

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060177.D
 Acq On : 24 Oct 2018 13:01
 Operator : JC/SY
 Sample : VD1024SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Manual Integrations
 APPROVED

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 10/25/2018 4:48:58 PM

Quant Time: Oct 25 03:52:44 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	6.40	168	1724634	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2399705	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1980944	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	1005971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	632320	48.37	ug/l	0.03
Spiked Amount	50.000		Recovery	=	96.74%	
35) Dibromofluoromethane	6.32	113	890013	48.84	ug/l	0.03
Spiked Amount	50.000		Recovery	=	97.68%	
50) Toluene-d8	9.45	98	2414381	46.46	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.92%	
62) 4-Bromofluorobenzene	12.43	95	915542	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.59	85	304196	18.751	ug/l	99
3) Chloromethane	1.76	50	325463	22.248	ug/l	100
4) Vinyl Chloride	1.86	62	258767	21.615	ug/l	97
5) Bromomethane	2.14	94	25053	16.666	ug/l	95
6) Chloroethane	2.24	64	55193	16.894	ug/l	97
7) Trichlorofluoromethane	2.51	101	298261	20.807	ug/l	99
8) Diethyl Ether	2.83	74	69489	23.574	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.09	101	206803	23.158	ug/l	98
10) Methyl Iodide	3.24	142	188227	19.876	ug/l	98
11) Tert butyl alcohol	3.97	59	89918	95.905	ug/l	98
12) 1,1-Dichloroethene	3.07	96	165000	23.453	ug/l	96
13) Acrolein	2.99	56	48157	83.321	ug/l	96
14) Allyl chloride	3.54	41	331582	22.693	ug/l	97
15) Acrylonitrile	4.09	53	418160	107.753	ug/l	97
16) Acetone	3.17	43	306324	129.134	ug/l	100
17) Carbon Disulfide	3.31	76	511252	21.610	ug/l	100
18) Methyl Acetate	3.56	43	120296	23.594	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	667532	21.581	ug/l	99
20) Methylene Chloride	3.72	84	498219	24.489	ug/l	97
21) trans-1,2-Dichloroethene	4.10	96	372883	20.522	ug/l	98
22) Diisopropyl ether	4.86	45	1390085	21.303	ug/l	95
23) Vinyl Acetate	4.80	43	4052969	110.496	ug/l	99
24) 1,1-Dichloroethane	4.76	63	624795	21.117	ug/l	99
25) 2-Butanone	5.62	43	691940	116.760	ug/l	96
26) 2,2-Dichloropropane	5.59	77	512992	22.871	ug/l	96
27) cis-1,2-Dichloroethene	5.60	96	405414	21.060	ug/l	94
28) Bromochloromethane	5.92	49	314331	21.863	ug/l	97
29) Tetrahydrofuran	5.95	42	357611	103.889	ug/l	99
30) Chloroform	6.10	83	629673	21.039	ug/l	100
31) Cyclohexane	6.36	56	587217	20.733	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	536734	21.890	ug/l	99
36) 1,1-Dichloropropene	6.52	75	471389	20.557	ug/l	97
37) Ethyl Acetate	5.69	43	319154	20.968	ug/l	99
38) Carbon Tetrachloride	6.50	117	443754	21.321	ug/l	99

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 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)
39) Methylcyclohexane	8.04	83	531784	20.410	ug/l	95
40) Benzene	6.80	78	1210773	20.182	ug/l	99
41) Methacrylonitrile	5.93	41	162205m	18.854	ug/l	
42) 1,2-Dichloroethane	6.89	62	356948	20.753	ug/l	100
43) Isopropyl Acetate	8.35	43	408938	20.422	ug/l #	98
44) Trichloroethene	7.74	130	376577	20.278	ug/l	100
45) 1,2-Dichloropropane	8.11	63	322681	20.542	ug/l	96
46) Dibromomethane	8.21	93	207417	20.395	ug/l	95
47) Bromodichloromethane	8.49	83	448918	20.717	ug/l	99
48) Methyl methacrylate	8.24	41	239595	21.005	ug/l	97
49) 1,4-Dioxane	8.23	88	45337	403.965	ug/l	98
51) 4-Methyl-2-Pentanone	9.34	43	1325570	104.952	ug/l	98
52) Toluene	9.55	92	807859	20.909	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	420894	21.466	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	499045	20.611	ug/l	94
55) 1,1,2-Trichloroethane	10.18	97	263444	20.857	ug/l	98
56) Ethyl methacrylate	10.03	69	291426	20.902	ug/l	99
57) 1,3-Dichloropropane	10.38	76	402876	20.914	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.92	63	862438	111.390	ug/l	97
59) 2-Hexanone	10.49	43	1061831	116.914	ug/l	99
60) Dibromochloromethane	10.63	129	325258	20.988	ug/l	96
61) 1,2-Dibromoethane	10.76	107	274690	20.468	ug/l	96
64) Tetrachloroethene	10.25	164	348571	20.090	ug/l	99
65) Chlorobenzene	11.31	112	893655	20.853	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	311338	21.777	ug/l	99
67) Ethyl Benzene	11.43	91	1521010	21.906	ug/l	100
68) m/p-Xylenes	11.57	106	1129198	43.527	ug/l	97
69) o-Xylene	11.93	106	548602	21.379	ug/l	94
70) Styrene	11.95	104	927223	21.607	ug/l	98
71) Bromoform	12.12	173	230586	19.918	ug/l #	98
73) Isopropylbenzene	12.28	105	1432447	21.584	ug/l	99
74) N-amyl acetate	12.13	43	522482	21.493	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	313653	21.648	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	318794	22.005	ug/l	99
77) Bromobenzene	12.54	156	409701	21.244	ug/l	85
78) n-propylbenzene	12.64	91	1873779	22.738	ug/l	96
79) 2-Chlorotoluene	12.70	91	1026576	22.445	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1174322	22.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	89548	21.998	ug/l	93
82) 4-Chlorotoluene	12.81	91	1190848	23.020	ug/l	96
83) tert-Butylbenzene	13.05	119	1287034	21.835	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1197515	22.121	ug/l	98
85) sec-Butylbenzene	13.22	105	1567519	22.492	ug/l	99
86) p-Isopropyltoluene	13.34	119	1290626	22.578	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	722605	21.506	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	717293	21.253	ug/l	100
89) n-Butylbenzene	13.65	91	1248808	22.390	ug/l	99
90) Hexachloroethane	13.85	117	295672	22.350	ug/l	92
91) 1,2-Dichlorobenzene	13.66	146	622180	22.022	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	41365	21.382	ug/l	93

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ClientSampleId :
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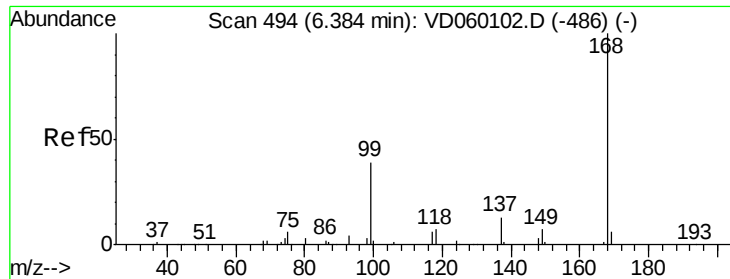
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	510466	21.287	ug/l	97
94) Hexachlorobutadiene	14.88	225	342671	21.498	ug/l	99
95) Naphthalene	14.96	128	746178	20.992	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	424397	20.345	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion:168 Resp: 1724634

Ion Ratio Lower Upper

168 100

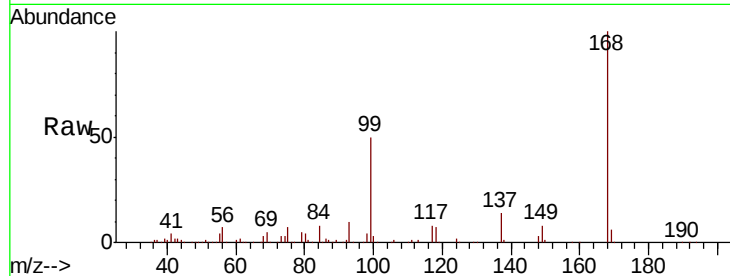
99 50.1 35.4 53.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.40

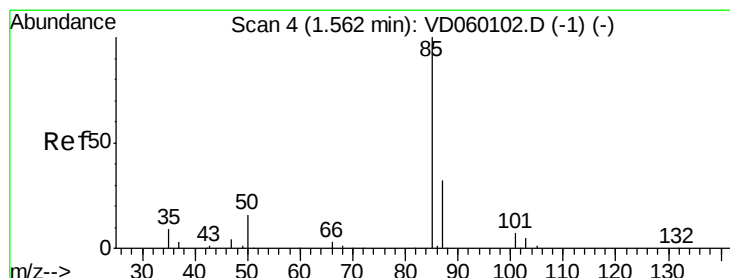
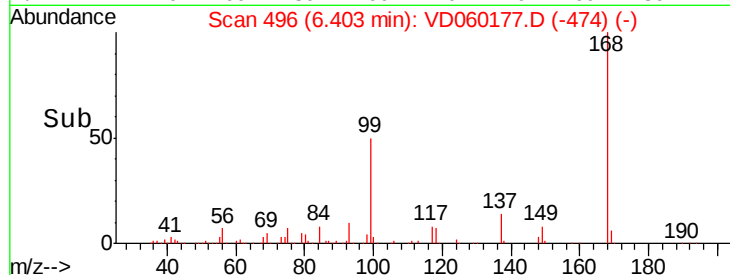
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400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.751 ug/l

RT: 1.59 min Scan# 7

Delta R.T. 0.03 min

Lab File: VD060177.D

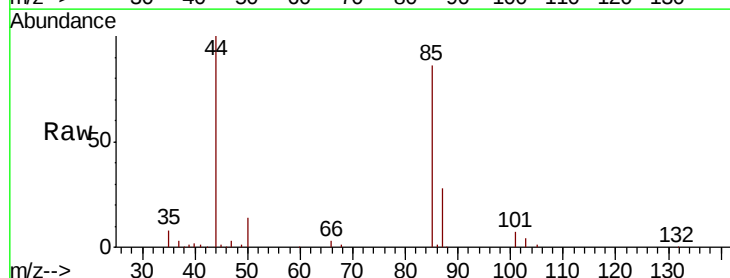
Acq: 24 Oct 2018 13:01

Tgt Ion: 85 Resp: 304196

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

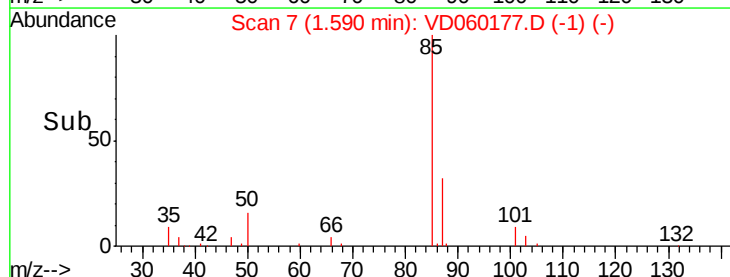
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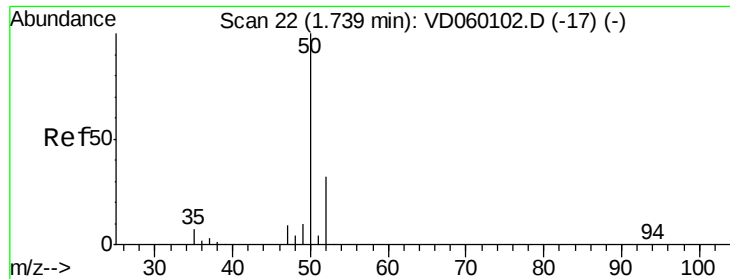
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50000

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Time-->





#3

Chloromethane

Concen: 22.248 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 50 Resp: 325463

Ion Ratio Lower Upper

50 100

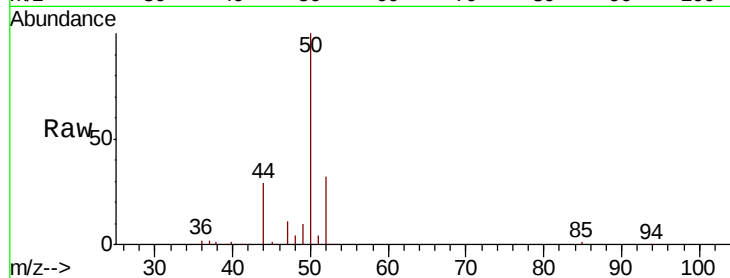
52 31.6 25.3 37.9

Manual Integrations

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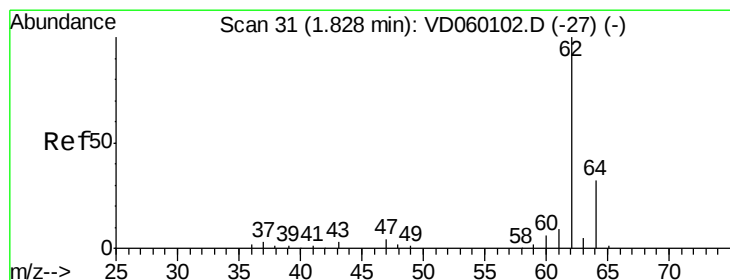
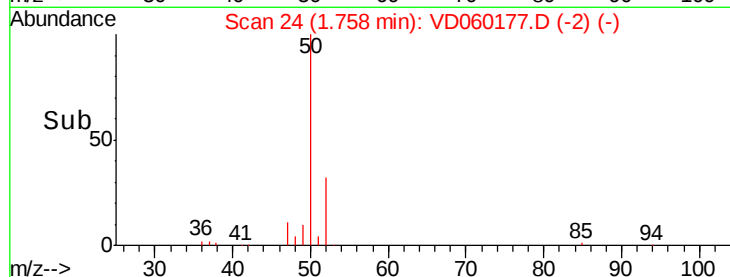
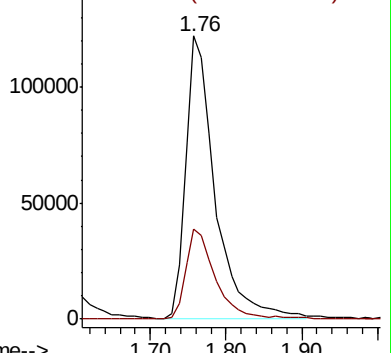
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.615 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060177.D

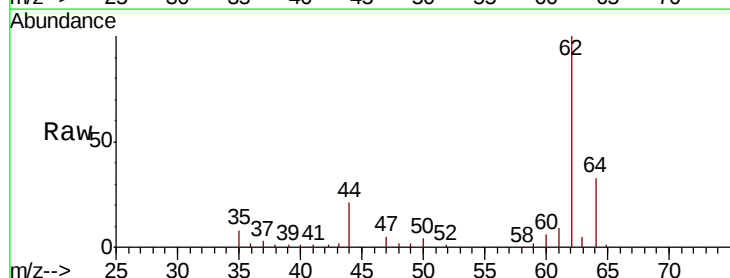
Acq: 24 Oct 2018 13:01

Tgt Ion: 62 Resp: 258767

Ion Ratio Lower Upper

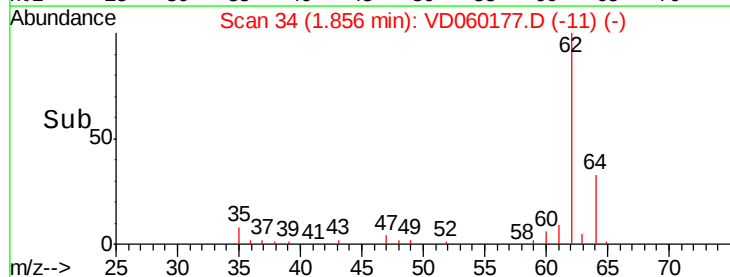
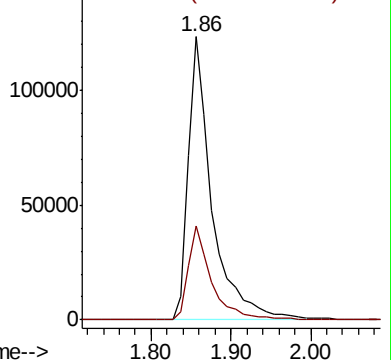
62 100

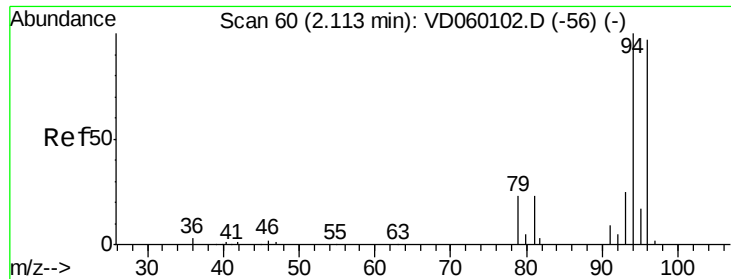
64 33.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.666 ug/l

RT: 2.14 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 94 Resp: 25053

Ion Ratio Lower Upper

94 100

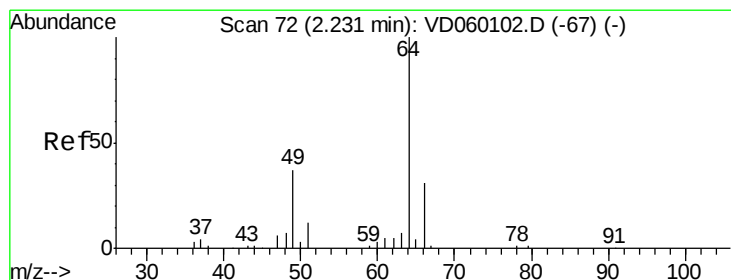
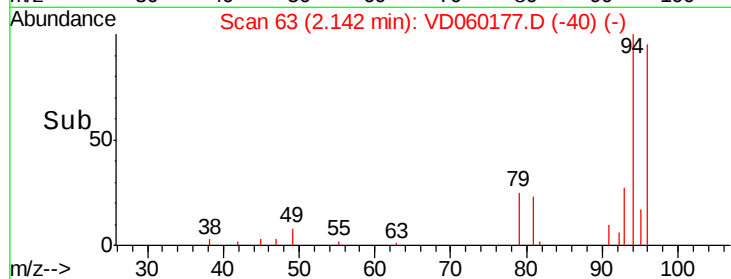
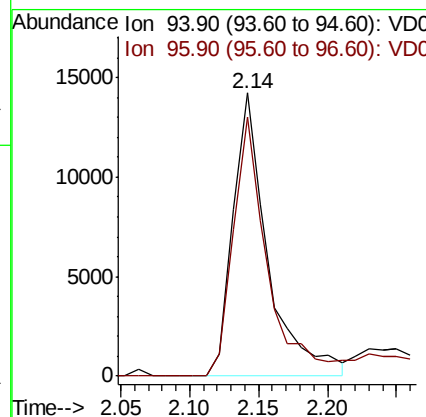
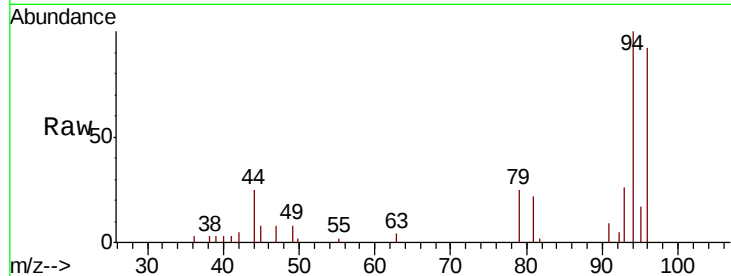
96 91.7 77.4 116.2

Manual Integrations

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#6

Chloroethane

Concen: 16.894 ug/l

RT: 2.24 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD060177.D

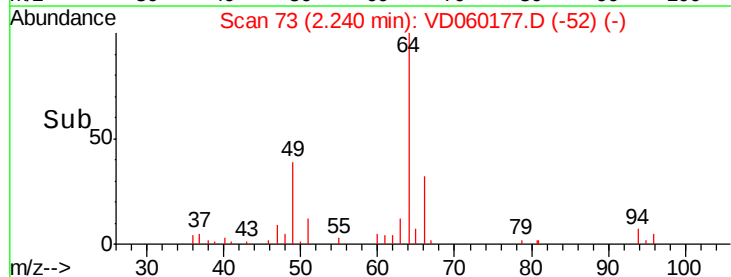
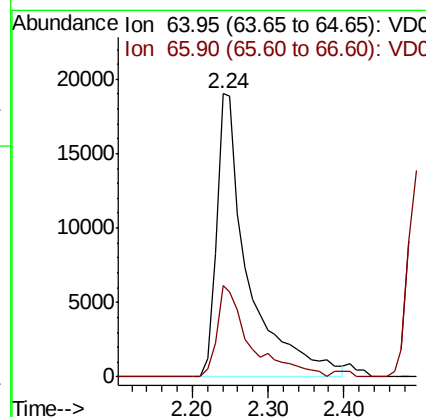
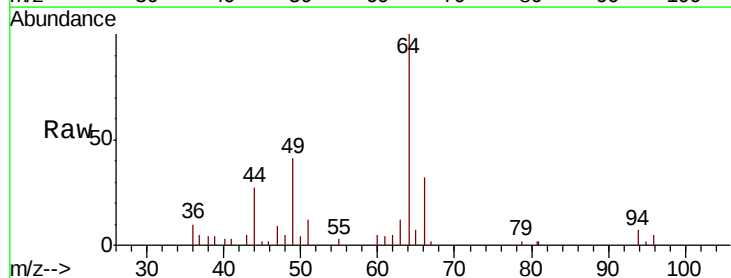
Acq: 24 Oct 2018 13:01

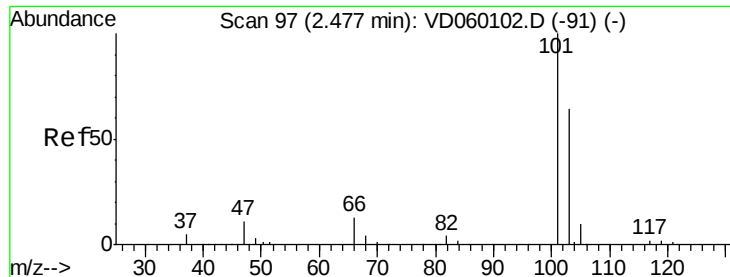
Tgt Ion: 64 Resp: 55193

Ion Ratio Lower Upper

64 100

66 32.3 24.6 37.0





#7

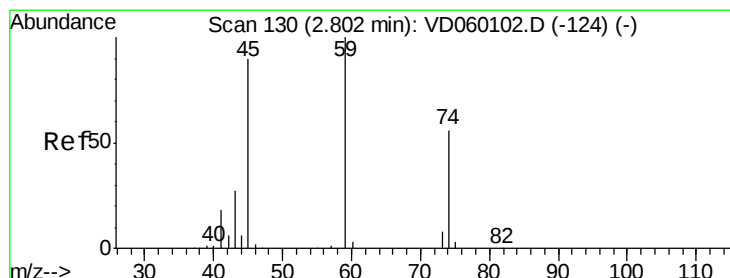
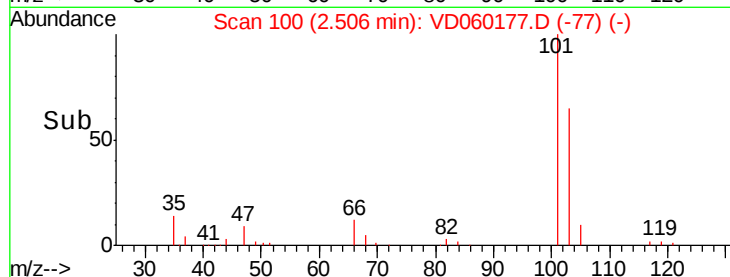
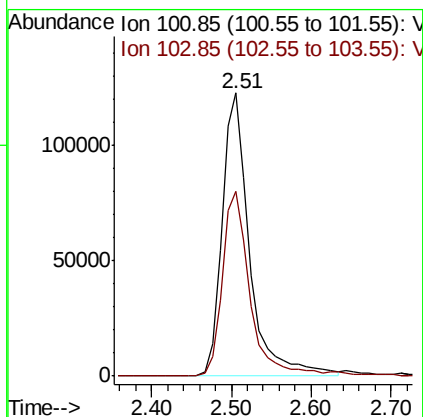
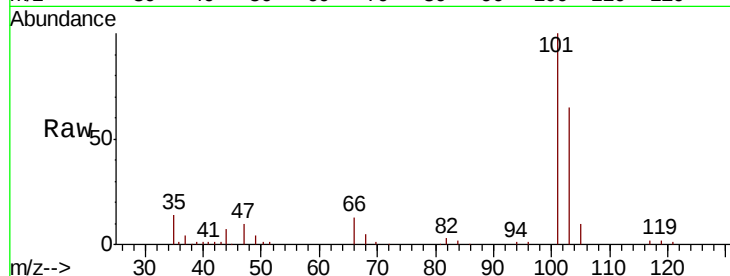
Trichlorofluoromethane
Concen: 20.807 ug/l
RT: 2.51 min Scan# 100
Delta R.T. 0.03 min
Lab File: VD060177.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	298261		
103	65.5	51.5	77.3	

