

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060121.D
 Acq On : 3 Oct 2018 16:40
 Operator : VA/AP
 Sample : VD1003SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Manual Integrations
 APPROVED

apatel
 10/4/2018 4:45:02 PM

Quant Time: Oct 04 04:55:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1558864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2137673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1748751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	910091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	634763	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	6.30	113	878328	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
50) Toluene-d8	9.44	98	2424290	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.43	95	921922	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	284184	19.380	ug/l	99
3) Chloromethane	1.75	50	284196	21.493	ug/l	97
4) Vinyl Chloride	1.84	62	213438	19.724	ug/l	96
5) Bromomethane	2.12	94	18000	13.248	ug/l	93
6) Chloroethane	2.23	64	48558	16.444	ug/l	99
7) Trichlorofluoromethane	2.49	101	239925	18.517	ug/l	98
8) Diethyl Ether	2.81	74	54465	20.442	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.07	101	163569	20.264	ug/l	96
10) Methyl Iodide	3.22	142	137221	16.030	ug/l	96
11) Tert butyl alcohol	3.96	59	91274	107.703	ug/l	97
12) 1,1-Dichloroethene	3.05	96	129381	20.346	ug/l	98
13) Acrolein	2.97	56	53345	102.113	ug/l	97
14) Allyl chloride	3.51	41	271369	20.547	ug/l	98
15) Acrylonitrile	4.07	53	375802	107.135	ug/l	98
16) Acetone	3.15	43	262612	122.479	ug/l	98
17) Carbon Disulfide	3.29	76	428136	20.021	ug/l	100
18) Methyl Acetate	3.54	43	93101	20.202	ug/l	96
19) Methyl tert-butyl Ether	4.11	73	598623	21.411	ug/l	98
20) Methylene Chloride	3.70	84	511170	28.433	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	338816	20.630	ug/l	98
22) Diisopropyl ether	4.84	45	1259503	21.354	ug/l	96
23) Vinyl Acetate	4.79	43	3675507	110.862	ug/l	99
24) 1,1-Dichloroethane	4.73	63	560117	20.944	ug/l	99
25) 2-Butanone	5.61	43	646051	120.609	ug/l	99
26) 2,2-Dichloropropane	5.57	77	439154	21.661	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	368201	21.160	ug/l	95
28) Bromochloromethane	5.91	49	265224	20.409	ug/l	95
29) Tetrahydrofuran	5.94	42	340728	109.511	ug/l	100
30) Chloroform	6.09	83	579831	21.434	ug/l	99
31) Cyclohexane	6.35	56	524403	20.484	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	468122	21.122	ug/l	99
36) 1,1-Dichloropropene	6.51	75	434268	21.259	ug/l	98
37) Ethyl Acetate	5.68	43	287142	21.177	ug/l	99
38) Carbon Tetrachloride	6.48	117	386521	20.848	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	494135	21.290	ug/l	99
40) Benzene	6.78	78	1109814	20.767	ug/l	99
41) Methacrylonitrile	5.92	41	161570m	21.082	ug/l	
42) 1,2-Dichloroethane	6.88	62	325372	21.236	ug/l	97
43) Isopropyl Acetate	8.34	43	388128	21.758	ug/l	98
44) Trichloroethene	7.73	130	348278	21.053	ug/l	96
45) 1,2-Dichloropropane	8.09	63	294992	21.081	ug/l	98
46) Dibromomethane	8.20	93	193605	21.370	ug/l	97
47) Bromodichloromethane	8.48	83	409745	21.227	ug/l	99
48) Methyl methacrylate	8.23	41	223234	21.970	ug/l	98
49) 1,4-Dioxane	8.21	88	46224	462.355	ug/l	97
51) 4-Methyl-2-Pentanone	9.34	43	1255456	111.585	ug/l	98
52) Toluene	9.54	92	727552	21.139	ug/l	97
53) t-1,3-Dichloropropene	9.91	75	370332	21.203	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	456259	21.154	ug/l	97
55) 1,1,2-Trichloroethane	10.17	97	241753	21.486	ug/l	98
56) Ethyl methacrylate	10.02	69	277331	22.329	ug/l	98
57) 1,3-Dichloropropane	10.38	76	365404	21.294	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	794890	115.250	ug/l	98
59) 2-Hexanone	10.48	43	959231	118.564	ug/l	98
60) Dibromochloromethane	10.63	129	286232	20.734	ug/l	95
61) 1,2-Dibromoethane	10.75	107	252903	21.154	ug/l	99
64) Tetrachloroethene	10.24	164	317096	20.703	ug/l	99
65) Chlorobenzene	11.30	112	786052	20.778	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	273618	21.680	ug/l	99
67) Ethyl Benzene	11.42	91	1362658	22.231	ug/l	100
68) m/p-Xylenes	11.56	106	1006124	43.932	ug/l	96
69) o-Xylene	11.93	106	489773	21.621	ug/l	97
70) Styrene	11.95	104	816910	21.564	ug/l	98
71) Bromoform	12.11	173	208904	20.441	ug/l	96
73) Isopropylbenzene	12.27	105	1320658	21.996	ug/l	98
74) N-amyl acetate	12.13	43	484580	22.034	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	284439	21.700	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	281914	21.510	ug/l	100
77) Bromobenzene	12.53	156	376506	21.580	ug/l	95
78) n-propylbenzene	12.63	91	1639994	21.998	ug/l	99
79) 2-Chlorotoluene	12.70	91	897441	21.689	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1037847	22.334	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	79825	21.675	ug/l	97
82) 4-Chlorotoluene	12.81	91	1057846	22.603	ug/l	97
83) tert-Butylbenzene	13.05	119	1160522	21.763	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	1070753	21.863	ug/l	96
85) sec-Butylbenzene	13.21	105	1366030	21.666	ug/l	96
86) p-Isopropyltoluene	13.34	119	1110383	21.472	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	658003	21.646	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	654661	21.441	ug/l	97
89) n-Butylbenzene	13.65	91	1179774	23.380	ug/l	98
90) Hexachloroethane	13.85	117	247266	20.660	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	579702	22.681	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	38560	22.032	ug/l	82

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ClientSampleId :
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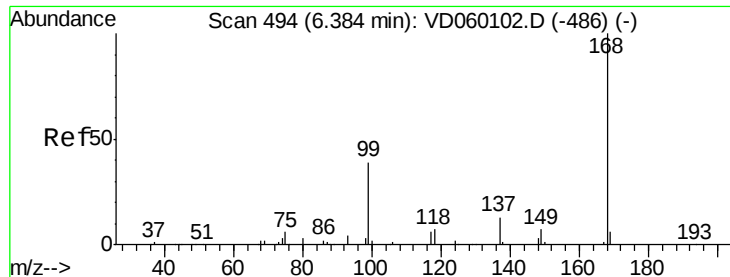
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	473066	21.806	ug/l	96
94) Hexachlorobutadiene	14.88	225	300393	20.831	ug/l	99
95) Naphthalene	14.96	128	669716	20.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	403764	21.395	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

Tot Ion:168 Resp: 1558864

Ion Ratio Lower Upper

168 100

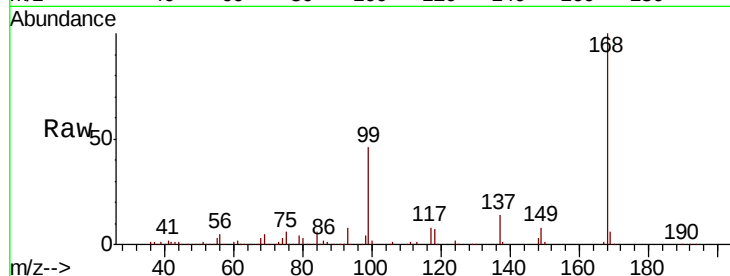
99 46.1 35.4 53.0

Manual Integrations

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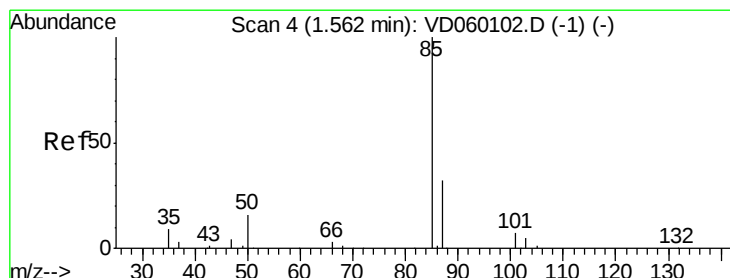
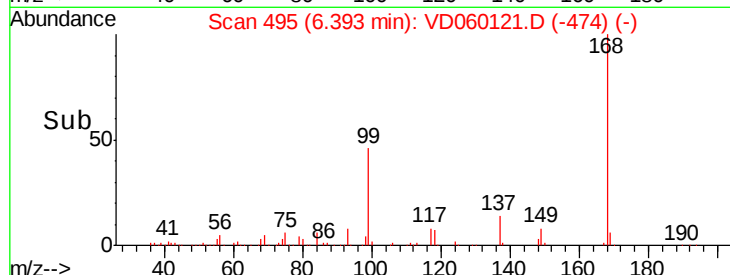
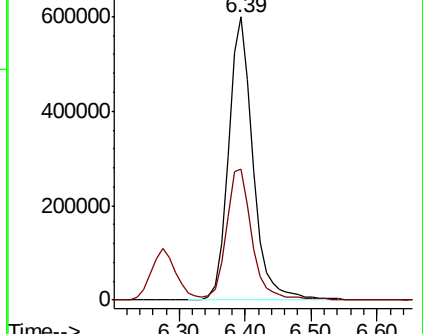
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.380 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060121.D

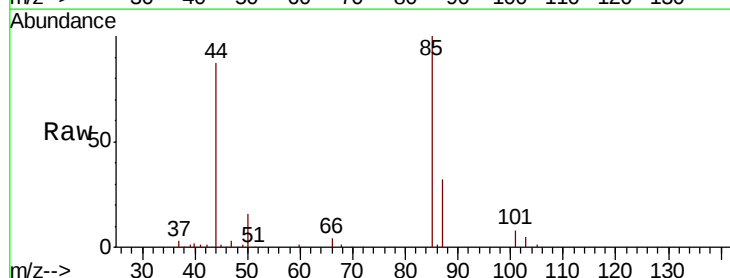
Acq: 3 Oct 2018 16:40

Tgt Ion: 85 Resp: 284184

Ion Ratio Lower Upper

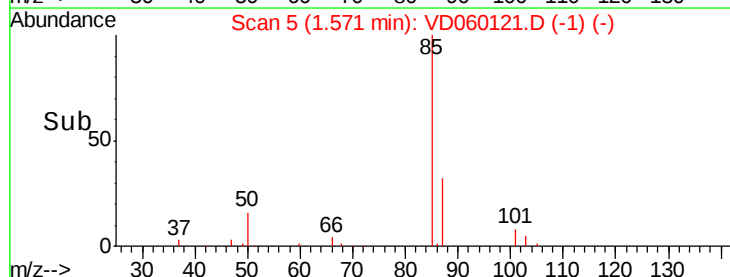
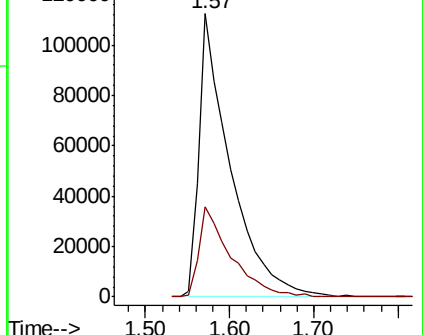
85 100

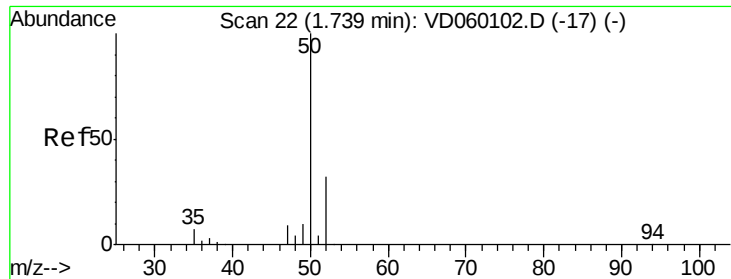
87 32.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.493 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 50 Resp: 284196

Ion Ratio Lower Upper

50 100

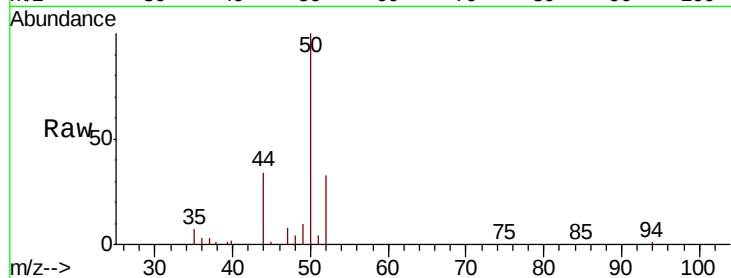
52 33.2 25.3 37.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

100000

80000

60000

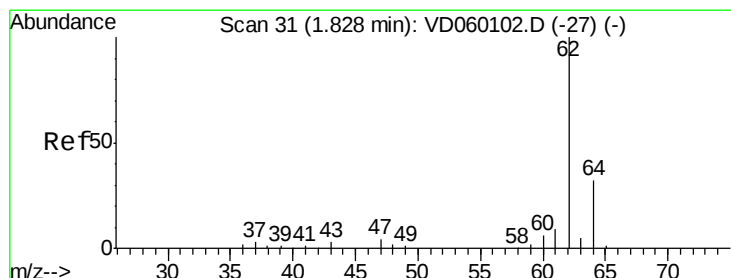
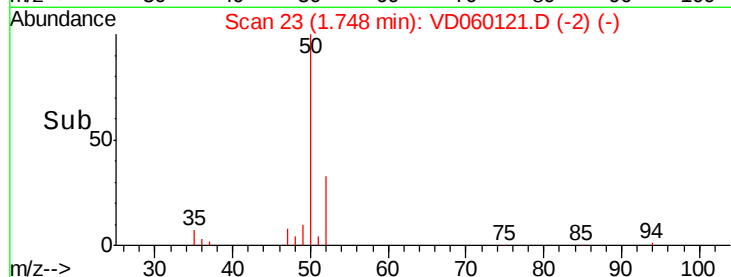
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 19.724 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060121.D

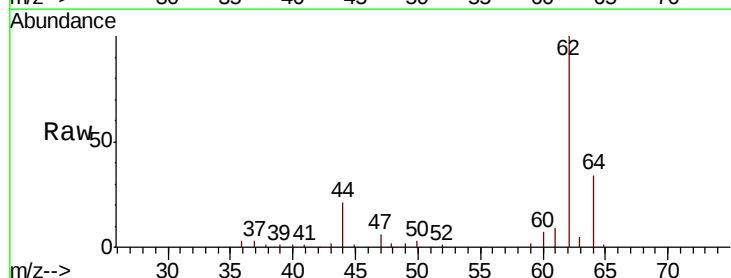
Acq: 3 Oct 2018 16:40

Tgt Ion: 62 Resp: 213438

Ion Ratio Lower Upper

62 100

64 33.7 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

100000

80000

60000

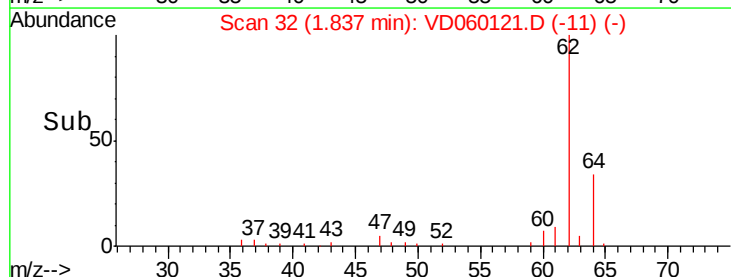
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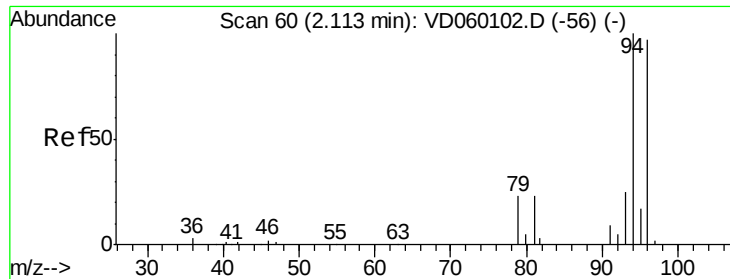
20000

0

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 13.248 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

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ClientSampleId :

VD1003SBSD01

Tot Ion: 94 Resp: 18000

Ion Ratio Lower Upper

94 100

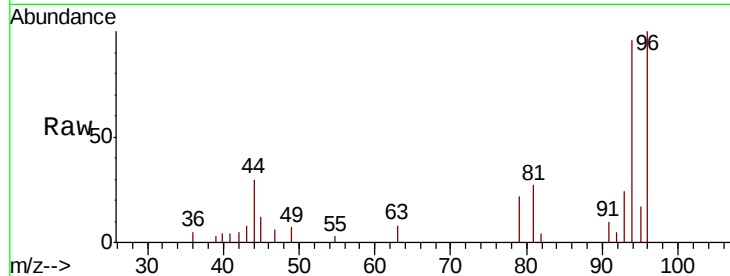
96 103.8 77.4 116.2

Manual Integrations

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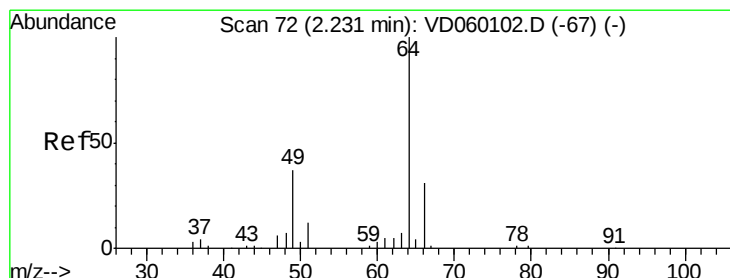
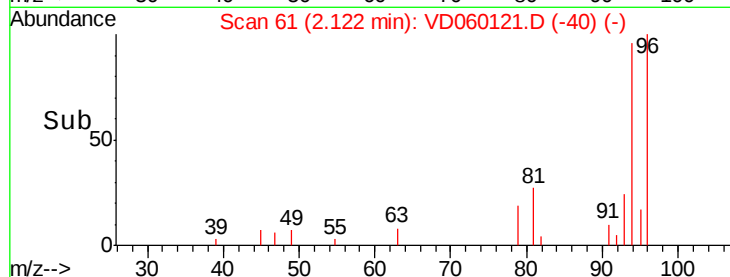
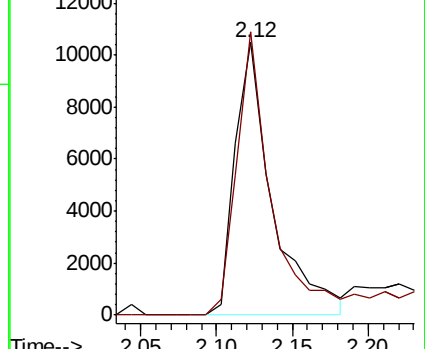
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.444 ug/l

RT: 2.23 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD060121.D

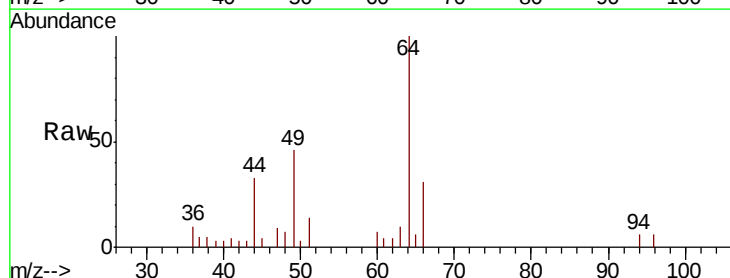
Acq: 3 Oct 2018 16:40

Tgt Ion: 64 Resp: 48558

Ion Ratio Lower Upper

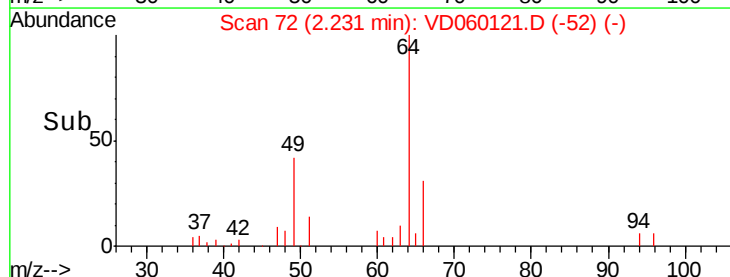
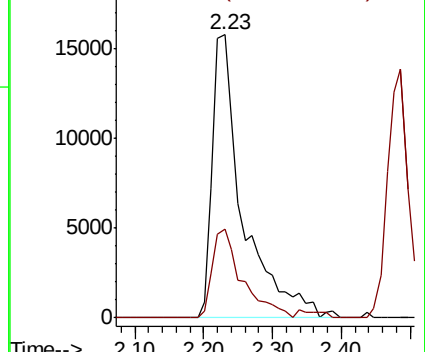
64 100

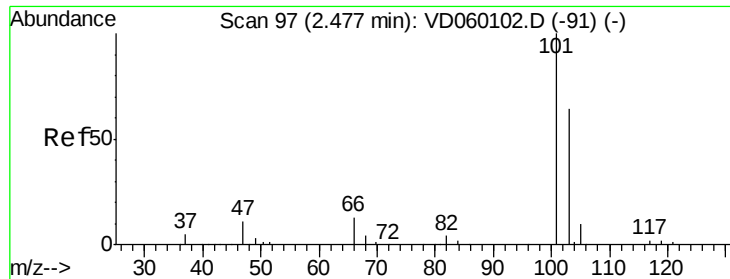
66 31.4 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 18.517 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

Lab File: VD060121.D

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ClientSampleId :

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Tot Ion:101 Resp: 239925

Ion Ratio Lower Upper

101 100

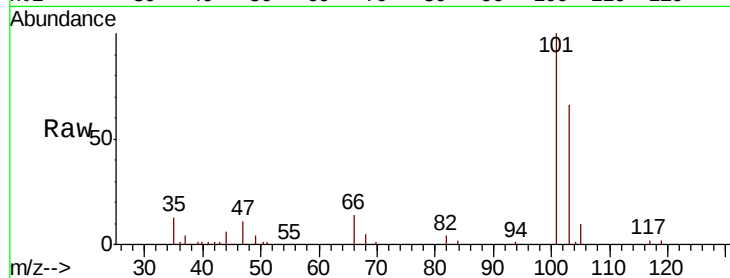
103 66.0 51.5 77.3

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.49

100000

80000

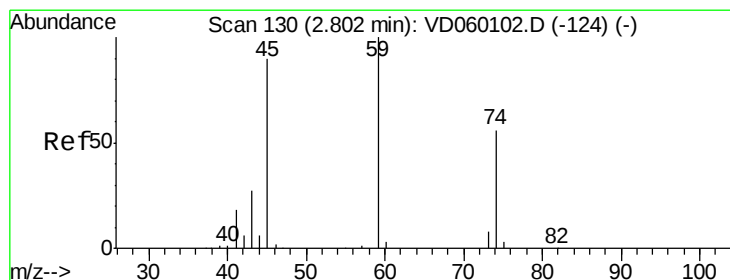
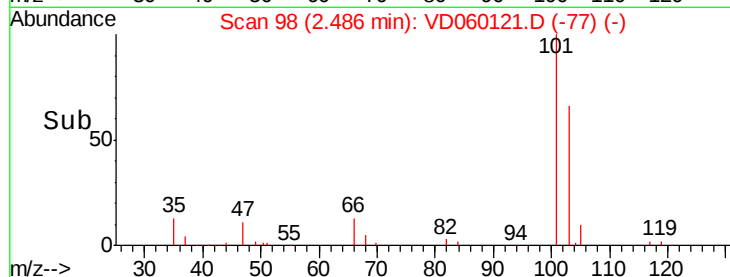
60000

40000

20000

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Time-->



#8

Diethyl Ether

Concen: 20.442 ug/l

RT: 2.81 min Scan# 131

Delta R.T. 0.01 min

Lab File: VD060121.D

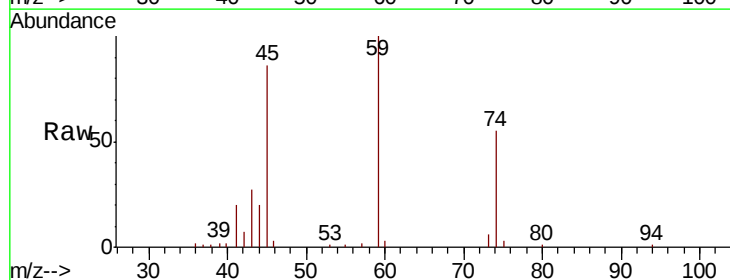
Acq: 3 Oct 2018 16:40

Tgt Ion: 74 Resp: 54465

Ion Ratio Lower Upper

74 100

45 155.9 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

40000

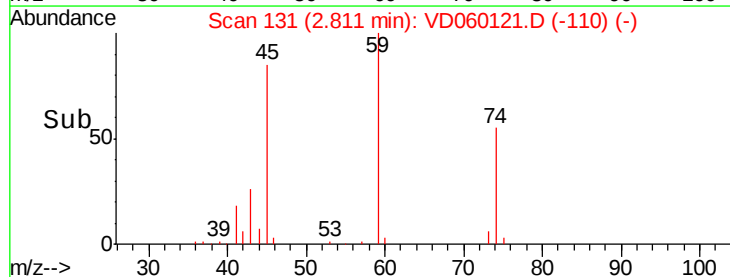
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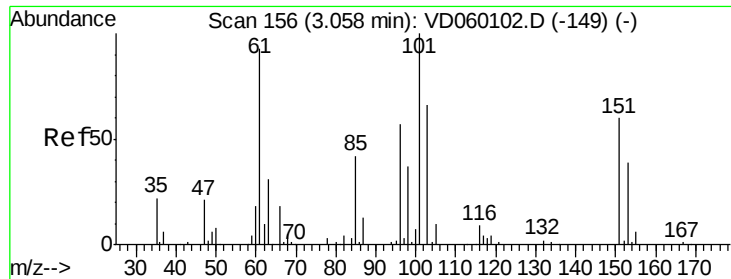
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.264 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

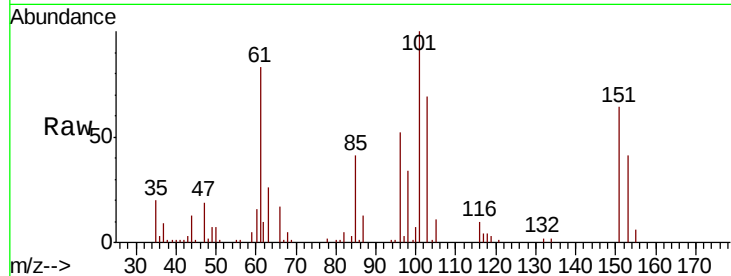
ClientSampleId :

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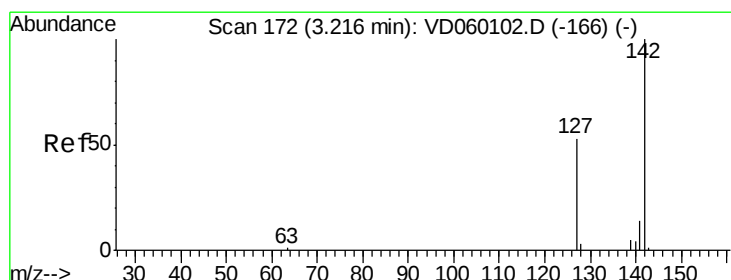
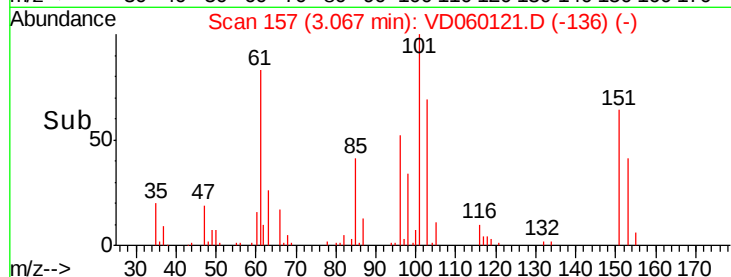
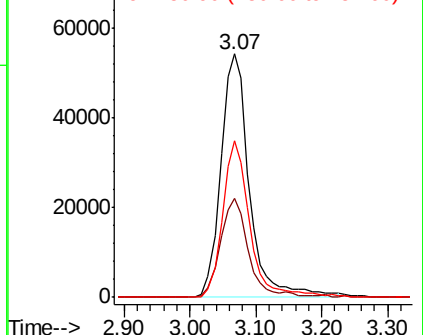
Tot Ion:	101	Resp:	163569
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.4	50.0
151	64.2	48.0	72.0

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.030 ug/l

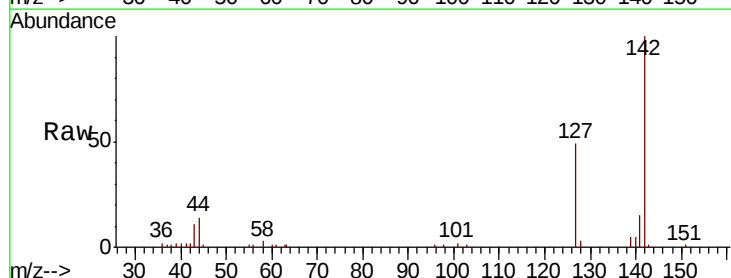
RT: 3.22 min Scan# 173

Delta R.T. 0.01 min

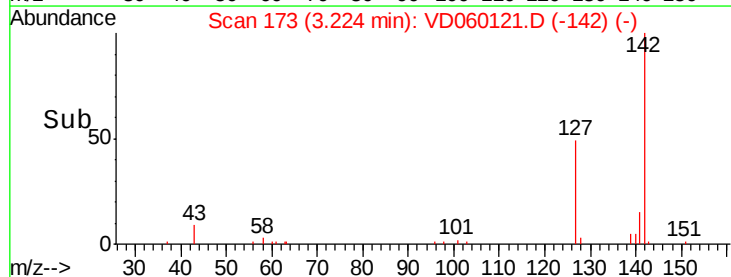
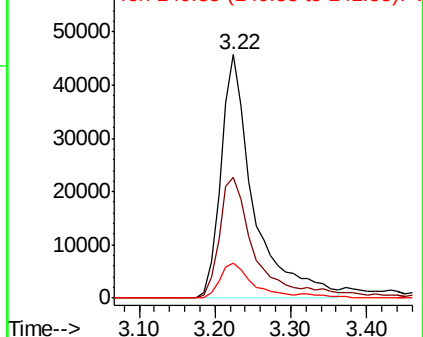
Lab File: VD060121.D

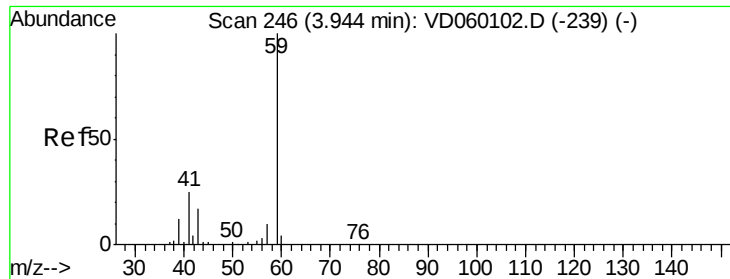
Acq: 3 Oct 2018 16:40

Tgt Ion:	142	Resp:	137221
Ion Ratio	Lower	Upper	
142	100		
127	49.5	42.0	63.0
141	14.5	11.4	17.0



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





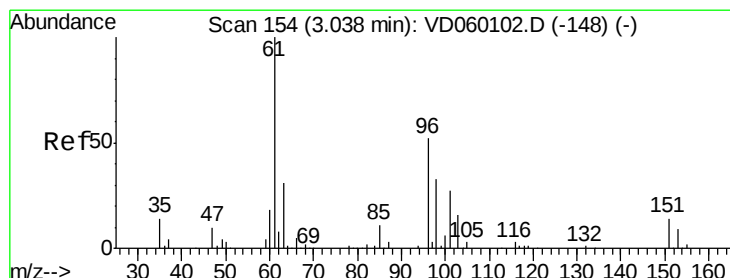
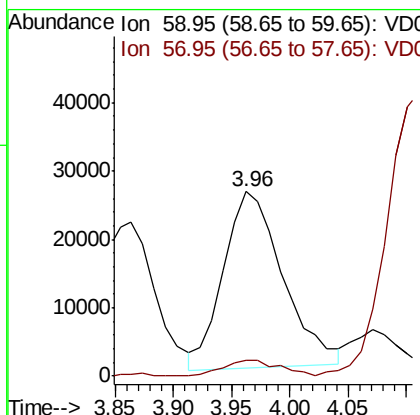
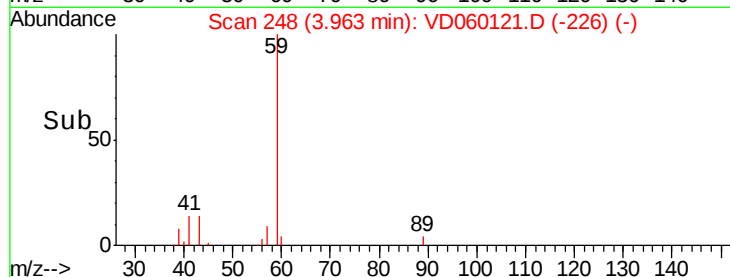
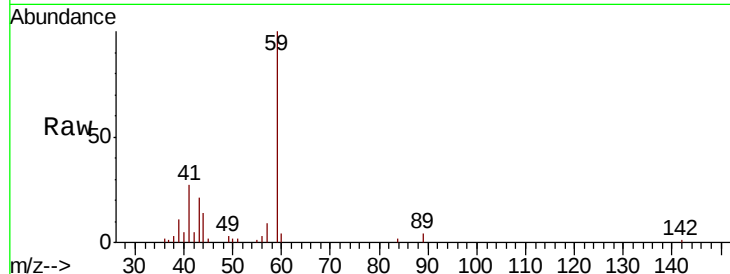
#11
Tert butyl alcohol
Concen: 107.703 ug/l
RT: 3.96 min Scan# 248
Delta R.T. 0.02 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion: 59 Resp: 91274
Ion Ratio Lower Upper
59 100
57 8.6 7.8 11.6

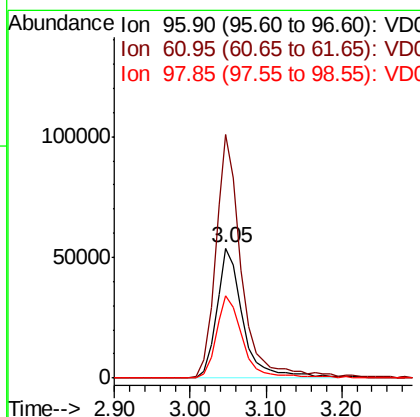
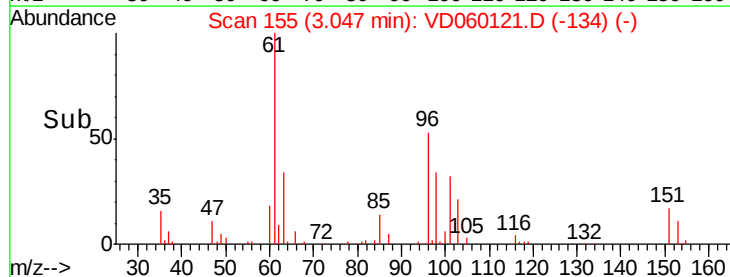
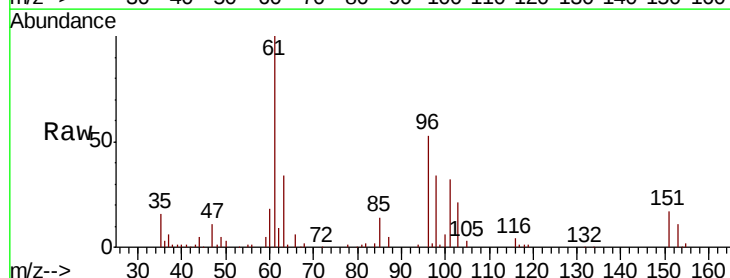
Manual Integrations
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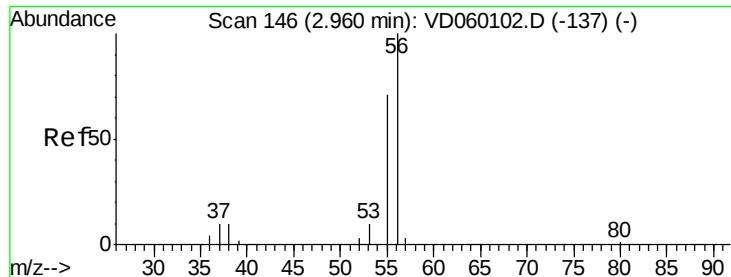
apatel
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#12
1,1-Dichloroethene
Concen: 20.346 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 96 Resp: 129381
Ion Ratio Lower Upper
96 100
61 186.9 153.0 229.4
98 63.3 51.1 76.7





#13

Acrolein

Concen: 102.113 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 56 Resp: 53345

Ion Ratio Lower Upper

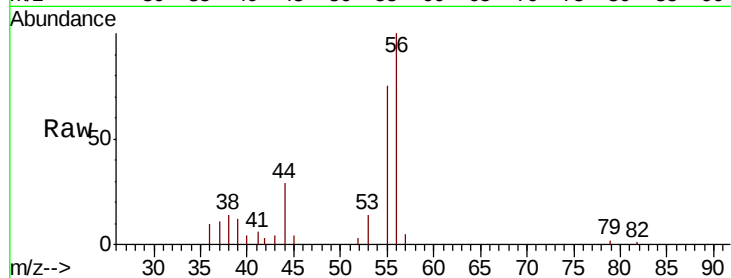
56 100

55 74.6 57.4 86.2

Manual Integrations
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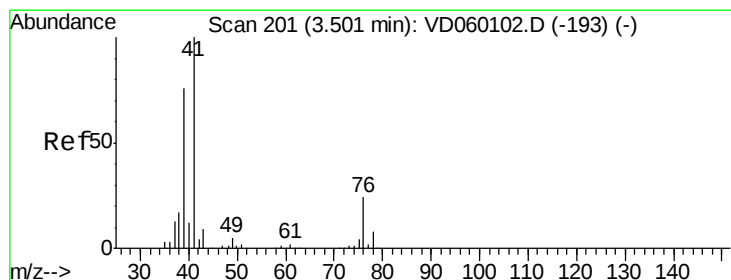
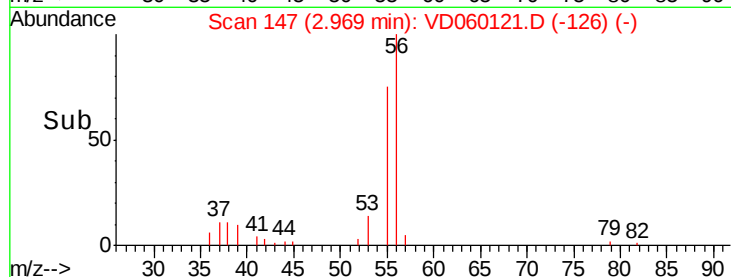
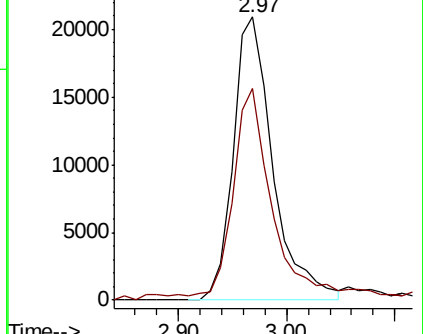
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.547 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

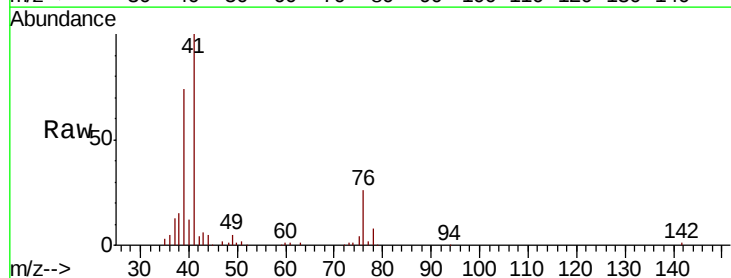
Tgt Ion: 41 Resp: 271369

Ion Ratio Lower Upper

41 100

39 73.5 60.6 90.8

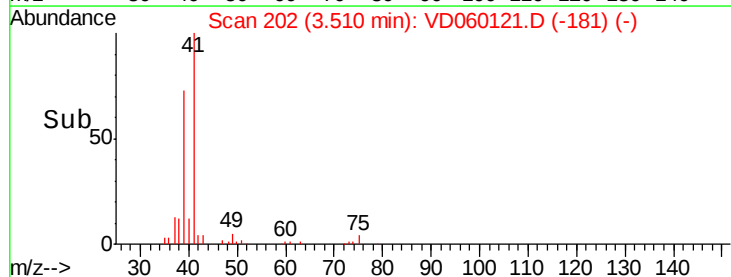
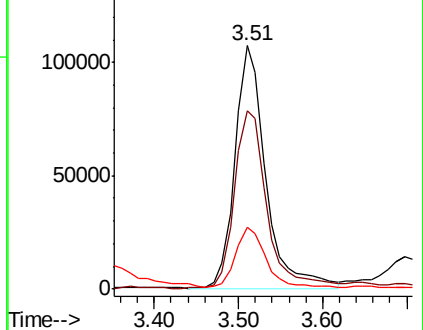
76 25.7 21.3 31.9

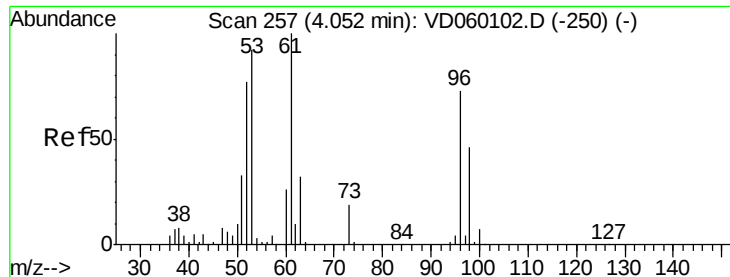


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 107.135 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

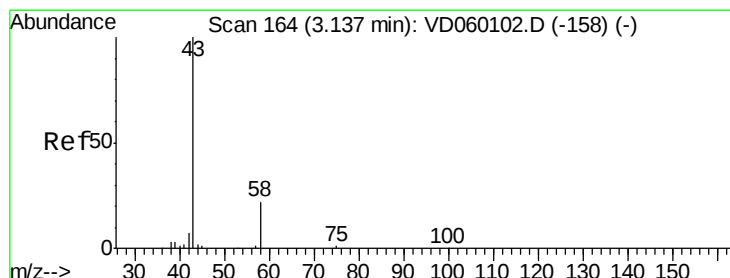
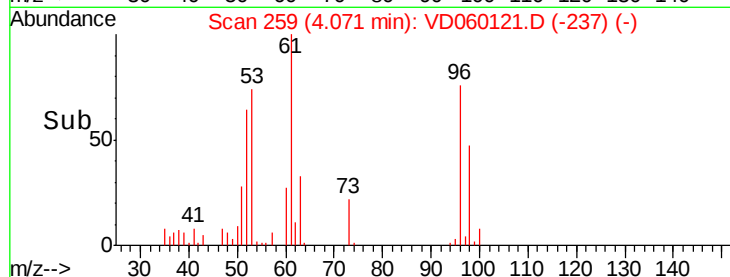
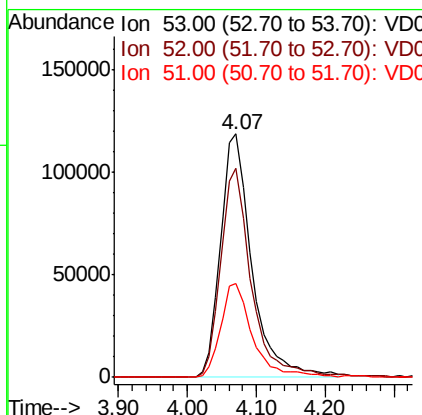
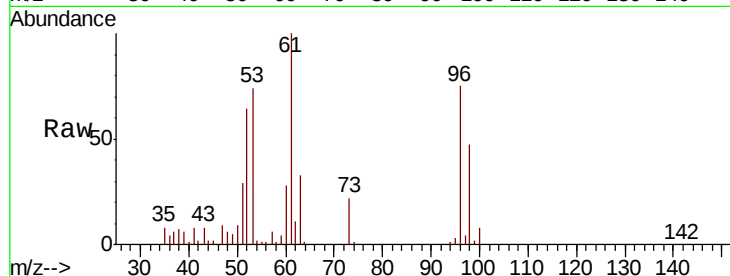
ClientSampleId :

VD1003SBS01

Tot Ion:	53	Resp:	375802
Ion Ratio	Lower	Upper	
53	100		
52	85.6	67.5	101.3
51	38.5	29.3	43.9

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#16

Acetone

Concen: 122.479 ug/l

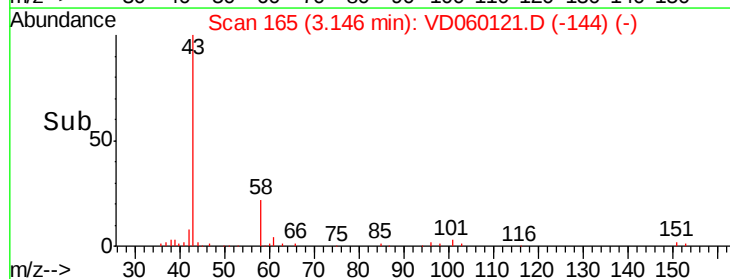
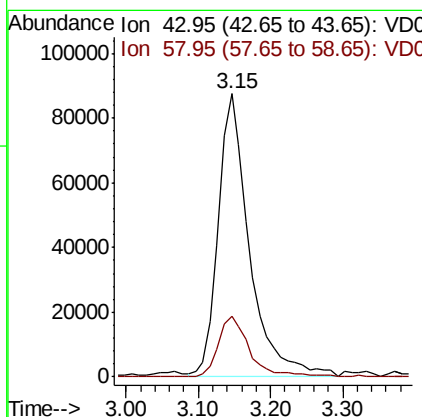
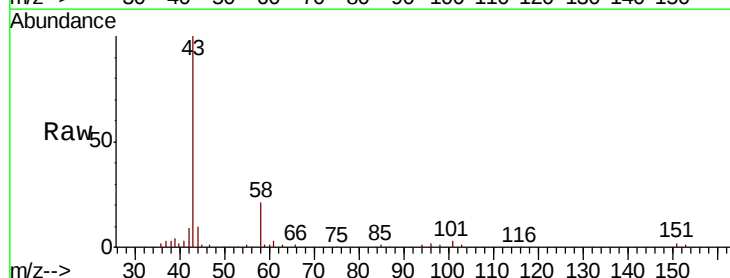
RT: 3.15 min Scan# 165

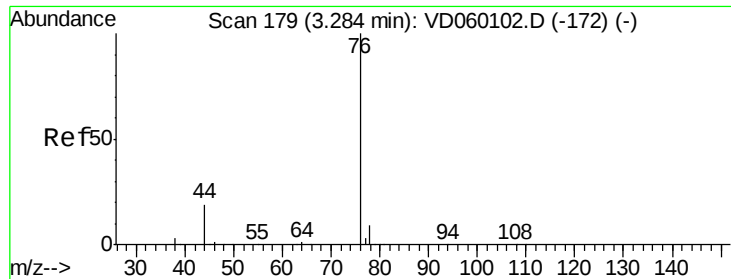
Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Tgt Ion:	43	Resp:	262612
Ion Ratio	Lower	Upper	
43	100		
58	21.3	17.7	26.5





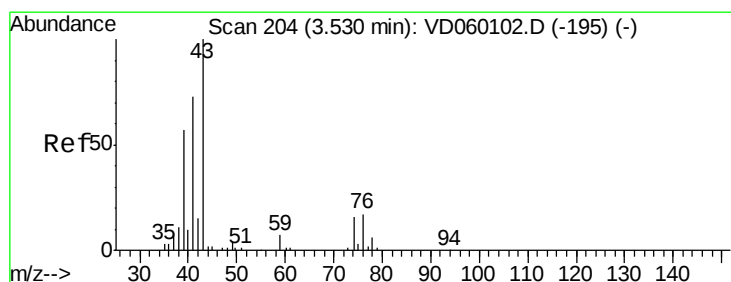
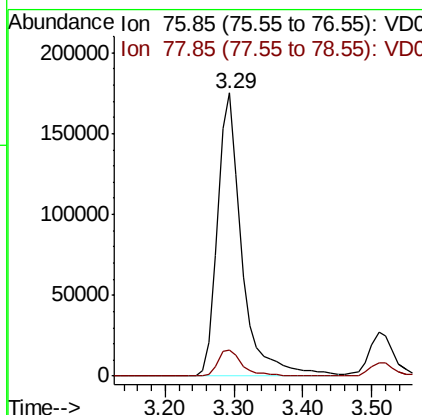
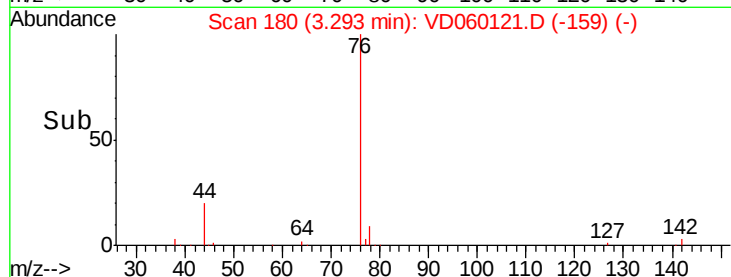
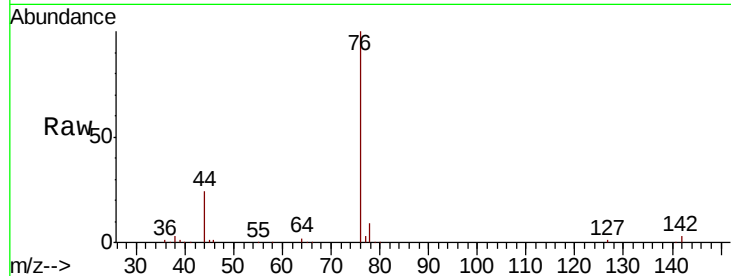
#17
Carbon Disulfide
Concen: 20.021 ug/l
RT: 3.29 min Scan# 180
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

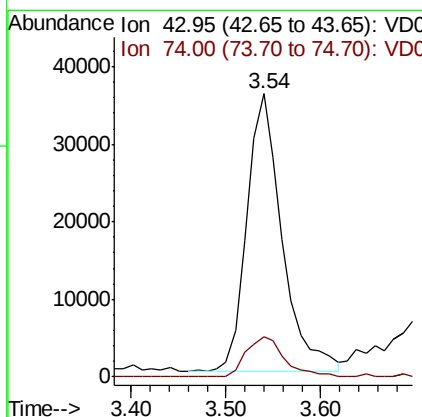
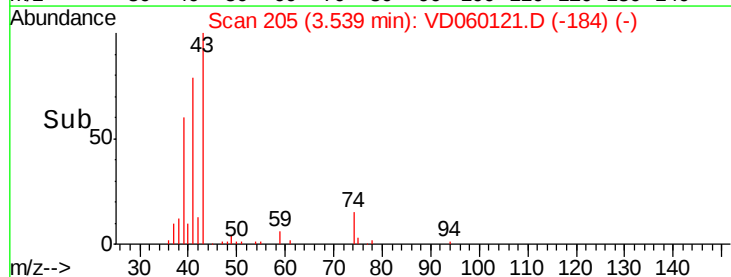
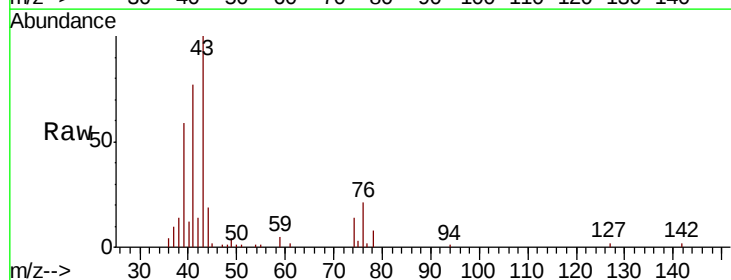
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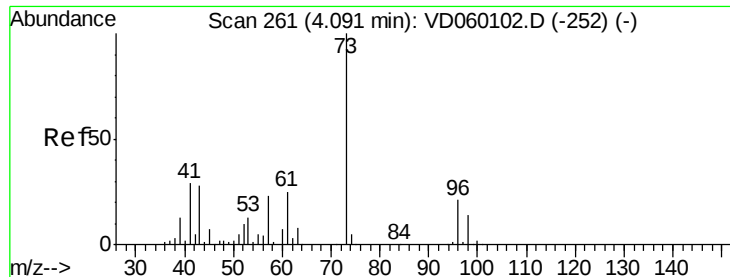
apatel
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#18
Methyl Acetate
Concen: 20.202 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.1	12.6	19.0





#19

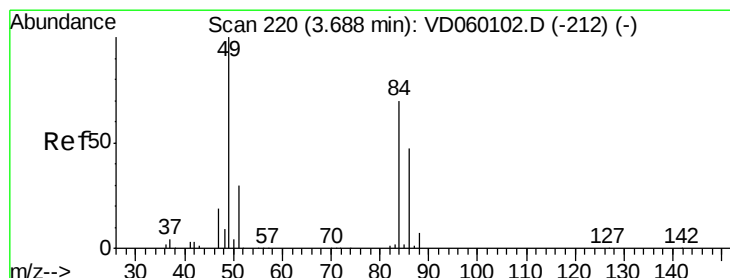
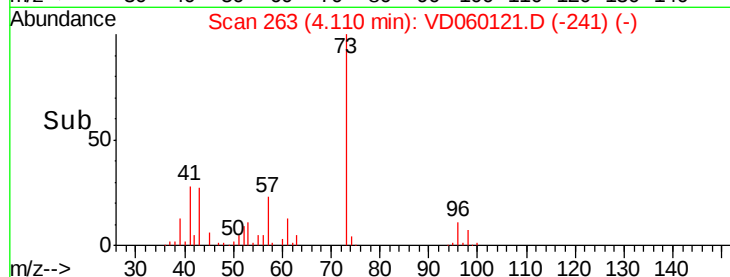
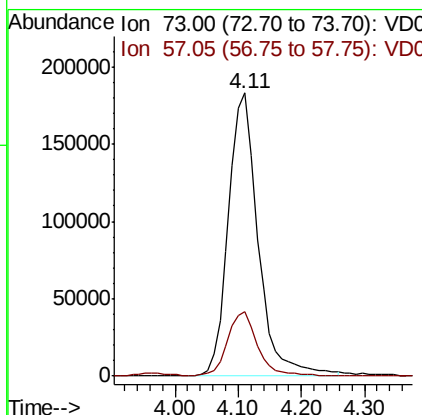
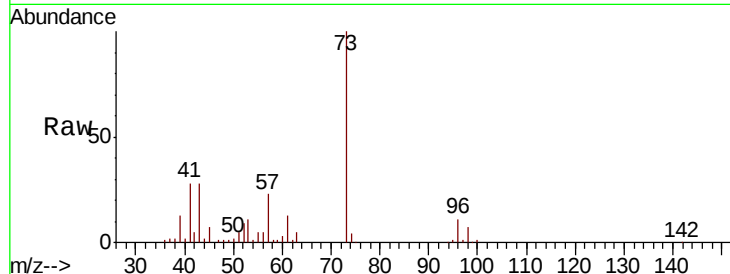
Methyl tert-butyl Ether
 Concen: 21.411 ug/l
 RT: 4.11 min Scan# 263
 Delta R.T. 0.02 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion: 73 Resp: 598623
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.7 28.1

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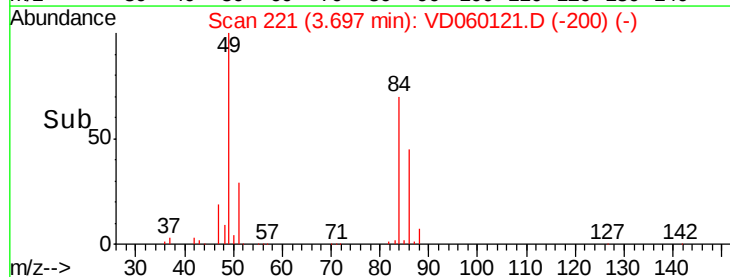
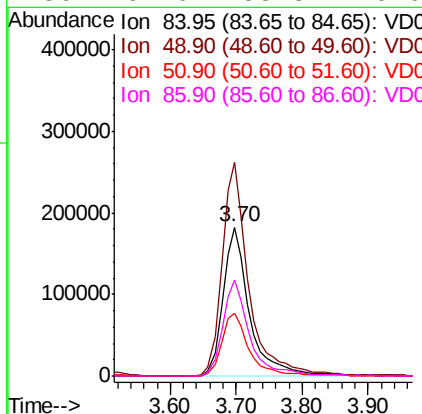
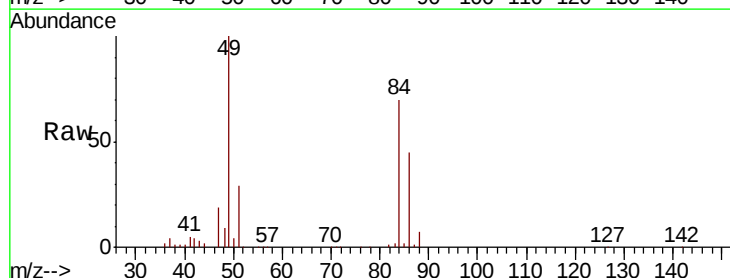
apatel
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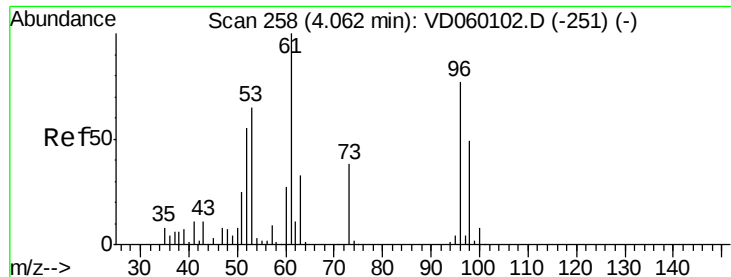


#20

Methylene Chloride
 Concen: 28.433 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion: 84 Resp: 511170
 Ion Ratio Lower Upper
 84 100
 49 143.3 114.6 172.0
 51 42.0 33.8 50.8
 86 64.6 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 20.630 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 96 Resp: 338816

Ion Ratio Lower Upper

96 100

61 132.9 103.3 154.9

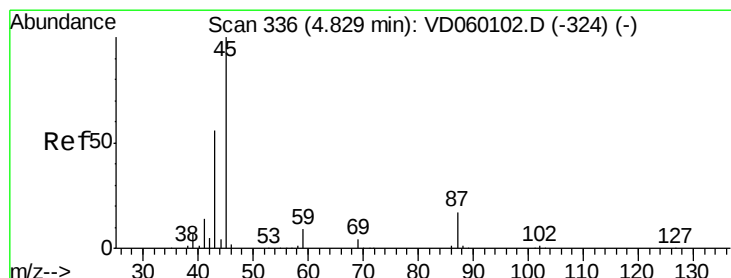
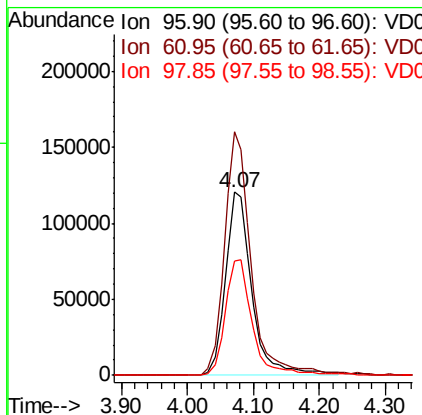
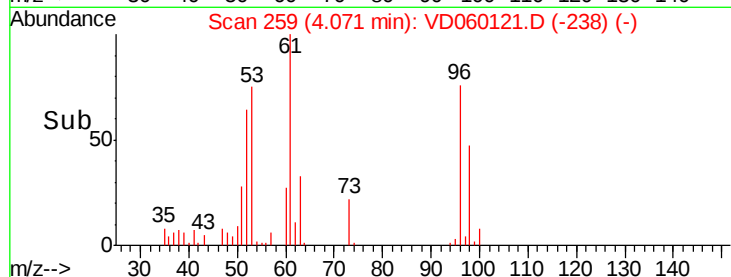
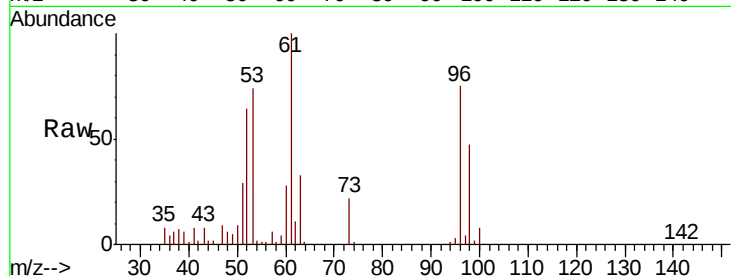
98 62.5 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.354 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Tgt Ion: 45 Resp: 1259503

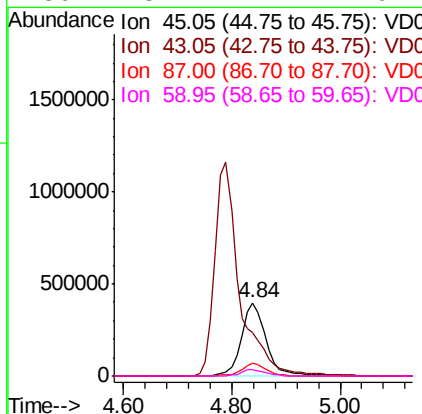
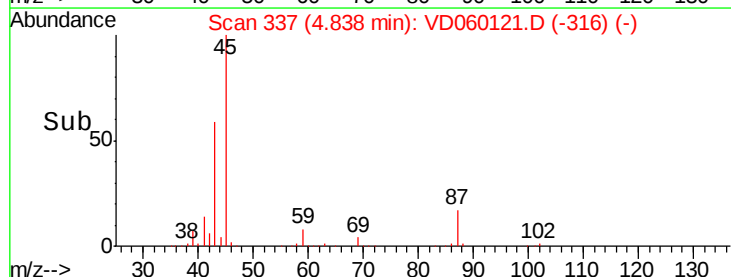
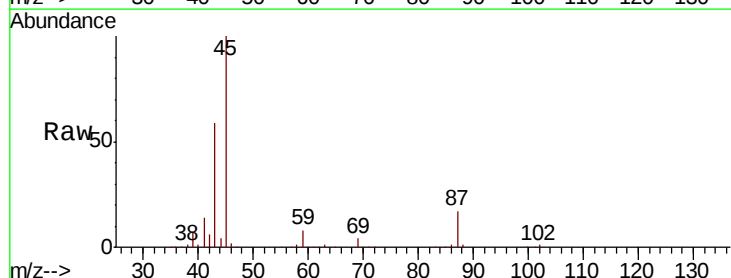
Ion Ratio Lower Upper

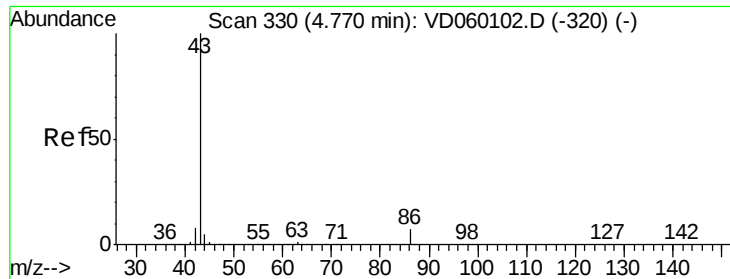
45 100

43 59.5 44.8 67.2

87 16.7 13.9 20.9

59 8.4 7.1 10.7





#23

Vinyl Acetate

Concen: 110.862 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 43 Resp: 3675507