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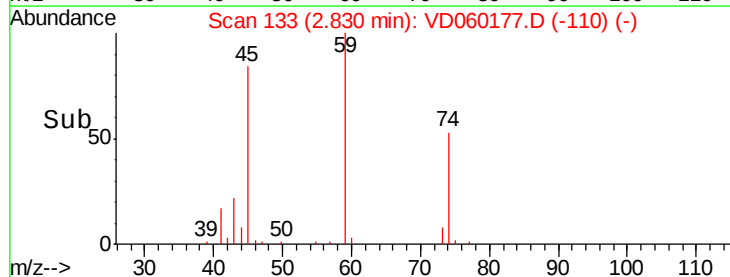
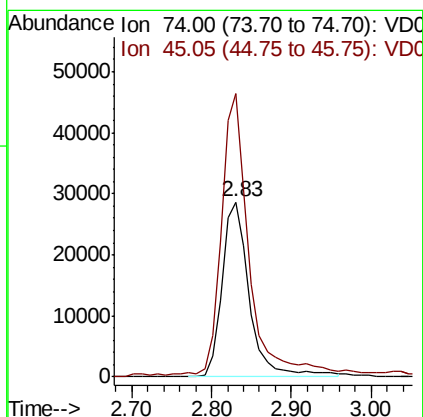
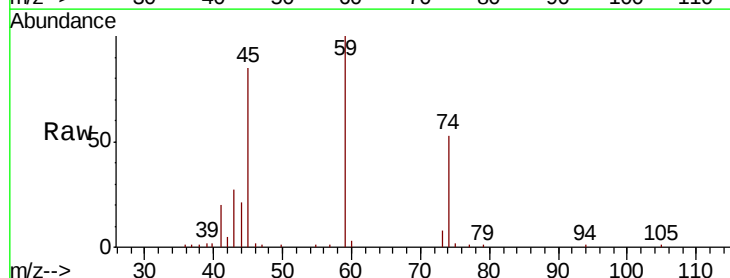
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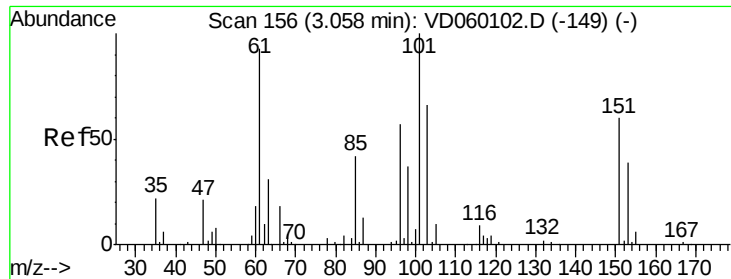


#8

Diethyl Ether
Concen: 23.574 ug/l
RT: 2.83 min Scan# 133
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	69489		
45	162.0	80.3	241.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.158 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

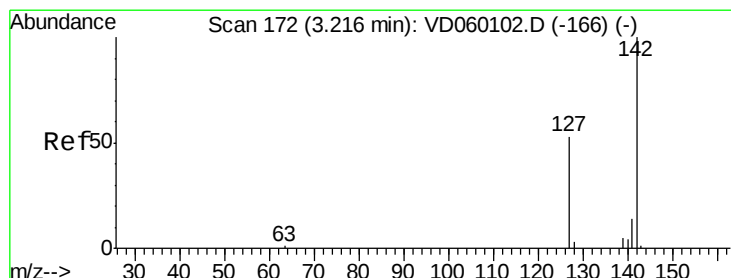
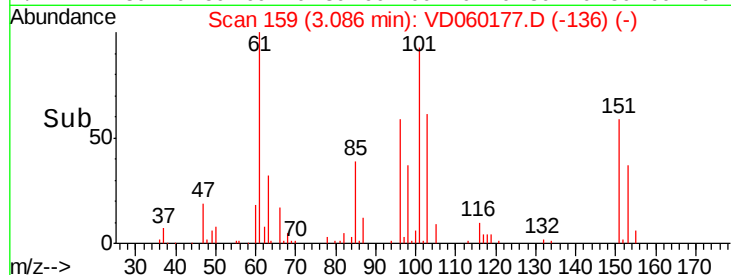
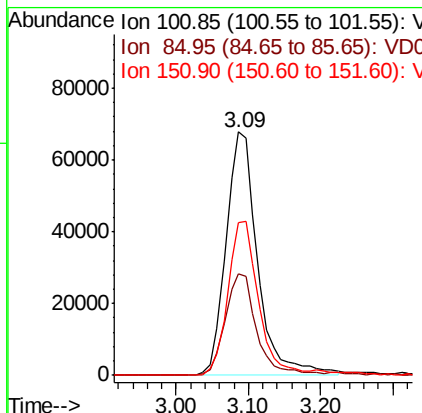
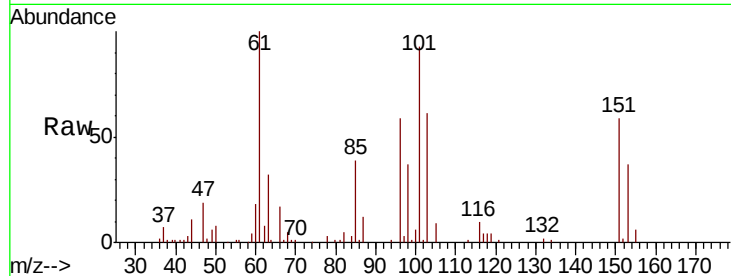
ClientSampleId :

VD1024SBS01

Tot Ion:	101	Resp:	206803
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.4	50.0
151	62.8	48.0	72.0

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#10

Methyl Iodide

Concen: 19.876 ug/l

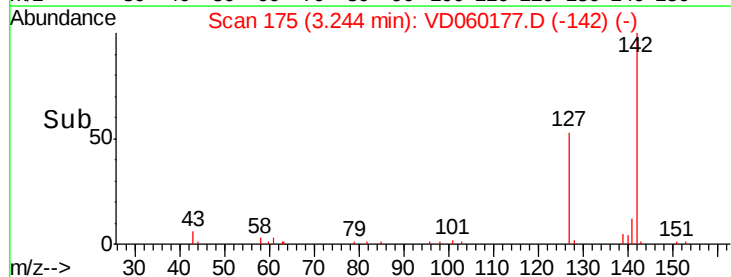
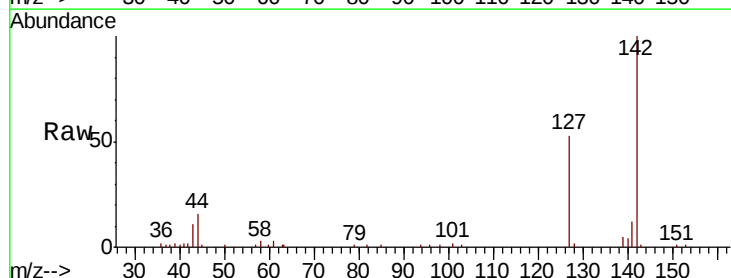
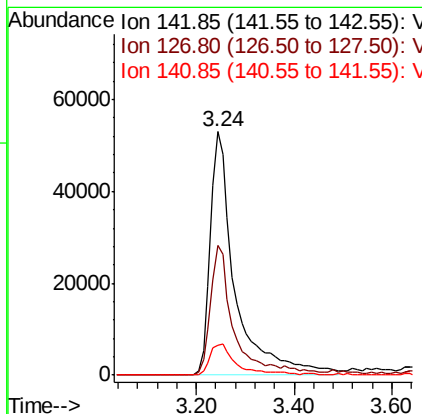
RT: 3.24 min Scan# 175

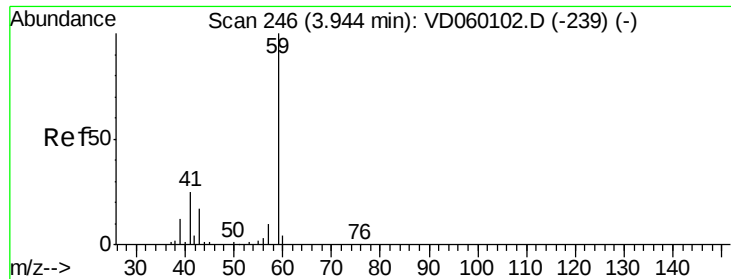
Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Tgt Ion:	142	Resp:	188227
Ion Ratio	Lower	Upper	
142	100		
127	53.2	42.0	63.0
141	12.4	11.4	17.0





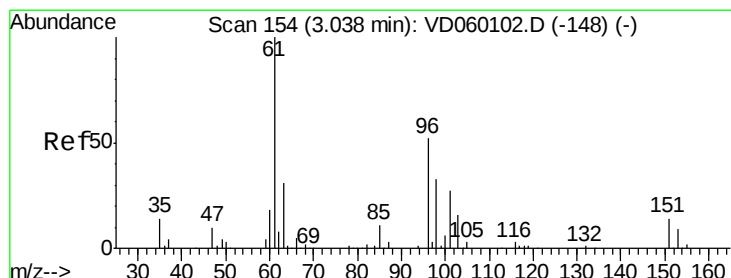
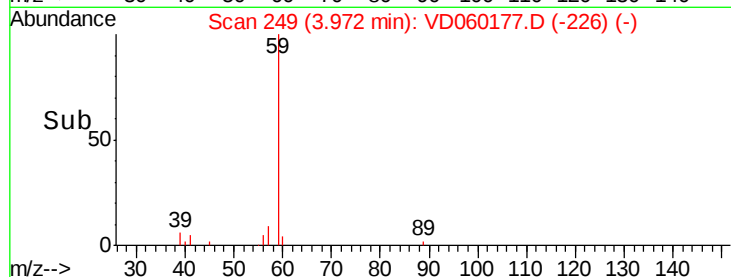
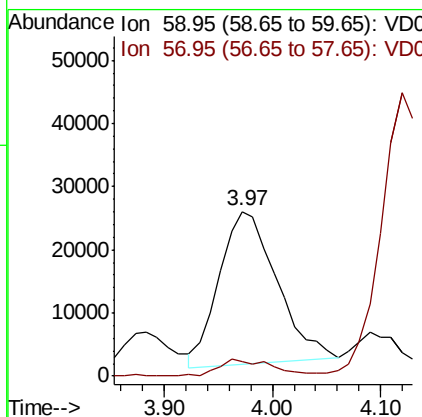
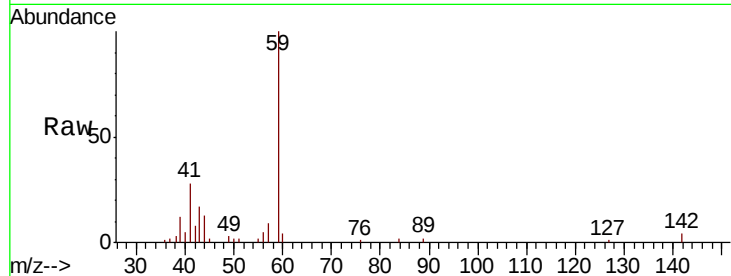
#11
Tert butyl alcohol
Concen: 95.905 ug/l
RT: 3.97 min Scan# 249
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.6

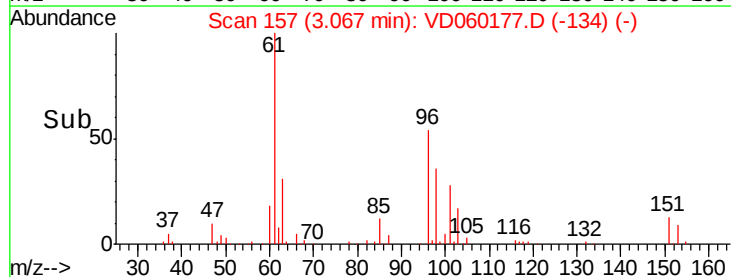
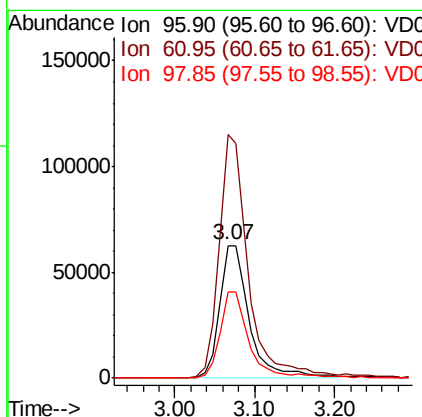
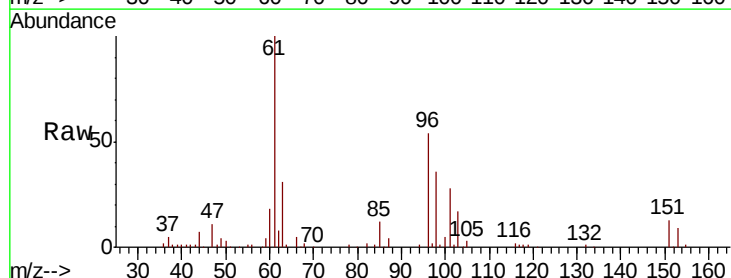
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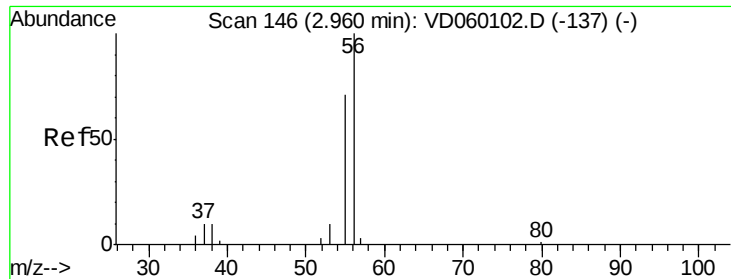
apatel
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#12
1,1-Dichloroethene
Concen: 23.453 ug/l
RT: 3.07 min Scan# 157
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.0	153.0	229.4
98	65.4	51.1	76.7





#13

Acrolein

Concen: 83.321 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 56 Resp: 48157

Ion Ratio Lower Upper

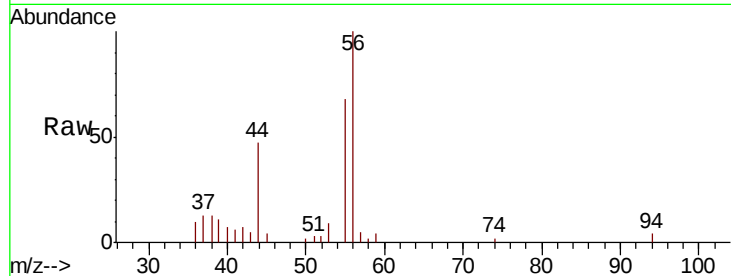
56 100

55 68.2 57.4 86.2

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

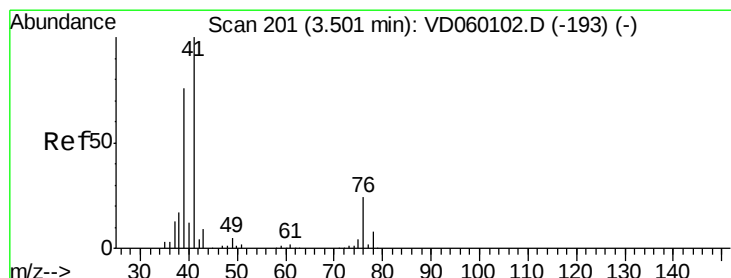
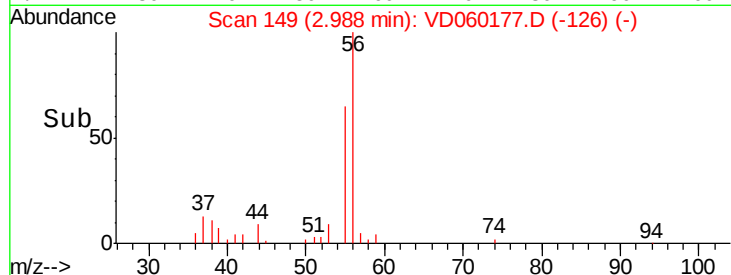
10000

5000

0

2.90 2.99 3.10 3.20

Time-->



#14

Allyl chloride

Concen: 22.693 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.04 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

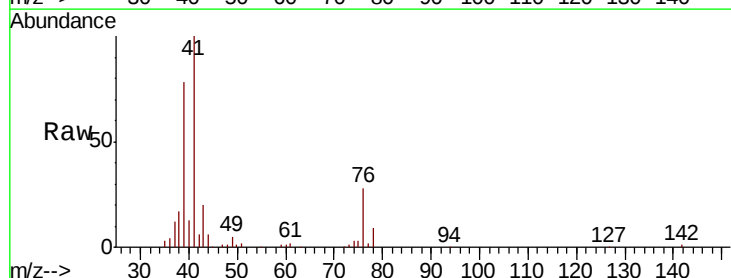
Tgt Ion: 41 Resp: 331582

Ion Ratio Lower Upper

41 100

39 78.1 60.6 90.8

76 27.7 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

150000

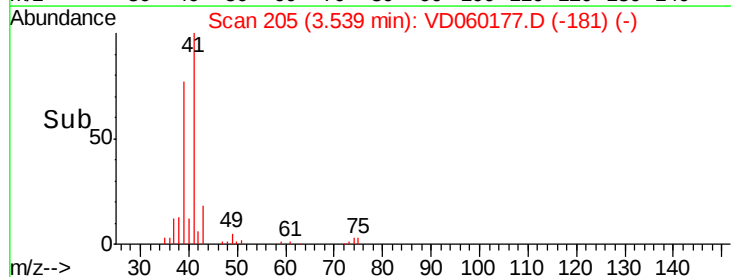
100000

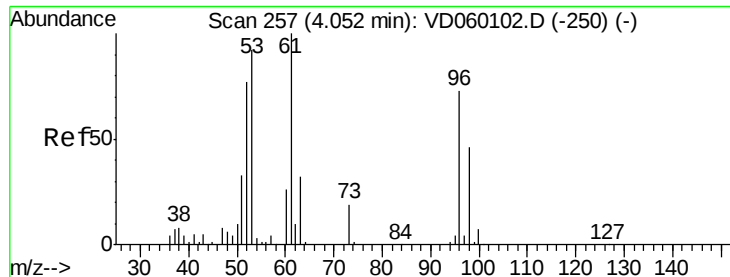
50000

0

3.40 3.54 3.60

Time-->





#15

Acrylonitrile

Concen: 107.753 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.04 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

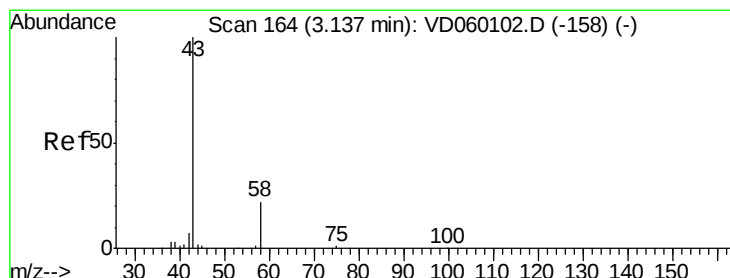
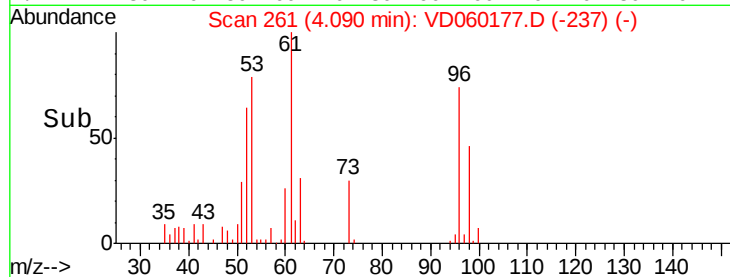
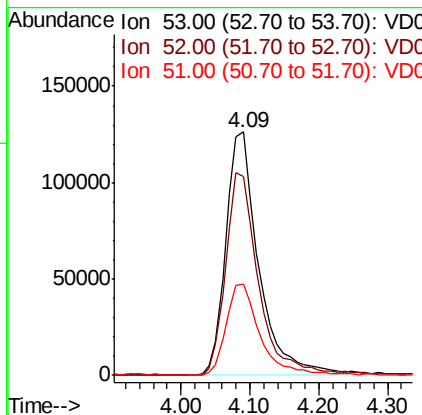
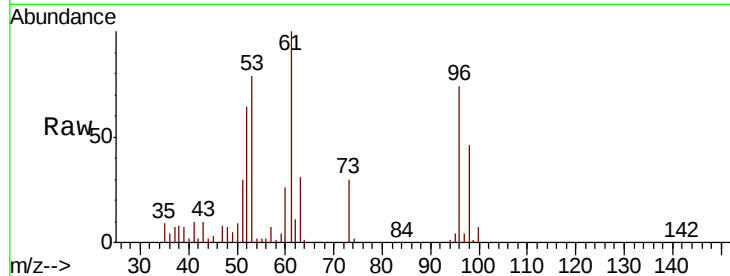
ClientSampleId :

VD1024SBS01

Tot Ion:	53	Resp:	418160
Ion	Ratio	Lower	Upper
53	100		
52	81.5	67.5	101.3
51	37.8	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 129.134 ug/l

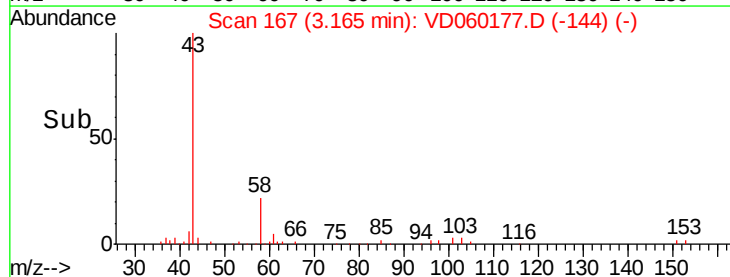
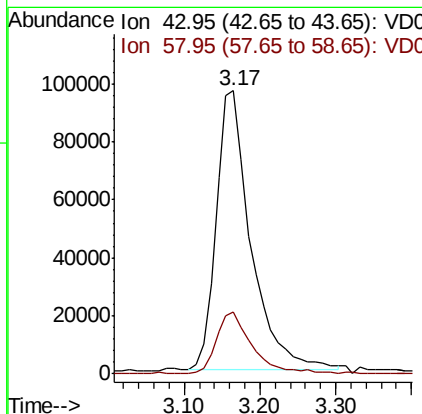
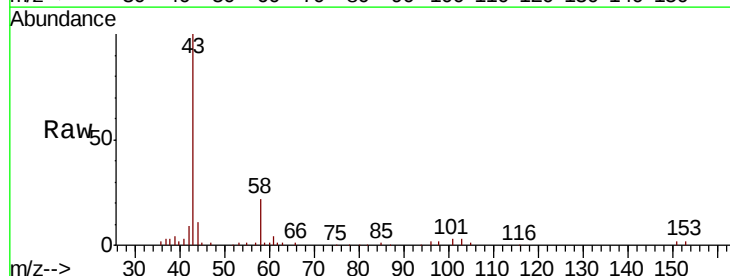
RT: 3.17 min Scan# 167