Ion Ratio Lower Upper

43 100

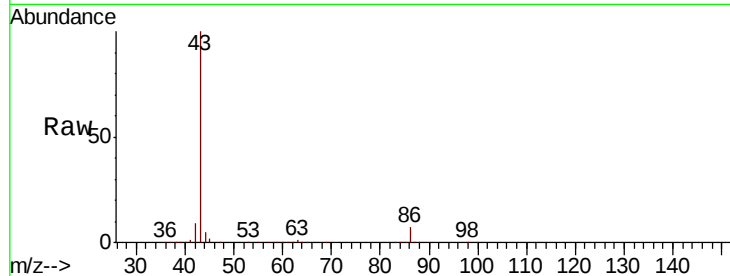
86 6.7 5.6 8.4

Manual Integrations

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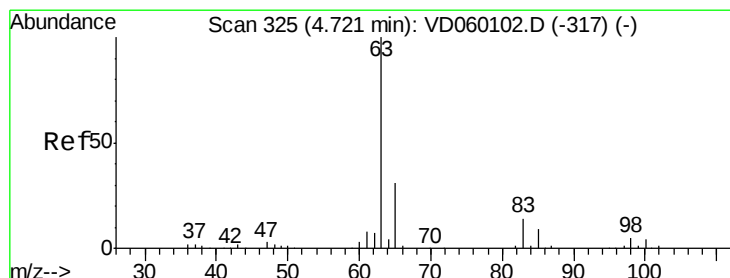
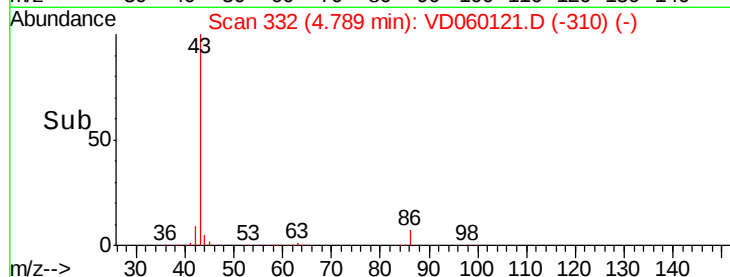
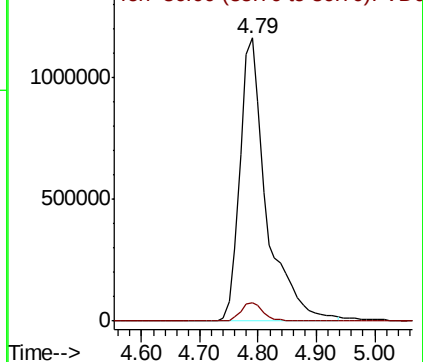
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.944 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

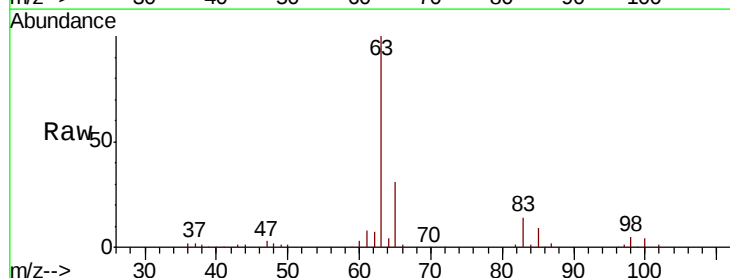
Tgt Ion: 63 Resp: 560117

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

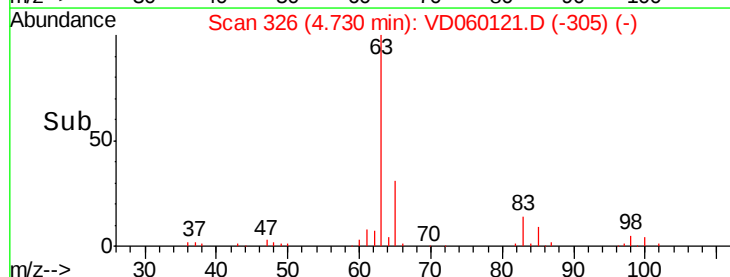
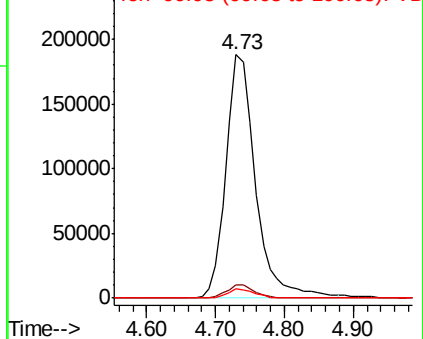
100 3.8 1.8 5.3

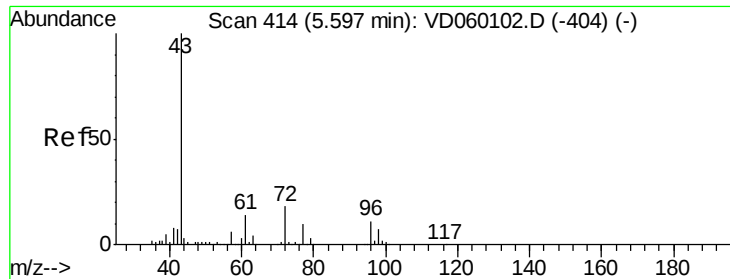


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 120.609 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleID :

VD1003SBS01

Tot Ion: 43 Resp: 646051

Ion Ratio Lower Upper

43 100

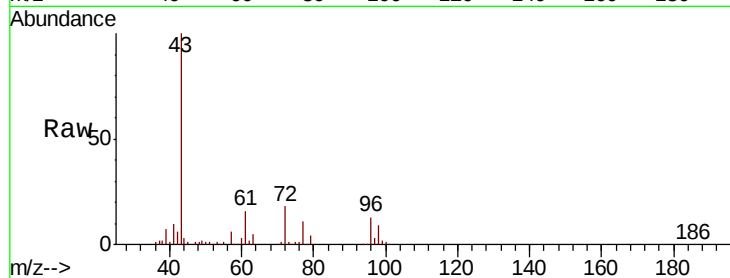
72 17.6 14.5 21.7

Manual Integrations

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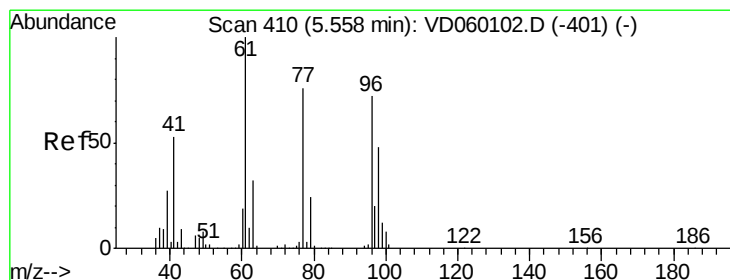
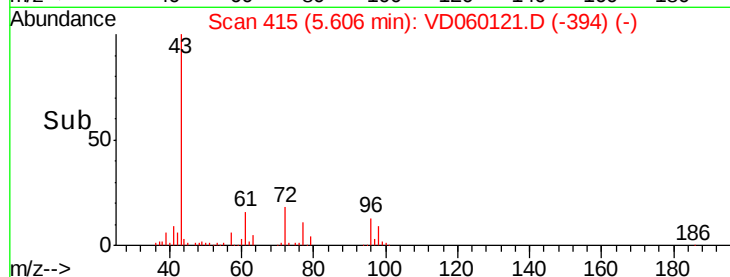
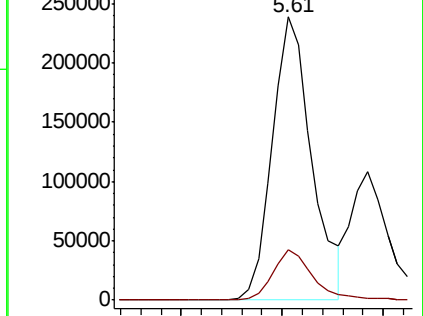
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.661 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060121.D

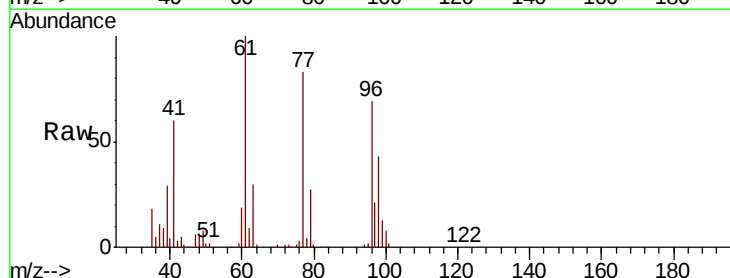
Acq: 3 Oct 2018 16:40

Tgt Ion: 77 Resp: 439154

Ion Ratio Lower Upper

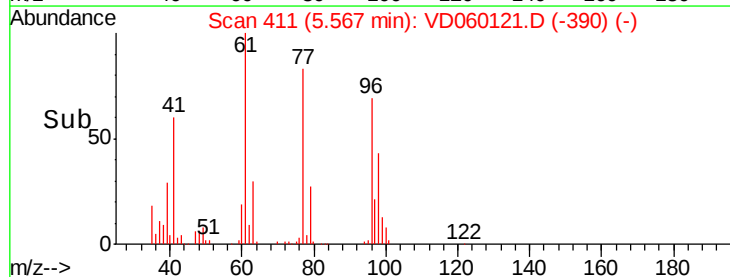
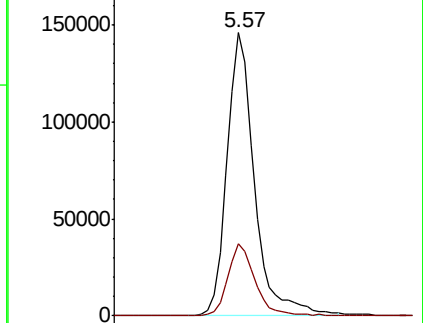
77 100

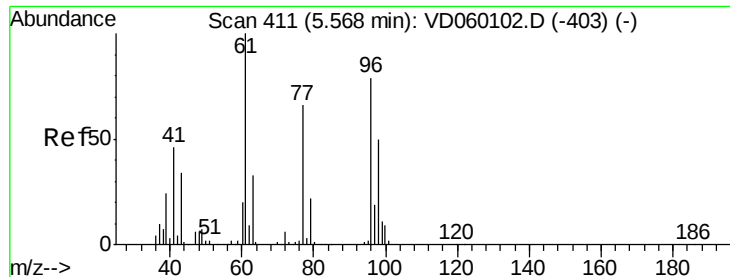
97 25.4 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

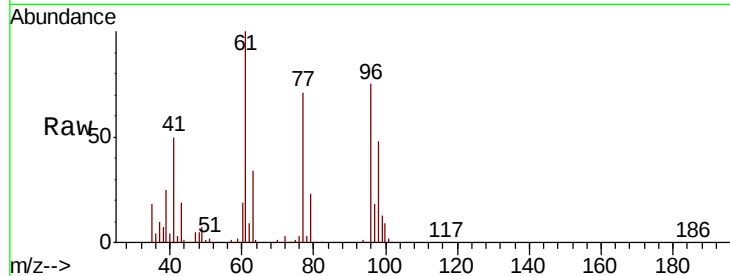
cis-1,2-Dichloroethene
Concen: 21.160 ug/l
RT: 5.58 min Scan# 412
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

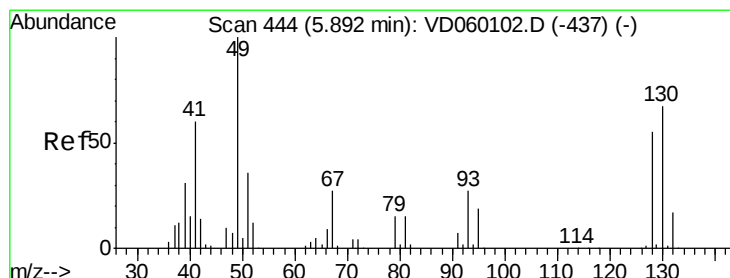
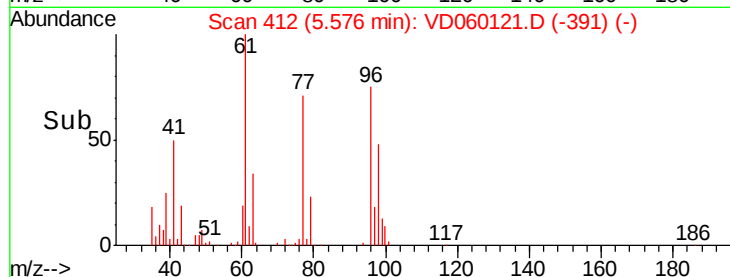
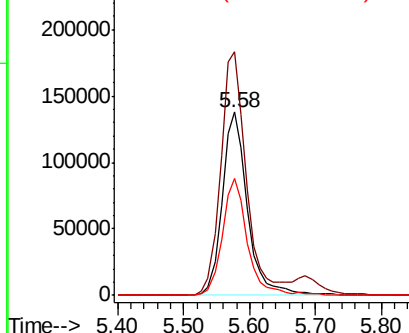
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.9	0.0	251.8	
98	63.7	0.0	125.2	

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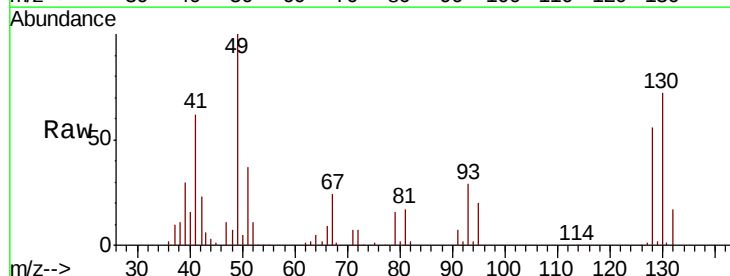
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



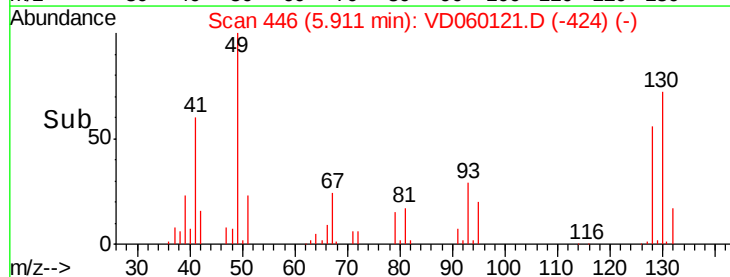
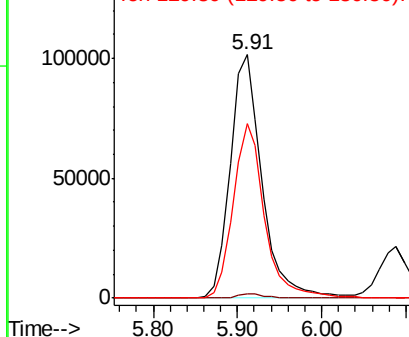
#28

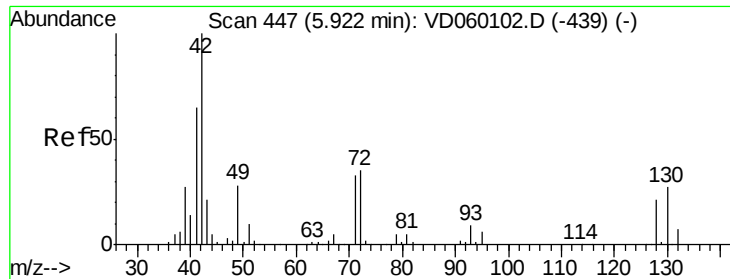
Bromochloromethane
Concen: 20.409 ug/l
RT: 5.91 min Scan# 446
Delta R.T. 0.02 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	71.6	53.9	80.9	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





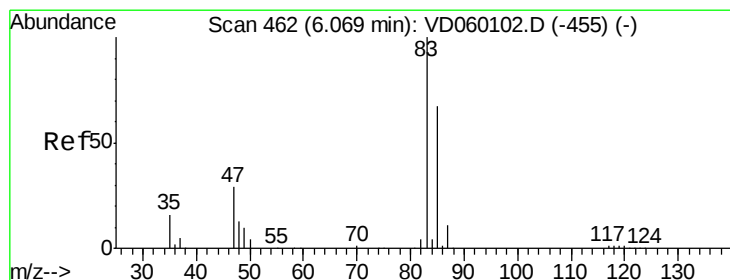
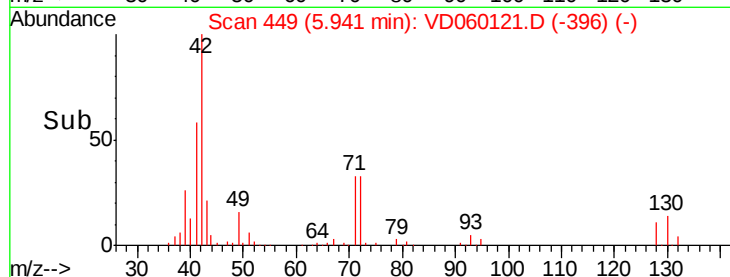
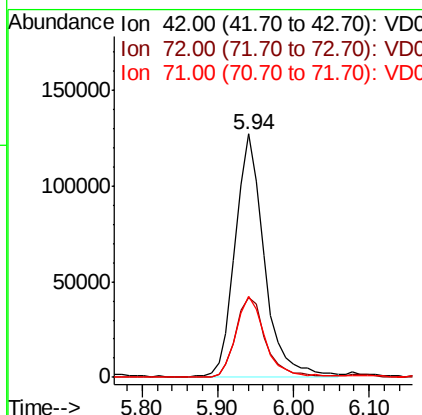
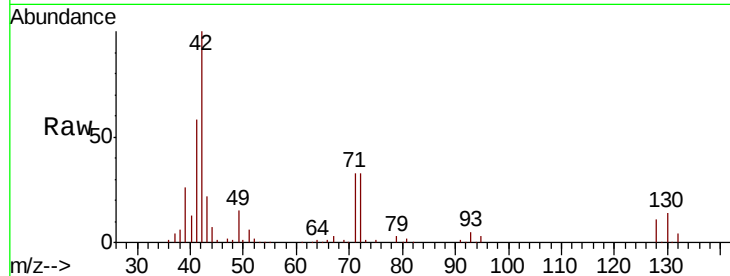
#29
Tetrahydrofuran
Concen: 109.511 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.6	26.9	40.3
71	32.9	26.7	40.1

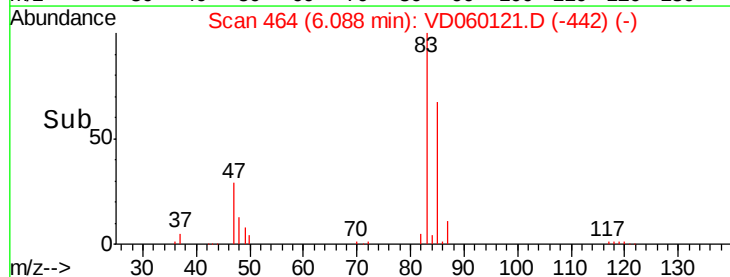
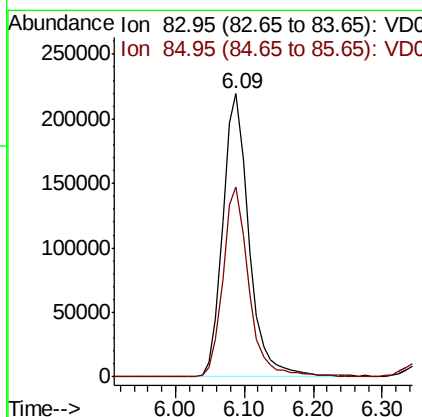
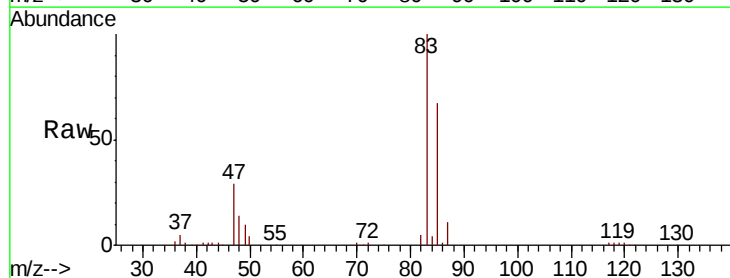
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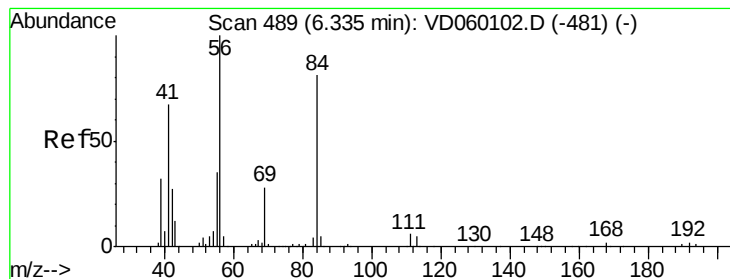
apatel
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#30
Chloroform
Concen: 21.434 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	53.8	80.8





#31

Cyclohexane

Concen: 20.484 ug/l

RT: 6.35 min Scan# 491

Delta R.T. 0.02 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

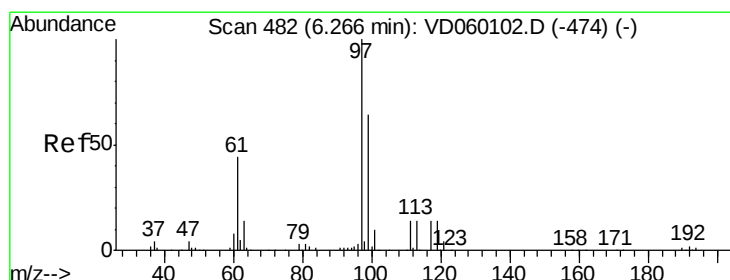
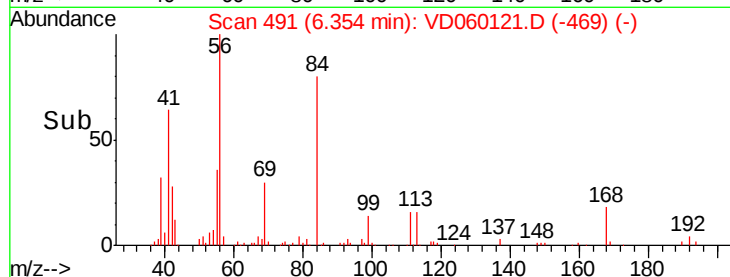
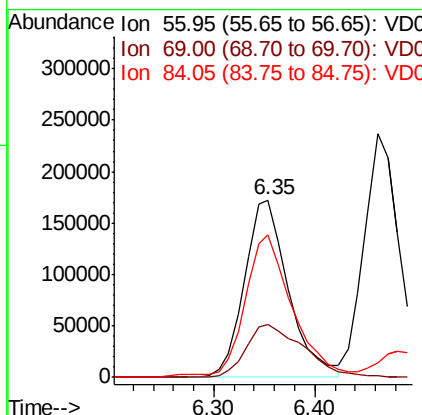
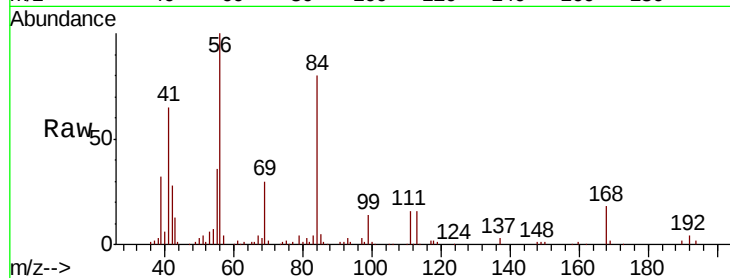
ClientSampleId :

VD1003SBS01

Tot Ion:	56	Resp:	524403
Ion	Ratio	Lower	Upper
56	100		
69	29.9	22.8	34.2
84	80.3	64.9	97.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.122 ug/l

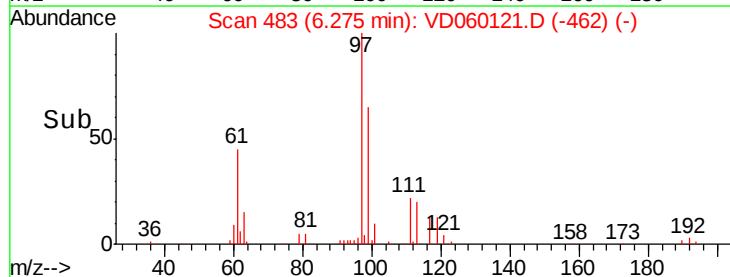
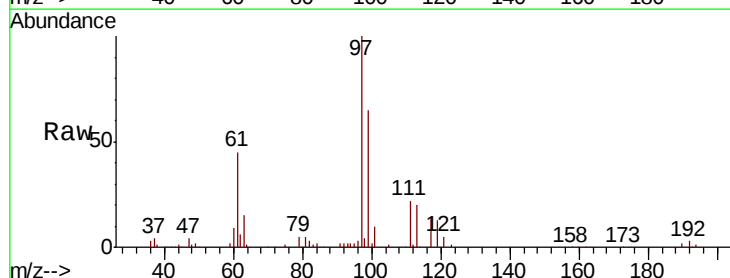
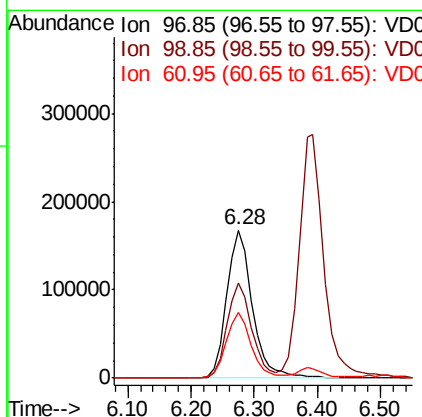
RT: 6.28 min Scan# 483

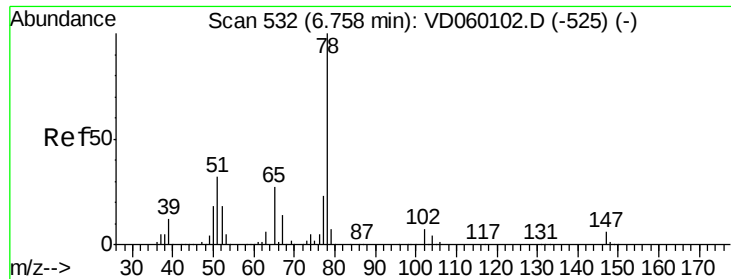
Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Tgt Ion:	97	Resp:	468122
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	44.8	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 21.122 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Tot Ion: 65 Resp: 634763

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.2

Instrument :

MSVOA_D

ClientSampleId :

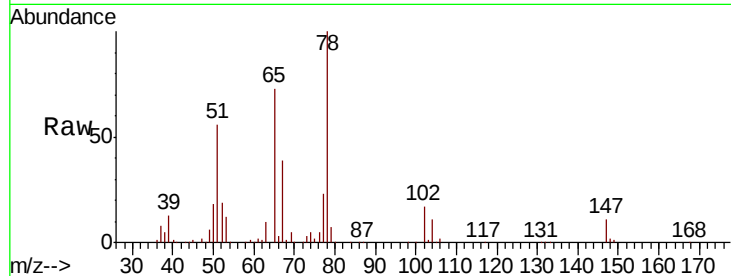
VD1003SBS01

Manual Integrations

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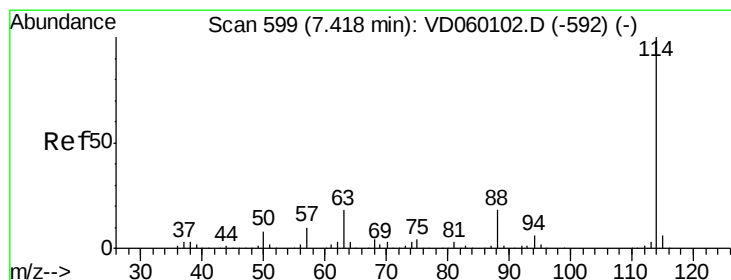
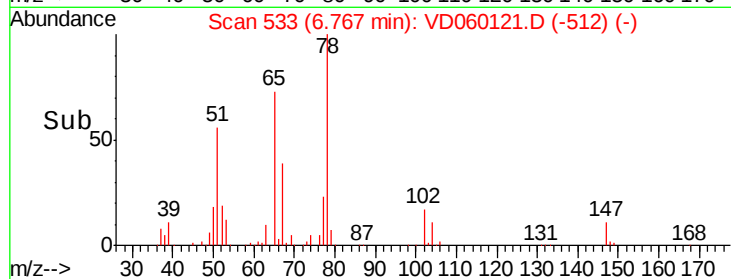
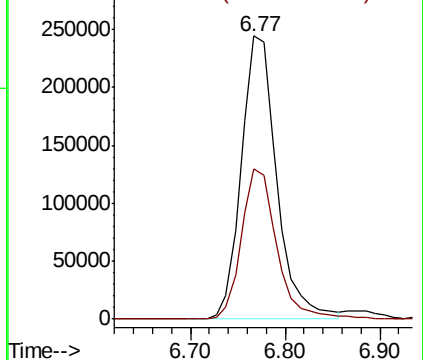
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

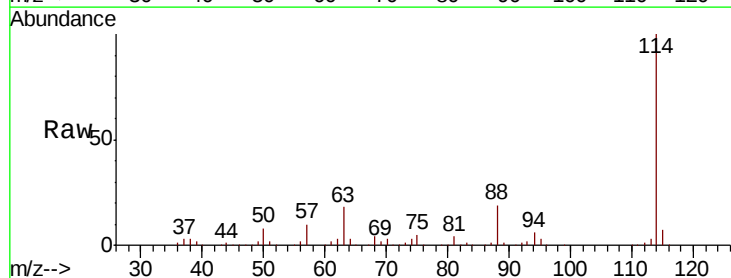
Tgt Ion:114 Resp: 2137673

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.0

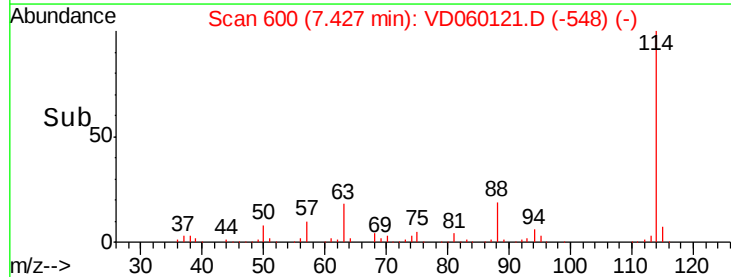
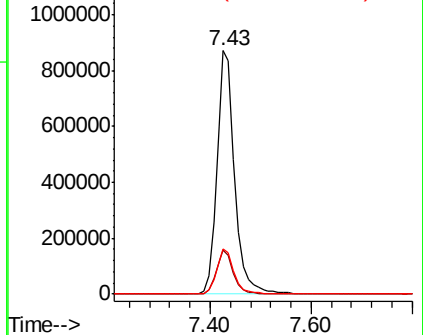
88 18.7 0.0 36.2

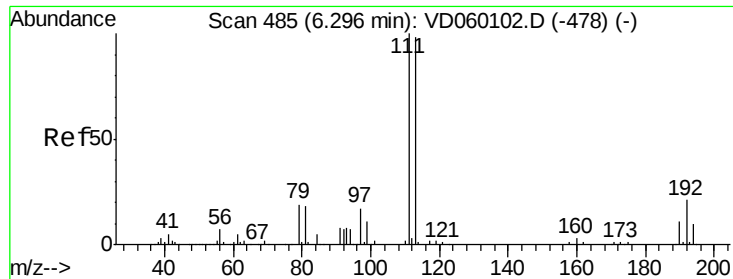


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





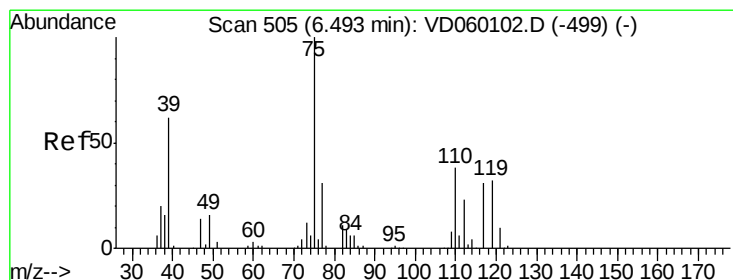
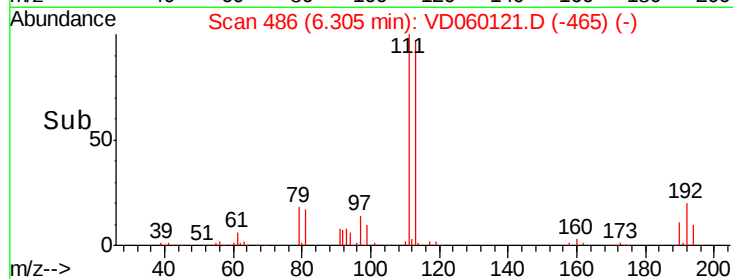
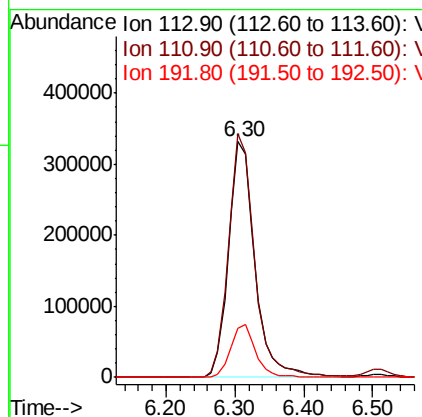
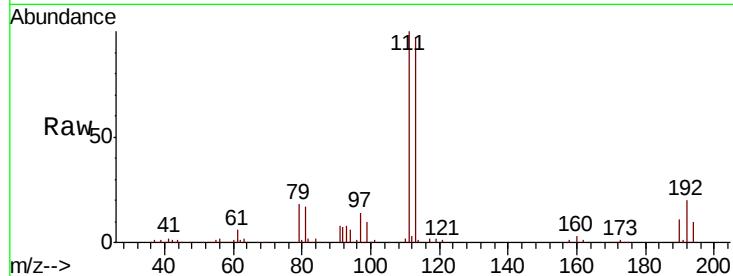
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	81.5	122.3	
192	21.0	17.4	26.0	

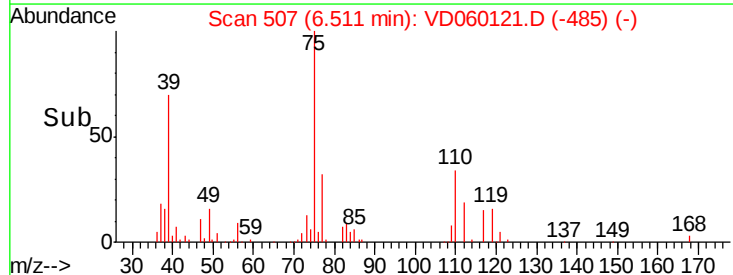
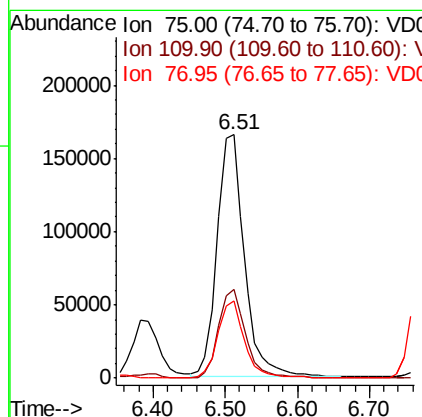
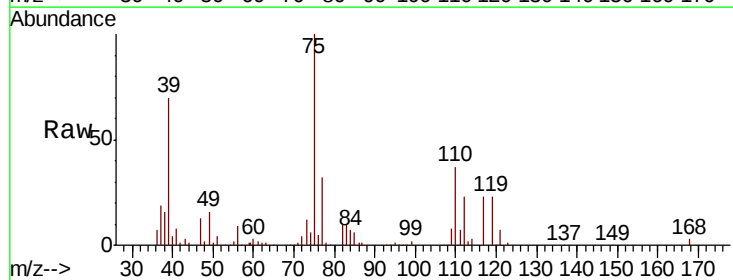
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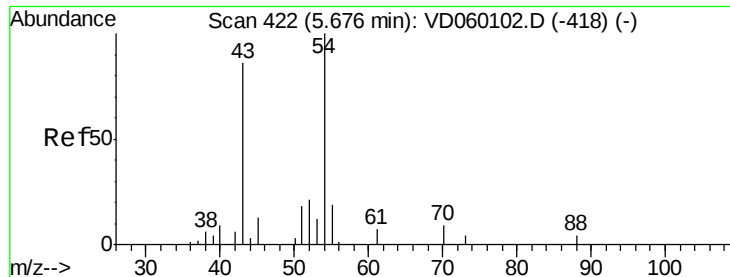
apatel
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#36
 1,1-Dichloropropene
 Concen: 21.259 ug/l
 RT: 6.51 min Scan# 507
 Delta R.T. 0.02 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	19.0	57.0	
77	31.7	24.9	37.3	





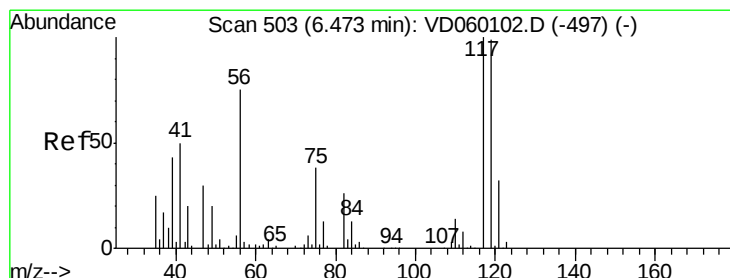
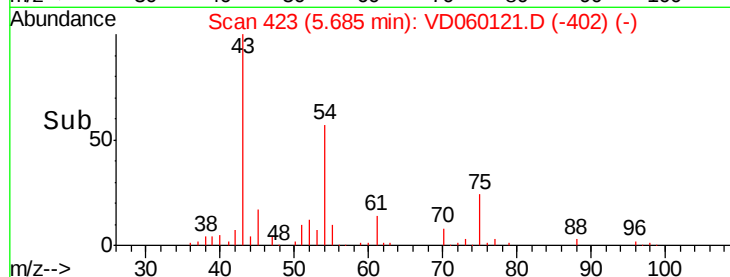
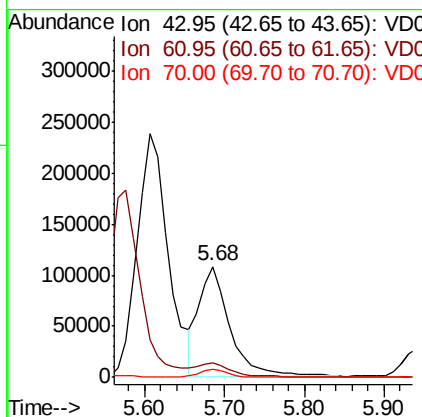
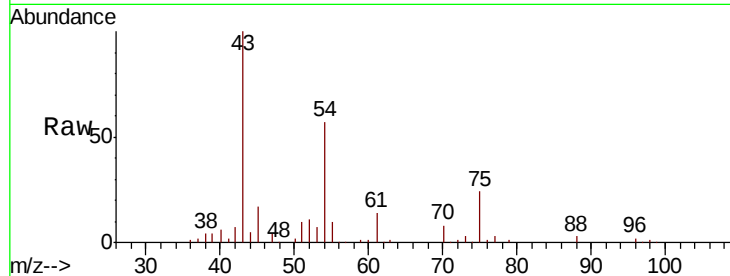
#37
Ethyl Acetate
Concen: 21.177 ug/l
RT: 5.68 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	7.8	6.3	9.5

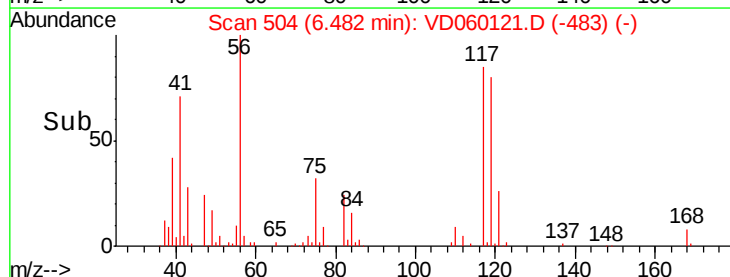
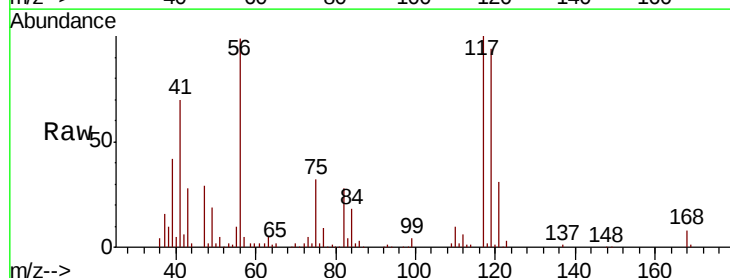
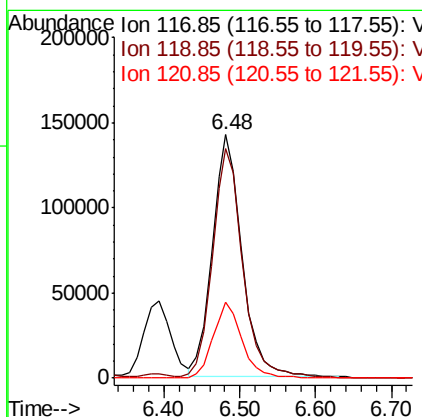
Manual Integrations
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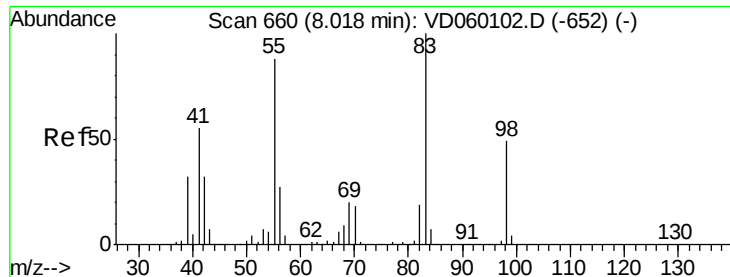
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#38
Carbon Tetrachloride
Concen: 20.848 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.8	116.6
121	31.0	24.8	37.2





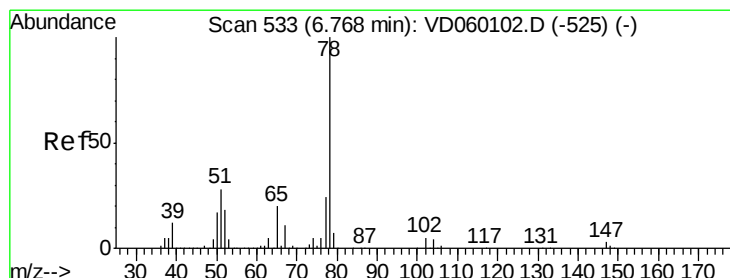
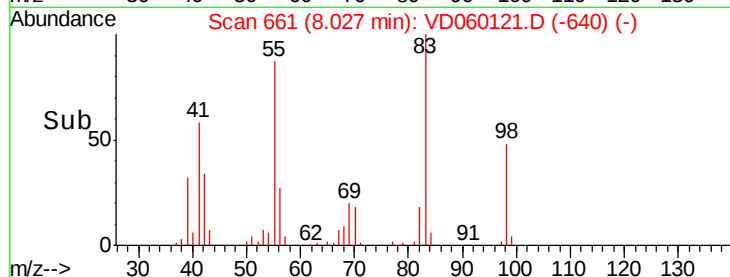
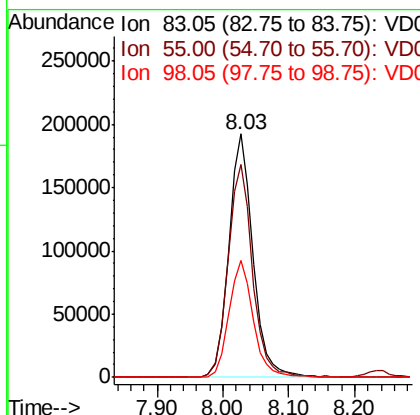
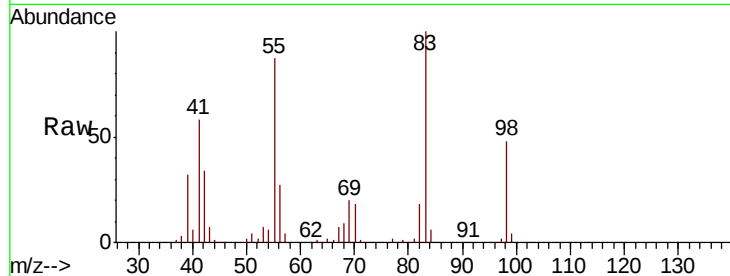
#39
Methvlcvclohexane
Concen: 21.290 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.4	70.5	105.7
98	47.9	39.4	59.2

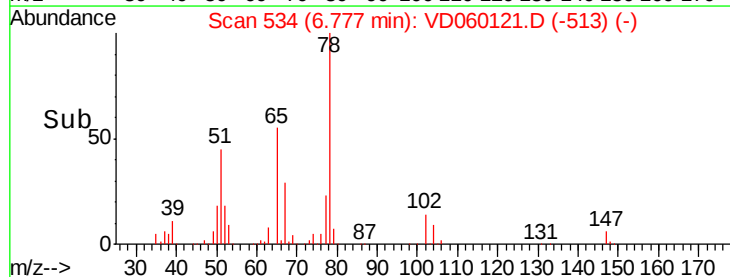
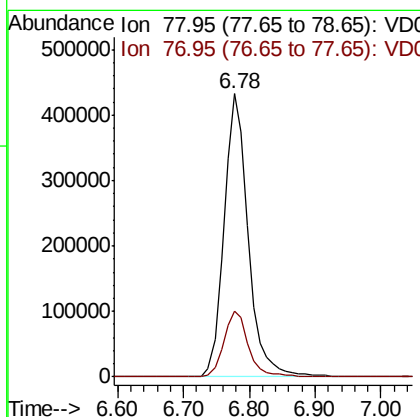
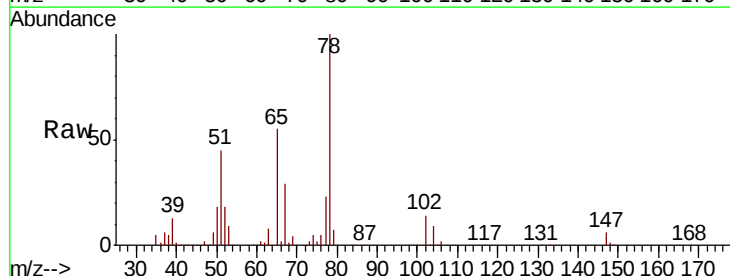
Manual Integrations
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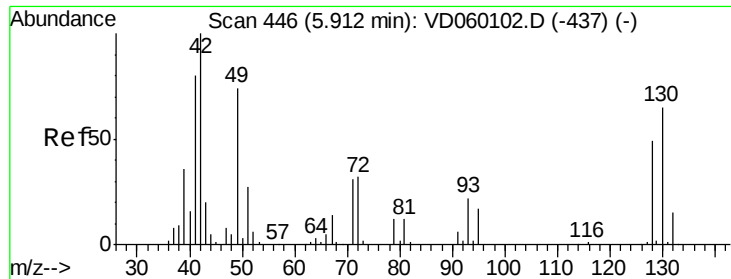
apatel
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#40
Benzene
Concen: 20.767 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





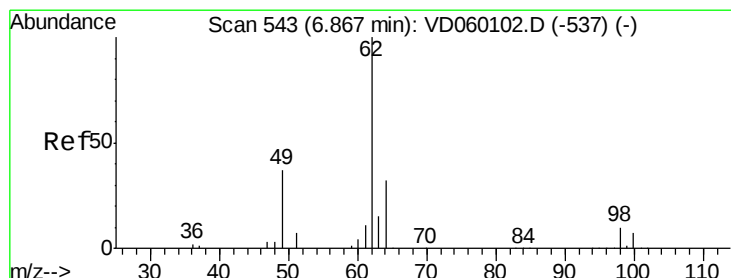
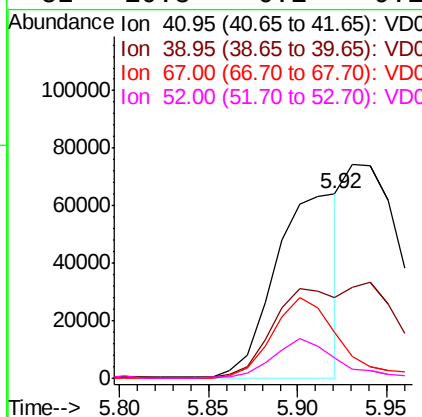
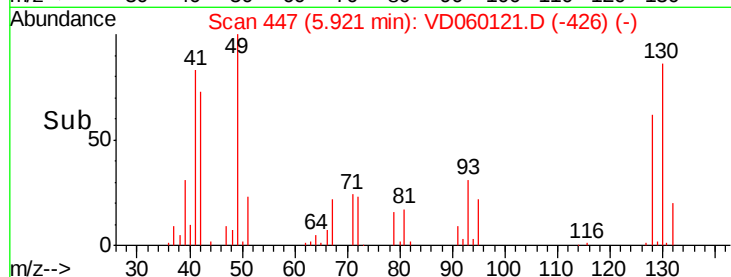
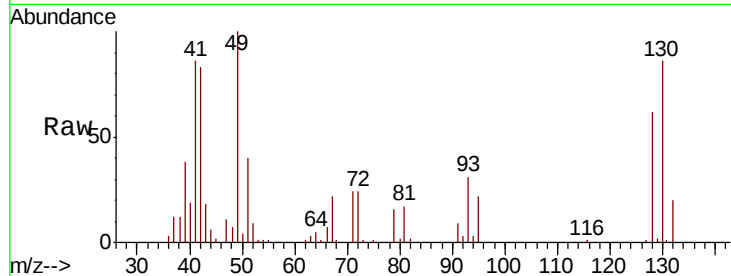
#41
Methacrylonitrile
Concen: 21.082 ug/l m
RT: 5.92 min Scan# 447
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion: 41 Resp: 161570
Ion Ratio Lower Upper
41 100
39 43.7 36.0 54.0
67 25.2 13.9 20.9#
52 10.8 6.1 9.1#

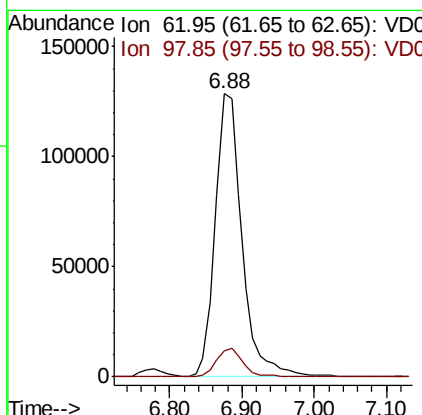
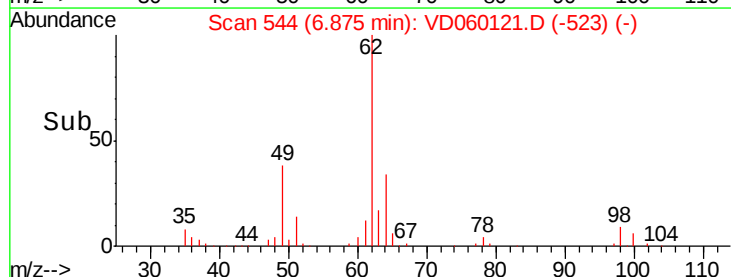
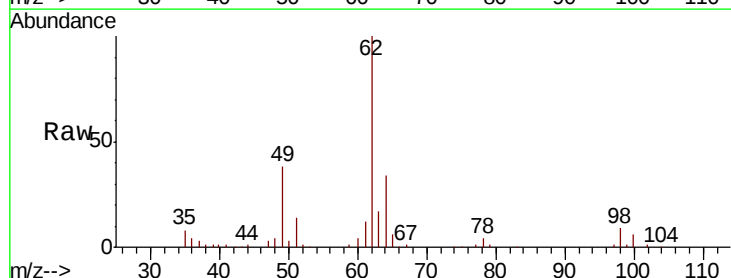
Manual Integrations
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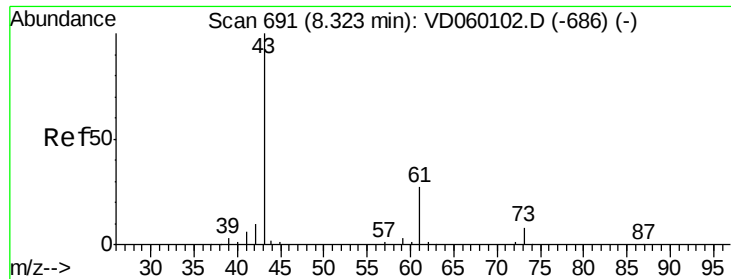
apatel
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#42
1,2-Dichloroethane
Concen: 21.236 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 62 Resp: 325372
Ion Ratio Lower Upper
62 100
98 9.3 0.0 20.6





#43

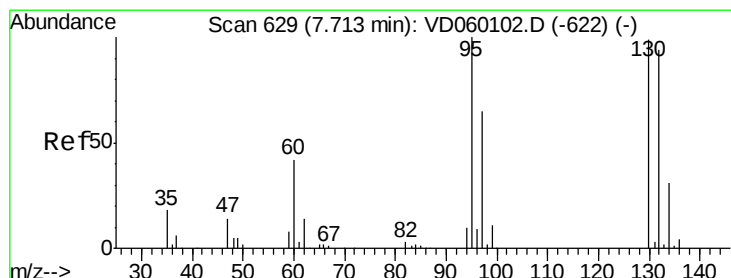
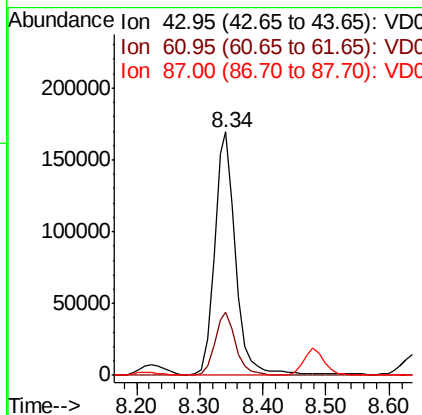
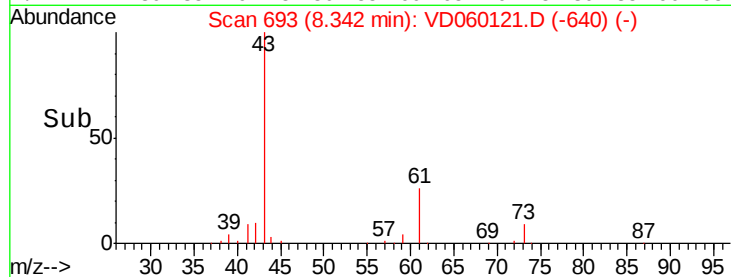
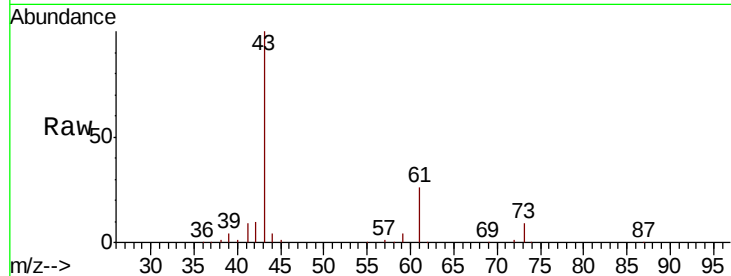
Isopropyl Acetate
 Concen: 21.758 ug/l
 RT: 8.34 min Scan# 693
 Delta R.T. 0.02 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	21.4	32.2
87	0.2	0.2	0.2

Manual Integrations
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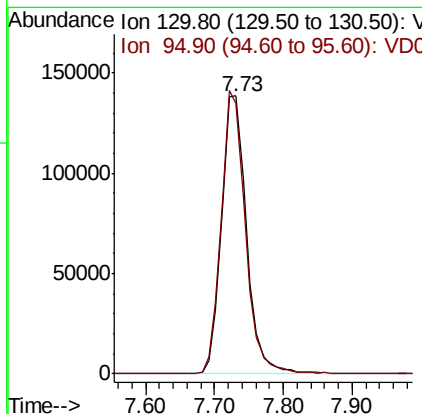
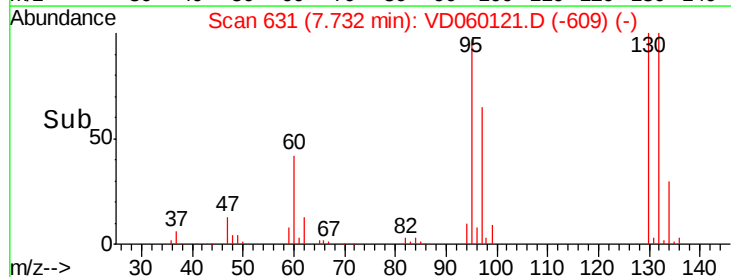
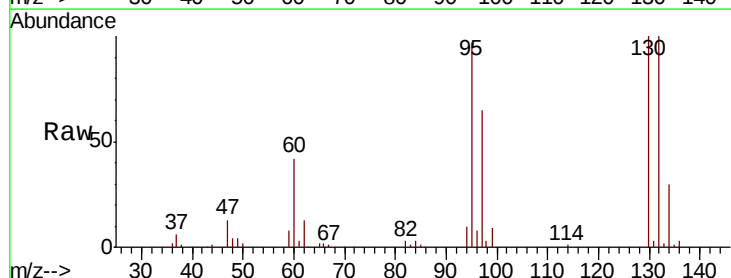
apatel
 10/4/2018 4:45:02 PM

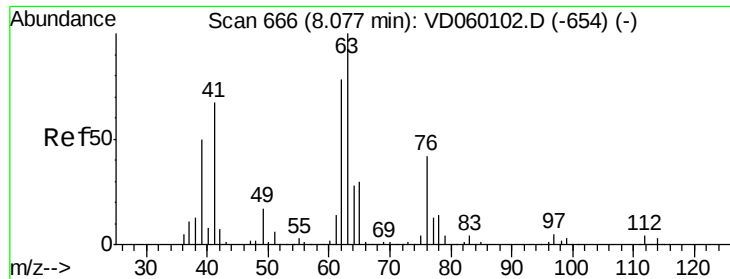


#44

Trichloroethene
 Concen: 21.053 ug/l
 RT: 7.73 min Scan# 631
 Delta R.T. 0.02 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	202.2





#45

1,2-Dichloropropane

Concen: 21.081 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 63 Resp: 294992

Ion Ratio Lower Upper

63 100

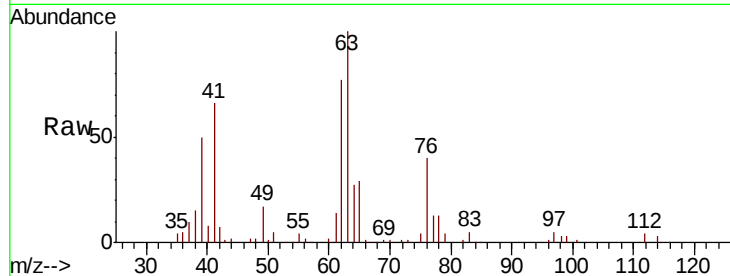
65 29.0 24.1 36.1

Manual Integrations

APPROVED

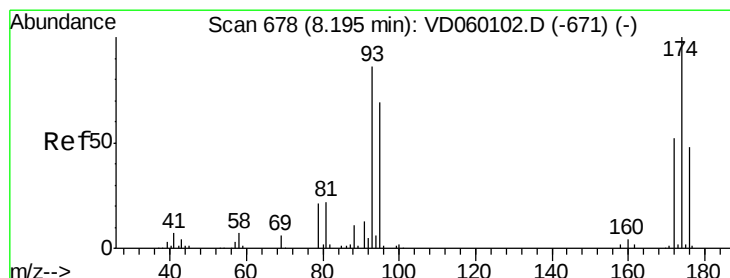
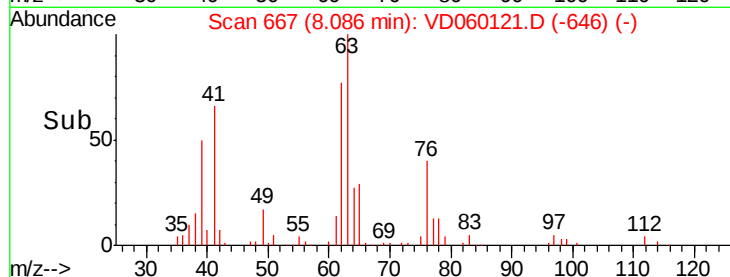
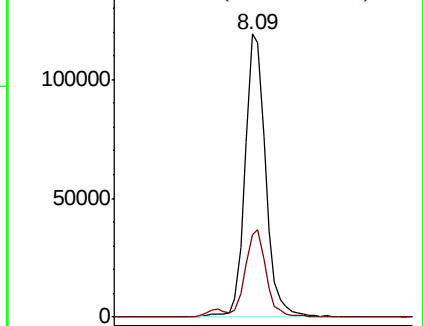
apatel

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.370 ug/l

RT: 8.20 min Scan# 679

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

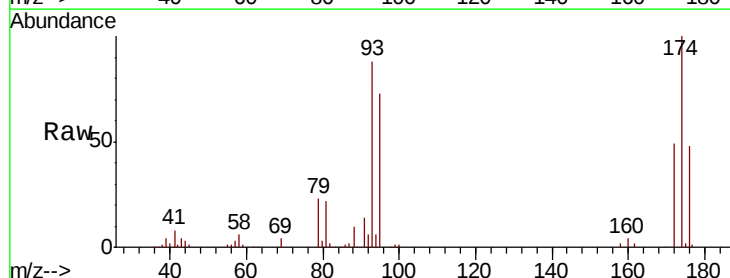
Tgt Ion: 93 Resp: 193605

Ion Ratio Lower Upper

93 100

95 82.7 63.8 95.6

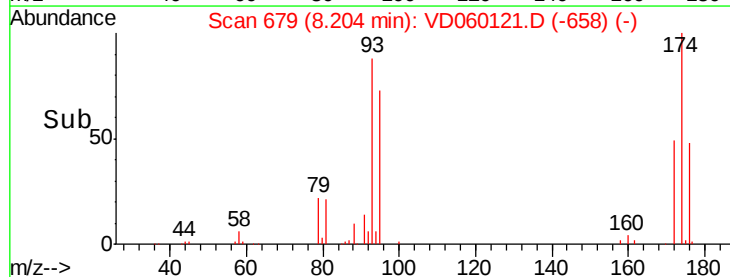
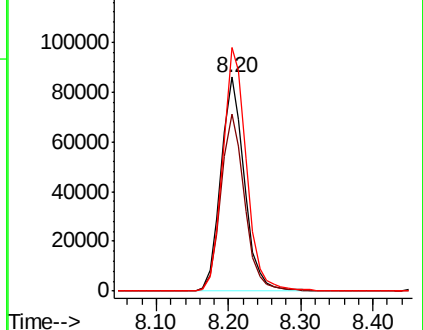
174 113.8 92.9 139.3

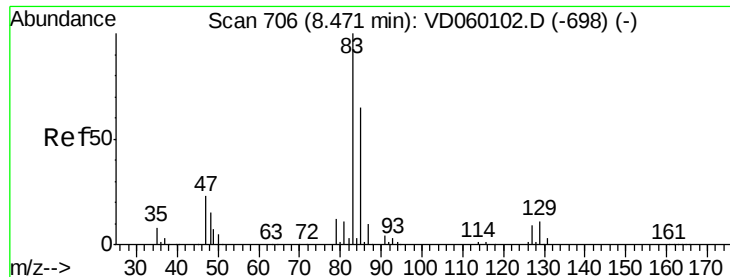


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.227 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

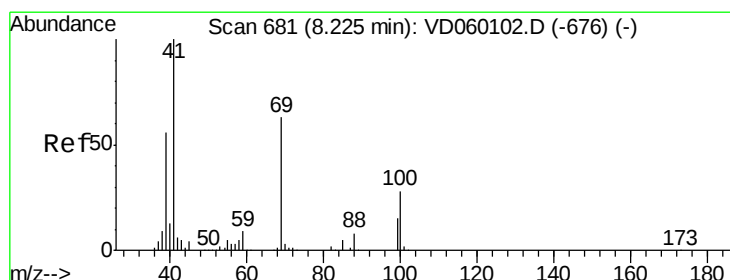
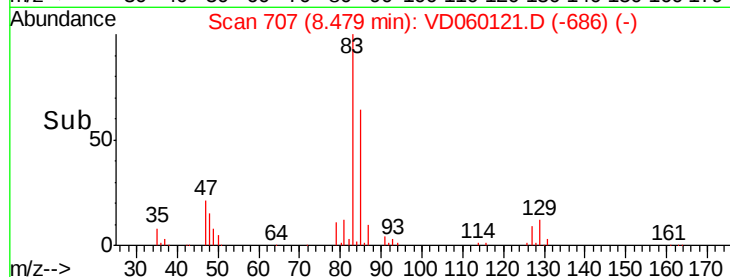
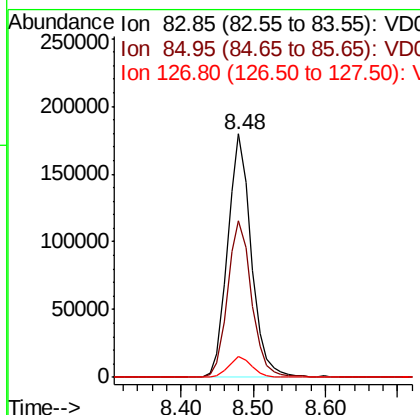
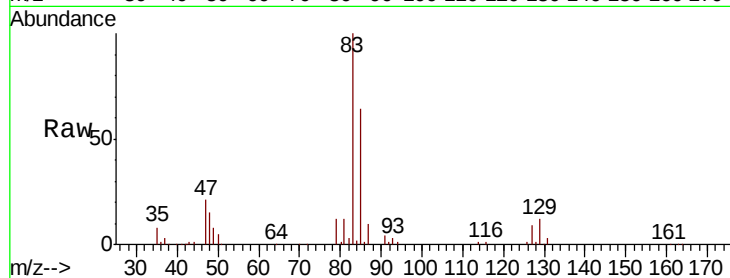
ClientSampleId :