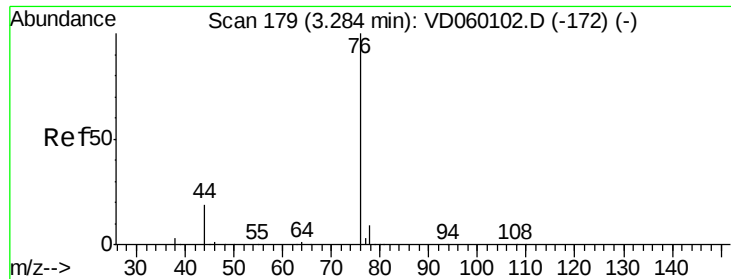
Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Tgt Ion:	43	Resp:	306324
Ion	Ratio	Lower	Upper
43	100		
58	22.0	17.7	26.5





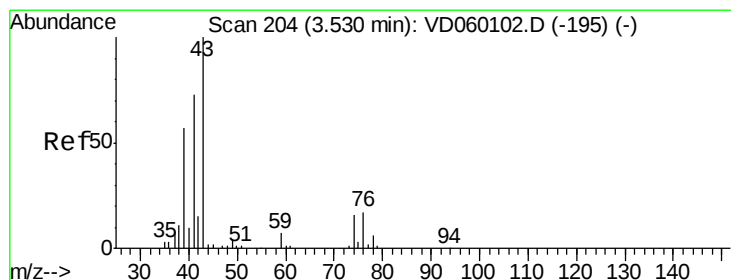
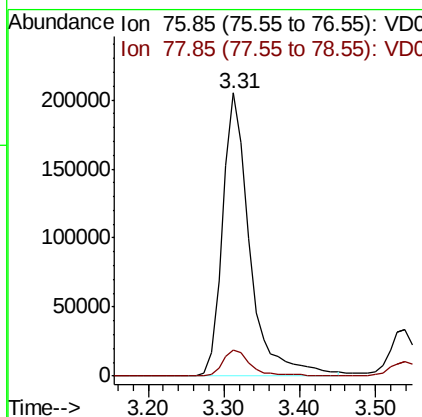
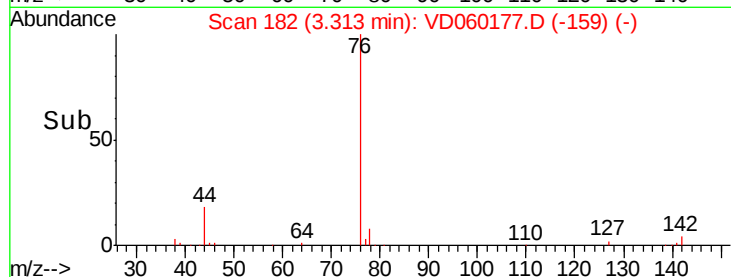
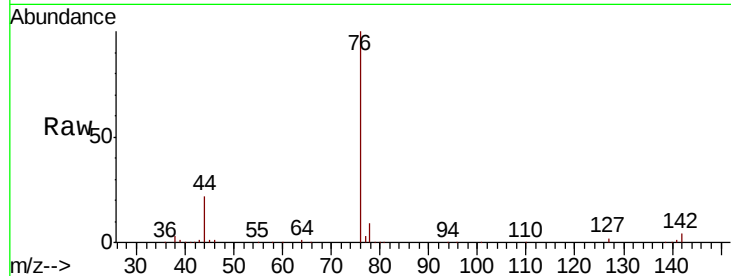
#17
Carbon Disulfide
Concen: 21.610 ug/l
RT: 3.31 min Scan# 182
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

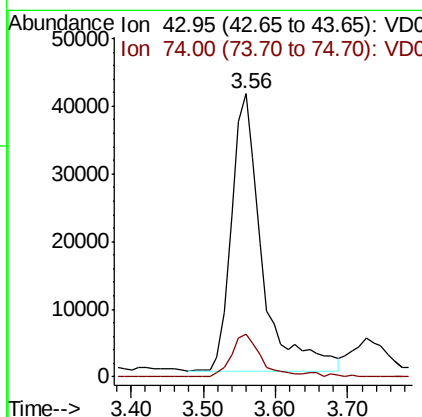
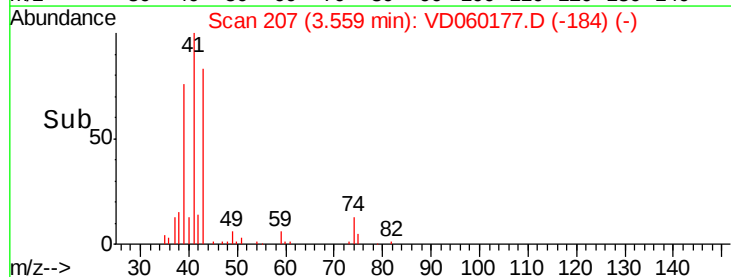
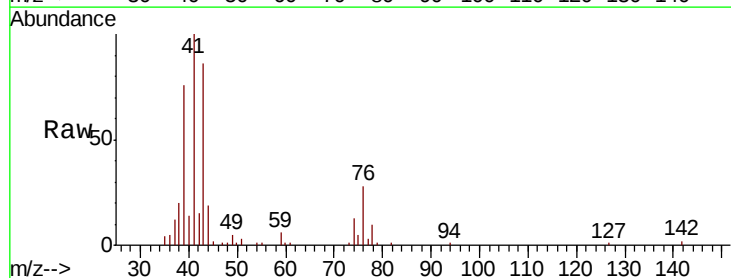
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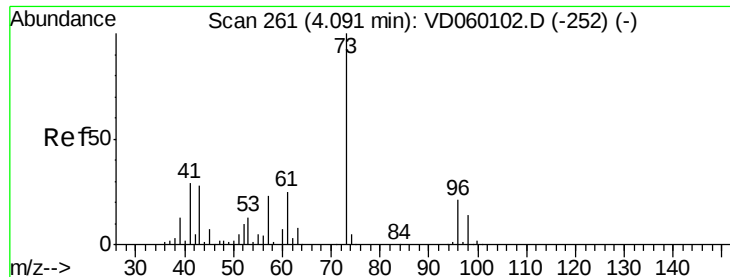
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#18
Methyl Acetate
Concen: 23.594 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.0	12.6	19.0





#19

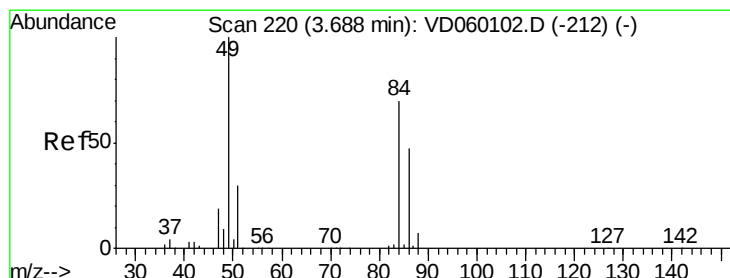
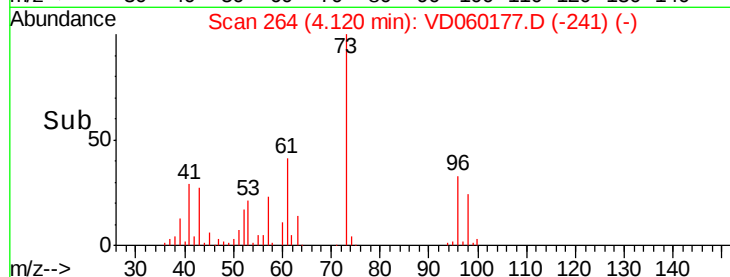
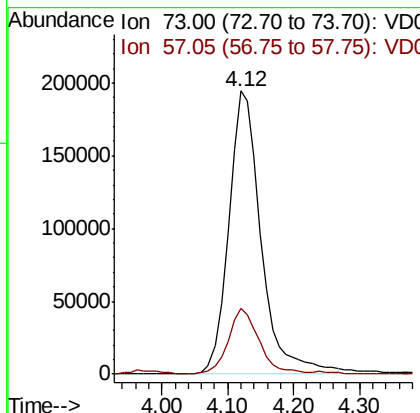
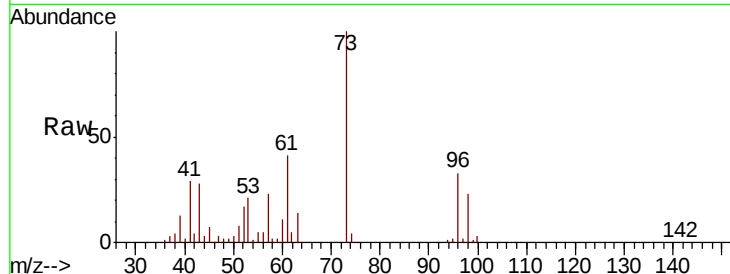
Methyl tert-butyl Ether
 Concen: 21.581 ug/l
 RT: 4.12 min Scan# 264
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion: 73 Resp: 667532
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.7 28.1

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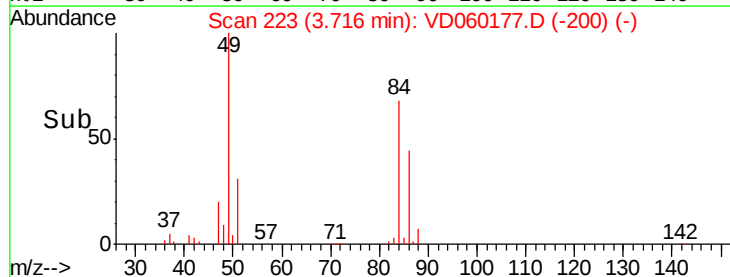
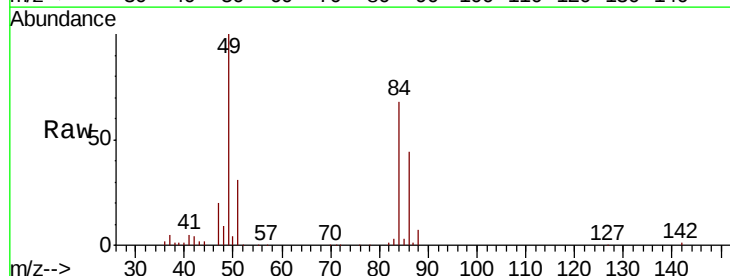
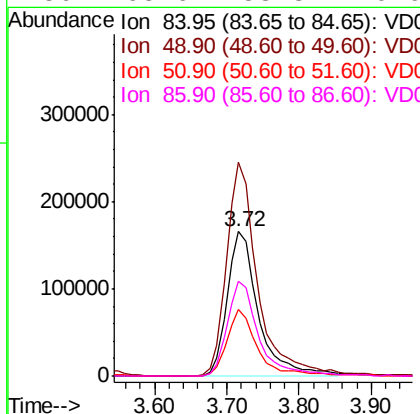
apatel
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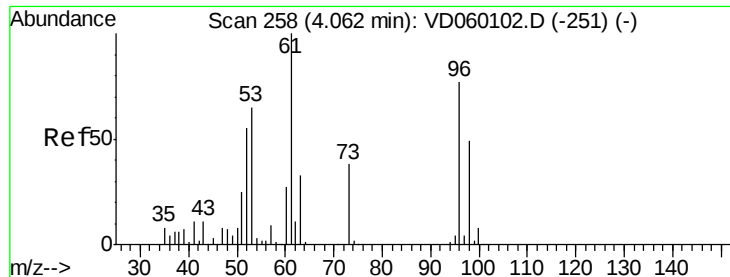


#20

Methylene Chloride
 Concen: 24.489 ug/l
 RT: 3.72 min Scan# 223
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion: 84 Resp: 498219
 Ion Ratio Lower Upper
 84 100
 49 147.8 114.6 172.0
 51 46.0 33.8 50.8
 86 65.6 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 20.522 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.04 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 96 Resp: 372883

Ion Ratio Lower Upper

96 100

61 132.2 103.3 154.9

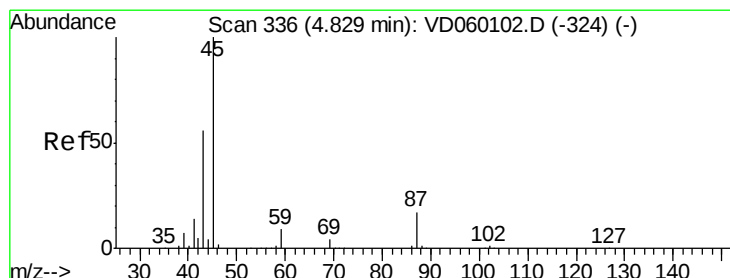
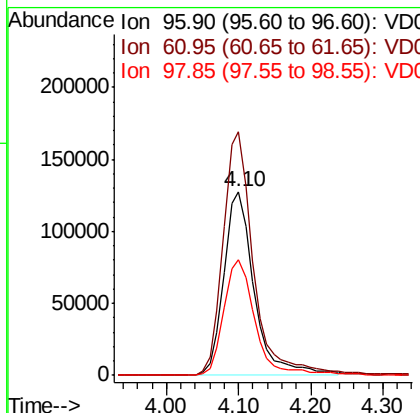
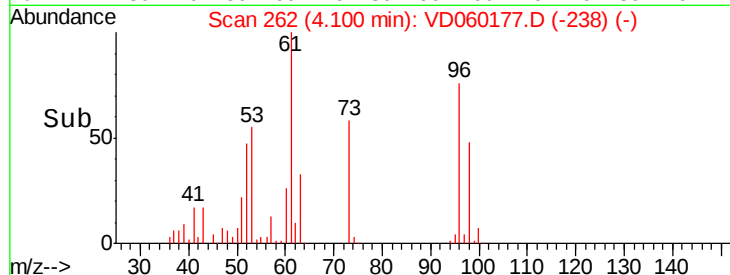
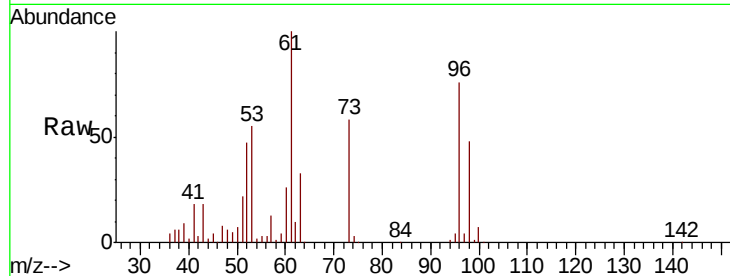
98 63.1 50.4 75.6

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#22

Diisopropyl ether

Concen: 21.303 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Tgt Ion: 45 Resp: 1390085

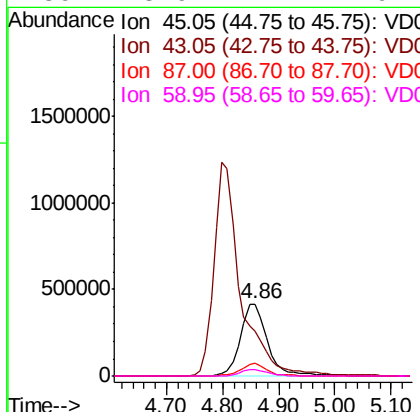
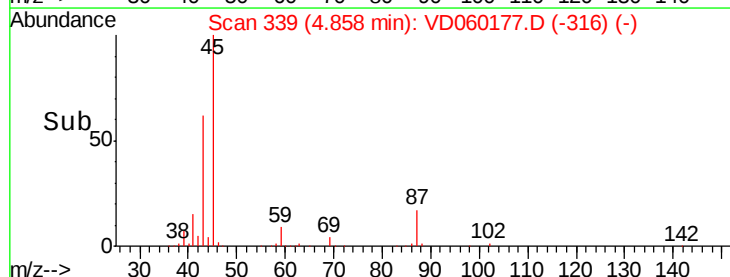
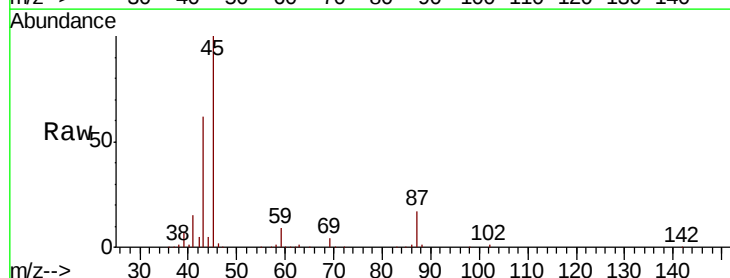
Ion Ratio Lower Upper

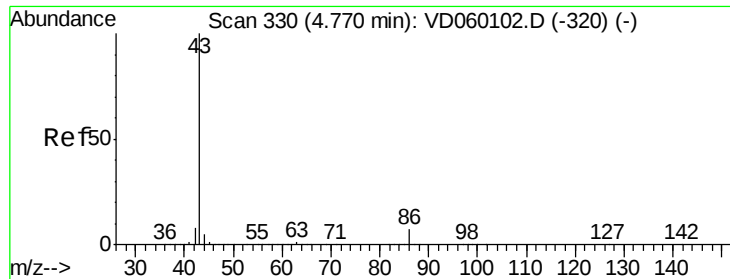
45 100

43 61.8 44.8 67.2

87 17.2 13.9 20.9

59 8.9 7.1 10.7





#23

Vinyl Acetate

Concen: 110.496 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 43 Resp: 4052969

Ion Ratio Lower Upper

43 100

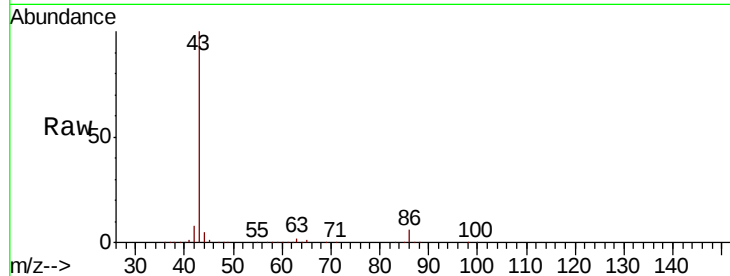
86 6.5 5.6 8.4

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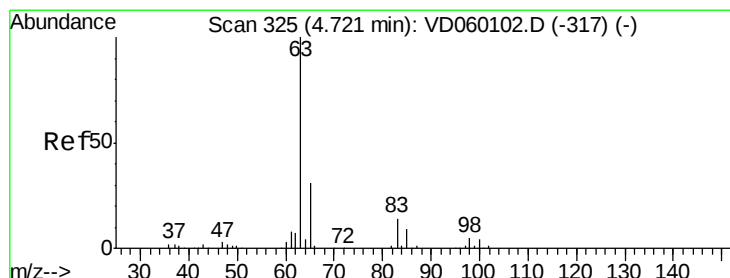
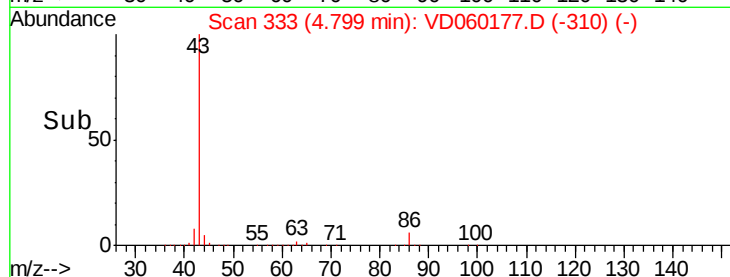
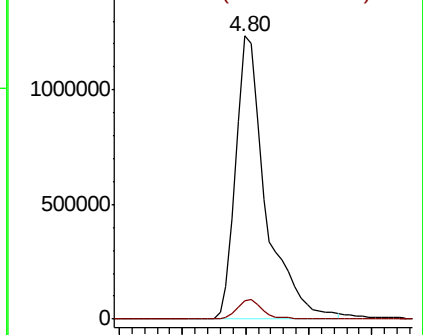
apatel

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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: 21.117 ug/l

RT: 4.76 min Scan# 329

Delta R.T. 0.04 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

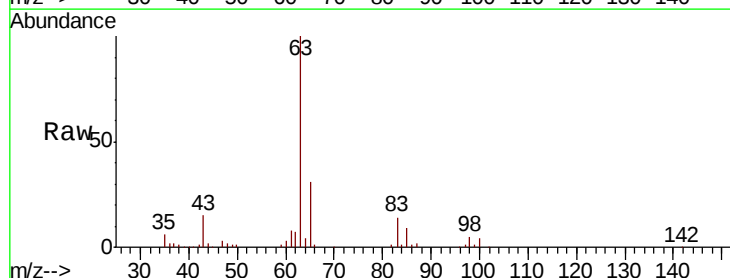
Tgt Ion: 63 Resp: 624795

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

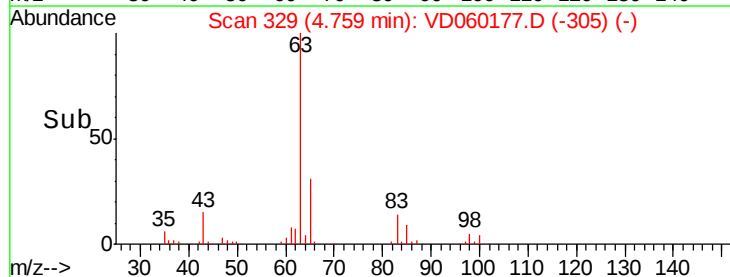
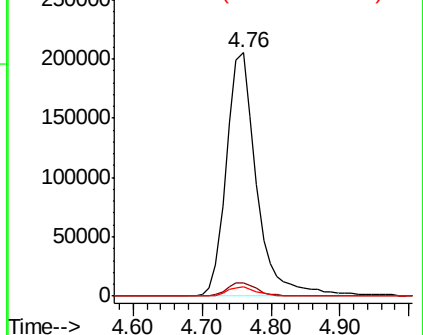
100 3.9 1.8 5.3

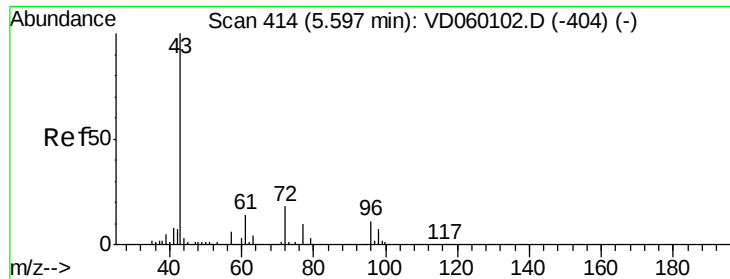


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 116.760 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 43 Resp: 691940

Ion Ratio Lower Upper

43 100

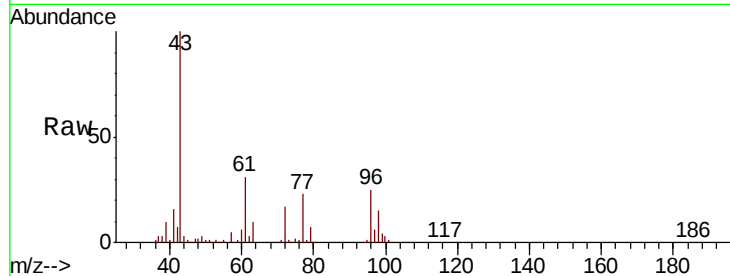
72 16.5 14.5 21.7

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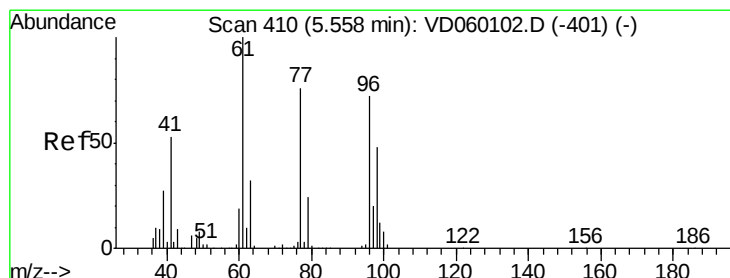
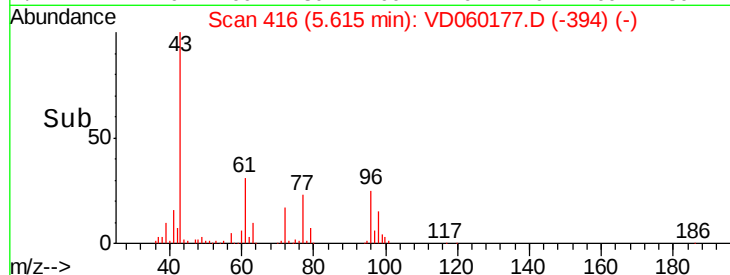
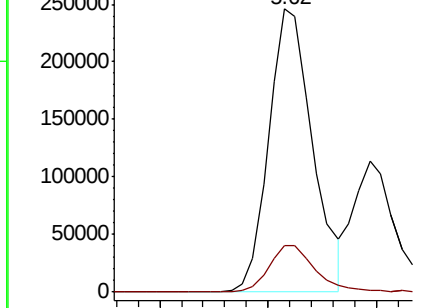
apatel