VD1003SBSD01

Tot Ion:	83	Resp:	409745
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.2	78.2
127	8.8	7.4	11.0

Manual Integrations
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apatel
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#48

Methyl methacrylate

Concen: 21.970 ug/l

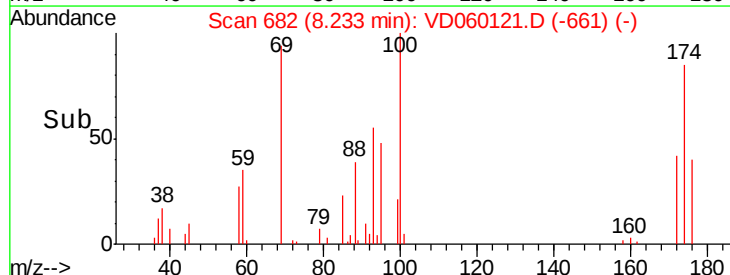
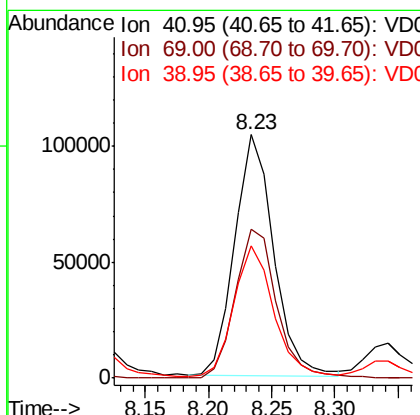
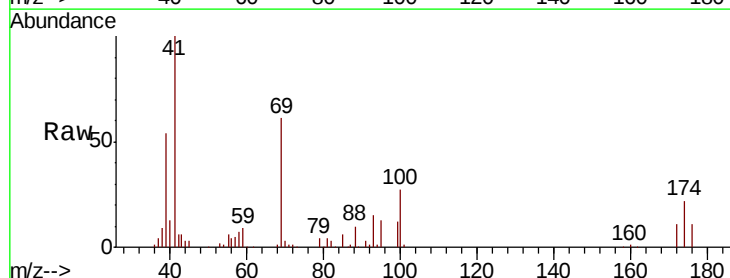
RT: 8.23 min Scan# 682

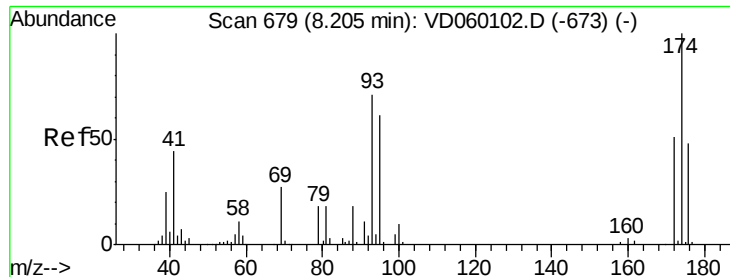
Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Tgt Ion:	41	Resp:	223234
Ion Ratio	Lower	Upper	
41	100		
69	61.0	49.7	74.5
39	54.2	45.2	67.8





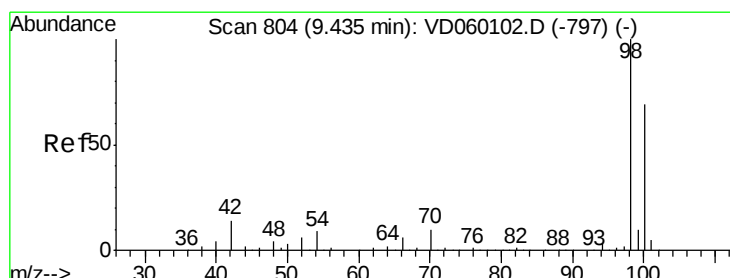
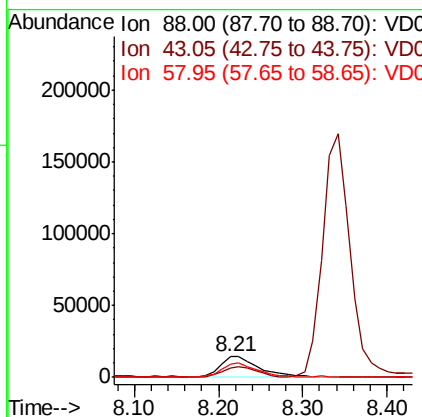
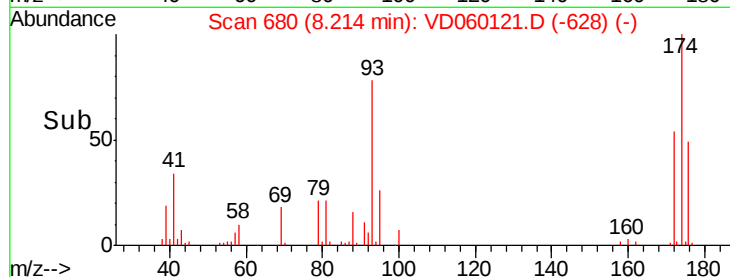
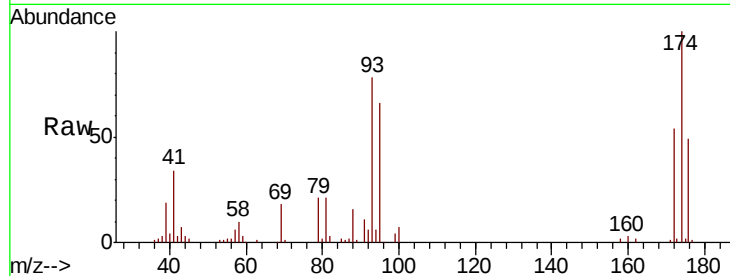
#49
1,4-Dioxane
Concen: 462.355 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion	88	Resp	46224
Ion	Ratio	Lower	Upper
88	100		
43	43.2	33.7	50.5
58	63.8	49.1	73.7

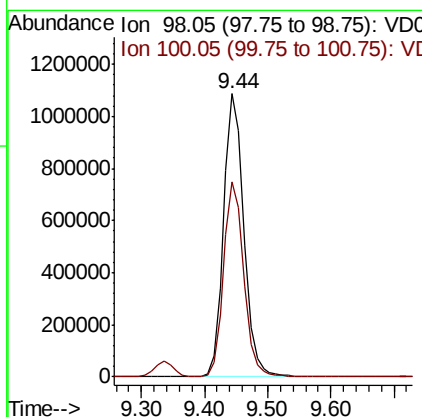
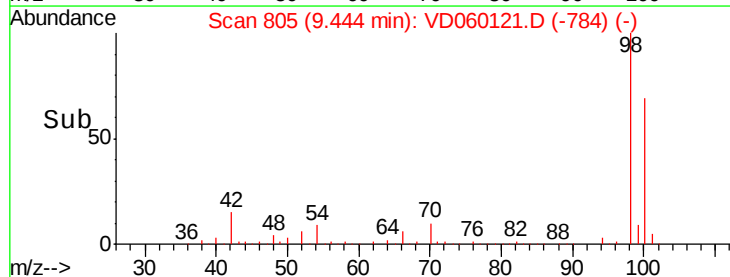
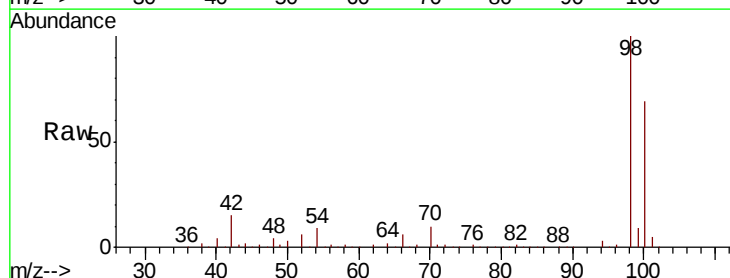
Manual Integrations
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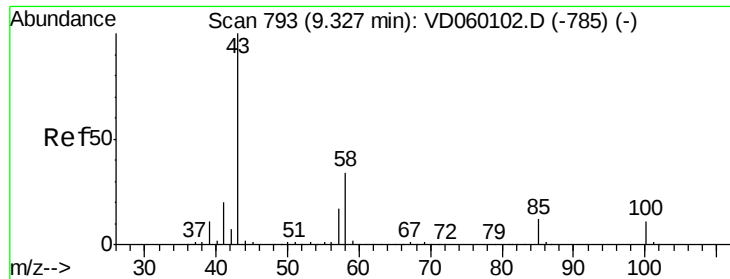
apatel
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#50
Toluene-d8
Concen: 462.355 ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion	98	Resp	2424290
Ion	Ratio	Lower	Upper
98	100		
100	69.0	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 111.585 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 43 Resp: 1255456

Ion Ratio Lower Upper

43 100

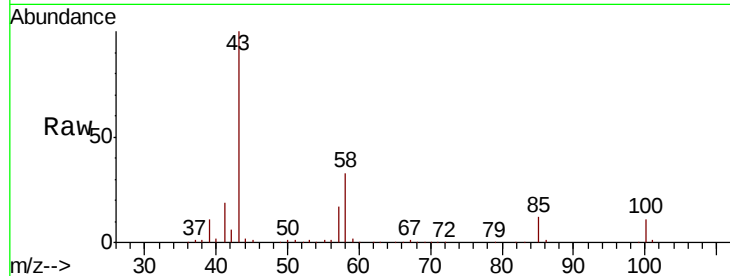
58 32.9 27.2 40.8

Manual Integrations

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apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

600000

500000

400000

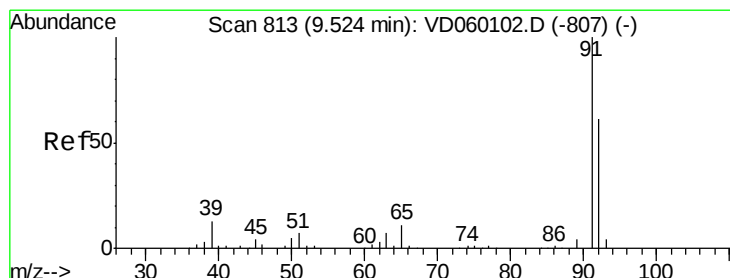
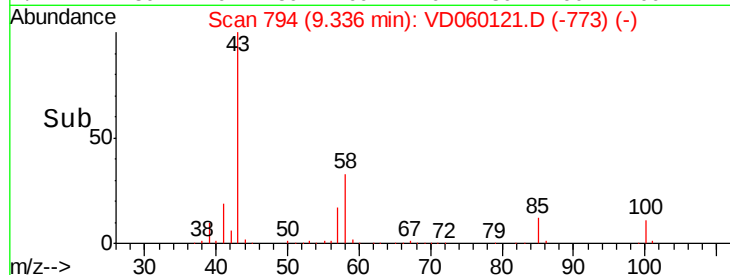
300000

200000

100000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 21.139 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060121.D

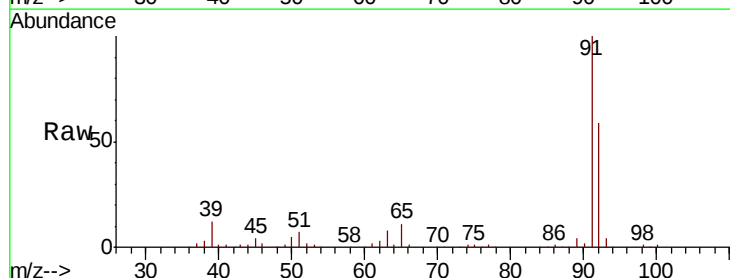
Acq: 3 Oct 2018 16:40

Tgt Ion: 92 Resp: 727552

Ion Ratio Lower Upper

92 100

91 168.6 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

600000

500000

400000

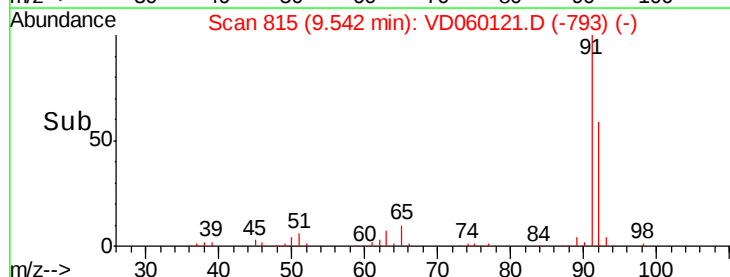
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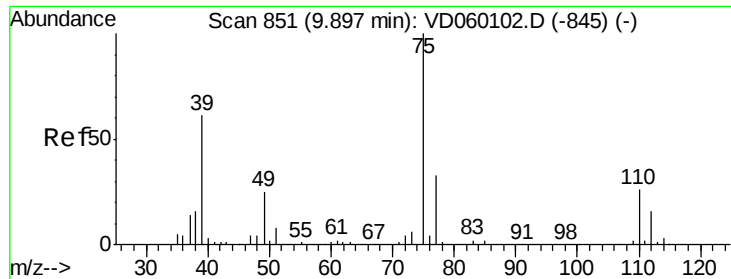
200000

100000

0

Time--> 9.40 9.50 9.60 9.70





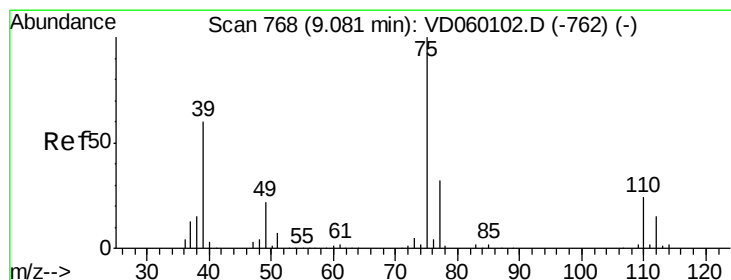
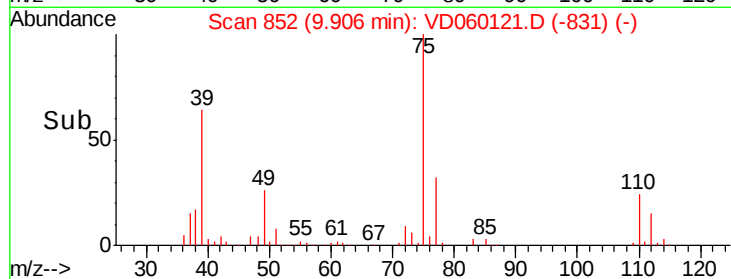
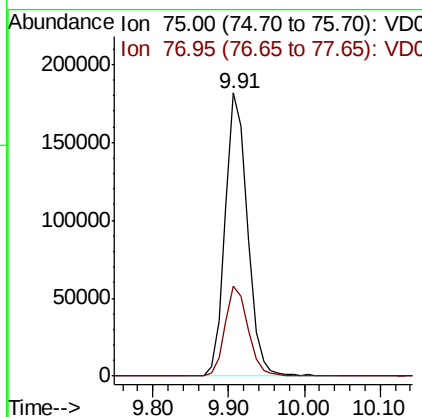
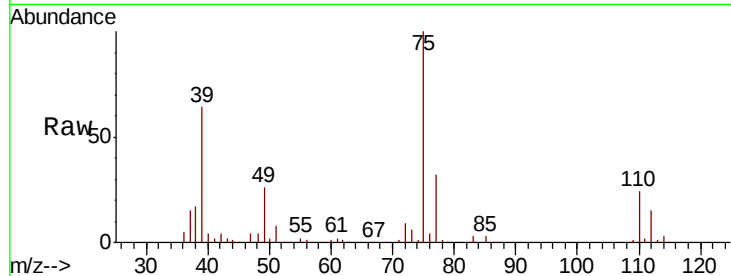
#53
t-1,3-Dichloropropene
Concen: 21.203 ug/l
RT: 9.91 min Scan# 852
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion: 75 Resp: 370332
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.2

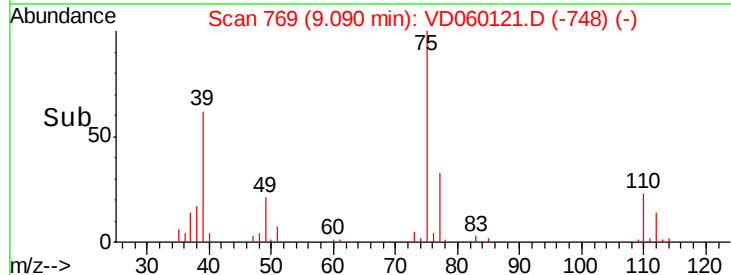
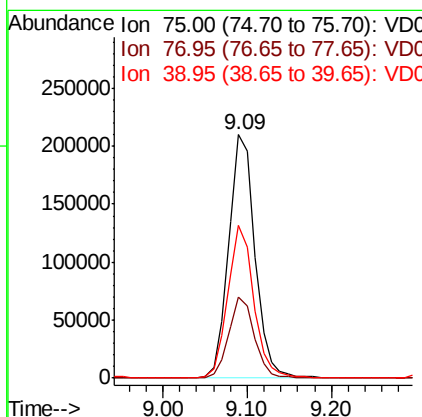
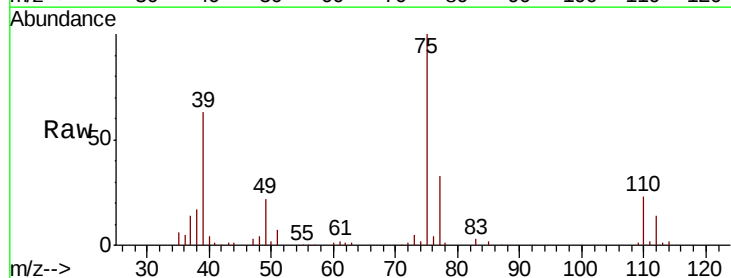
Manual Integrations
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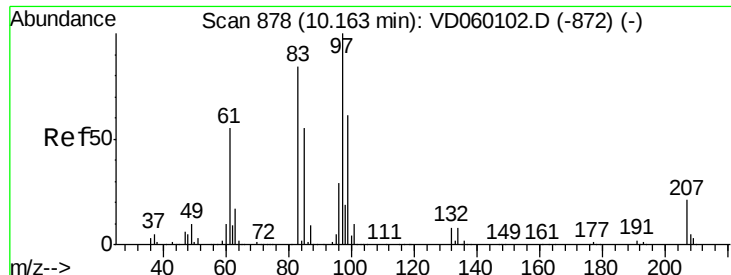
apatel
10/4/2018 4:45:02 PM



#54
cis-1,3-Dichloropropene
Concen: 21.154 ug/l
RT: 9.09 min Scan# 769
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 75 Resp: 456259
Ion Ratio Lower Upper
75 100
77 33.1 25.7 38.5
39 62.8 48.2 72.4





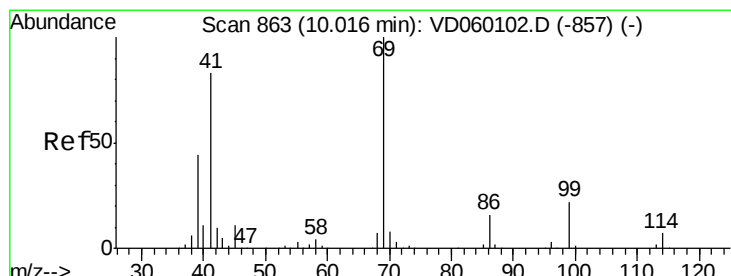
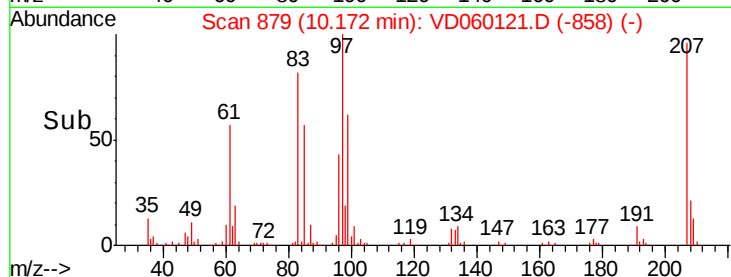
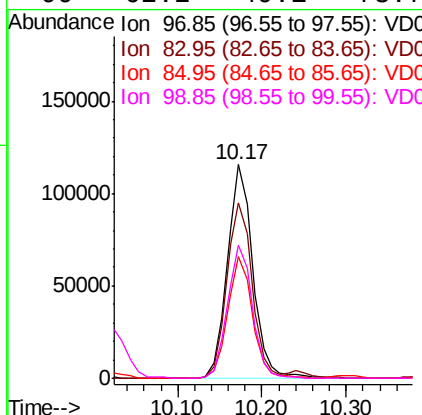
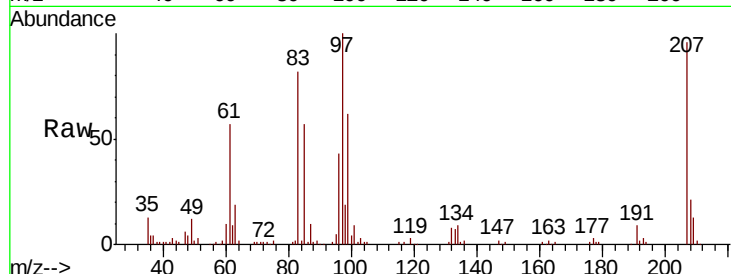
#55
 1,1,2-Trichloroethane
 Concen: 21.486 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	97	Resp	241753
Ion Ratio	Lower	Upper	
97	100		
83	81.9	67.0	100.6
85	56.8	43.9	65.9
99	62.2	49.1	73.7

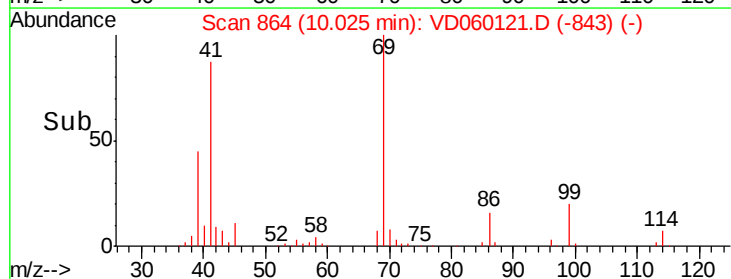
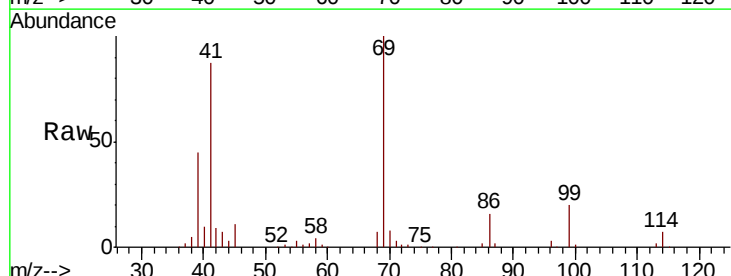
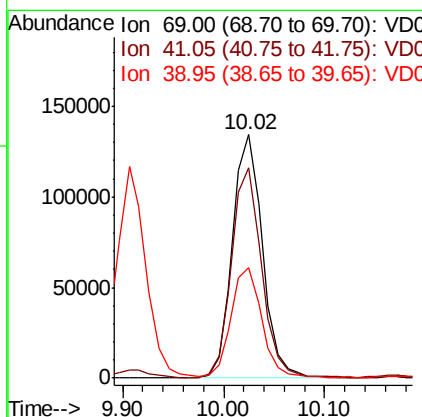
Manual Integrations
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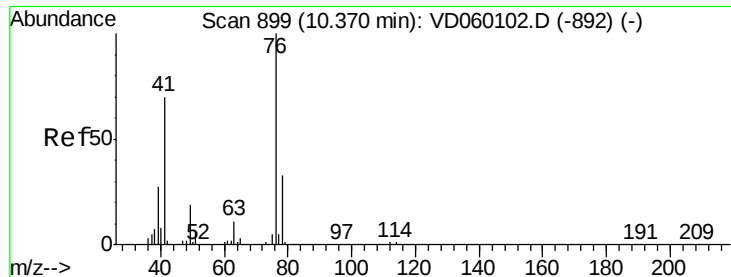
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 10/4/2018 4:45:02 PM



#56
 Ethyl methacrylate
 Concen: 22.329 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion	69	Resp	277331
Ion Ratio	Lower	Upper	
69	100		
41	86.6	66.6	100.0
39	45.2	36.0	54.0





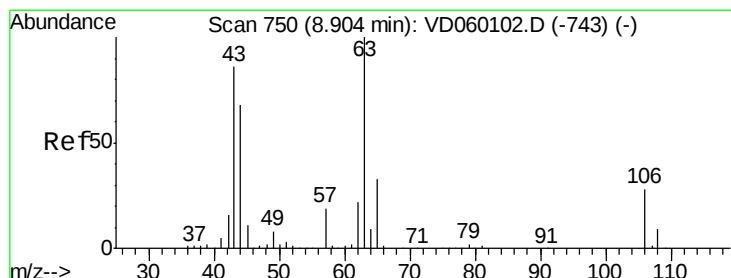
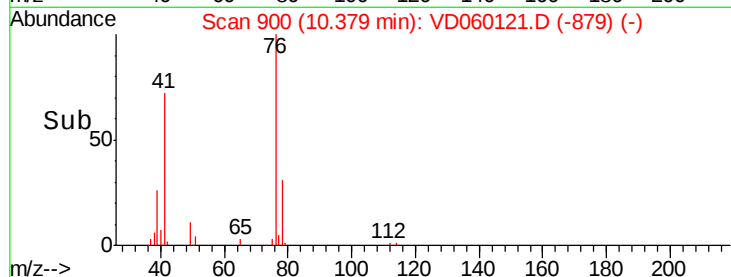
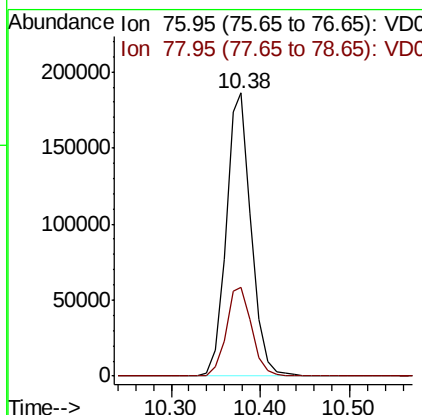
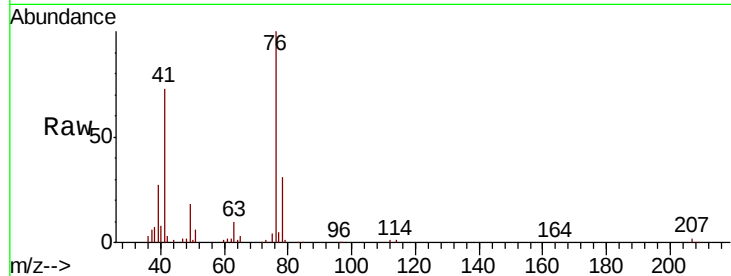
#57
 1,3-Dichloropropane
 Concen: 21.294 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

Tot Ion: 76 Resp: 365404
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.2 39.2

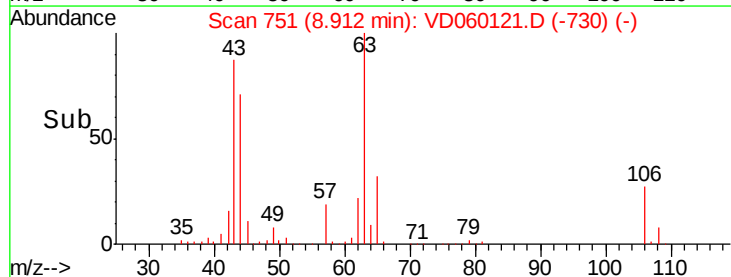
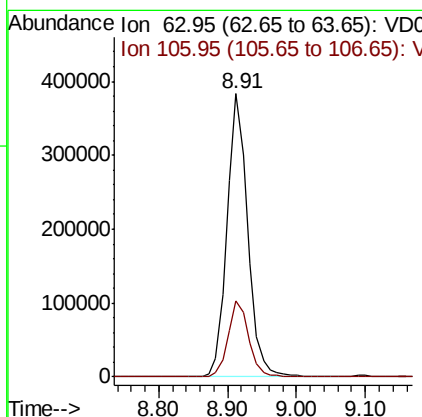
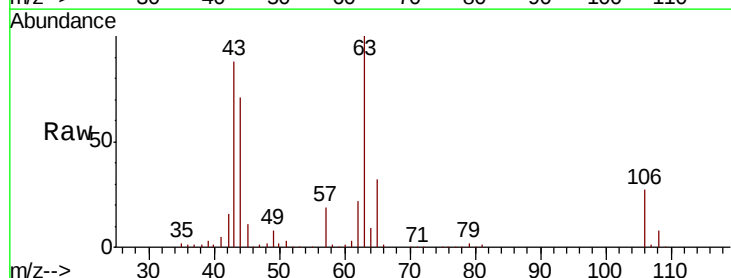
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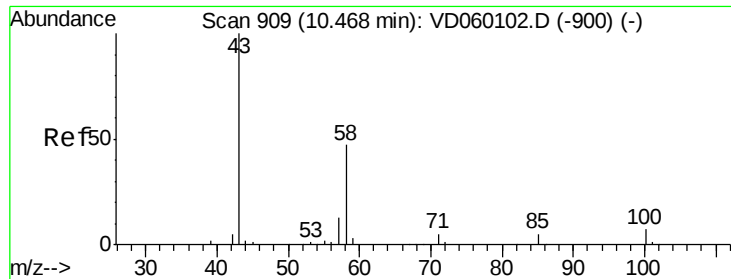
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 115.250 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion: 63 Resp: 794890
 Ion Ratio Lower Upper
 63 100
 106 27.0 22.6 34.0





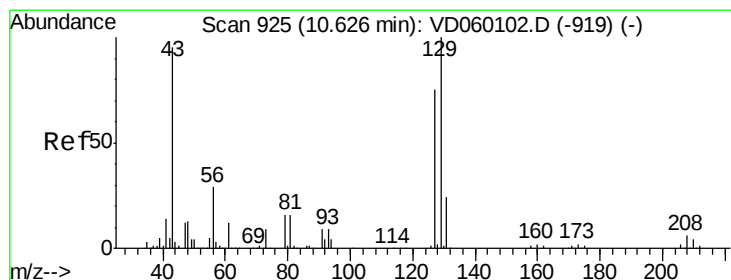
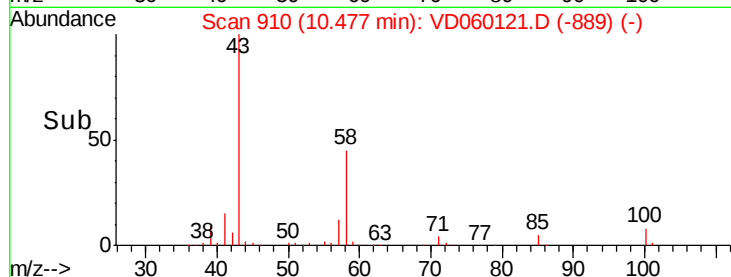
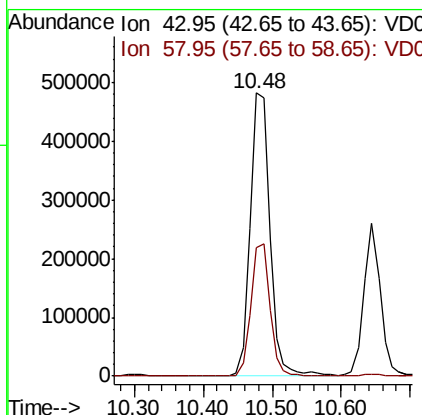
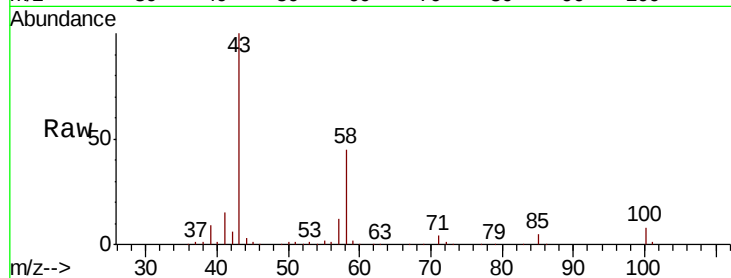
#59
2-Hexanone
Concen: 118.564 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleID :
VD1003SBSD01

Tot Ion: 43 Resp: 959231
Ion Ratio Lower Upper
43 100
58 45.3 23.3 69.9

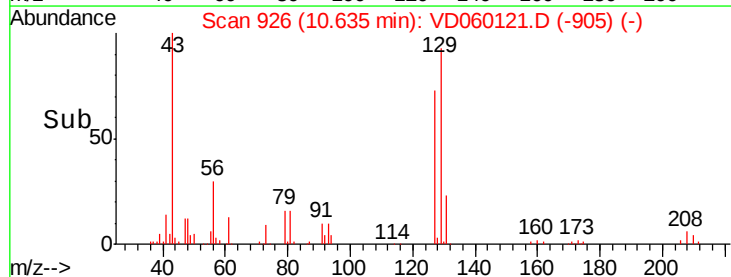
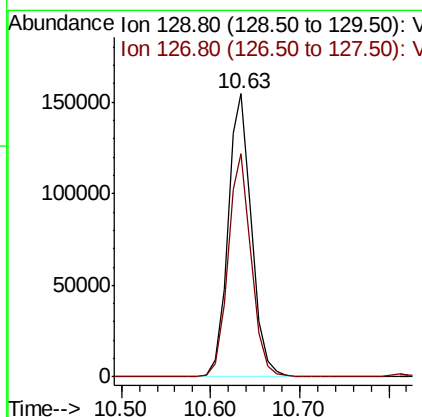
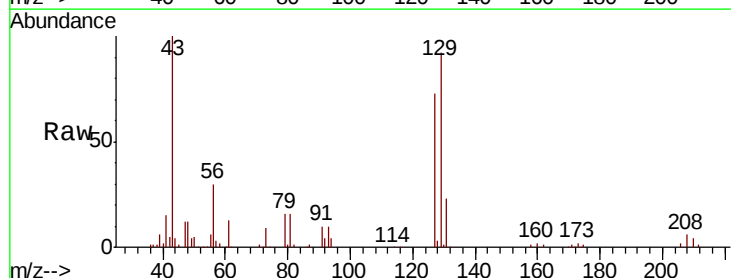
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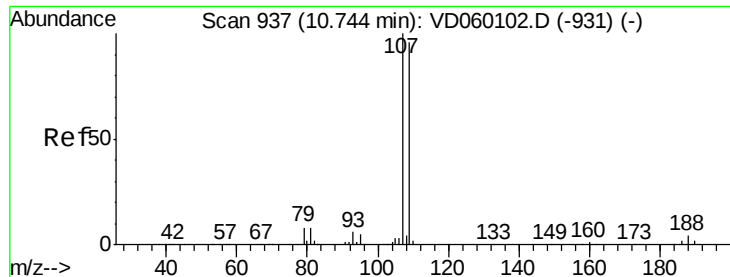
apatel
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#60
Dibromochloromethane
Concen: 20.734 ug/l
RT: 10.63 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 129 Resp: 286232
Ion Ratio Lower Upper
129 100
127 79.0 37.4 112.2





#61

1,2-Dibromoethane

Concen: 21.154 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBSD01

Tot Ion:107 Resp: 252903

Ion Ratio Lower Upper

107 100

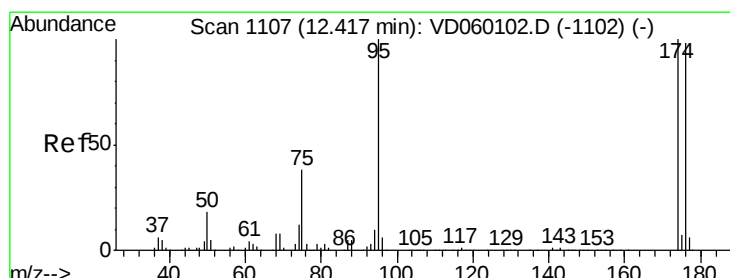
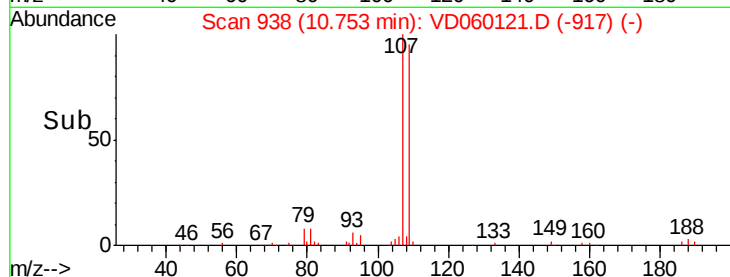
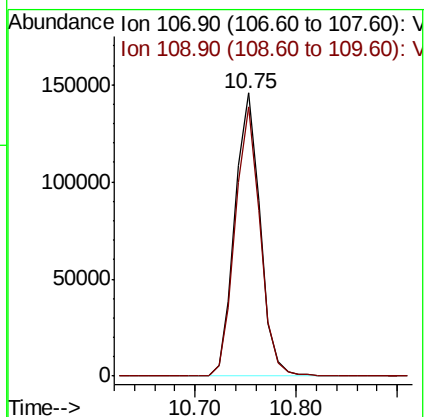
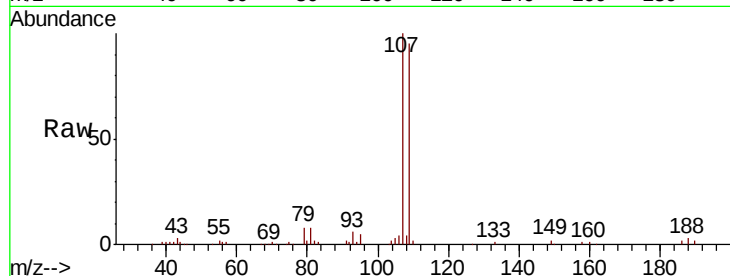
109 95.1 77.1 115.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 21.154 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

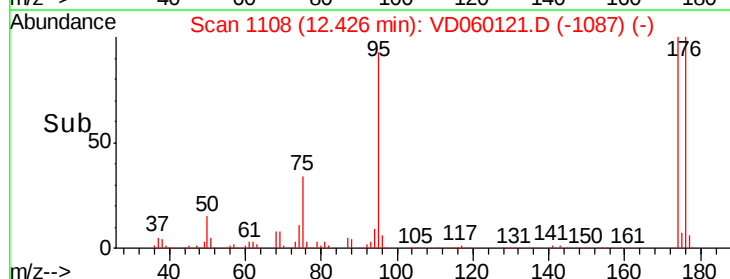
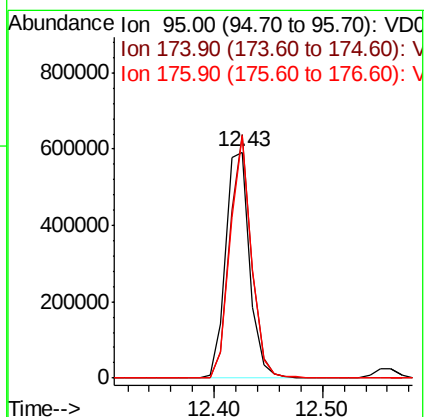
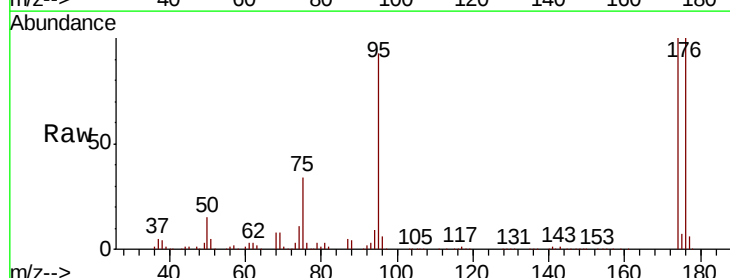
Tgt Ion: 95 Resp: 921922

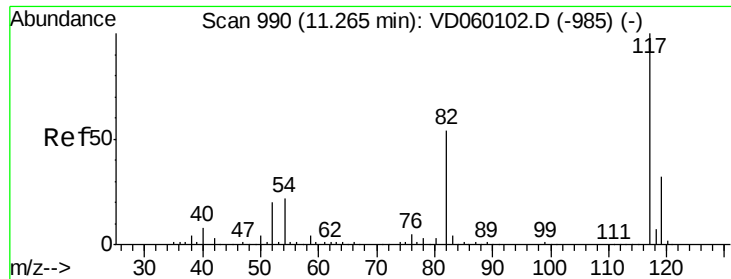
Ion Ratio Lower Upper

95 100

174 107.6 0.0 200.2

176 107.1 0.0 195.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion:117 Resp: 1748751

Ion Ratio Lower Upper

117 100

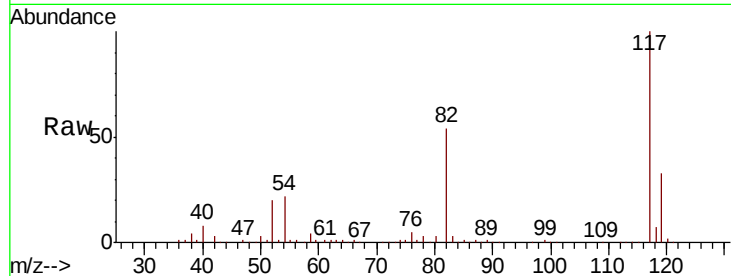
82 54.1 43.4 65.2

119 32.8 26.0 39.0

Manual Integrations
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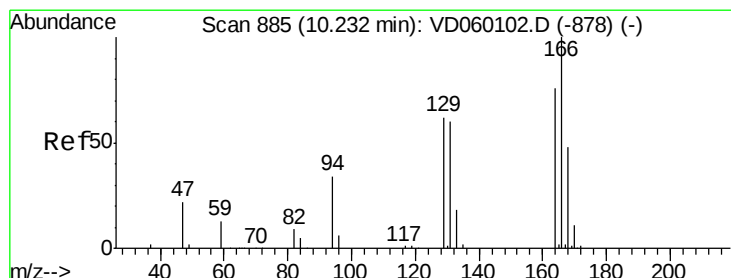
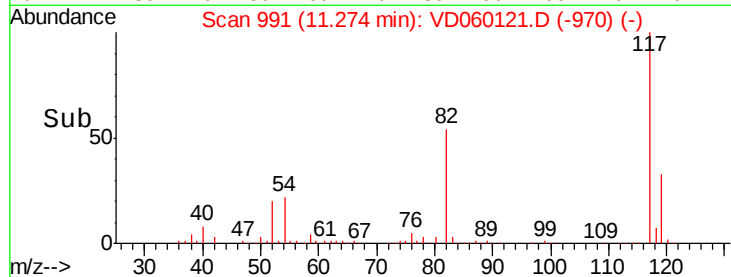
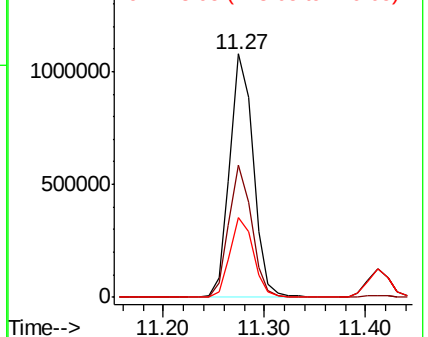


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 20.703 ug/l

RT: 10.24 min Scan# 886

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Tgt Ion:164 Resp: 317096

Ion Ratio Lower Upper

164 100

166 131.2 105.4 158.0

129 80.3 65.7 98.5

131 79.5 62.9 94.3

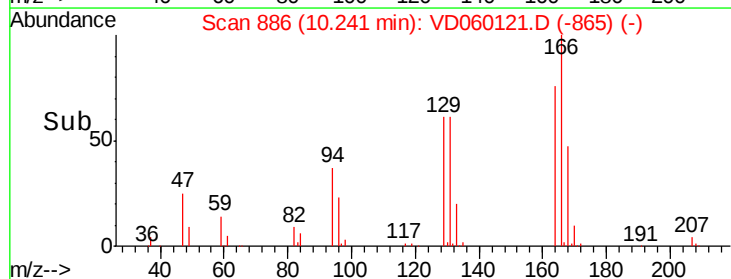
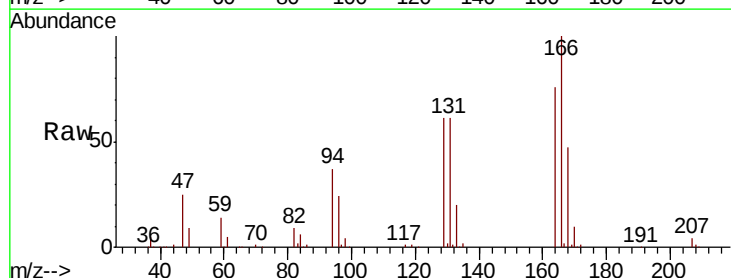
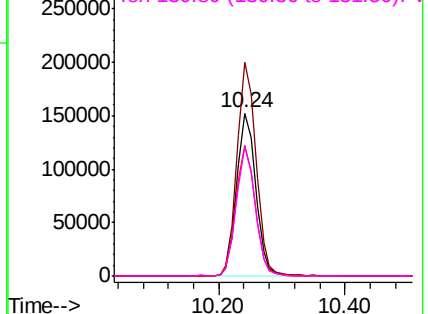
Abundance

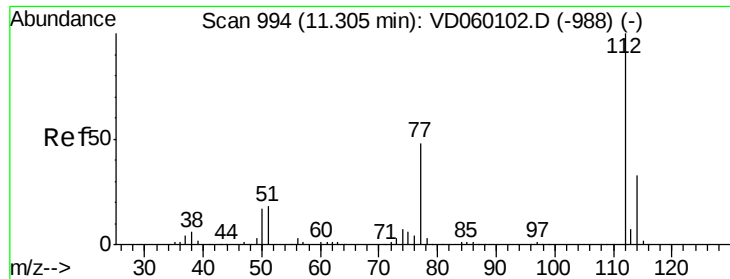
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





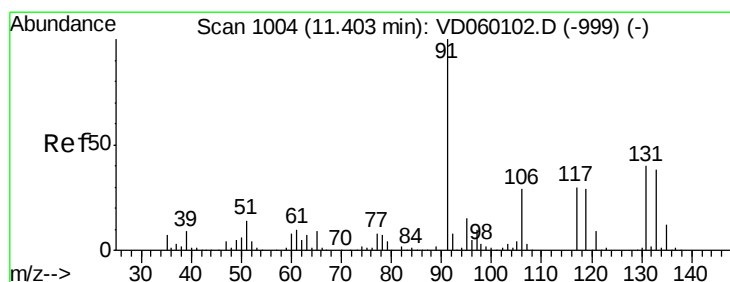
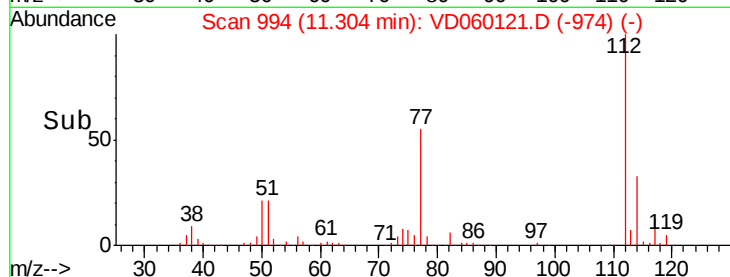
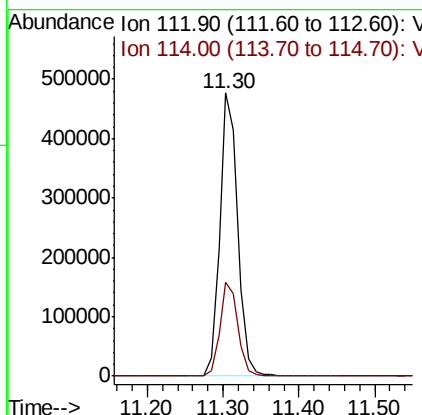
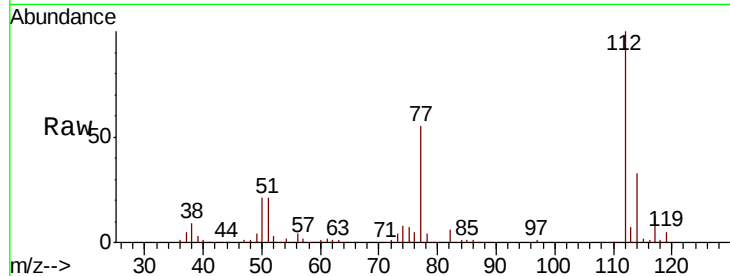
#65
Chlorobenzene
Concen: 20.778 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion:112 Resp: 786052
Ion Ratio Lower Upper
112 100
114 33.3 26.0 39.0

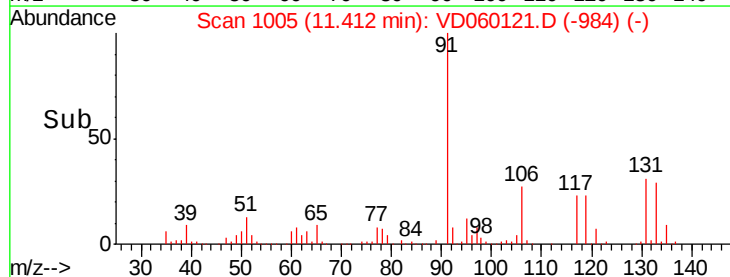
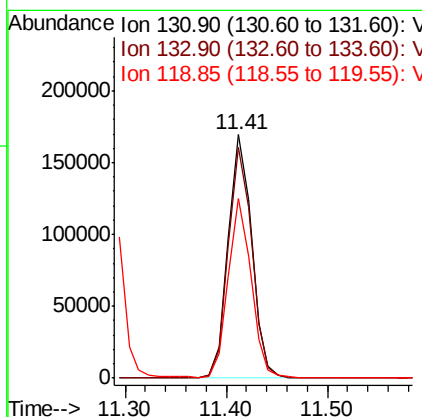
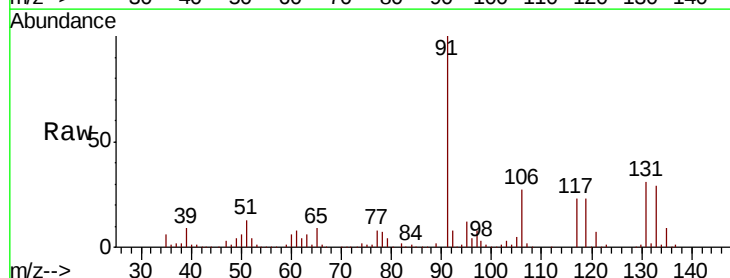
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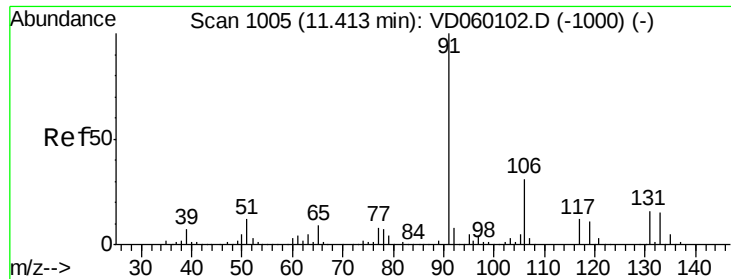
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.680 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion:131 Resp: 273618
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.3
119 73.6 36.1 108.3





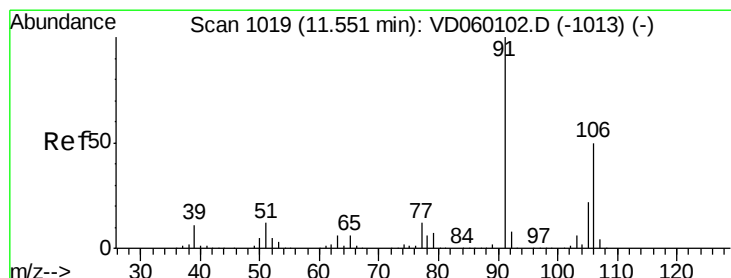
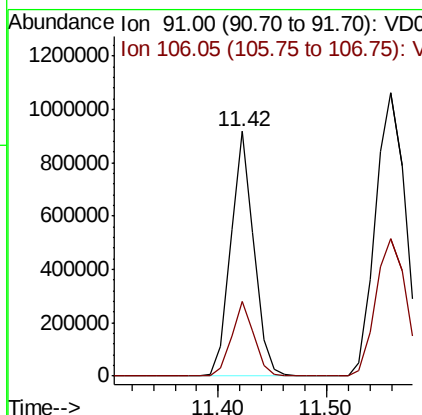
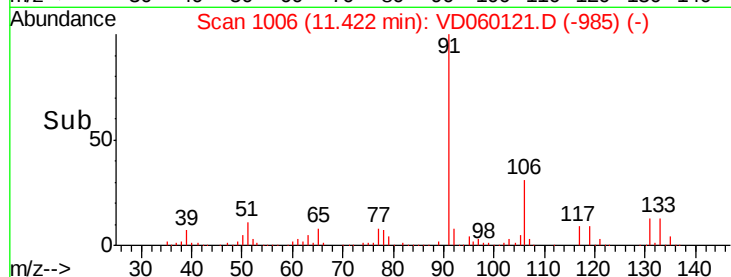
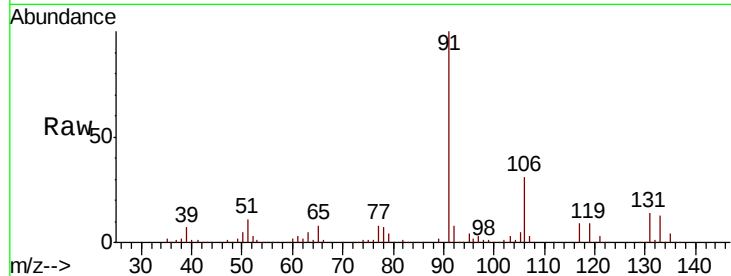
#67
Ethyl Benzene
Concen: 22.231 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion: 91 Resp: 1362658
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6

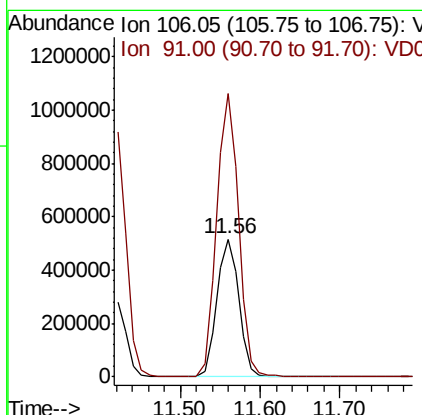
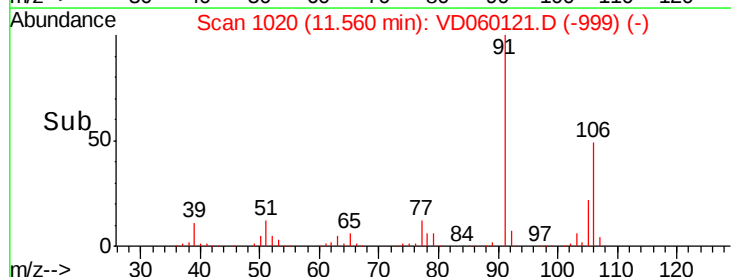
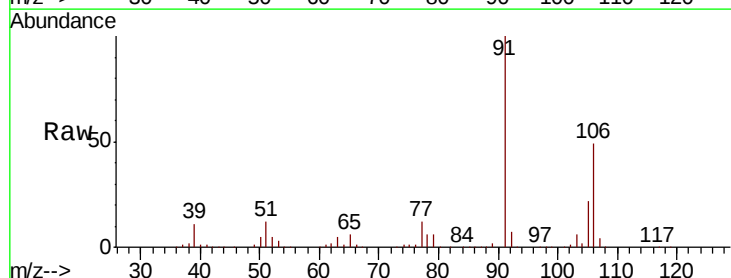
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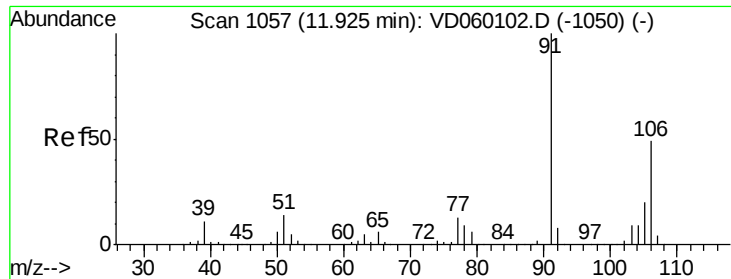
apatel
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#68
m/p-Xylenes
Concen: 43.932 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 106 Resp: 1006124
Ion Ratio Lower Upper
106 100
91 205.9 160.0 240.0





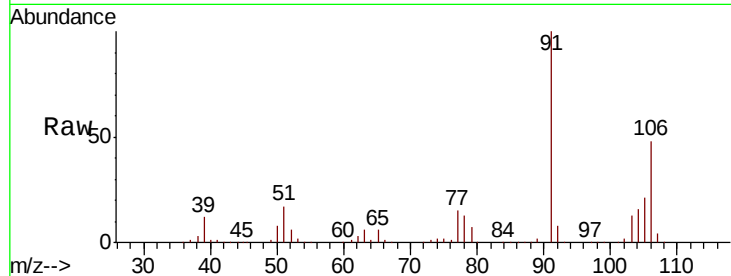
#69
o-Xylene
Concen: 21.621 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleID :
VD1003SBS01

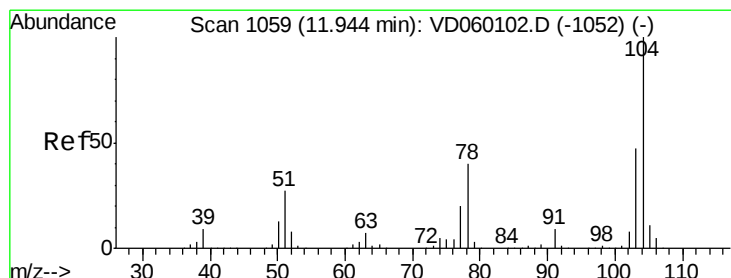
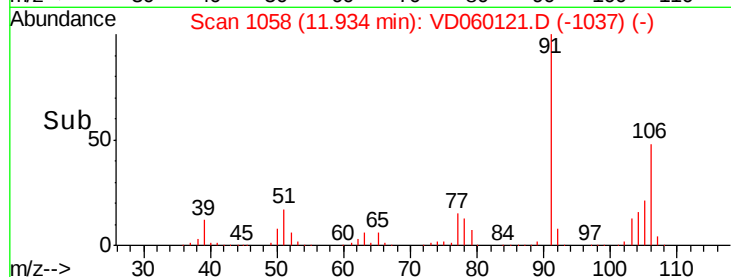
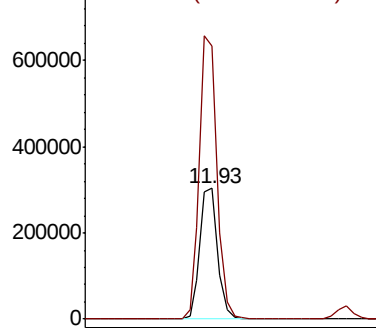
Tot Ion:106 Resp: 489773
Ion Ratio Lower Upper
106 100
91 209.3 102.5 307.5

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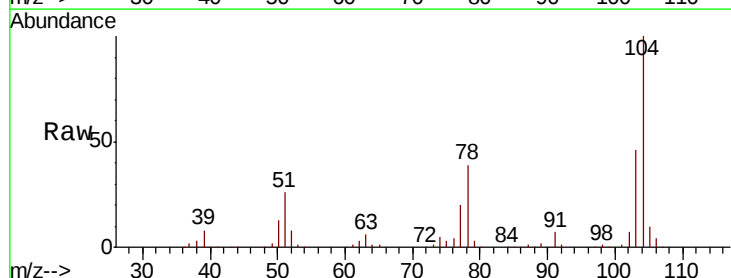


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

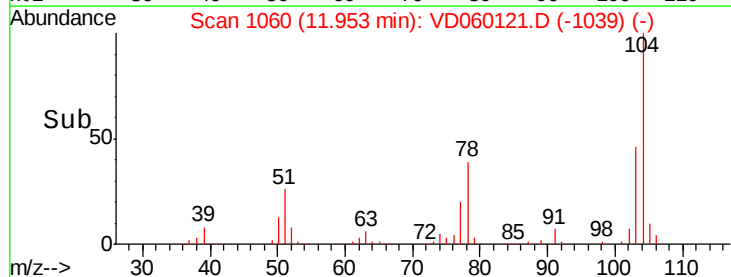
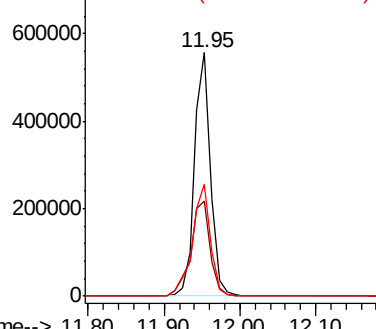


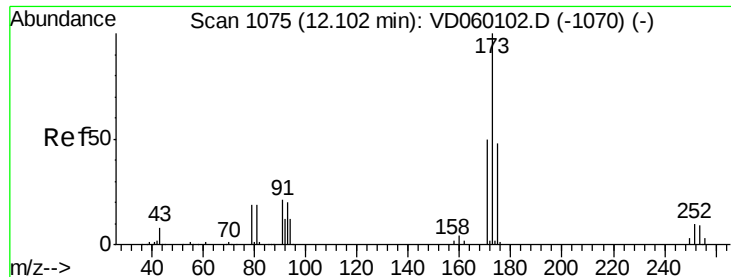
#70
Styrene
Concen: 21.564 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion:104 Resp: 816910
Ion Ratio Lower Upper
104 100
78 39.2 32.2 48.4
103 45.7 37.4 56.0



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





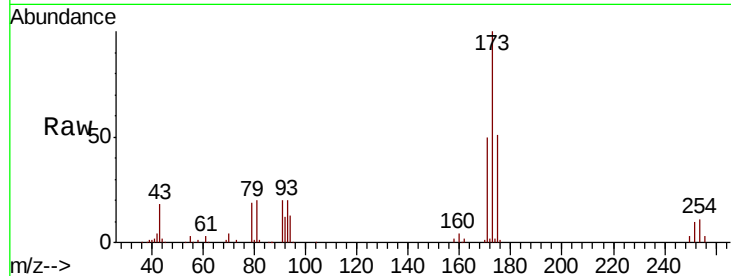
#71
Bromoform
Concen: 20.441 ug/l
RT: 12.11 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampled :
VD1003SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.1	24.1	72.4
254	10.7	7.4	11.0

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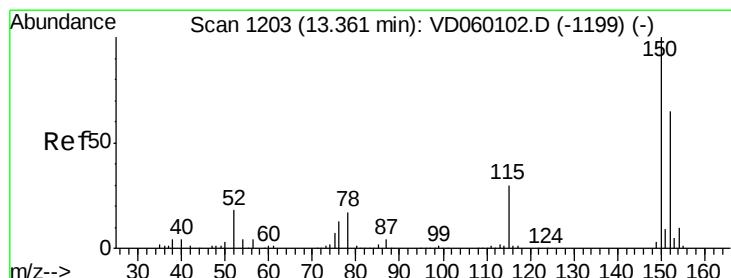
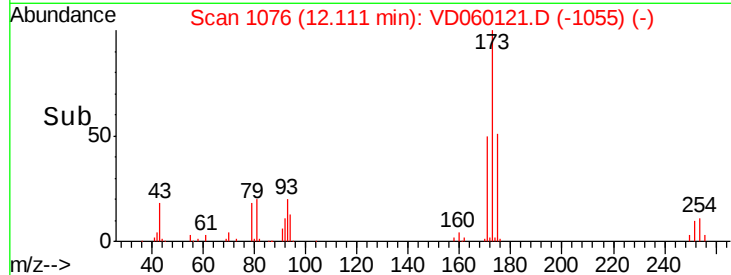
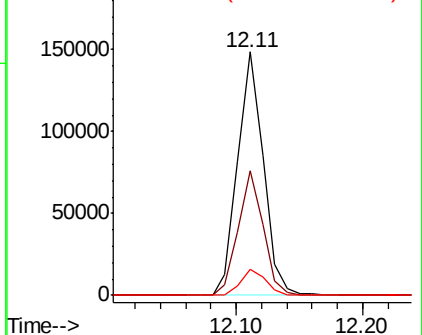