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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: 22.871 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060177.D

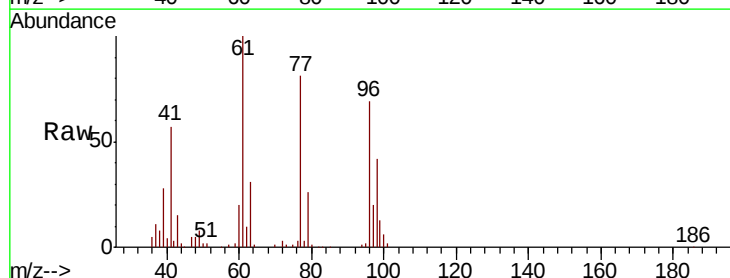
Acq: 24 Oct 2018 13:01

Tgt Ion: 77 Resp: 512992

Ion Ratio Lower Upper

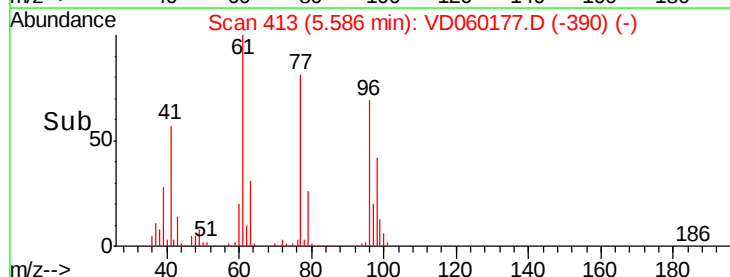
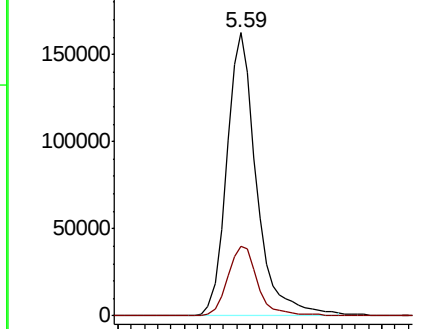
77 100

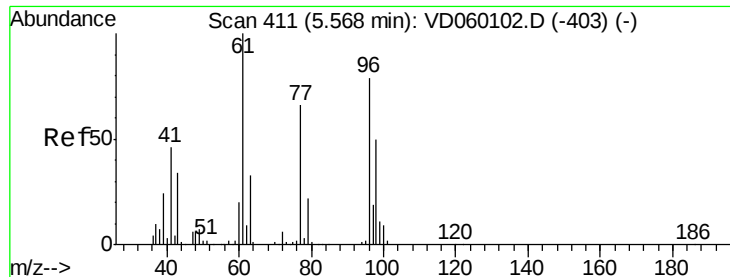
97 24.7 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

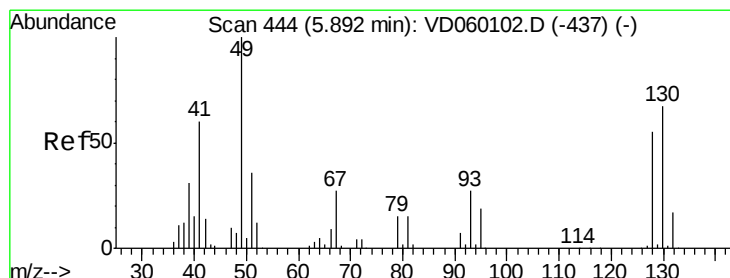
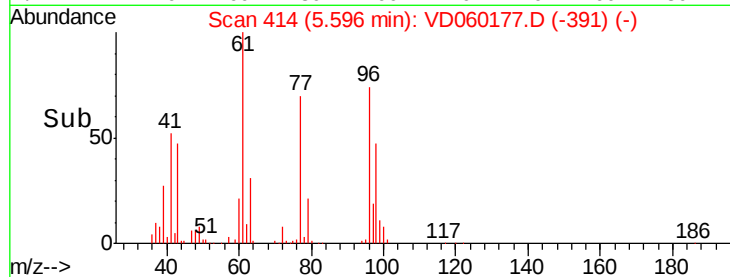
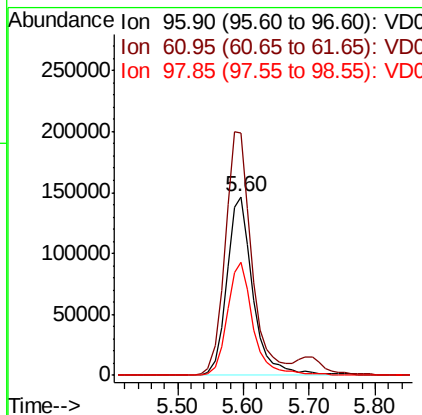
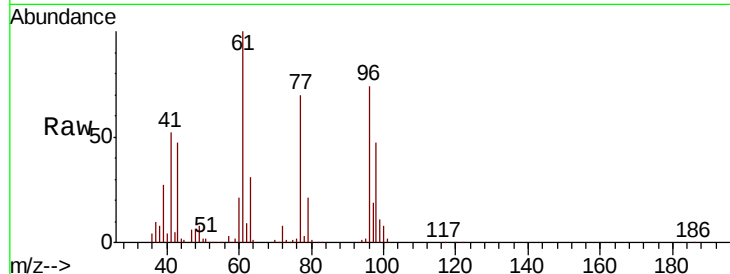
cis-1,2-Dichloroethene
 Concen: 21.060 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	251.8
98	63.4	0.0	125.2

Manual Integrations
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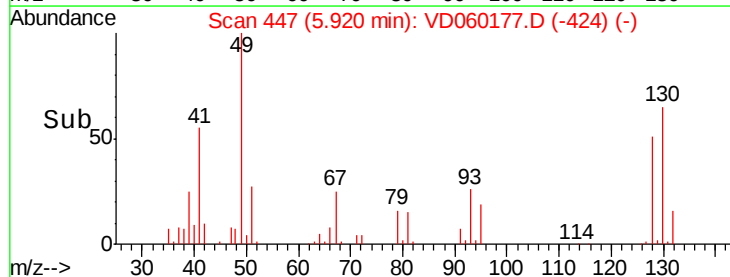
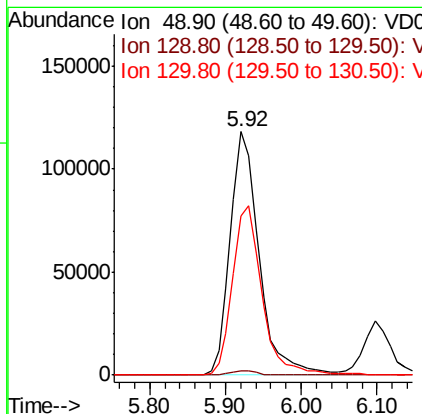
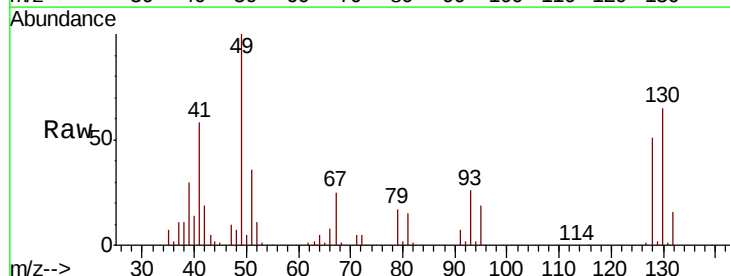
apatel
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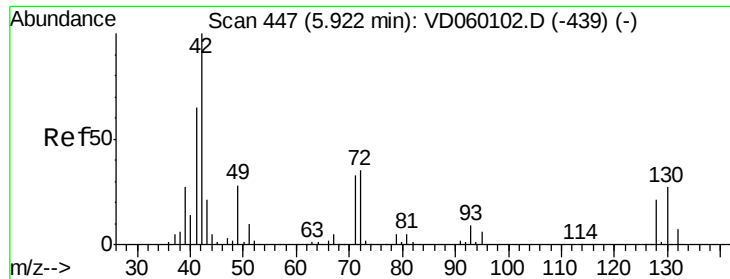


#28

Bromochloromethane
 Concen: 21.863 ug/l
 RT: 5.92 min Scan# 447
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	65.2	53.9	80.9





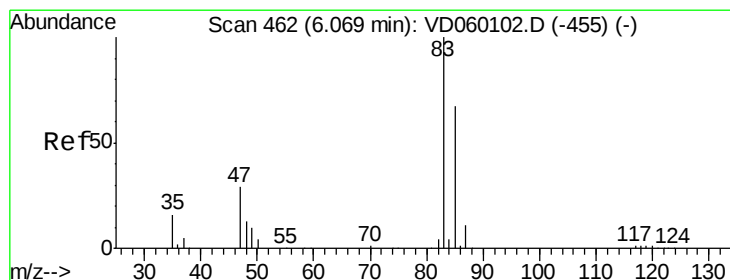
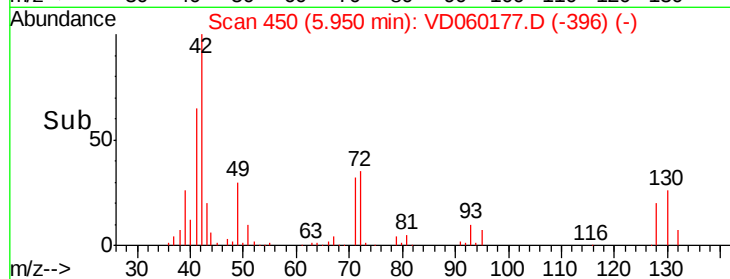
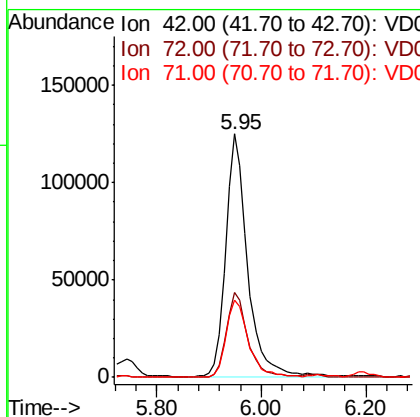
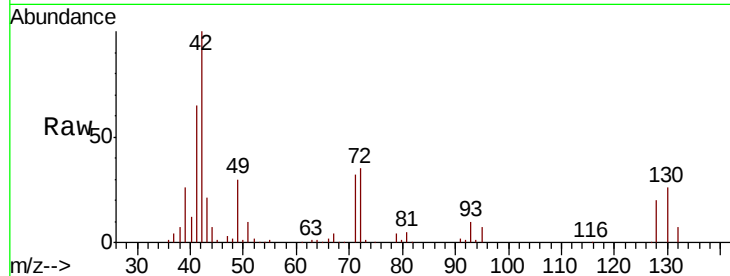
#29
Tetrahydrofuran
Concen: 103.889 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	26.9	40.3
71	32.8	26.7	40.1

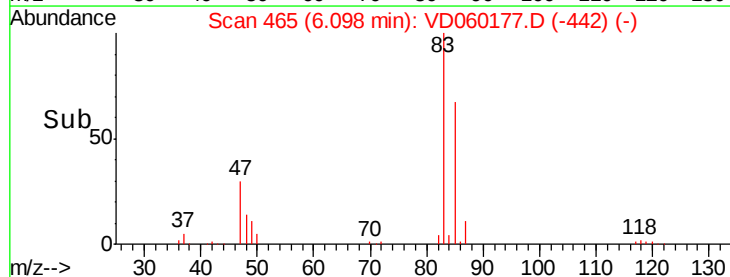
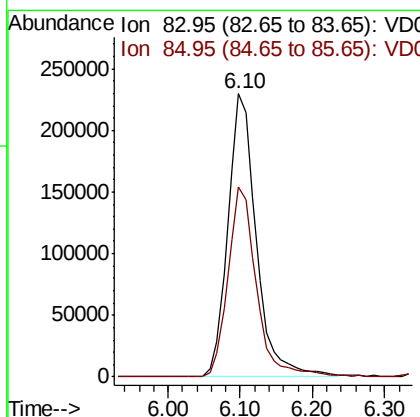
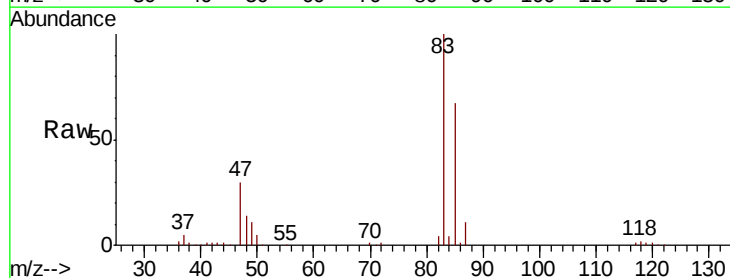
Manual Integrations
APPROVED

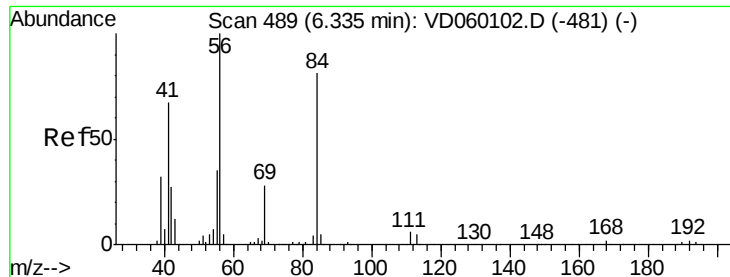
apatel
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#30
Chloroform
Concen: 21.039 ug/l
RT: 6.10 min Scan# 465
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	53.8	80.8





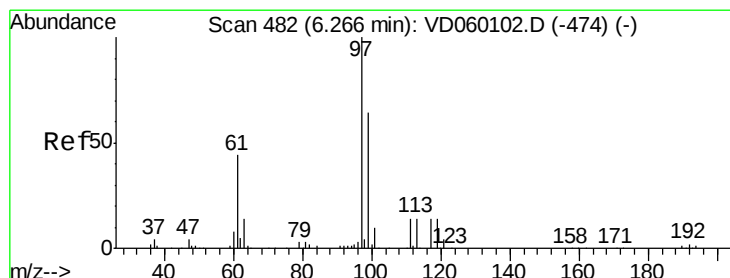
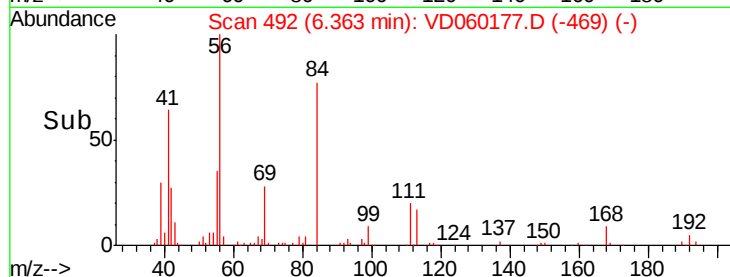
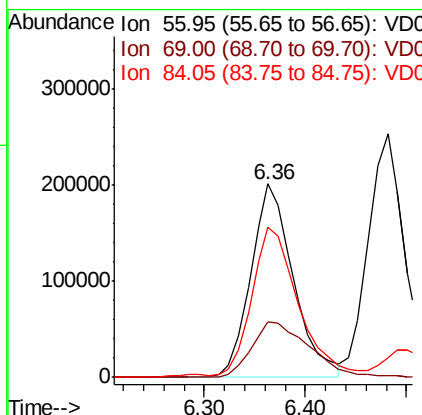
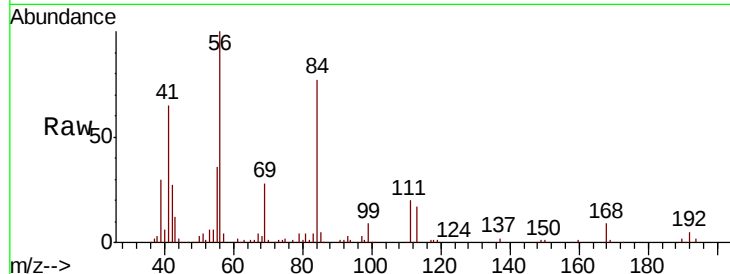
#31
Cyclohexane
Concen: 20.733 ug/l
RT: 6.36 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	22.8	34.2
84	77.4	64.9	97.3

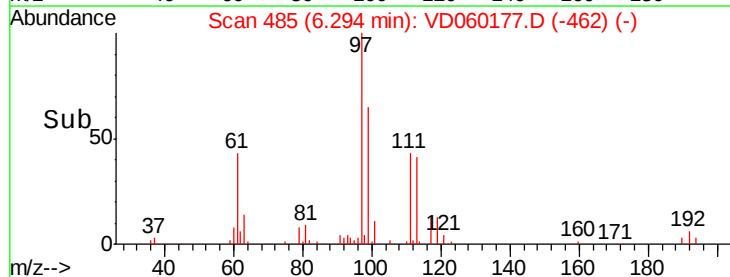
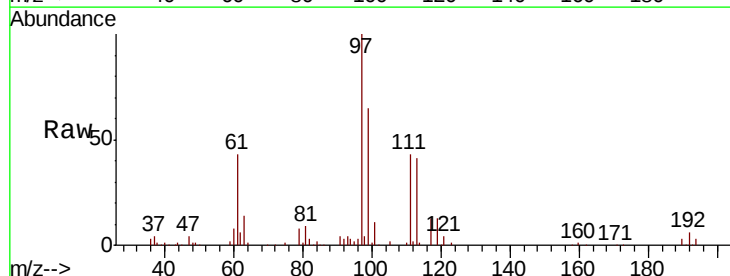
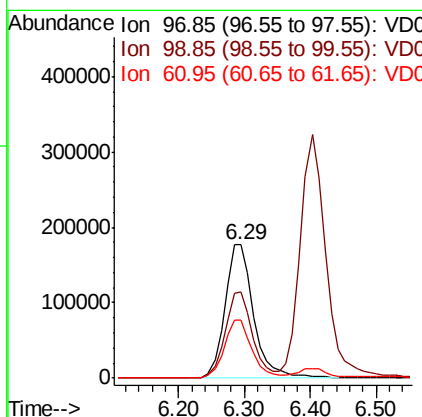
Manual Integrations
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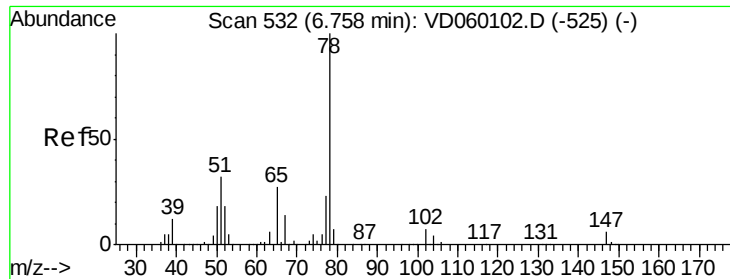
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#32
1,1,1-Trichloroethane
Concen: 21.890 ug/l
RT: 6.29 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	43.2	35.5	53.3





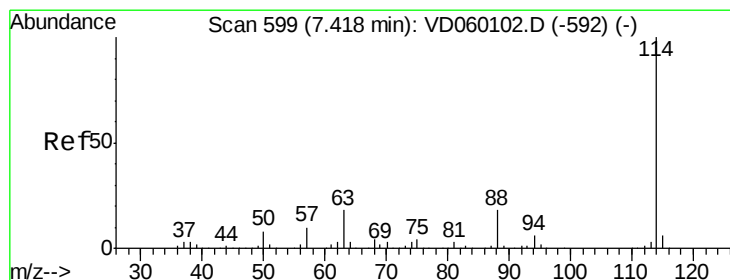
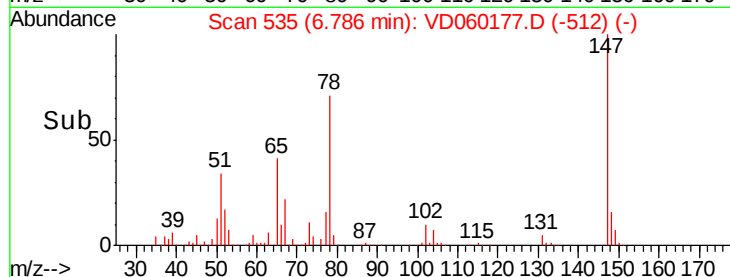
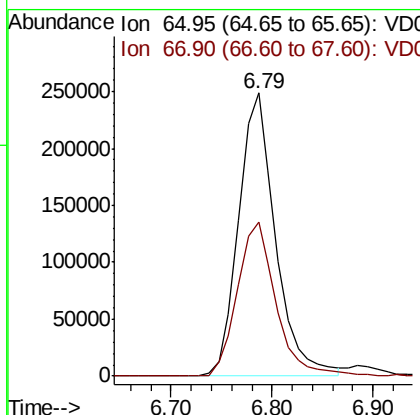
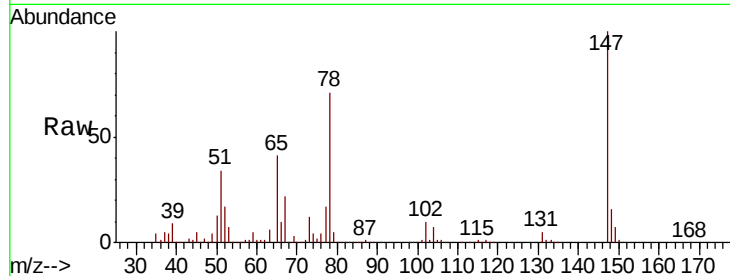
#33
 1,2-Dichloroethane-d4
 Concen: 21.890 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	632320		
67	54.6	0.0	106.2	

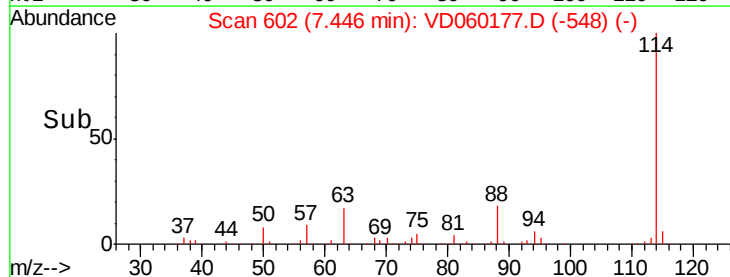
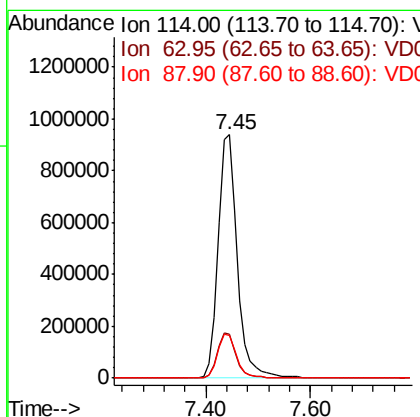
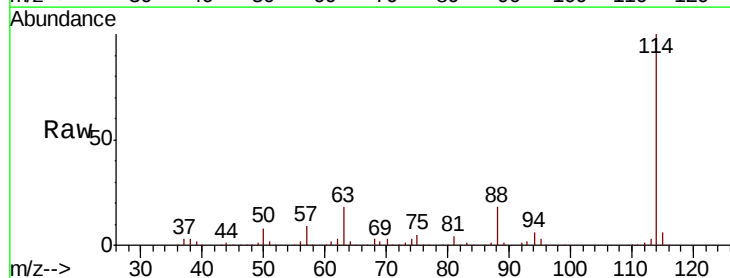
Manual Integrations
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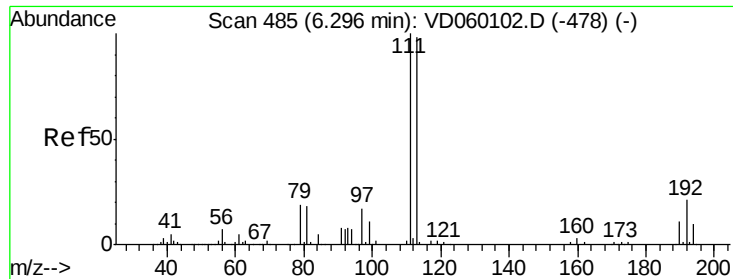
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2399705		
63	17.9	0.0	36.0	
88	17.7	0.0	36.2	