Abundance

Ion 172.80 (172.50 to 173.50): V

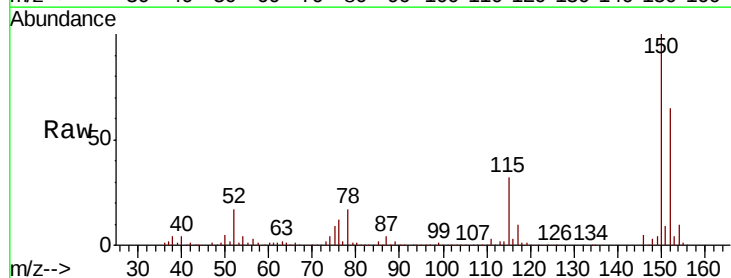
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.1	27.1	81.2
150	154.0	0.0	311.8

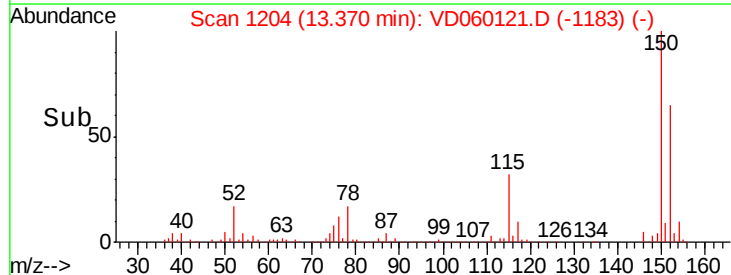
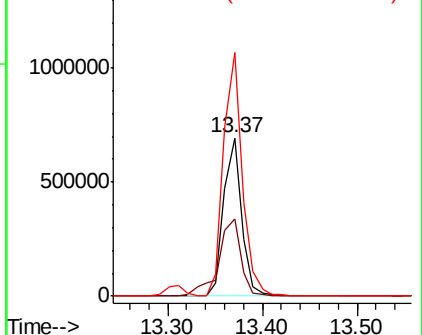


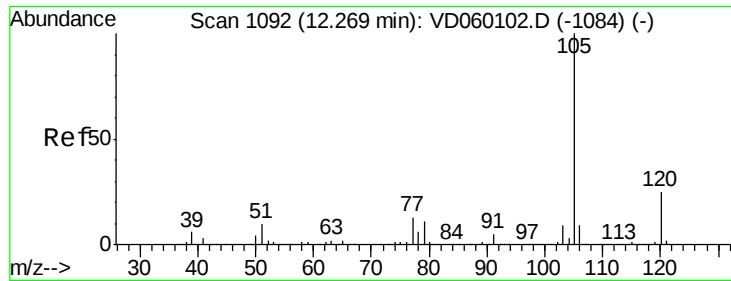
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.996 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion:105 Resp: 1320658

Ion Ratio Lower Upper

105 100

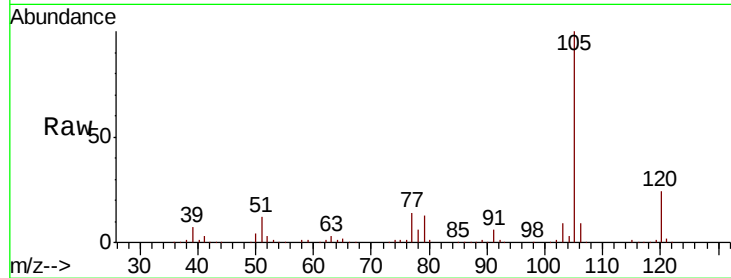
120 24.1 12.6 37.6

Manual Integrations

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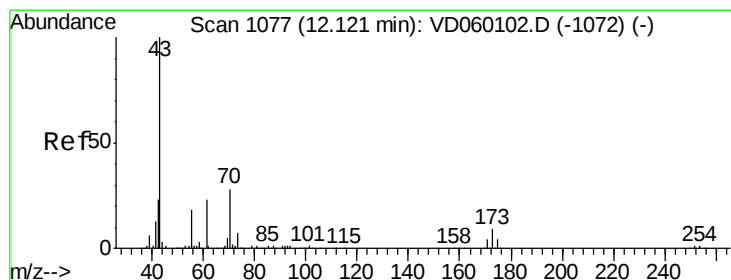
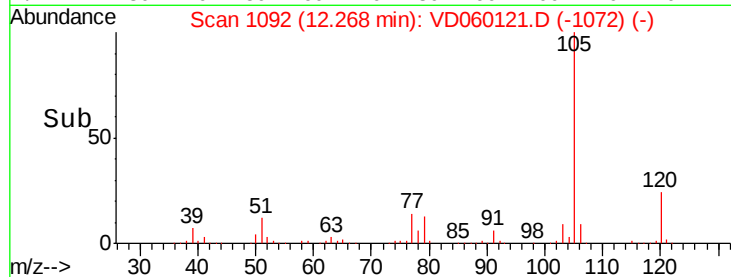
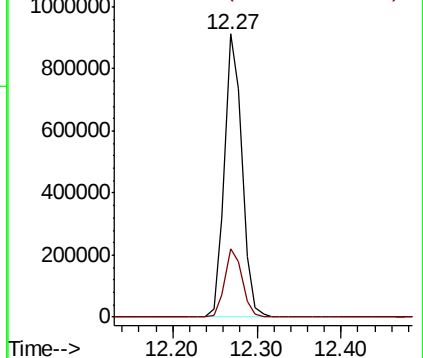
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.034 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Tgt Ion: 43 Resp: 484580

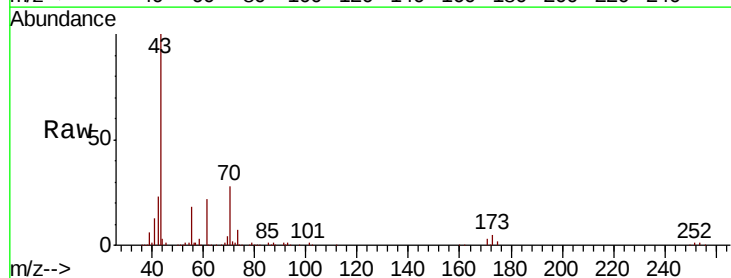
Ion Ratio Lower Upper

43 100

70 28.4 22.1 33.1

55 17.6 14.1 21.1

61 22.2 18.4 27.6

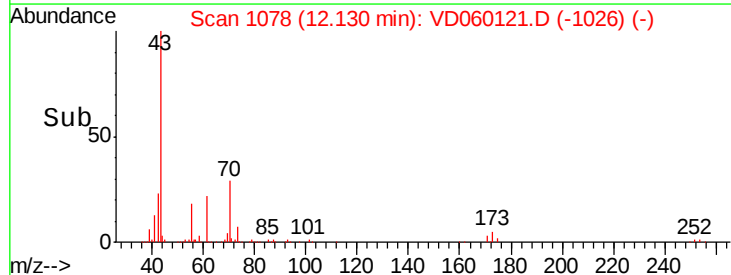
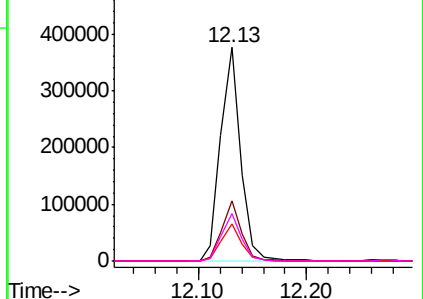


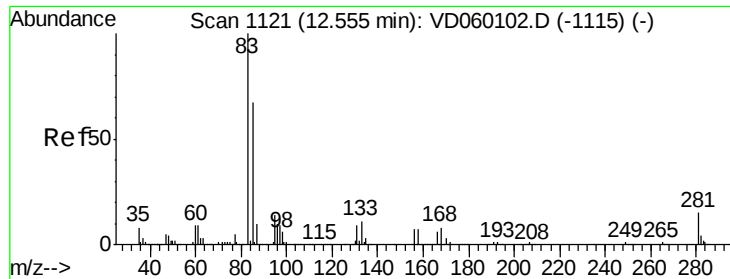
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.700 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 83 Resp: 284439

Ion Ratio Lower Upper

83 100

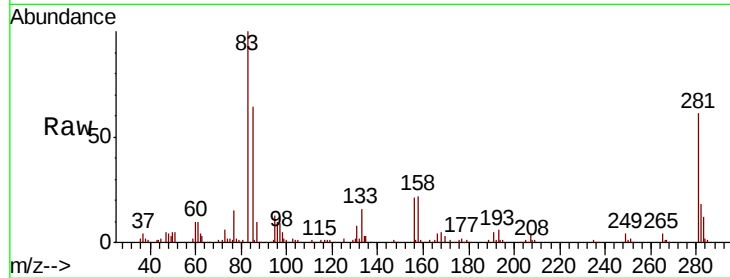
131 7.9 4.5 13.4

85 64.1 33.3 99.9

Manual Integrations
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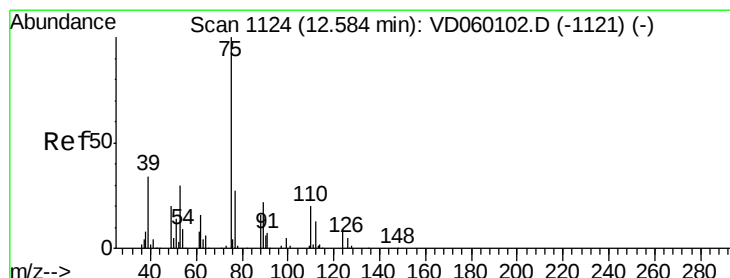
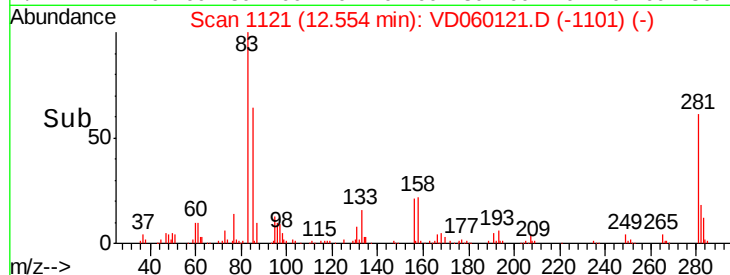
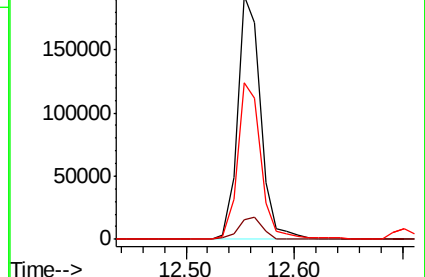
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.510 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060121.D

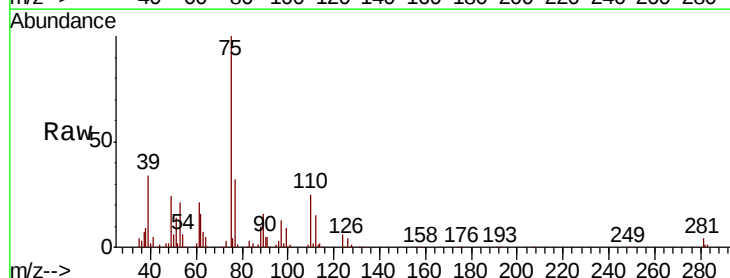
Acq: 3 Oct 2018 16:40

Tgt Ion: 75 Resp: 281914

Ion Ratio Lower Upper

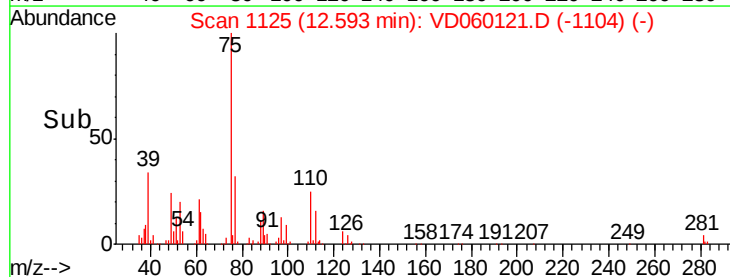
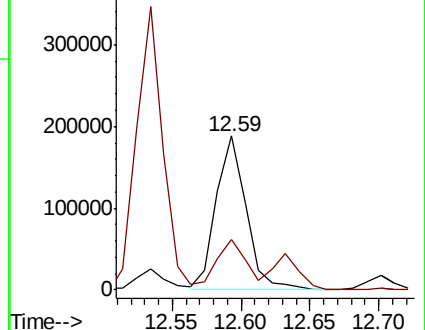
75 100

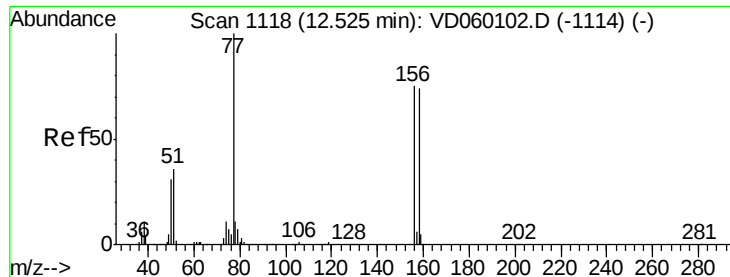
77 32.4 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.580 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

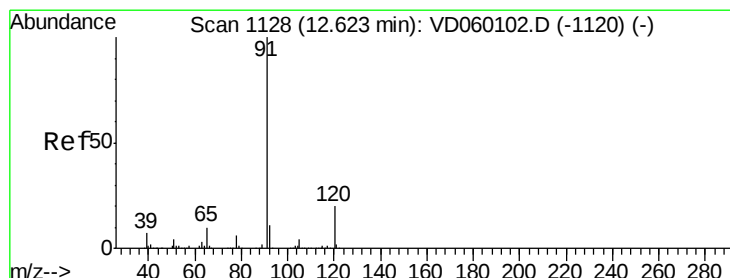
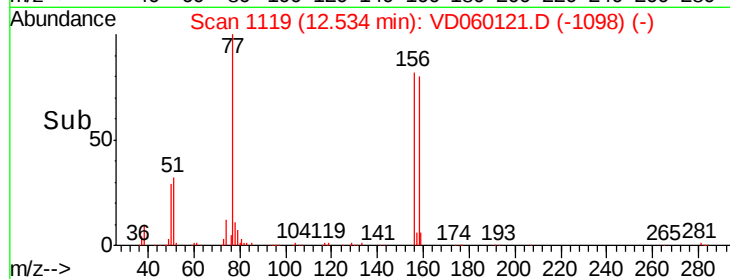
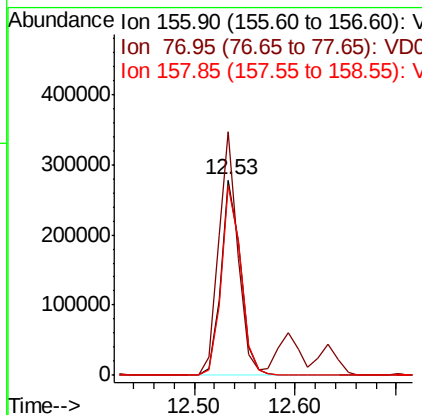
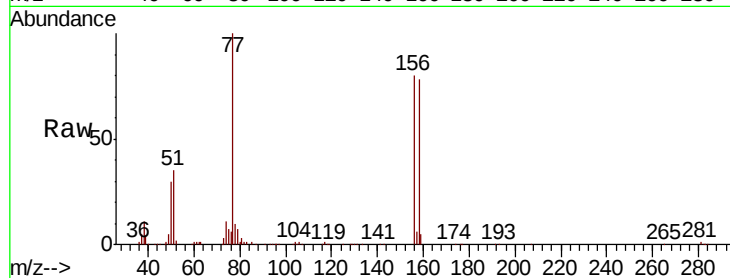
ClientSampleId :

VD1003SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	124.9	66.9	200.7		
158	97.5	49.1	147.4		

Manual Integrations
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#78

n-propylbenzene

Concen: 21.998 ug/l

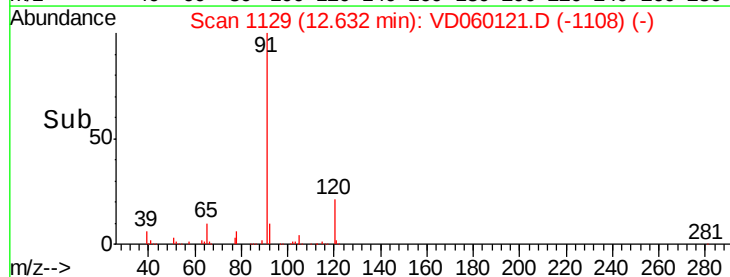
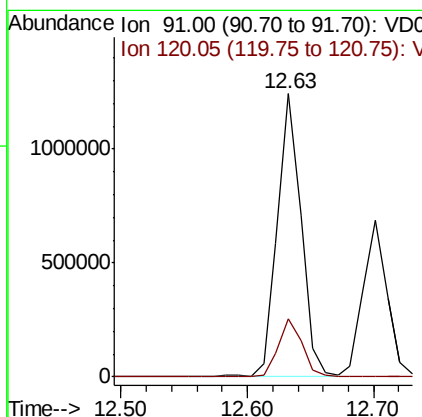
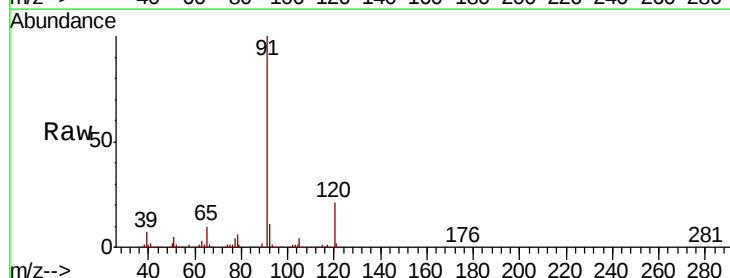
RT: 12.63 min Scan# 1129

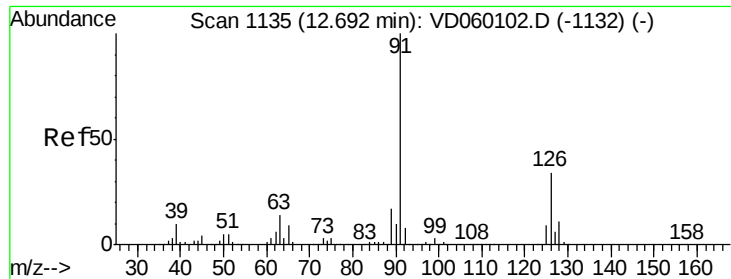
Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	20.7	10.0	30.0		





#79

2-Chlorotoluene

Concen: 21.689 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060121.D

Acq: 3 Oct 2018 16:40

Instrument :

MSVOA_D

ClientSampleId :

VD1003SBS01

Tot Ion: 91 Resp: 897441

Ion Ratio Lower Upper

91 100

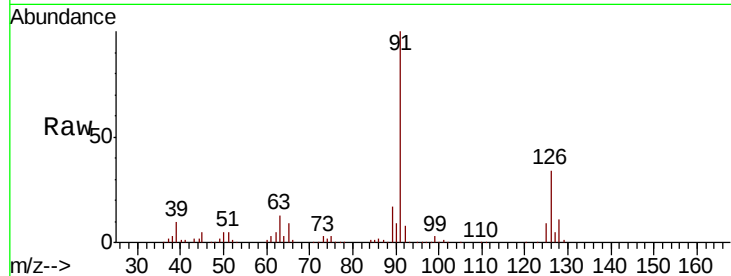
126 34.0 16.8 50.3

Manual Integrations

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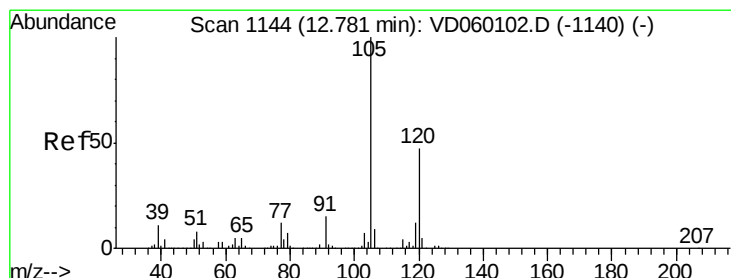
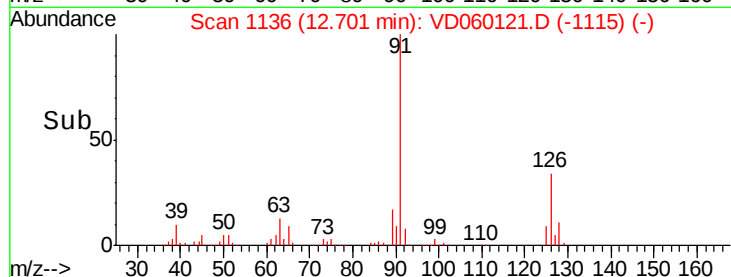
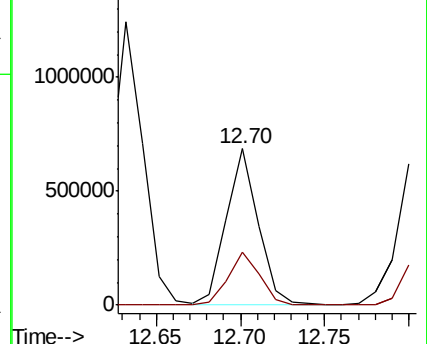
apatel

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.334 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060121.D

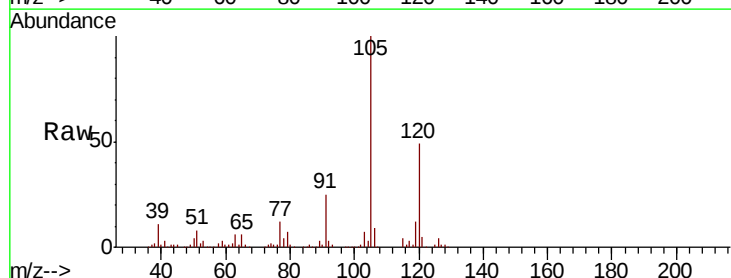
Acq: 3 Oct 2018 16:40

Tgt Ion:105 Resp: 1037847

Ion Ratio Lower Upper

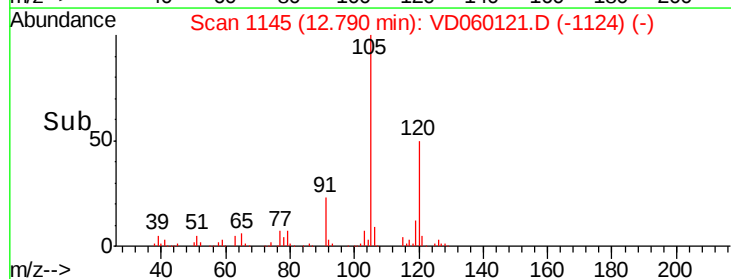
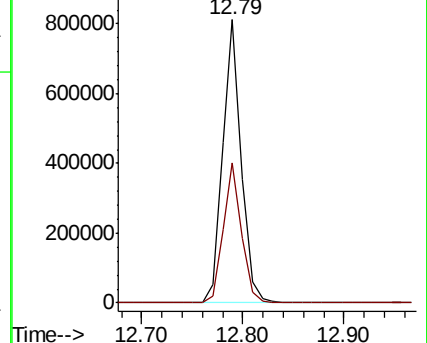
105 100

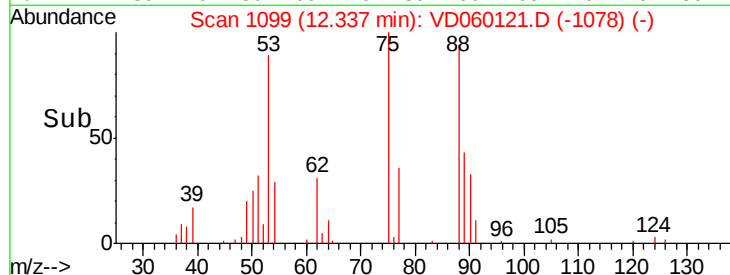
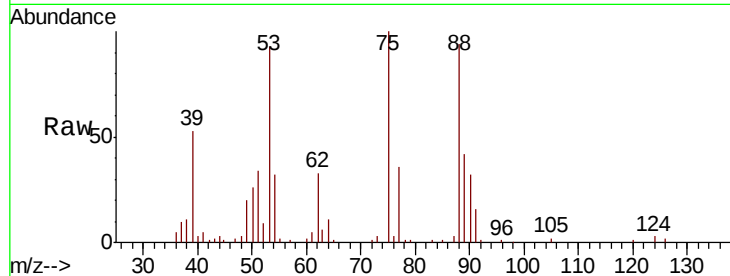
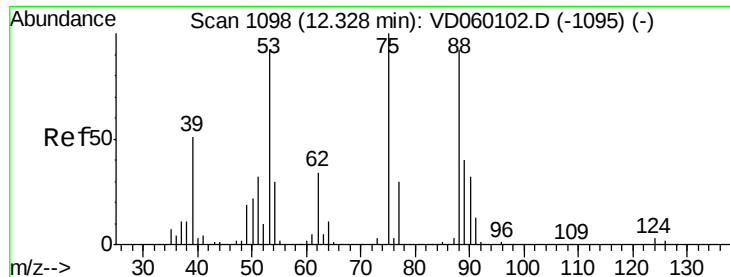
120 49.5 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





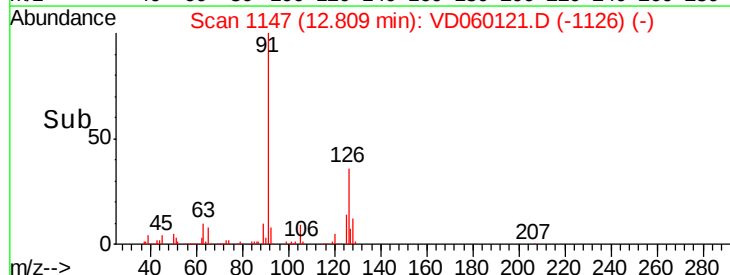
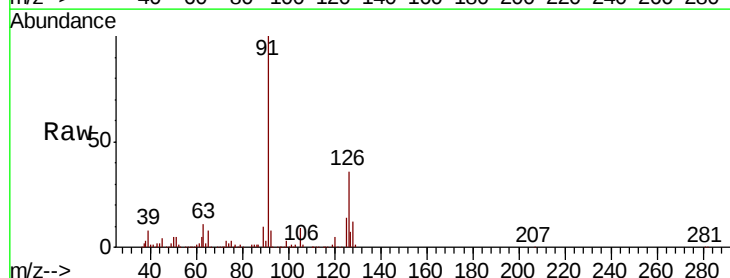
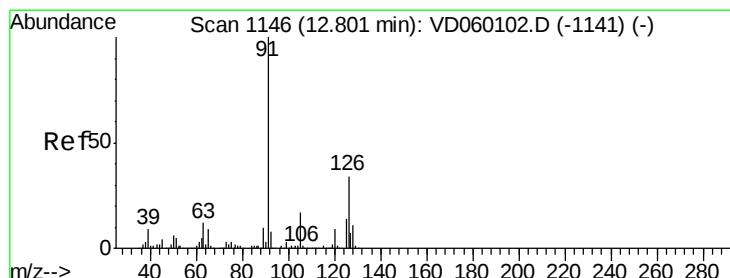
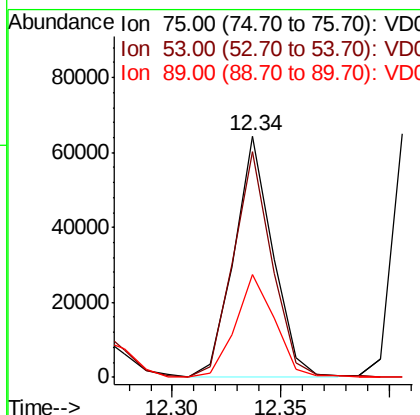
#81
trans-1,4-Dichloro-2-butene
Concen: 21.675 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tot Ion: 75 Resp: 79825
Ion Ratio Lower Upper
75 100
53 93.5 73.0 109.6
89 42.4 32.0 48.0

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

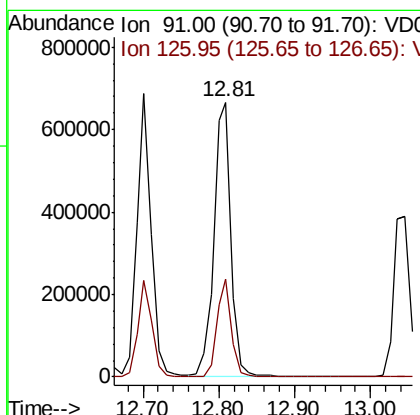
Manual Integrations
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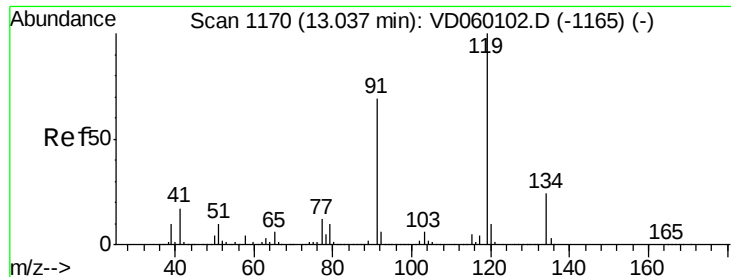
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#82
4-Chlorotoluene
Concen: 22.603 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 91 Resp: 1057846
Ion Ratio Lower Upper
91 100
126 35.7 17.1 51.2





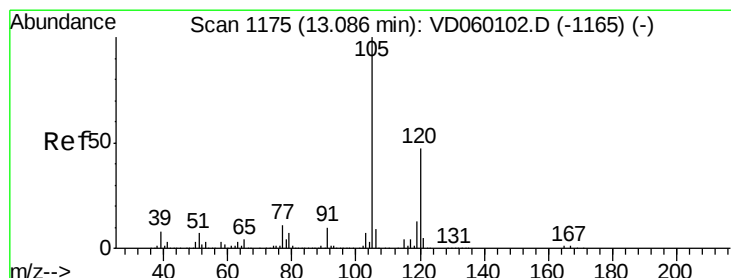
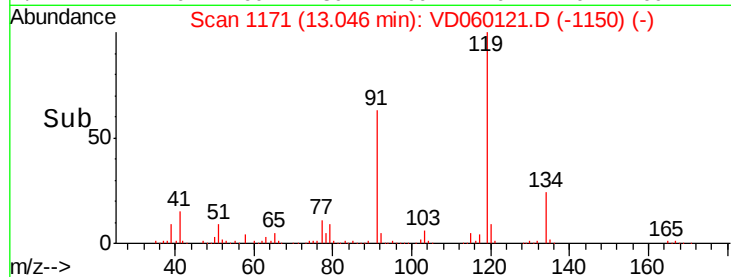
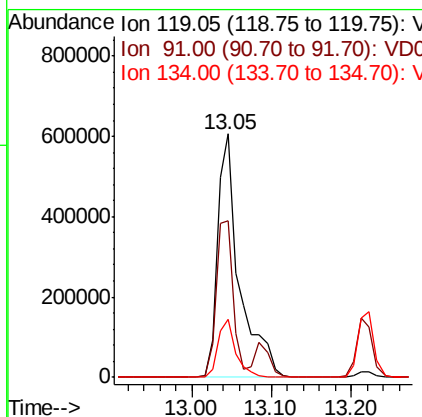
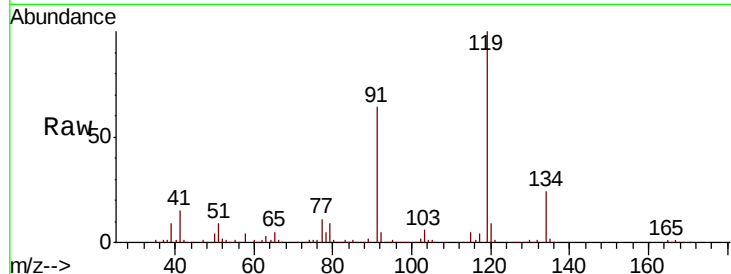
#83
 tert-Butylbenzene
 Concen: 21.763 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion:119 Resp: 1160522
 Ion Ratio Lower Upper
 119 100
 91 64.4 34.8 104.4
 134 24.0 11.8 35.4

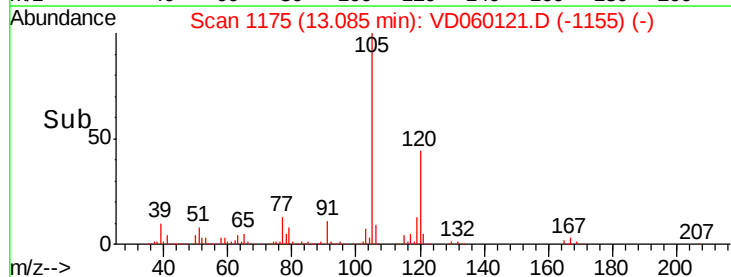
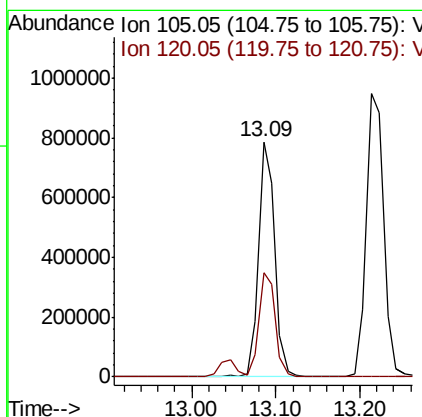
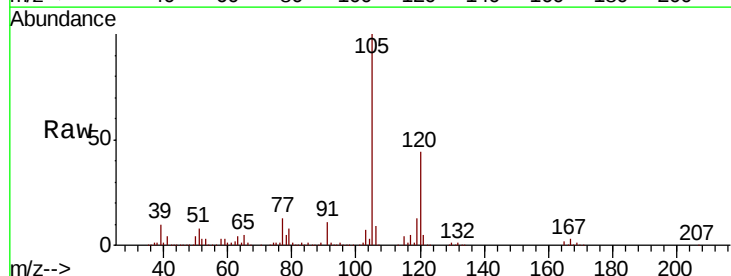
Manual Integrations
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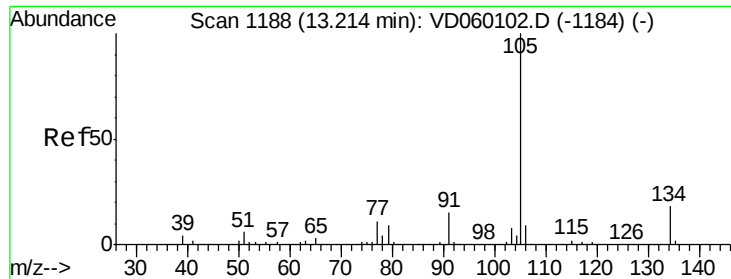
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.863 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion:105 Resp: 1070753
 Ion Ratio Lower Upper
 105 100
 120 44.2 23.4 70.0





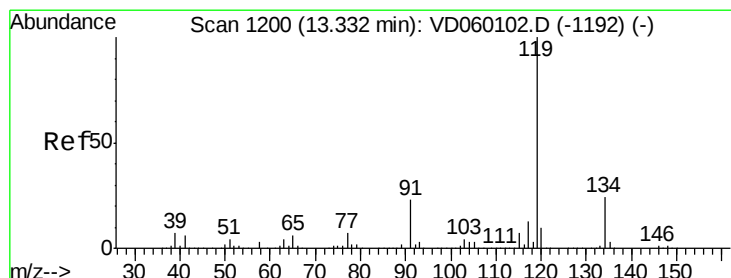
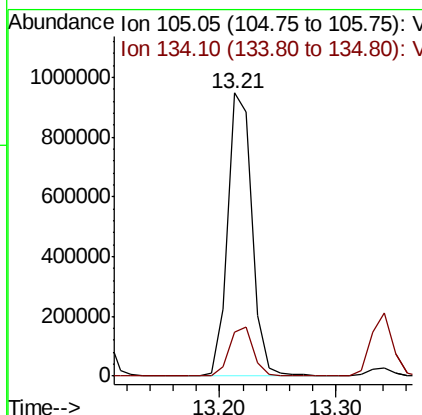
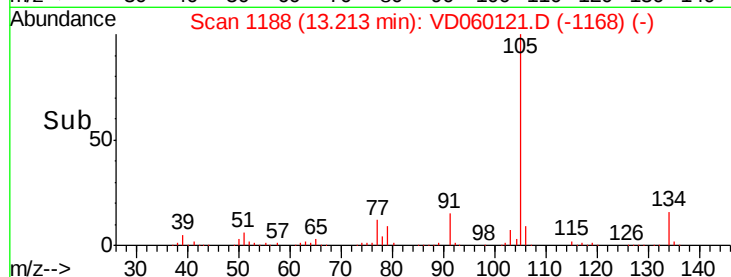
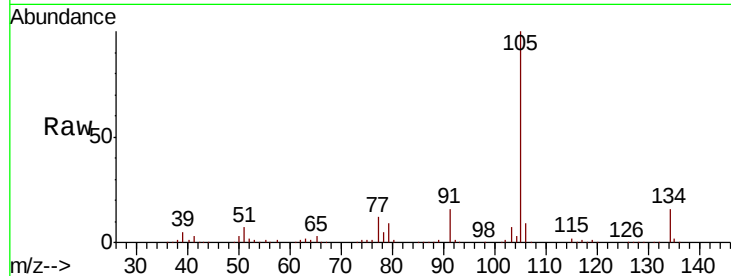
#85
 sec-Butylbenzene
 Concen: 21.666 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1003SBS01

Tot Ion:105 Resp: 1366030
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.8 26.2

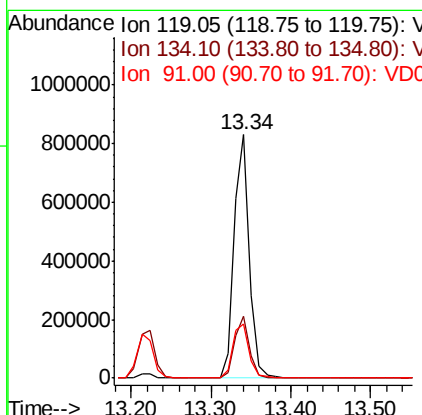
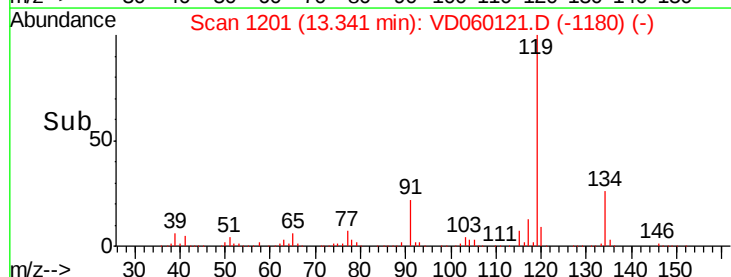
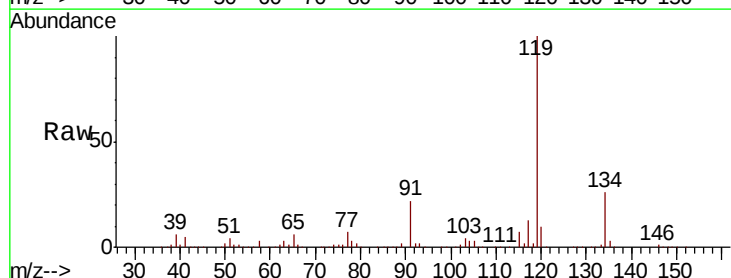
Manual Integrations
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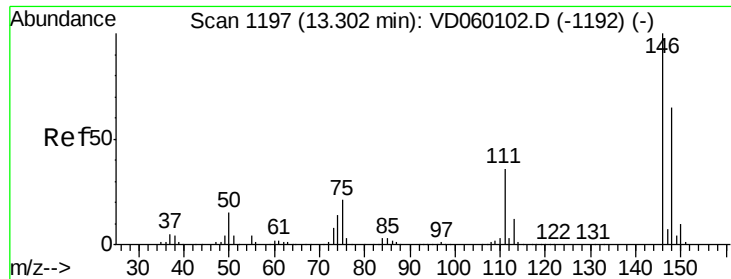
apatel
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#86
 p-Isopropyltoluene
 Concen: 21.472 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion:119 Resp: 1110383
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.3 36.8
 91 22.0 11.8 35.4





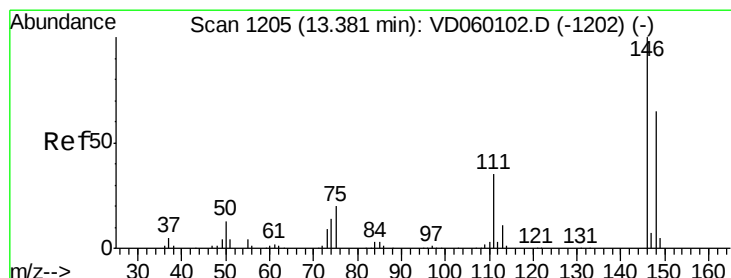
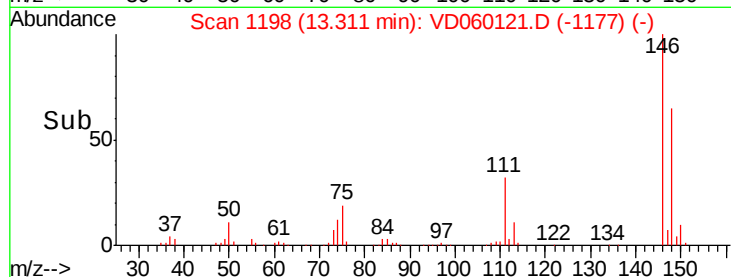
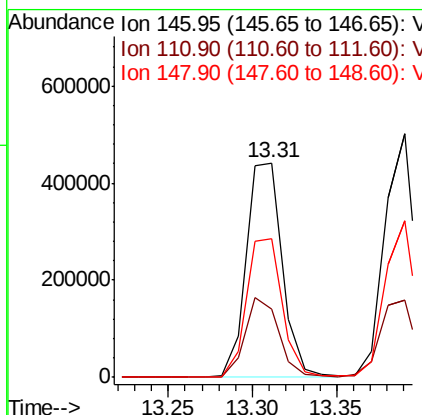
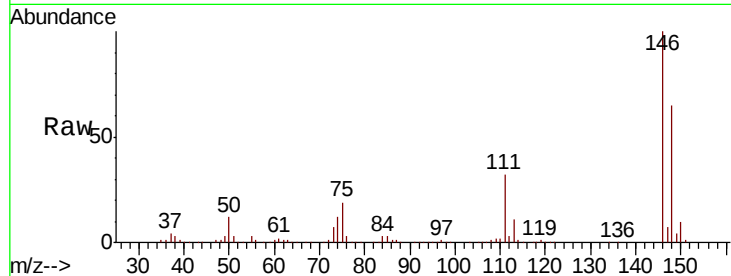
#87
 1,3-Dichlorobenzene
 Concen: 21.646 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	32.0	18.1	54.3
148	65.0	32.3	96.9

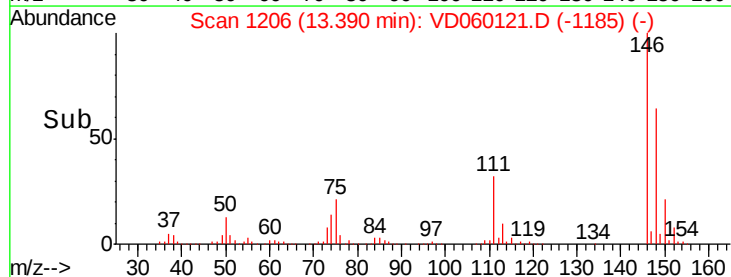
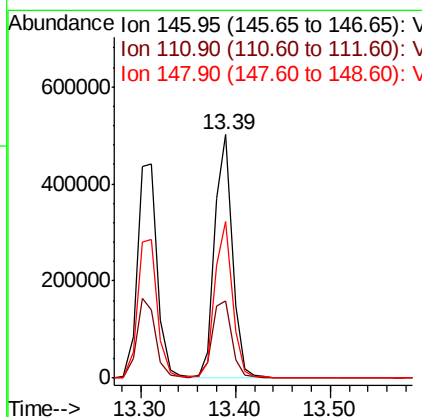
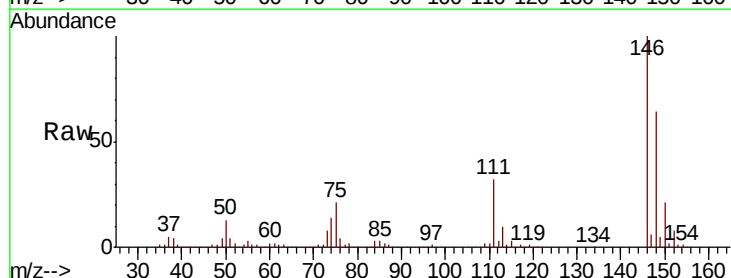
Manual Integrations
 APPROVED

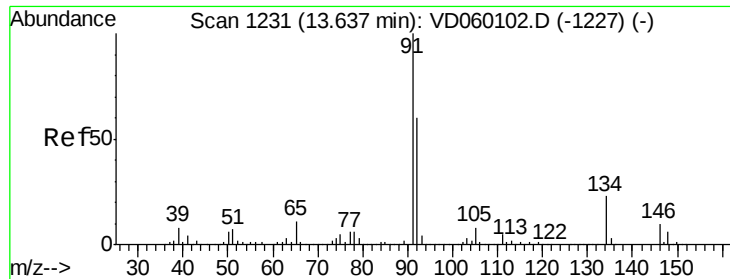
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#88
 1,4-Dichlorobenzene
 Concen: 21.441 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.6	17.8	53.3
148	64.4	32.4	97.2





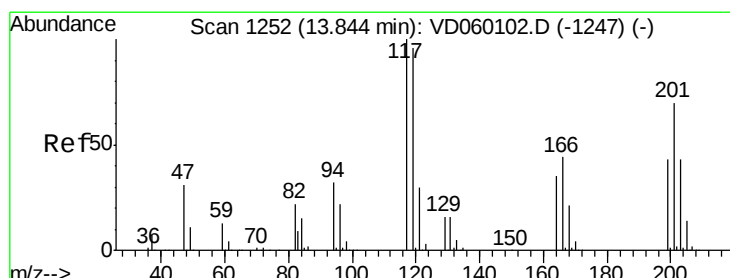
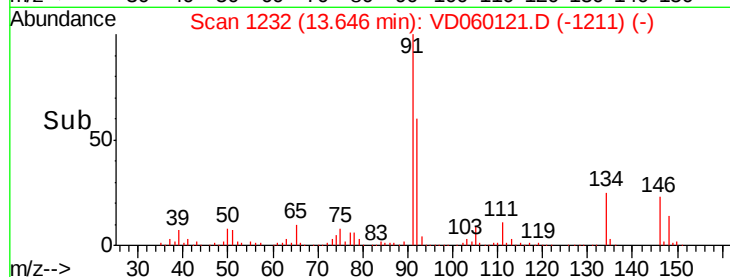
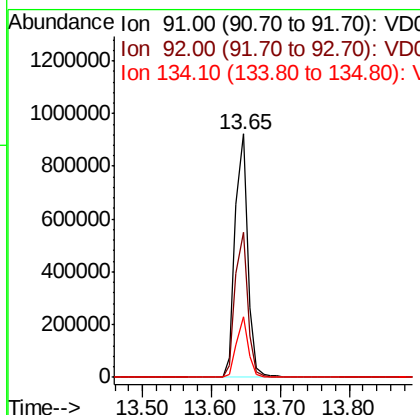
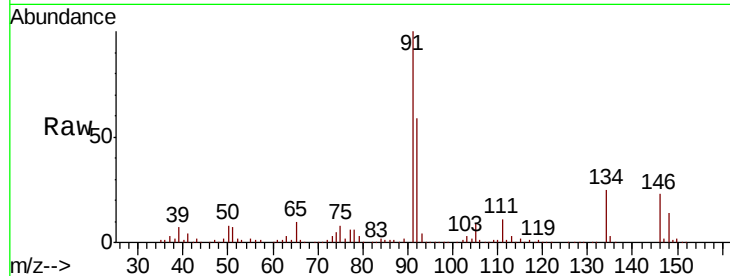
#89
n-Butylbenzene
Concen: 23.380 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBS01

Tot Ion: 91 Resp: 1179774
Ion Ratio Lower Upper
91 100
92 59.5 30.1 90.3
134 24.7 11.6 34.7

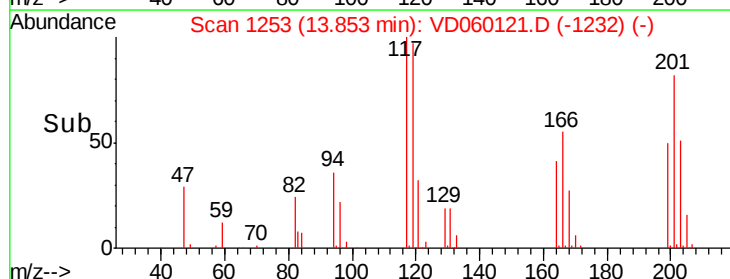
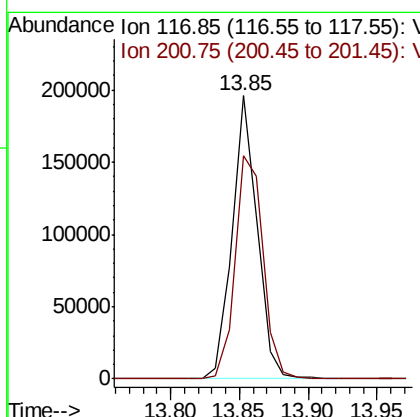
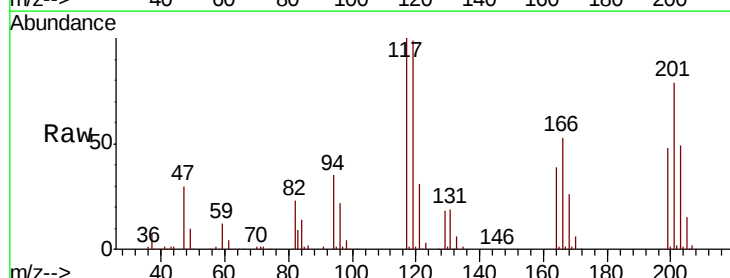
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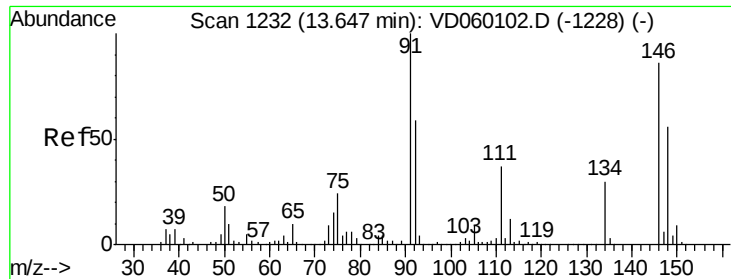
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#90
Hexachloroethane
Concen: 20.660 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion: 117 Resp: 247266
Ion Ratio Lower Upper
117 100
201 78.8 34.8 104.5





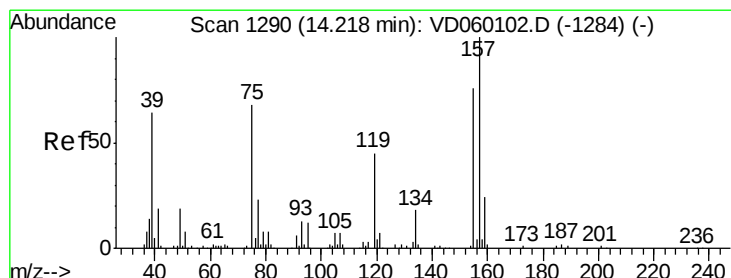
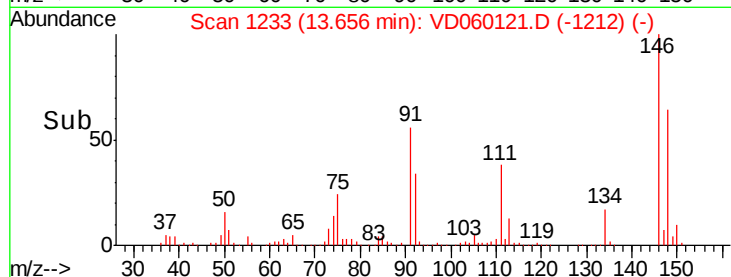
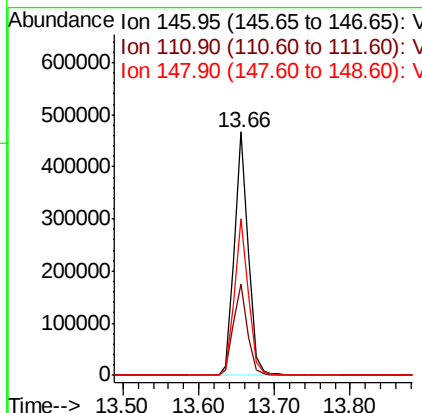
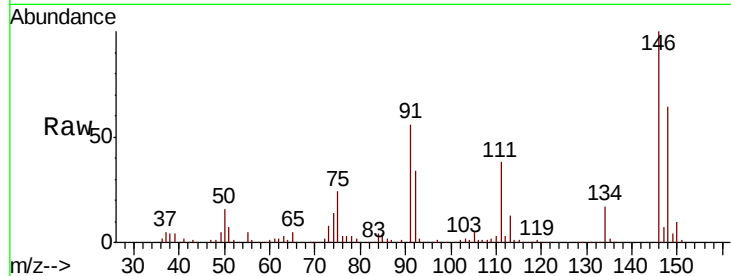
#91
 1,2-Dichlorobenzene
 Concen: 22.681 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	21.4	64.3
148	64.5	32.2	96.6

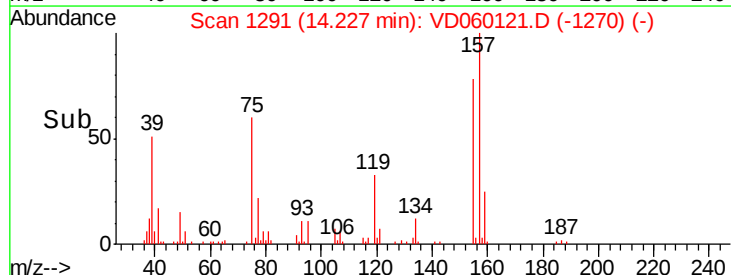
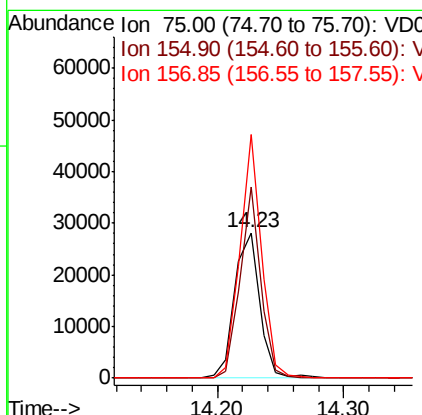
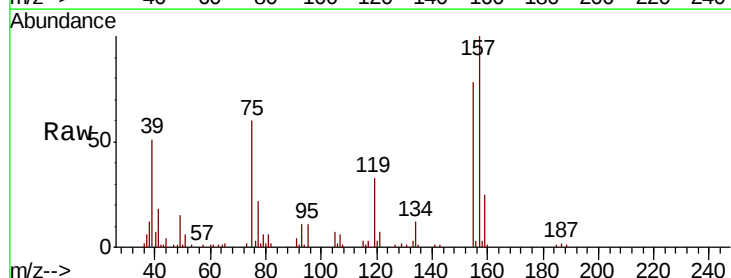
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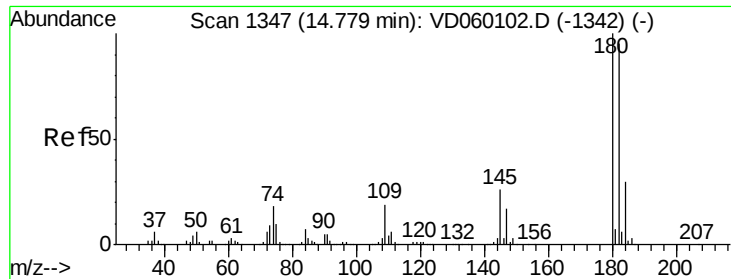
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.032 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	131.4	55.9	167.7
157	167.9	73.3	219.8





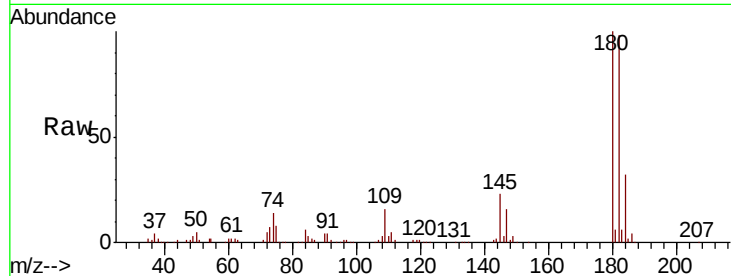
#93
 1,2,4-Trichlorobenzene
 Concen: 21.806 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1003SBS01

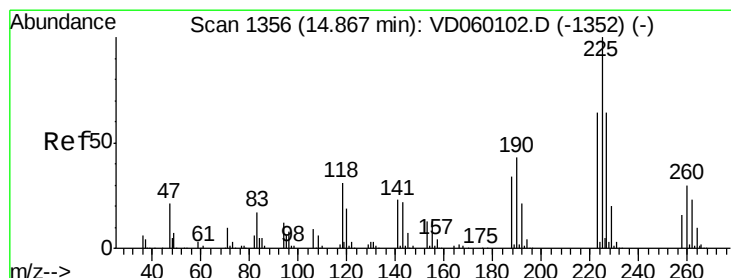
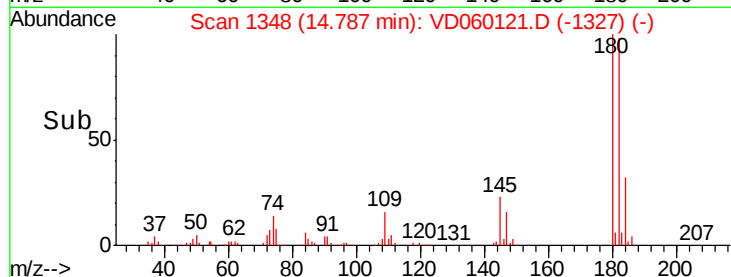
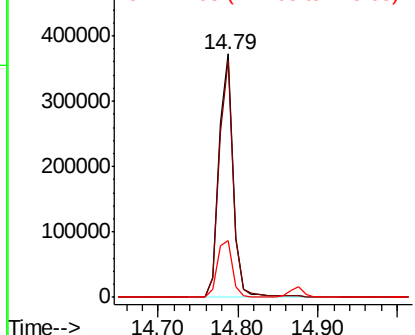
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.3	141.8
145	23.1	13.0	38.9

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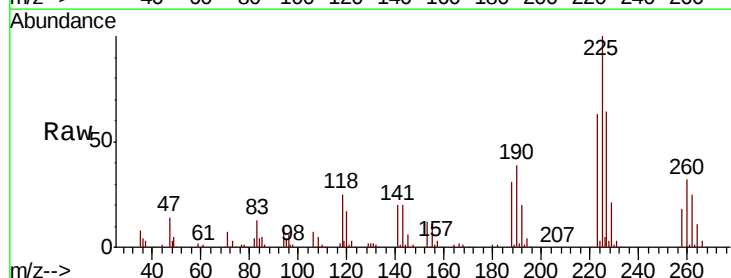


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

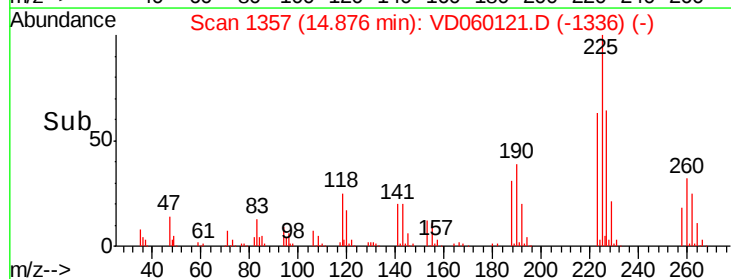
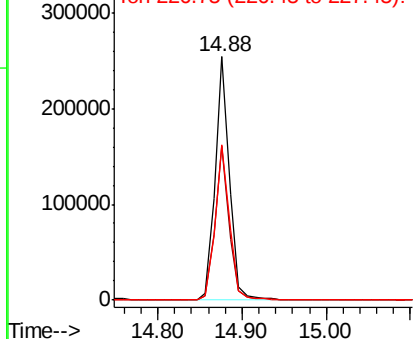


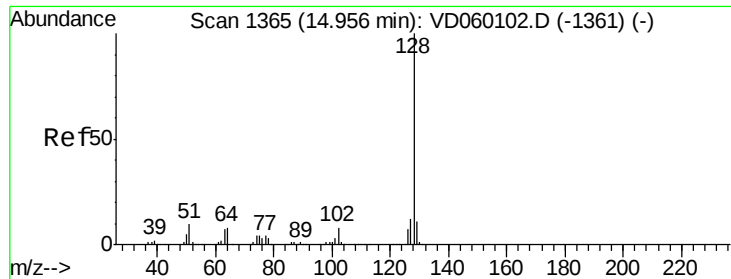
#94
 Hexachlorobutadiene
 Concen: 20.831 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060121.D
 Acq: 3 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.4
227	63.5	32.0	96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





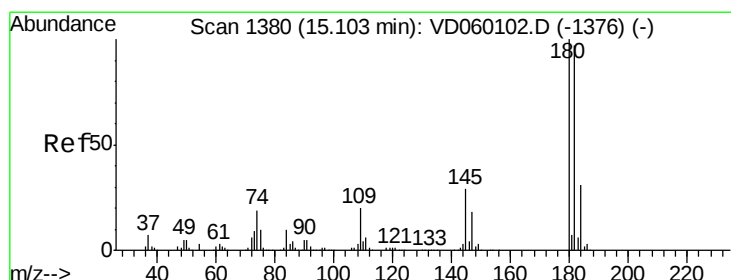
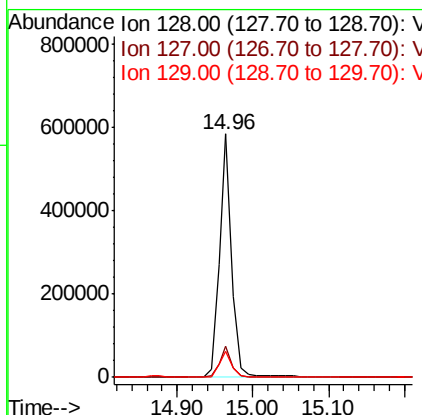
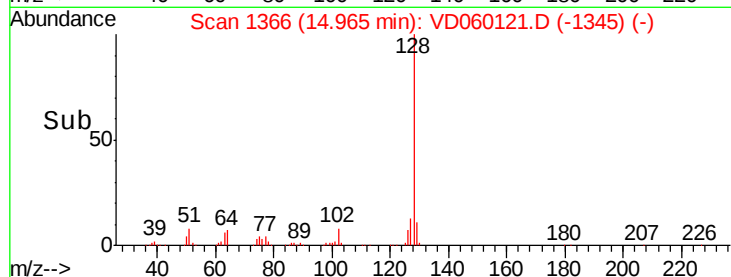
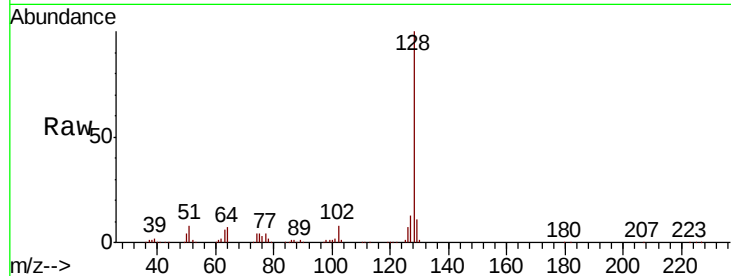
#95
Naphthalene
Concen: 20.826 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Instrument :
MSVOA_D
ClientSampleId :
VD1003SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	669716		
127	12.6		9.9	14.9
129	10.7		8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 21.395 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060121.D
Acq: 3 Oct 2018 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	403764		
182	95.2		48.4	145.0
145	24.7		14.5	43.6