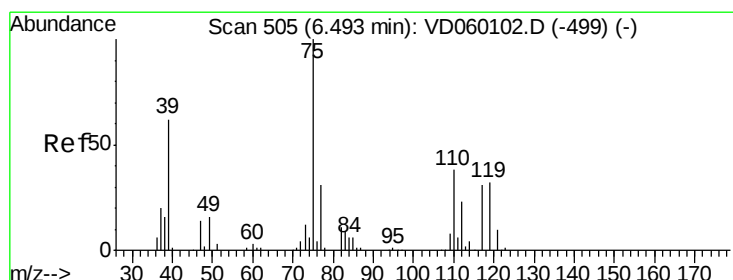
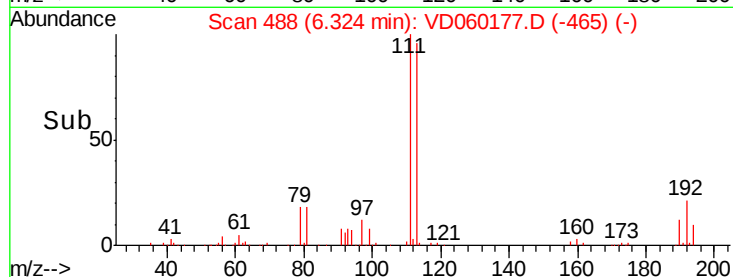
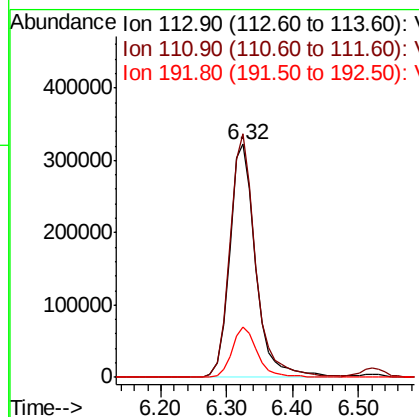
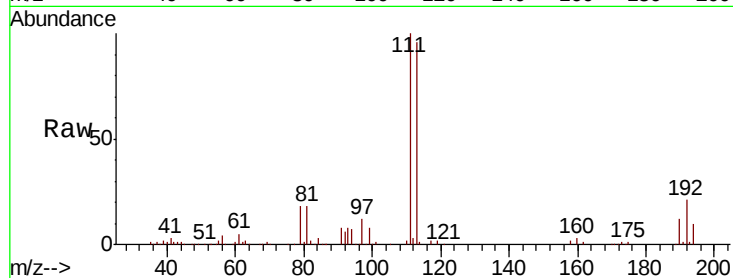
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.32 min Scan# 488
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	890013		
111	104.4	81.5	122.3	
192	21.8	17.4	26.0	

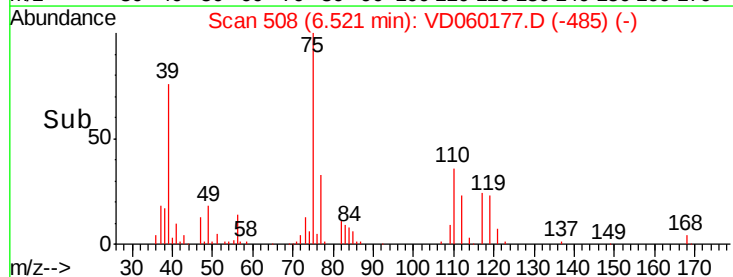
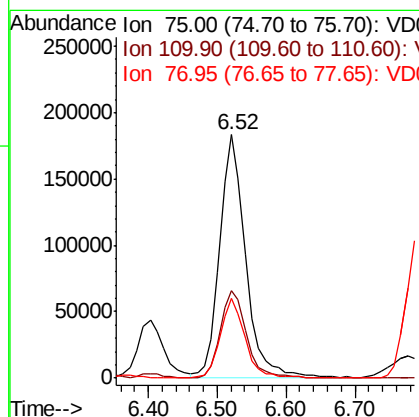
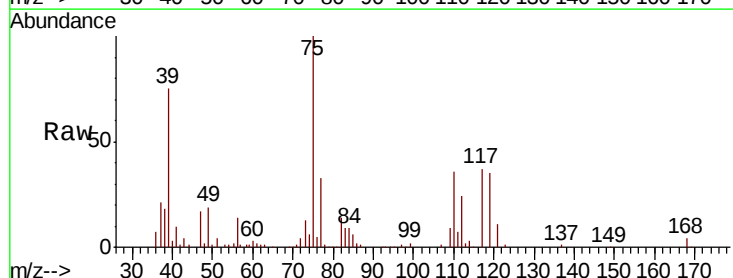
Manual Integrations
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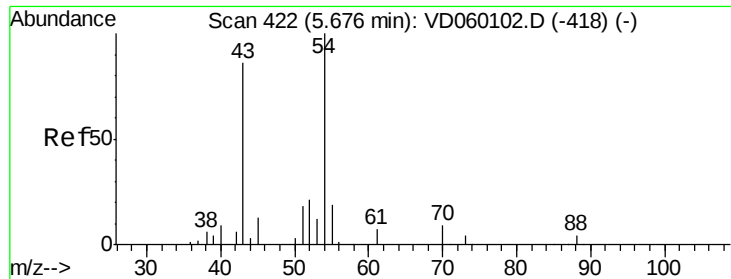
apatel
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#36
1,1-Dichloropropene
Concen: 20.557 ug/l
RT: 6.52 min Scan# 508
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	471389		
110	35.8	19.0	57.0	
77	32.9	24.9	37.3	





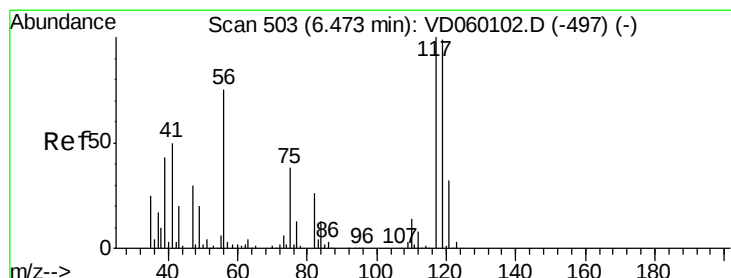
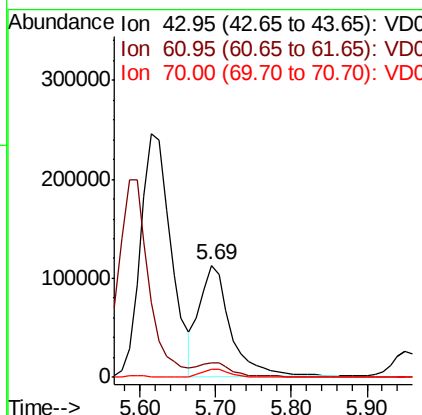
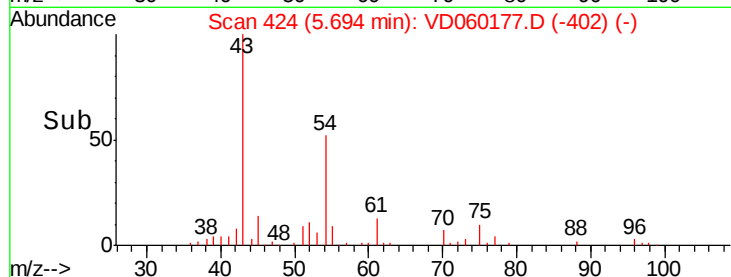
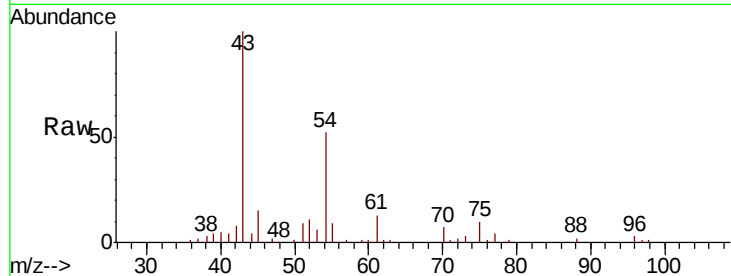
#37
Ethyl Acetate
Concen: 20.968 ug/l
RT: 5.69 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	7.1	6.3	9.5

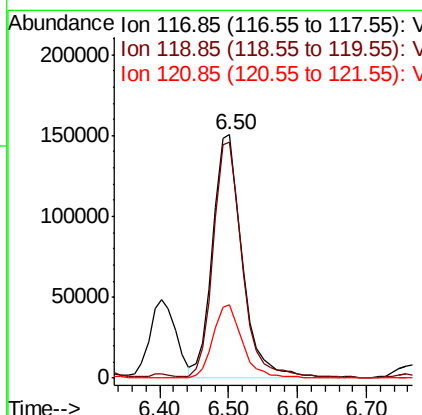
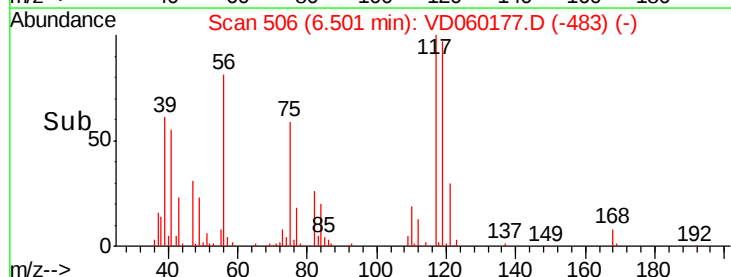
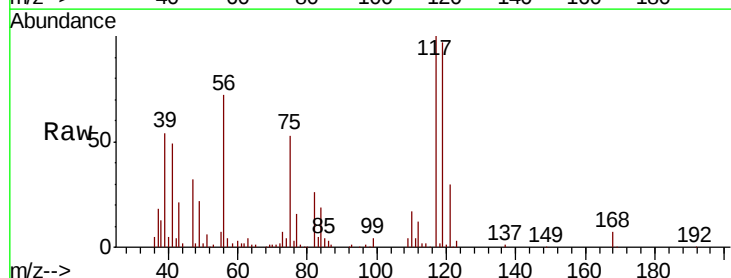
Manual Integrations
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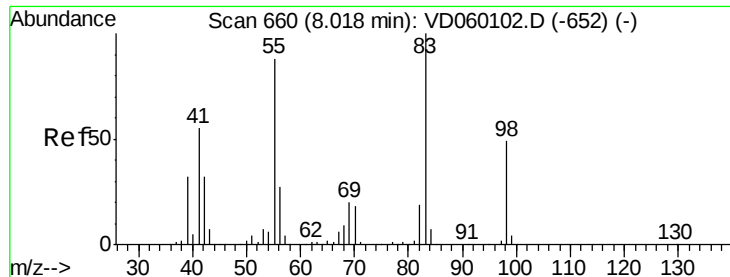
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#38
Carbon Tetrachloride
Concen: 21.321 ug/l
RT: 6.50 min Scan# 506
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.6
121	30.2	24.8	37.2





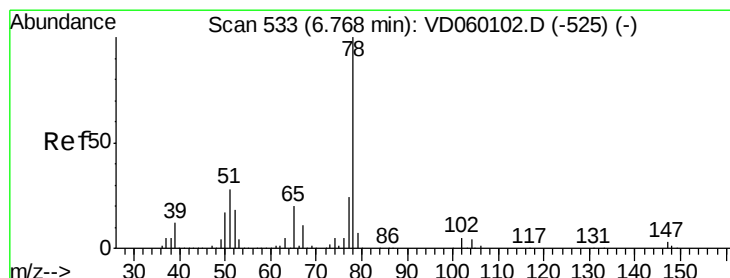
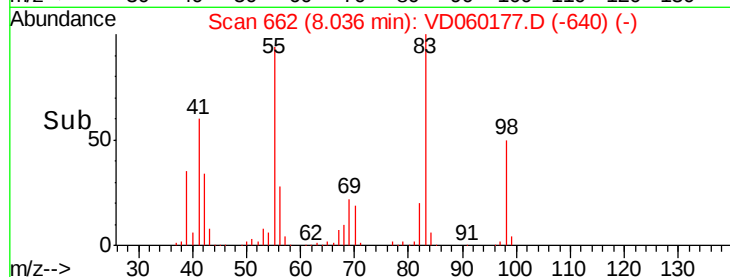
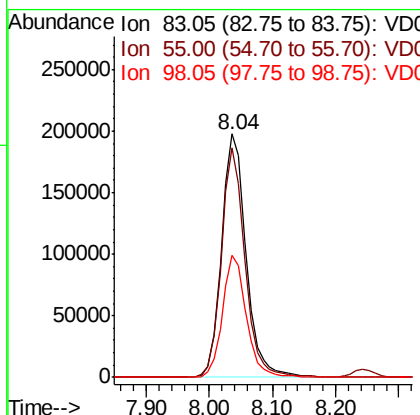
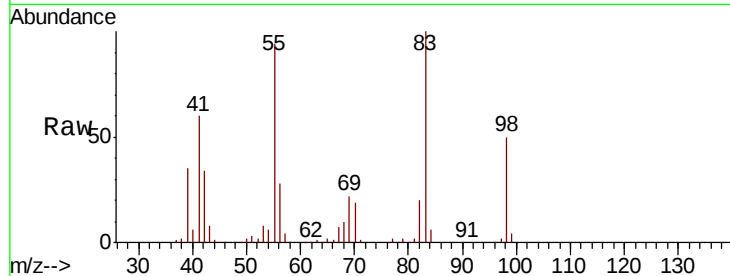
#39
Methvlcvclohexane
Concen: 20.410 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.2	70.5	105.7
98	50.0	39.4	59.2

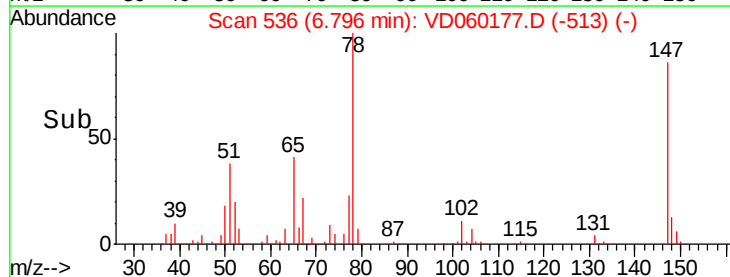
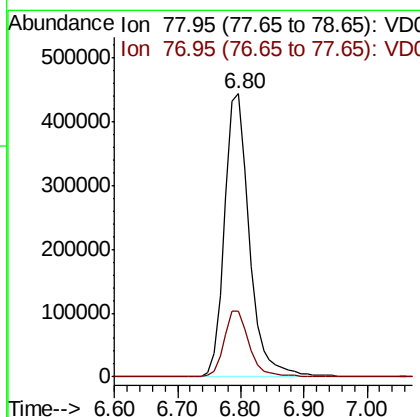
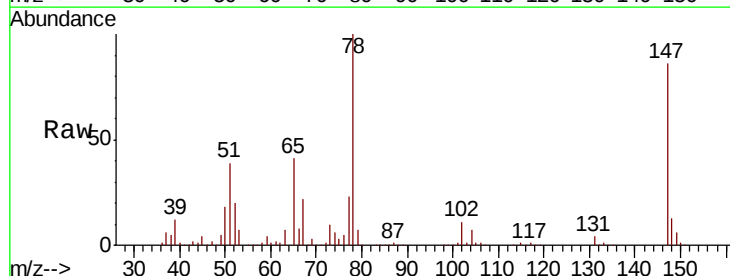
Manual Integrations
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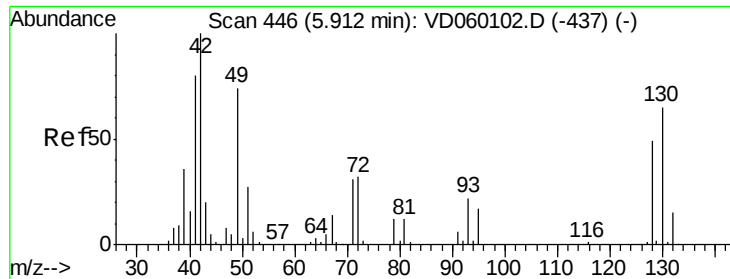
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#40
Benzene
Concen: 20.182 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





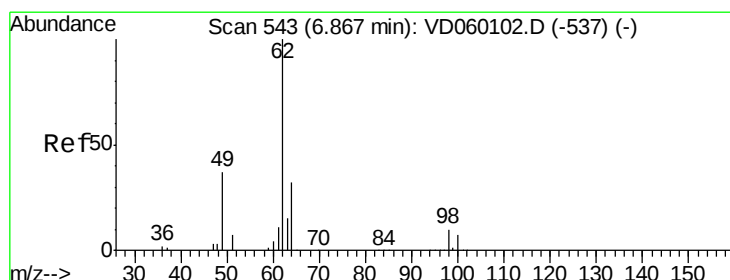
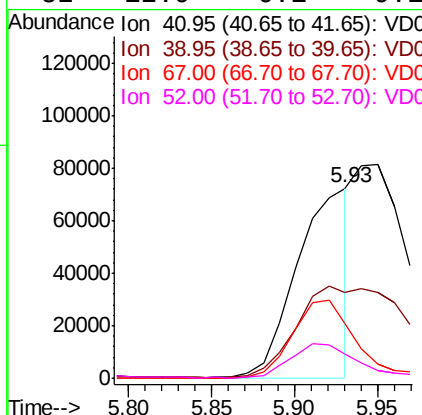
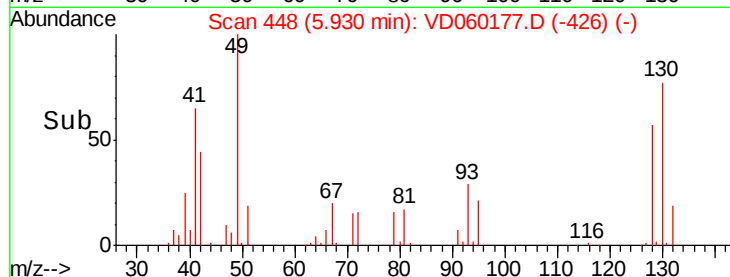
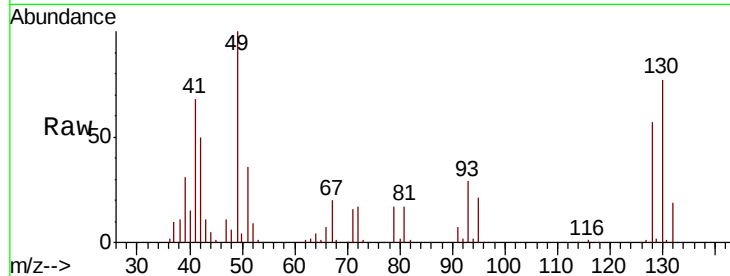
#41
Methacrylonitrile
Concen: 18.854 ug/l m
RT: 5.93 min Scan# 448
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.2	36.0	54.0
67	29.0	13.9	20.9
52	12.9	6.1	9.1

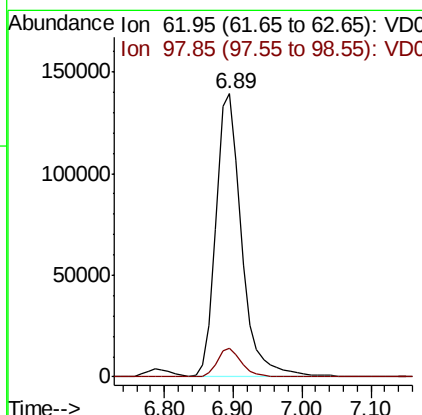
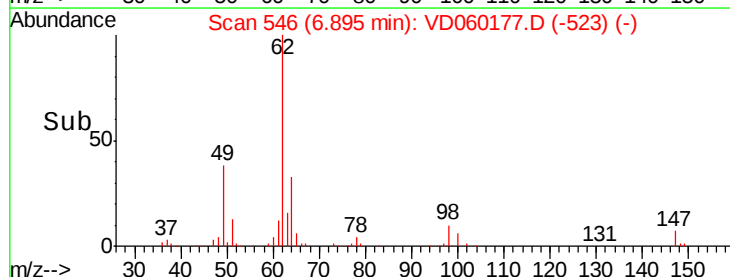
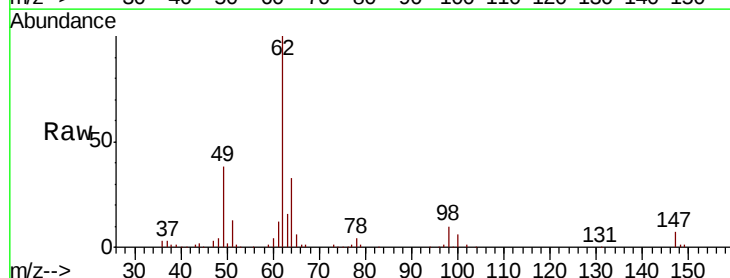
Manual Integrations
APPROVED

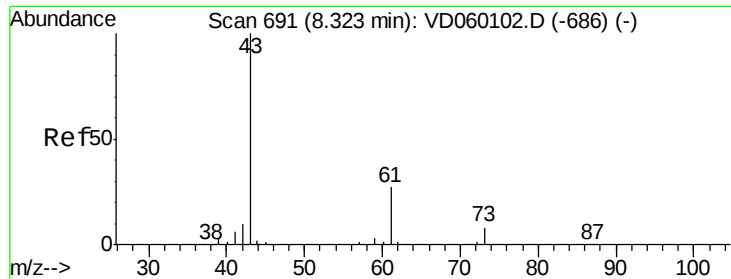
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#42
1,2-Dichloroethane
Concen: 20.753 ug/l
RT: 6.89 min Scan# 546
Delta R.T. 0.03 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

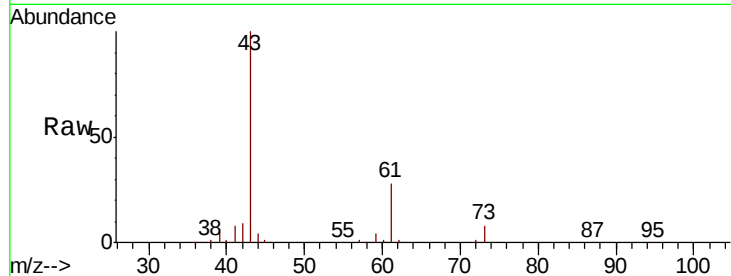
Isopropyl Acetate
 Concen: 20.422 ug/l
 RT: 8.35 min Scan# 694
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

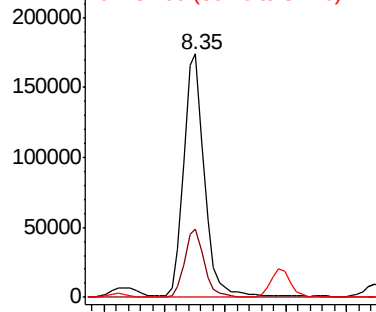
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	21.4	32.2
87	0.3	0.2	0.2#

Manual Integrations
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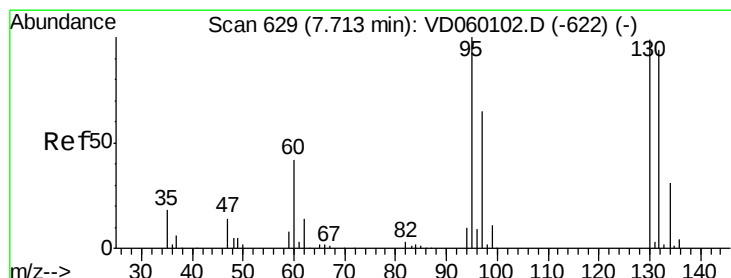
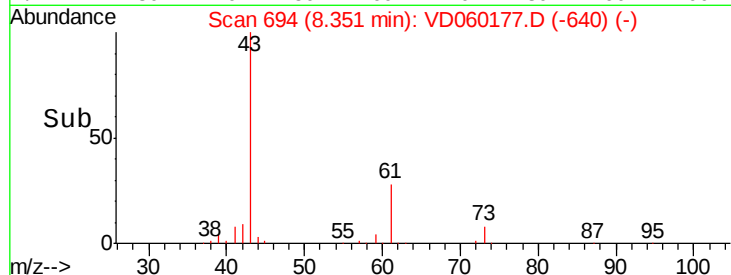
apatel
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Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



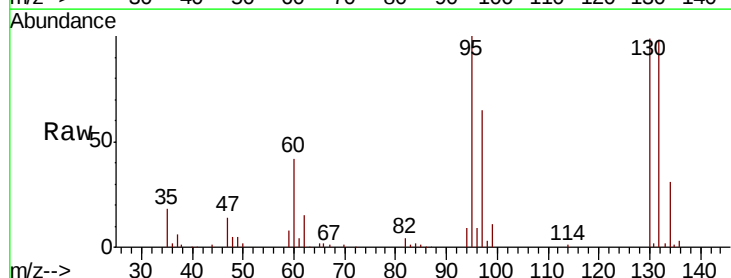
Time-->



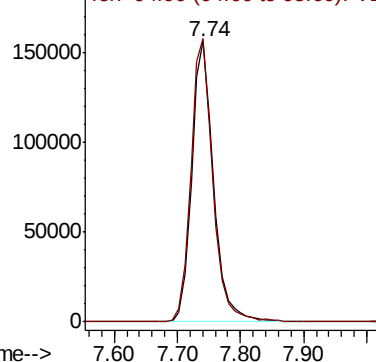
#44

Trichloroethene
 Concen: 20.278 ug/l
 RT: 7.74 min Scan# 632
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

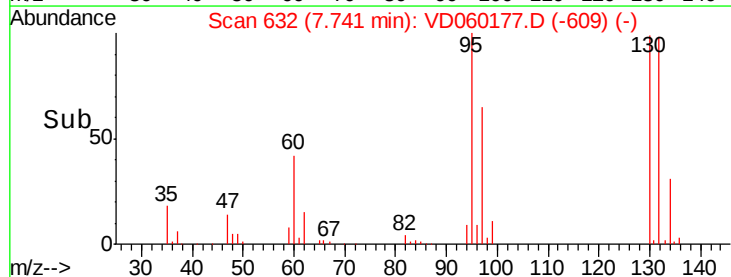
Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	202.2

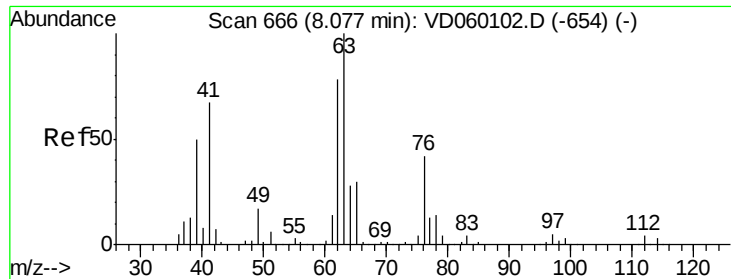


Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC



Time-->





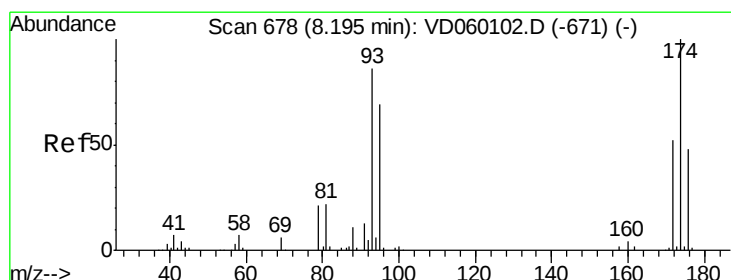
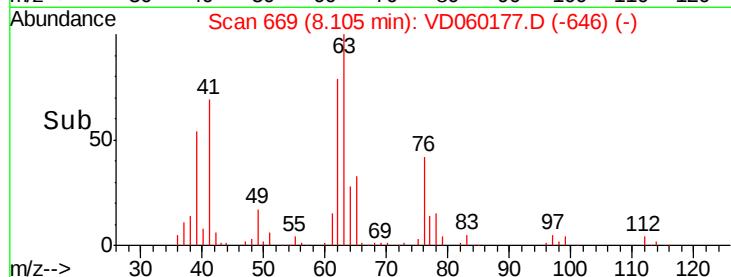
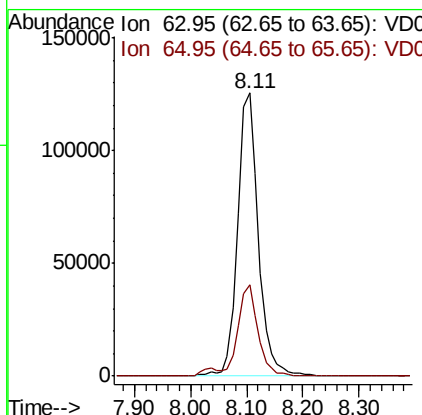
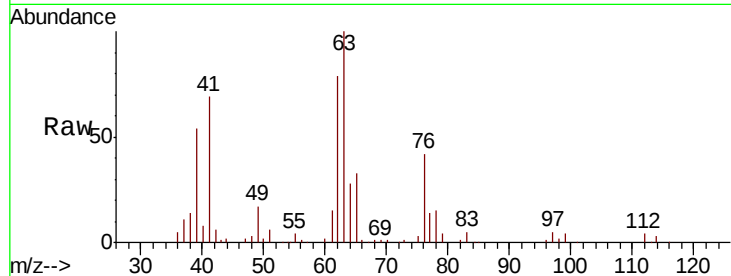
#45
 1,2-Dichloropropane
 Concen: 20.542 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.1	36.1

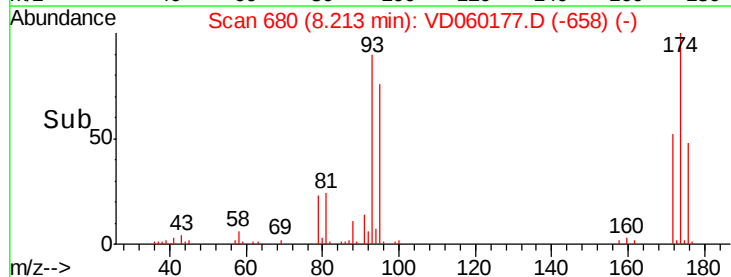
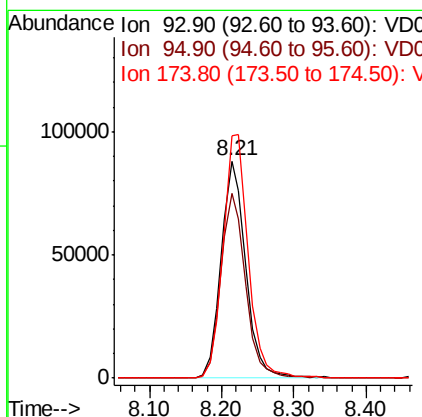
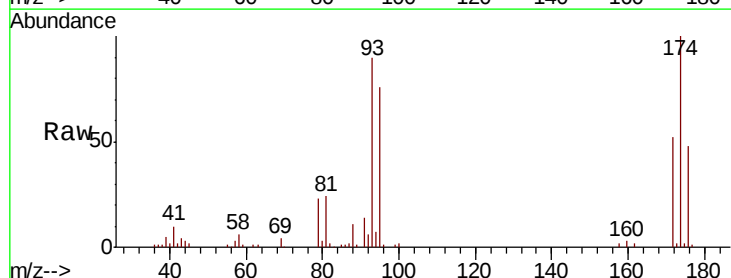
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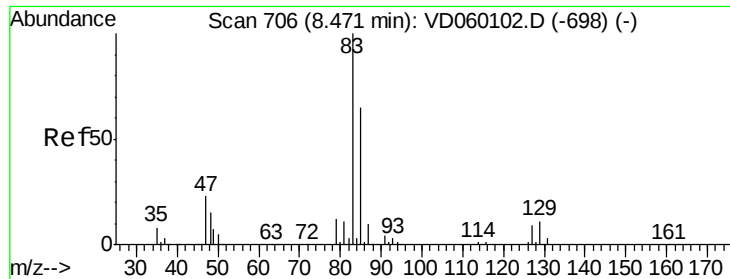
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#46
 Dibromomethane
 Concen: 20.395 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.02 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	63.8	95.6
174	111.6	92.9	139.3





#47

Bromodichloromethane

Concen: 20.717 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

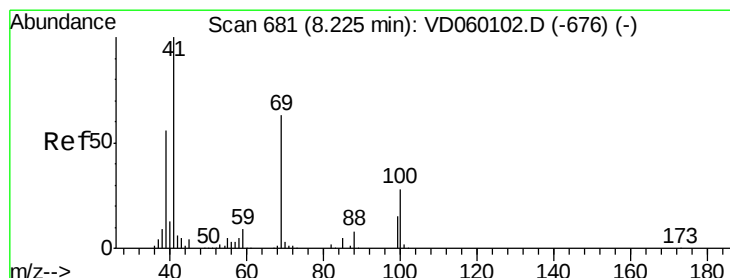
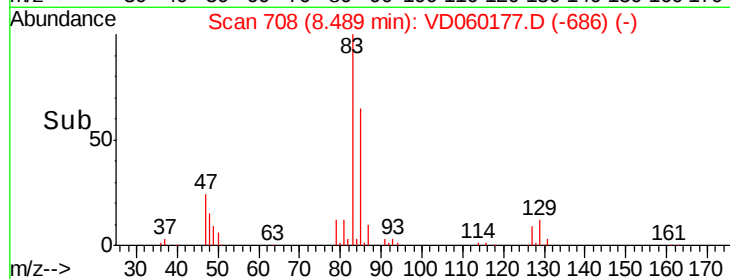
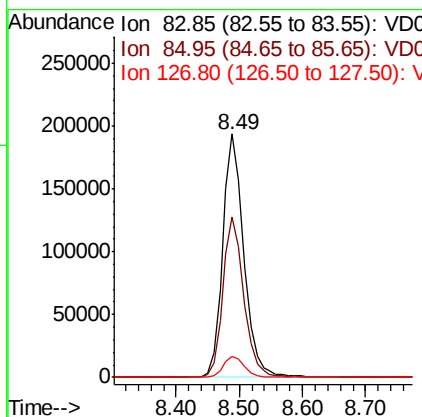
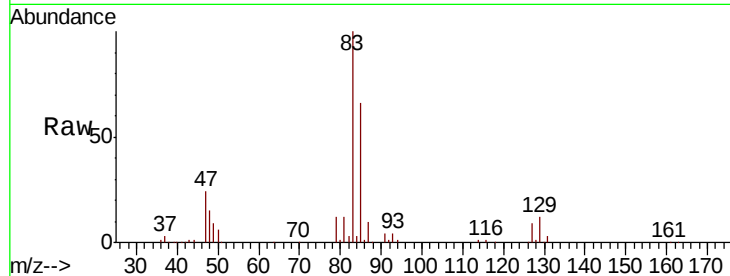
ClientSampleId :

VD1024SBS01

Tot Ion:	83	Resp:	448918
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.2
127	8.6	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.005 ug/l

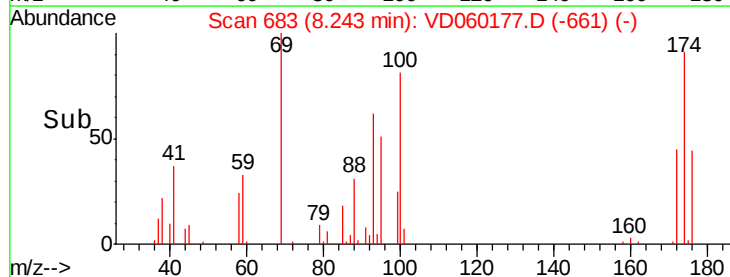
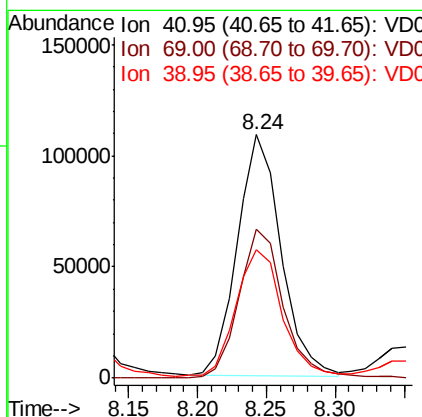
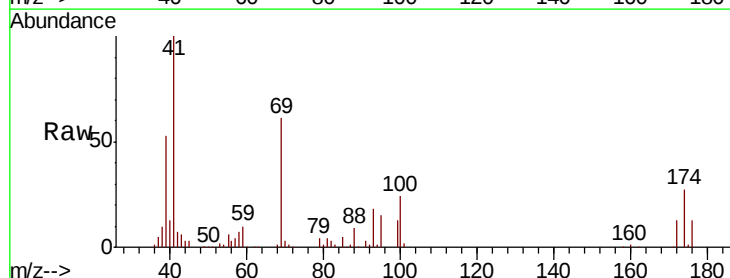
RT: 8.24 min Scan# 683

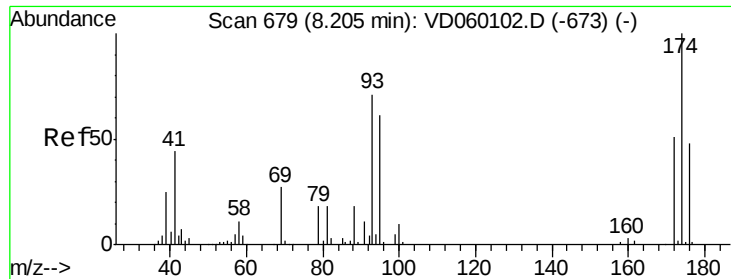
Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Tgt Ion:	41	Resp:	239595
Ion	Ratio	Lower	Upper
41	100		
69	61.1	49.7	74.5
39	52.9	45.2	67.8





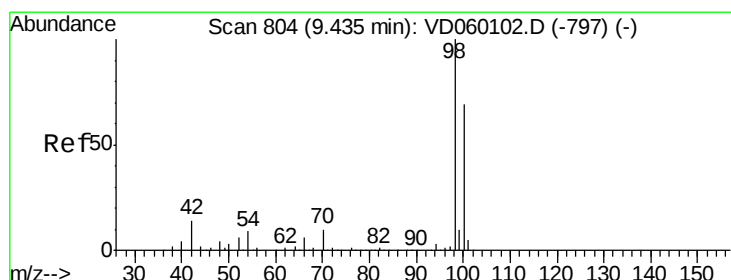
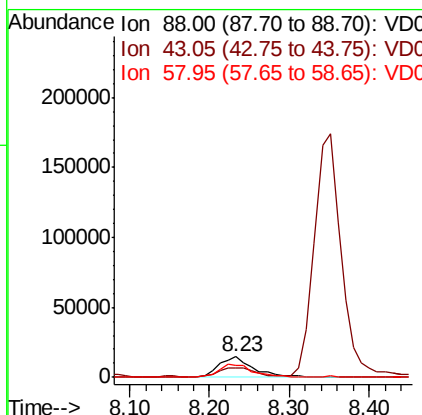
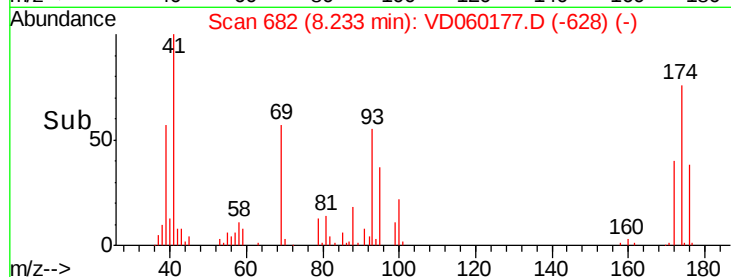
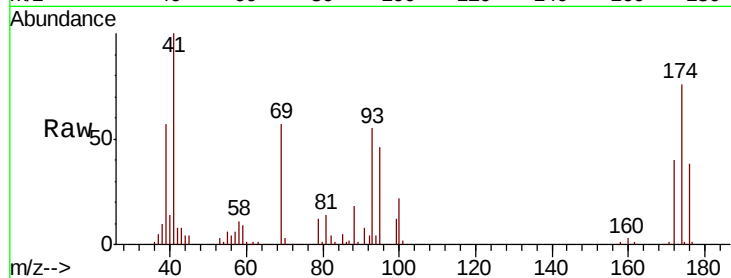
#49
 1,4-Dioxane
 Concen: 403.965 ug/l
 RT: 8.23 min Scan# 682
 Delta R.T. 0.03 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.3	33.7	50.5
58	61.1	49.1	73.7

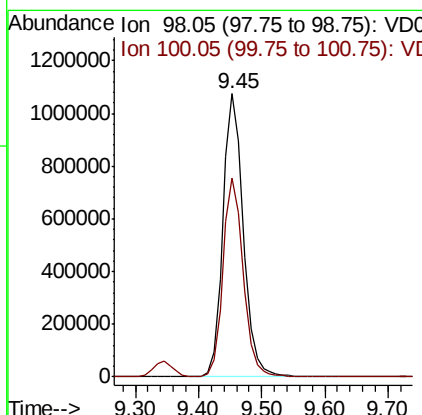
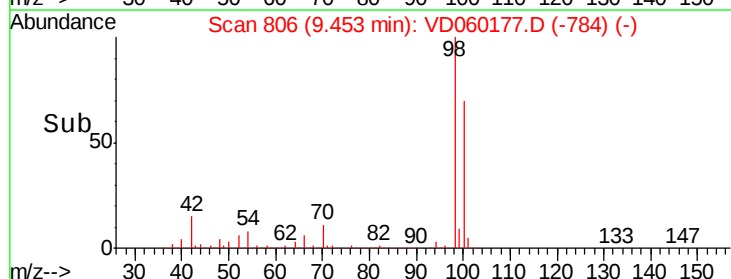
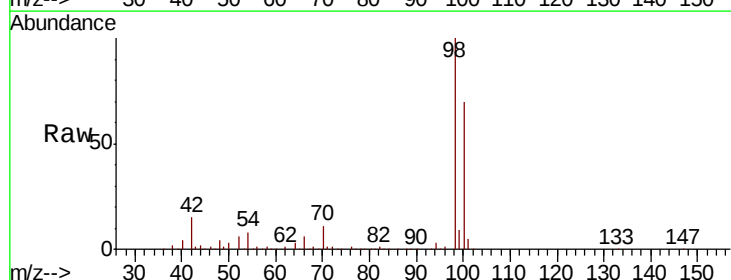
Manual Integrations
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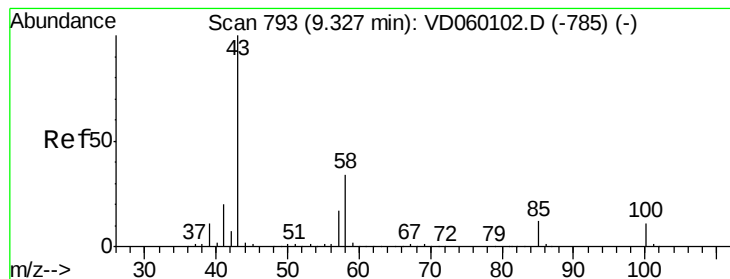
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#50
 Toluene-d8
 Concen: 403.965 ug/l
 RT: 9.45 min Scan# 806
 Delta R.T. 0.02 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.2	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 104.952 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 43 Resp: 1325570

Ion Ratio Lower Upper

43 100

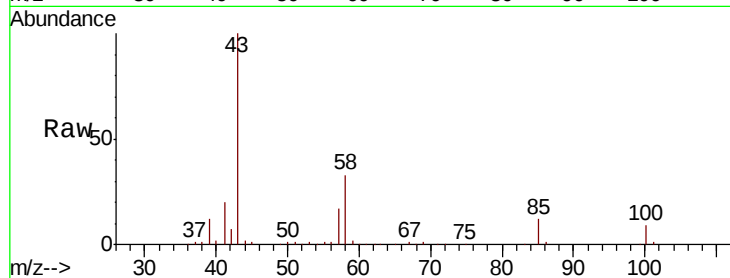
58 32.8 27.2 40.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

600000

500000

400000

300000

200000

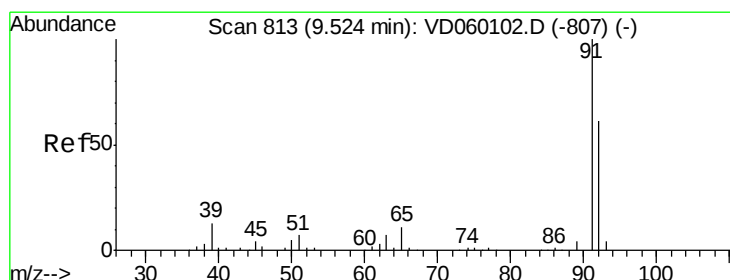
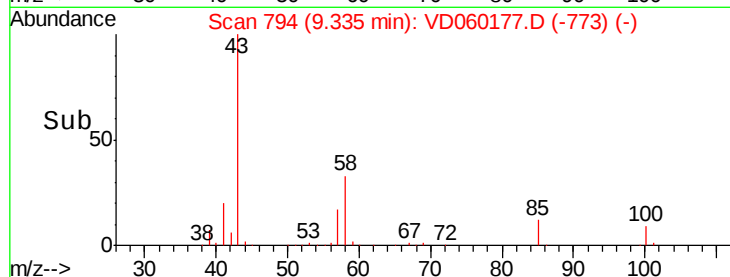
100000

0

9.34

9.20 9.30 9.40

Time-->



#52

Toluene

Concen: 20.909 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060177.D

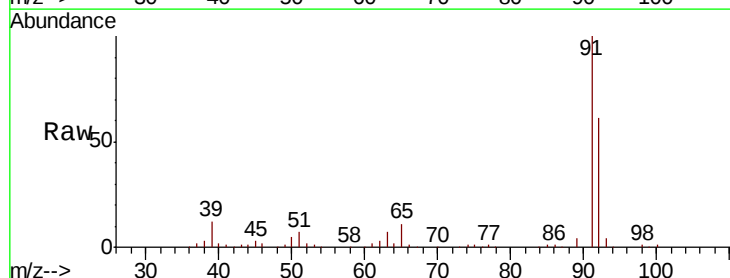
Acq: 24 Oct 2018 13:01

Tgt Ion: 92 Resp: 807859

Ion Ratio Lower Upper

92 100

91 164.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

400000

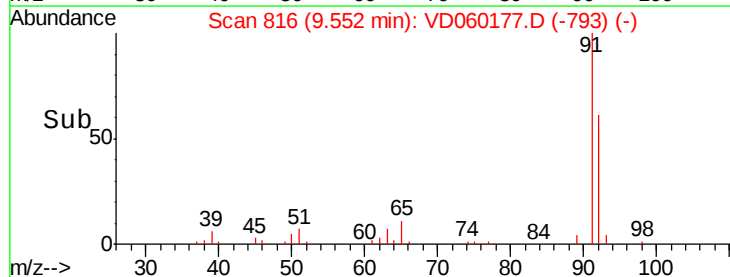
200000

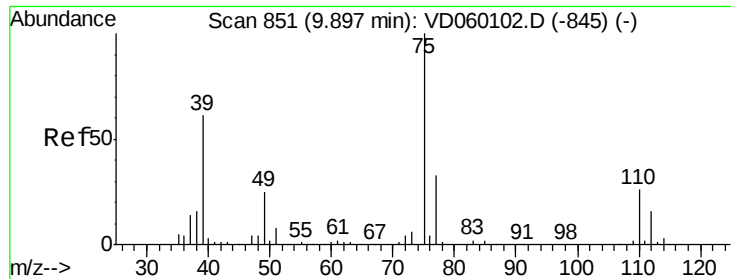
0

9.55

9.40 9.50 9.60 9.70 9.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.466 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 75 Resp: 420894

Ion Ratio Lower Upper

75 100

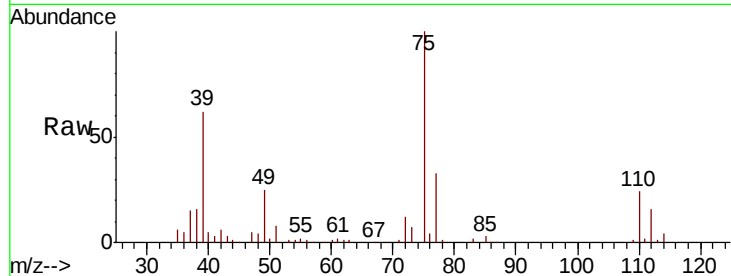
77 32.7 26.2 39.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

250000

200000

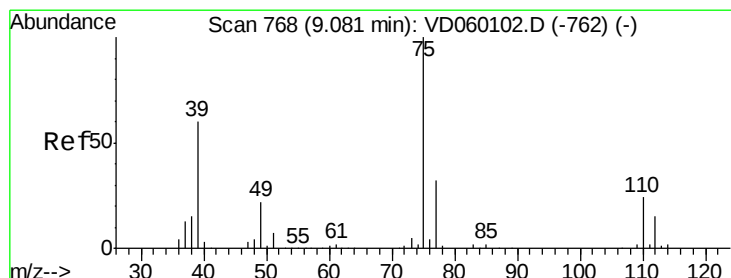
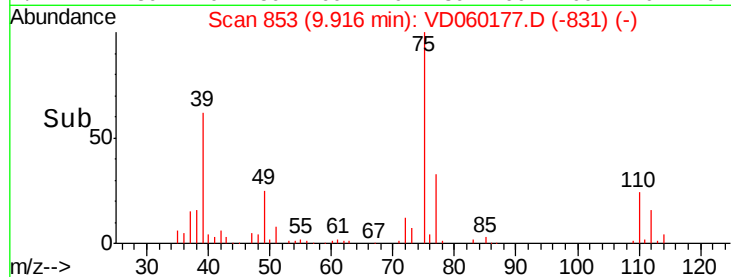
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.611 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

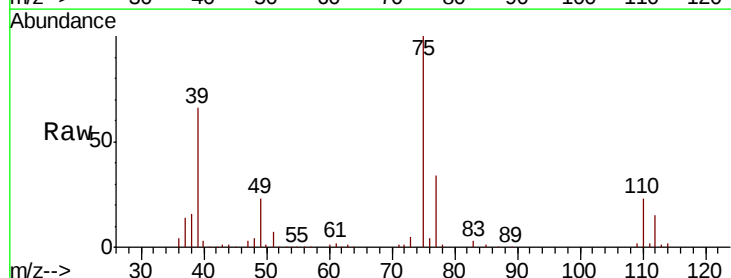
Tgt Ion: 75 Resp: 499045

Ion Ratio Lower Upper

75 100

77 33.8 25.7 38.5

39 65.8 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

300000

250000

200000

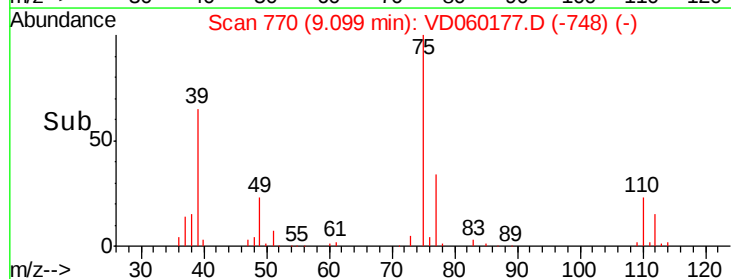
150000

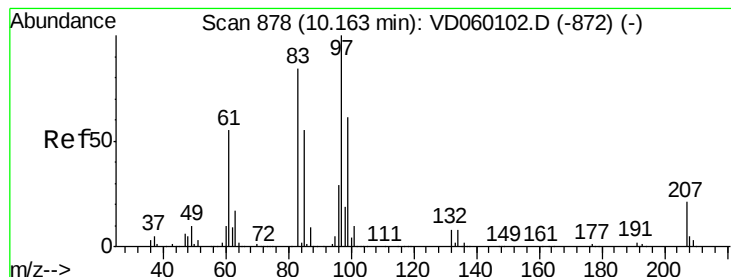
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.857 ug/l

RT: 10.18 min Scan# 880

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

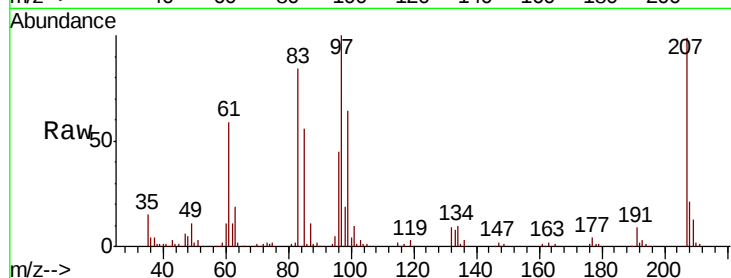
ClientSampleId :

VD1024SBS01

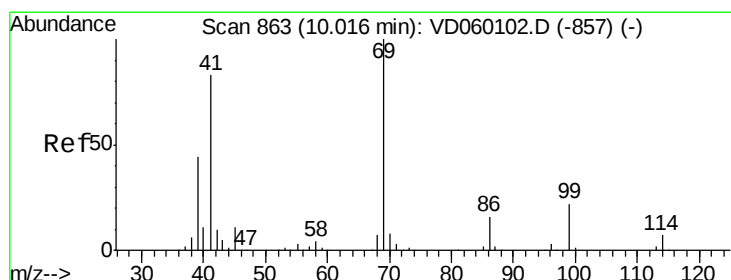
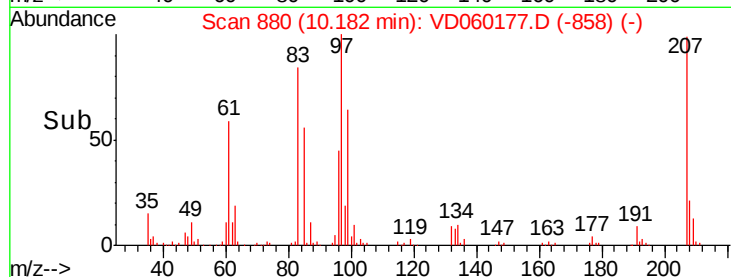
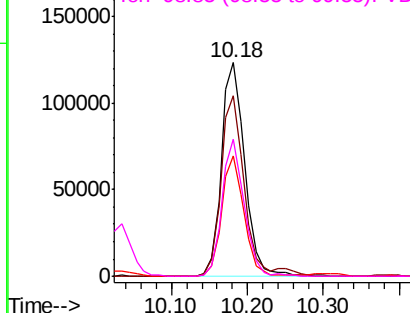
Tot Ion:	97	Resp:	263444
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.0	100.6
85	56.2	43.9	65.9
99	63.9	49.1	73.7

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Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.902 ug/l

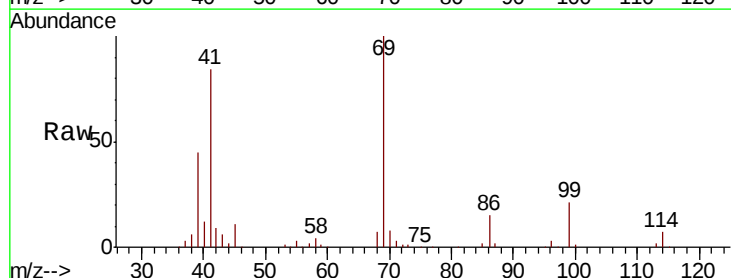
RT: 10.03 min Scan# 865

Delta R.T. 0.02 min

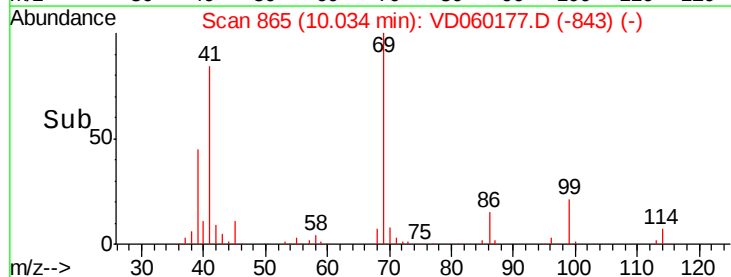
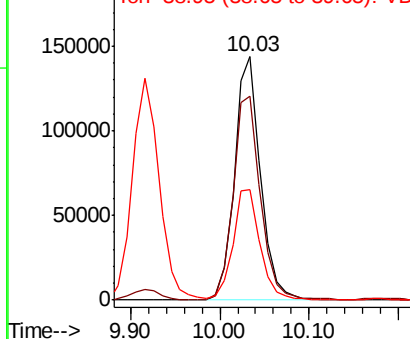
Lab File: VD060177.D

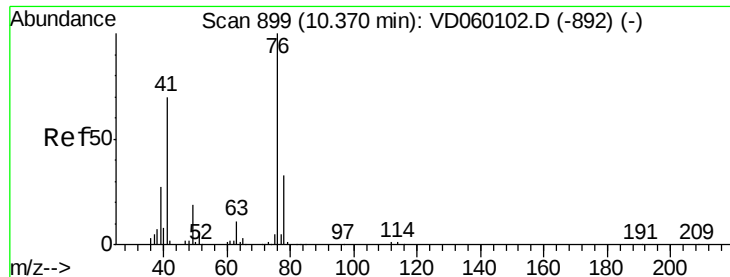
Acq: 24 Oct 2018 13:01

Tgt Ion:	69	Resp:	291426
Ion	Ratio	Lower	Upper
69	100		
41	83.8	66.6	100.0
39	45.4	36.0	54.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





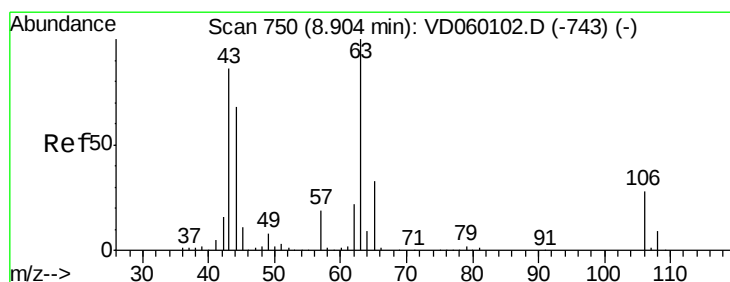
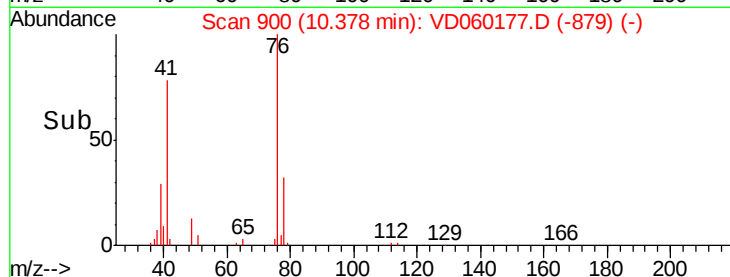
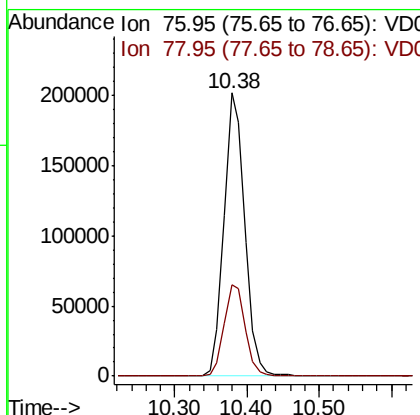
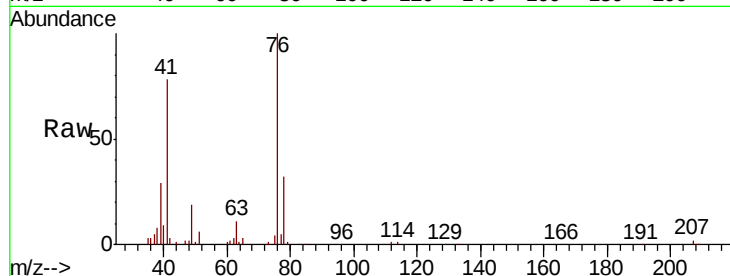
#57
 1,3-Dichloropropane
 Concen: 20.914 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion: 76 Resp: 402876
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2

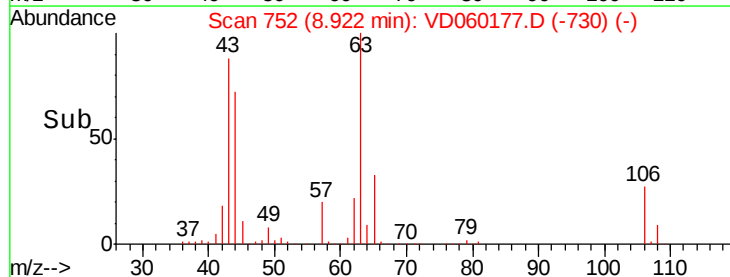
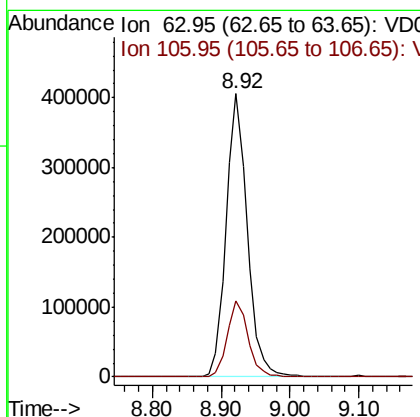
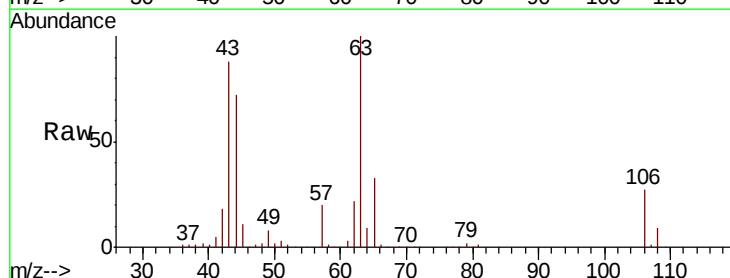
Manual Integrations
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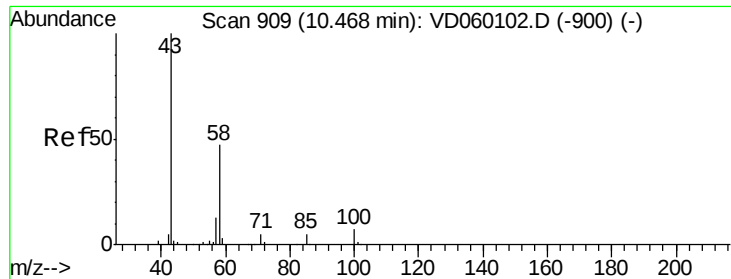
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#58
 2-Chloroethyl Vinyl ether
 Concen: 111.390 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion: 63 Resp: 862438
 Ion Ratio Lower Upper
 63 100
 106 26.6 22.6 34.0





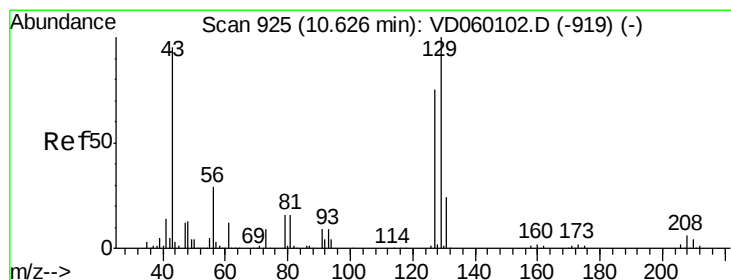
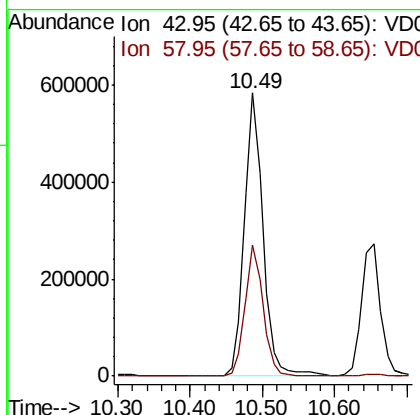
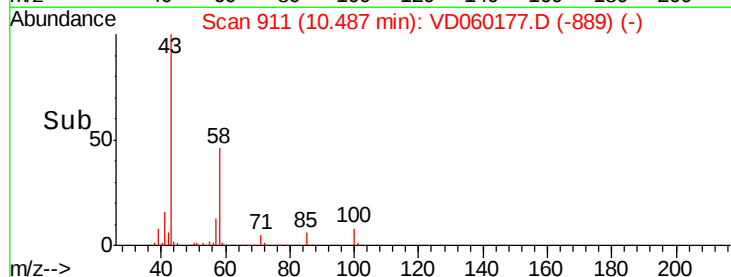
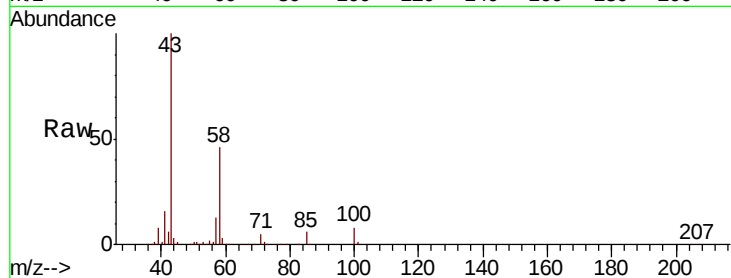
#59
2-Hexanone
Concen: 116.914 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion: 43 Resp: 1061831
Ion Ratio Lower Upper
43 100
58 46.2 23.3 69.9

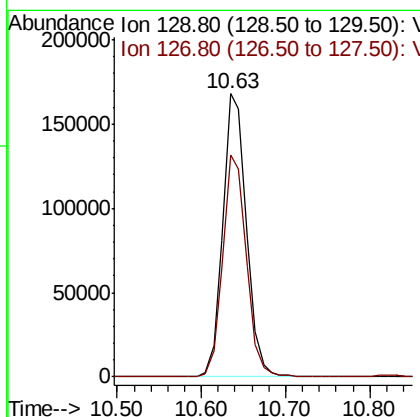
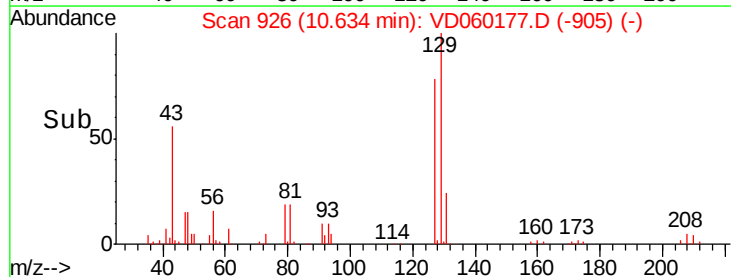
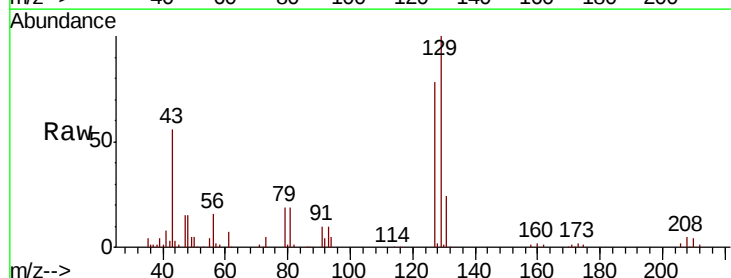
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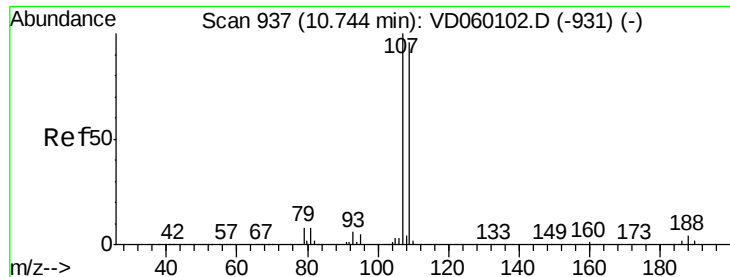
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#60
Dibromochloromethane
Concen: 20.988 ug/l
RT: 10.63 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion: 129 Resp: 325258
Ion Ratio Lower Upper
129 100
127 78.2 37.4 112.2





#61

1,2-Dibromoethane

Concen: 20.468 ug/l

RT: 10.76 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion:107 Resp: 274690

Ion Ratio Lower Upper

107 100

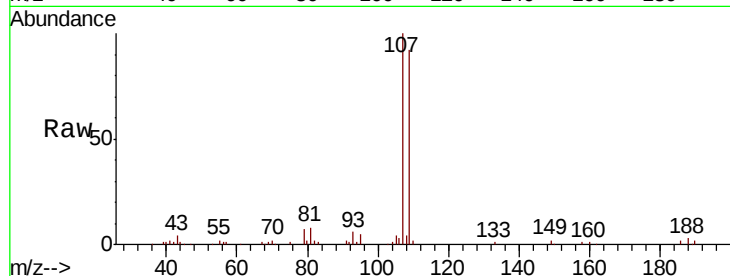
109 92.1 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

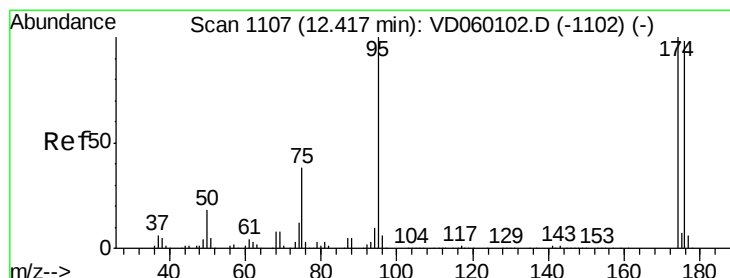
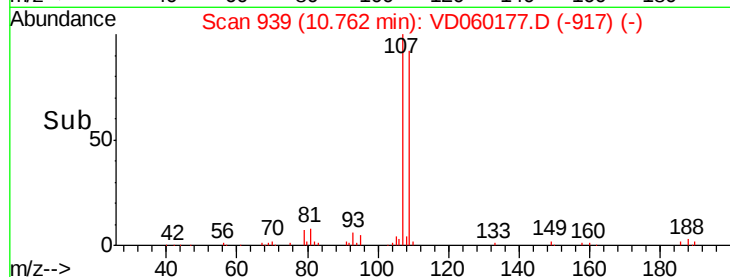
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.468 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

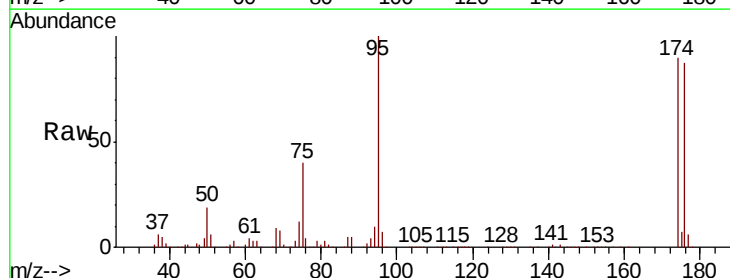
Tgt Ion: 95 Resp: 915542

Ion Ratio Lower Upper

95 100

174 89.6 0.0 200.2

176 87.2 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

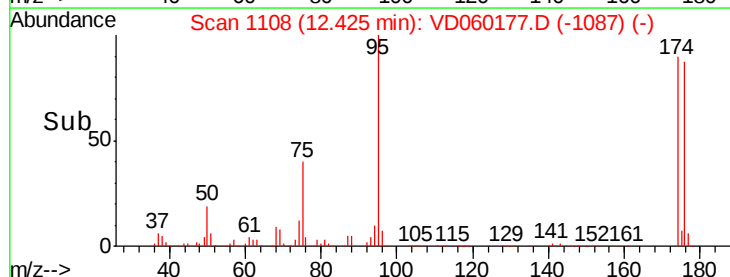
600000

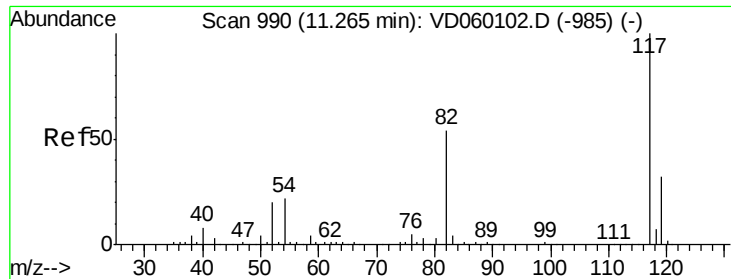
400000

200000

0

Time-->





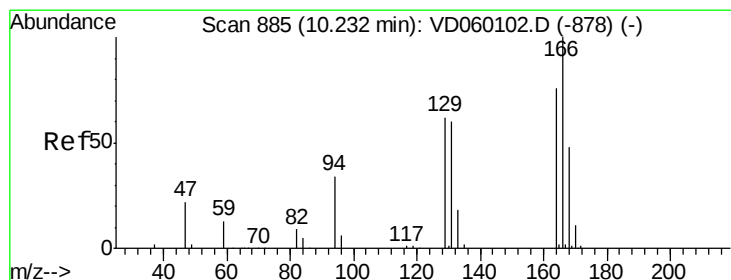
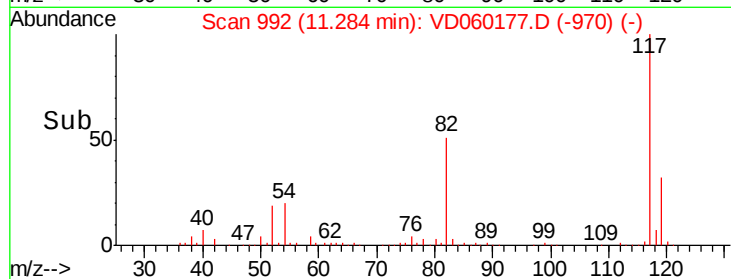
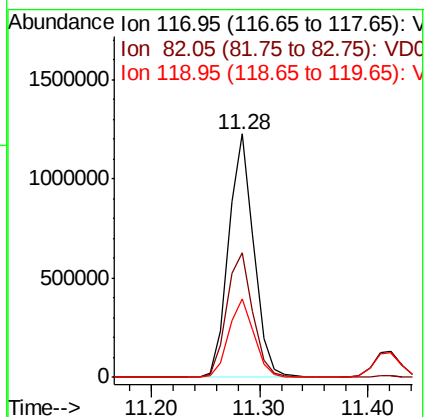
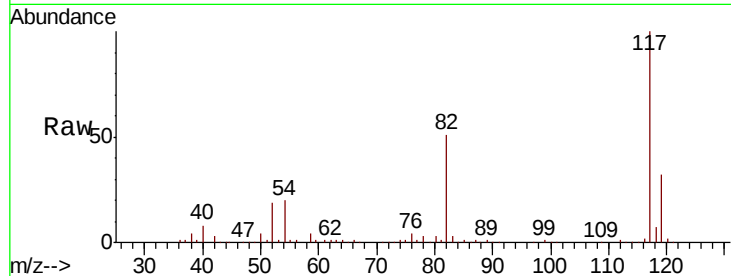
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion:117 Resp: 1980944
Ion Ratio Lower Upper
117 100
82 51.4 43.4 65.2
119 32.4 26.0 39.0

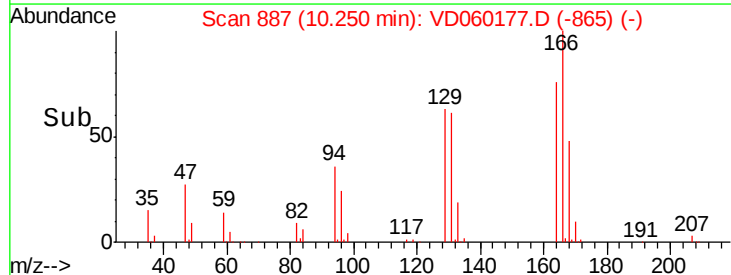
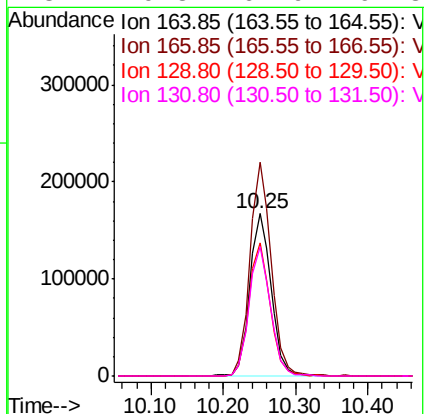
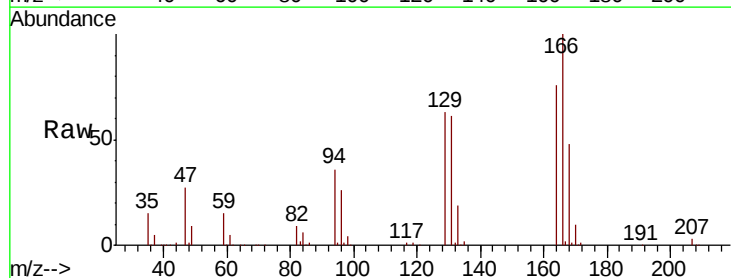
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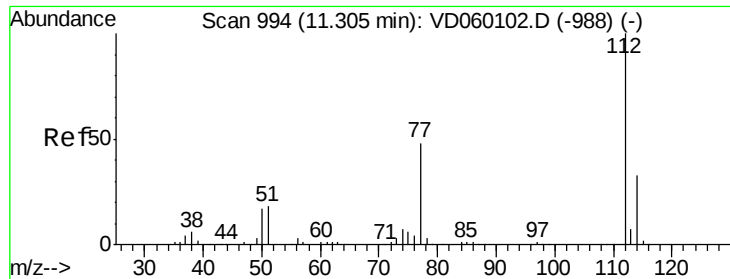
apatel
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#64
Tetrachloroethene
Concen: 20.090 ug/l
RT: 10.25 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion:164 Resp: 348571
Ion Ratio Lower Upper
164 100
166 131.5 105.4 158.0
129 82.3 65.7 98.5
131 79.8 62.9 94.3





#65

Chlorobenzene

Concen: 20.853 ug/l

RT: 11.31 min Scan# 995

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion:112 Resp: 893655

Ion Ratio Lower Upper

112 100

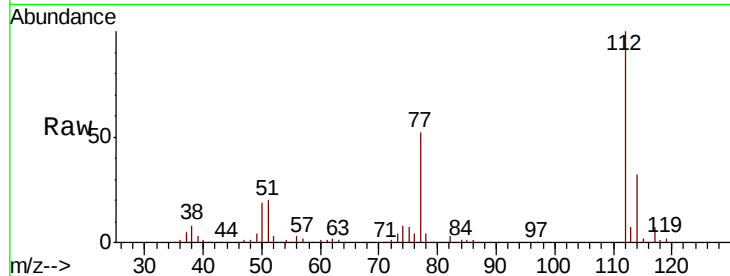
114 32.2 26.0 39.0

Manual Integrations

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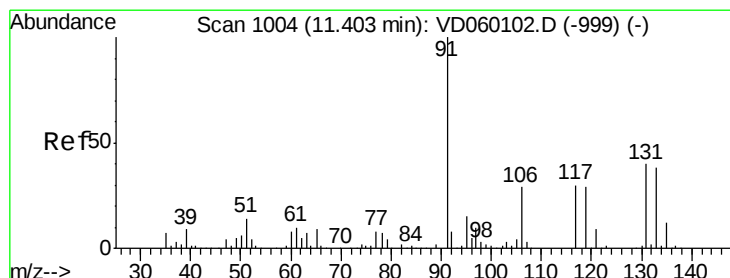
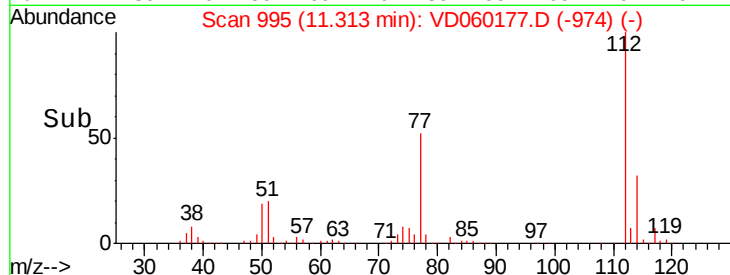
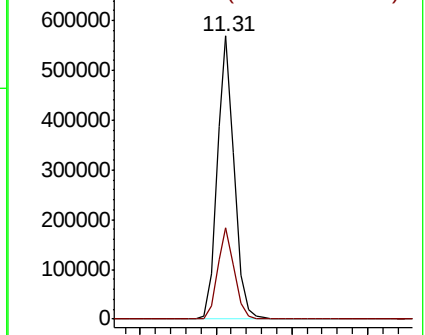
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.777 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

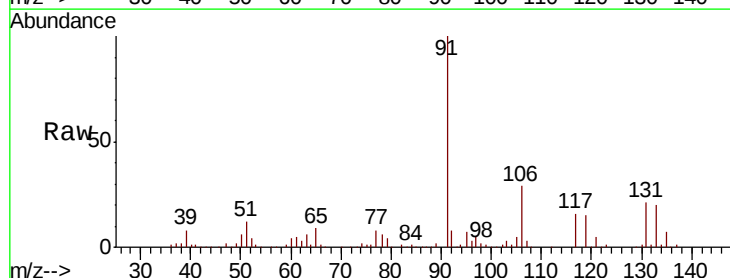
Tgt Ion:131 Resp: 311338

Ion Ratio Lower Upper

131 100

133 96.0 47.4 142.3

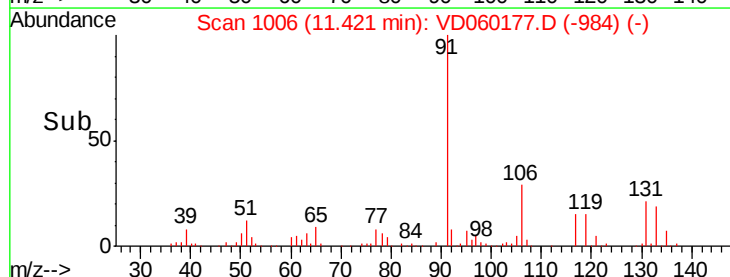
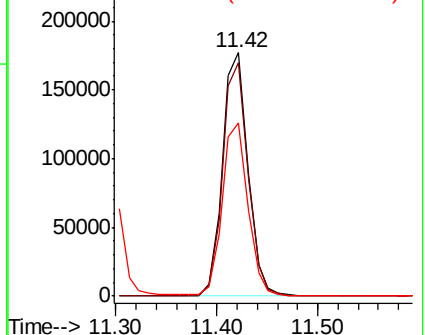
119 71.2 36.1 108.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





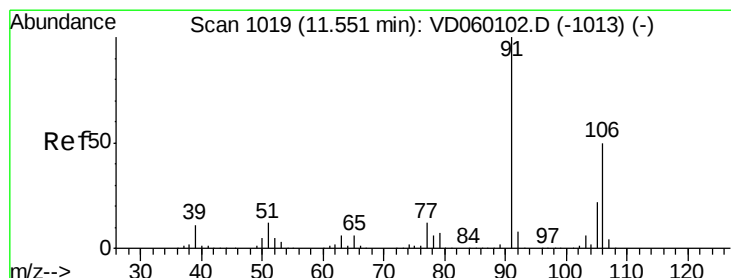
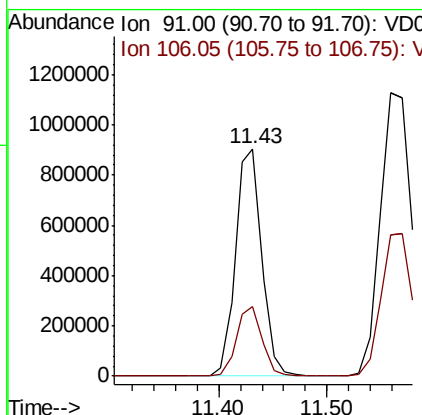
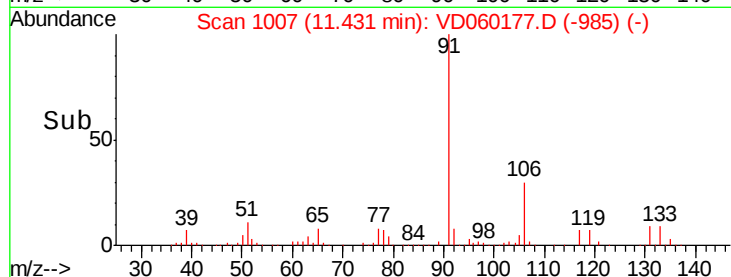
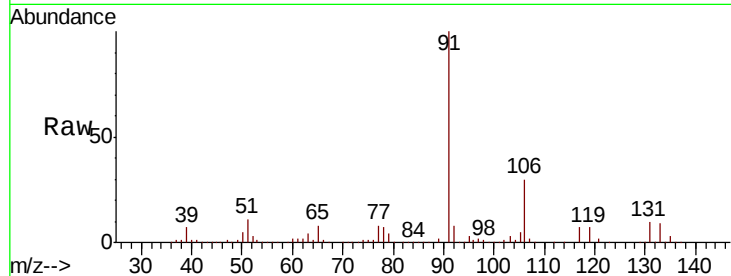
#67
Ethyl Benzene
Concen: 21.906 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion: 91 Resp: 1521010
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6

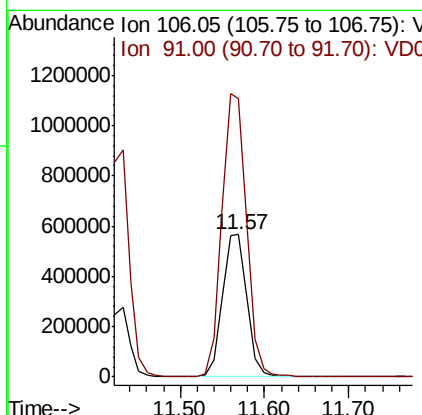
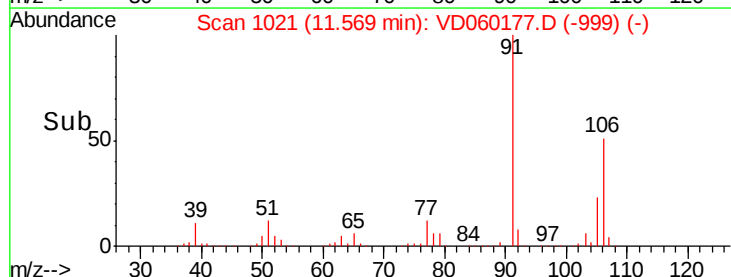
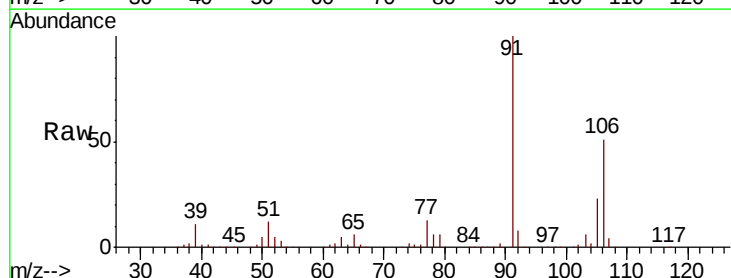
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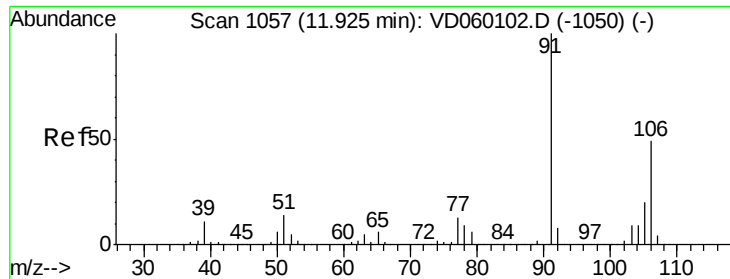
apatel
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#68
m/p-Xylenes
Concen: 43.527 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion: 106 Resp: 1129198
Ion Ratio Lower Upper
106 100
91 195.7 160.0 240.0





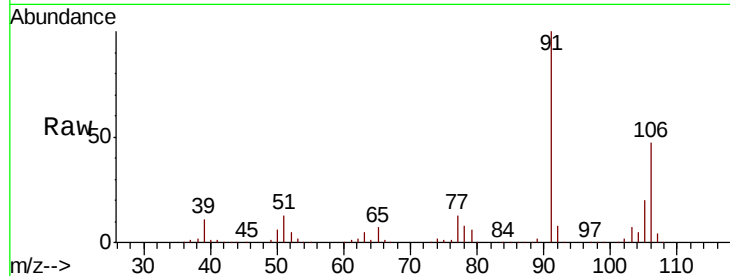
#69
o-Xylene
Concen: 21.379 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

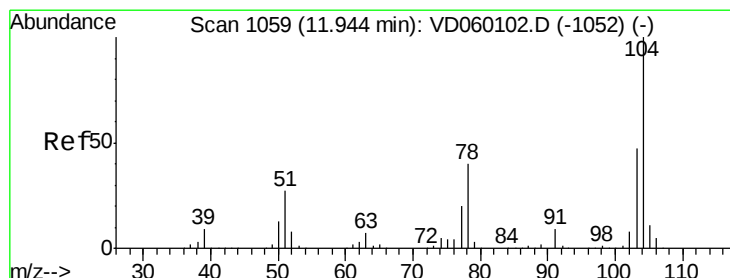
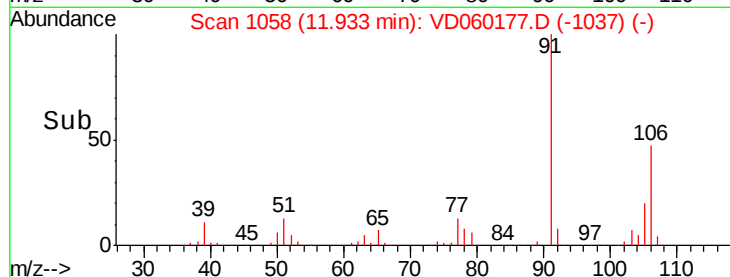
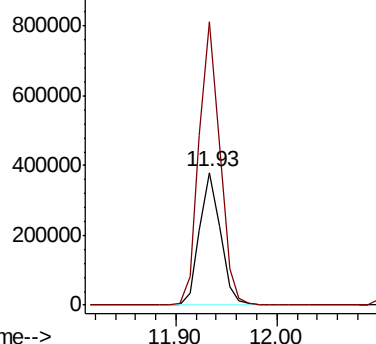
Tot Ion:106 Resp: 548602
Ion Ratio Lower Upper
106 100
91 213.8 102.5 307.5

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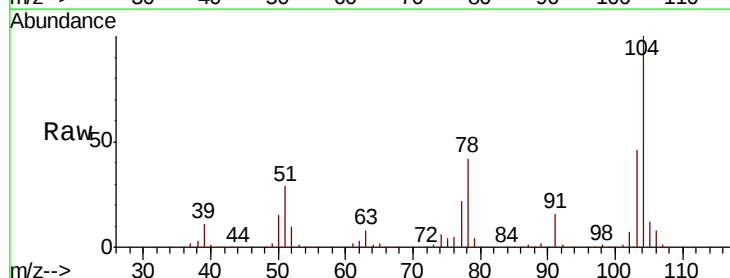


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

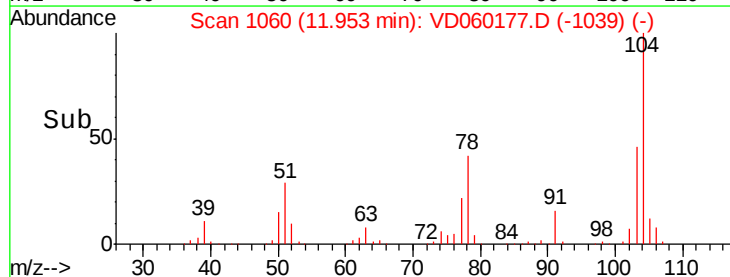
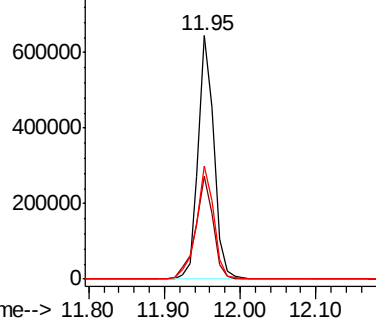


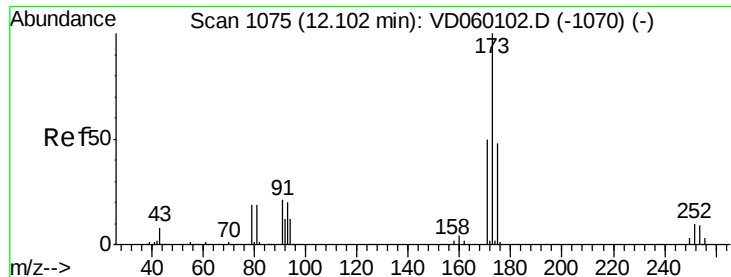
#70
Styrene
Concen: 21.607 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion:104 Resp: 927223
Ion Ratio Lower Upper
104 100
78 42.2 32.2 48.4
103 46.4 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: 19.918 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

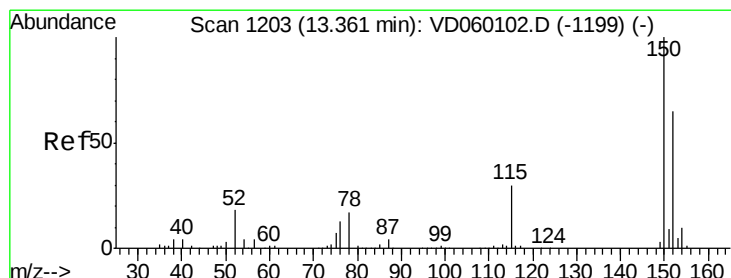
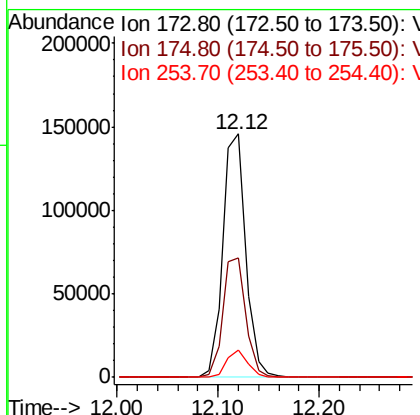
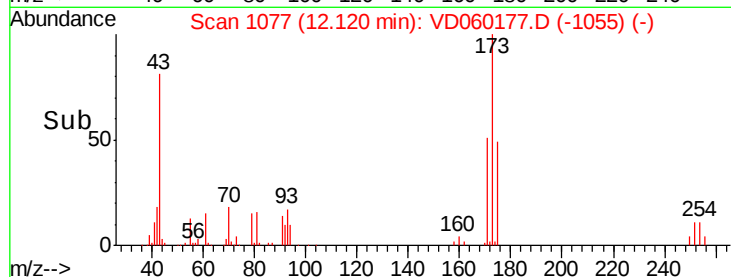
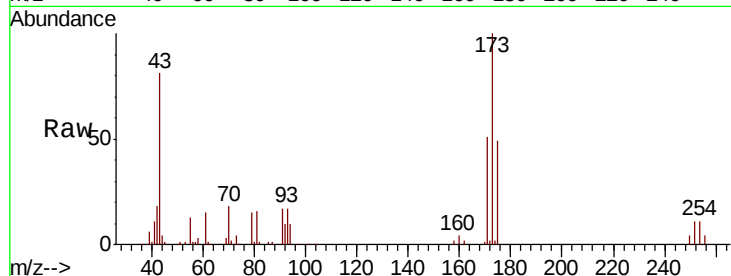
ClientSampleId :

VD1024SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.4
254	11.3	7.4	11.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

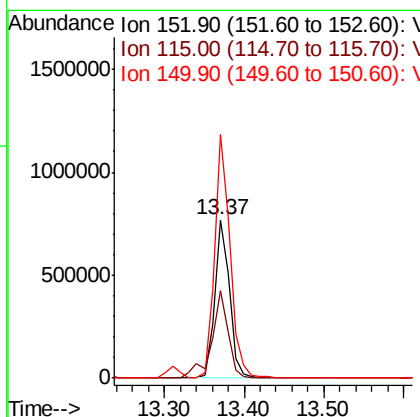
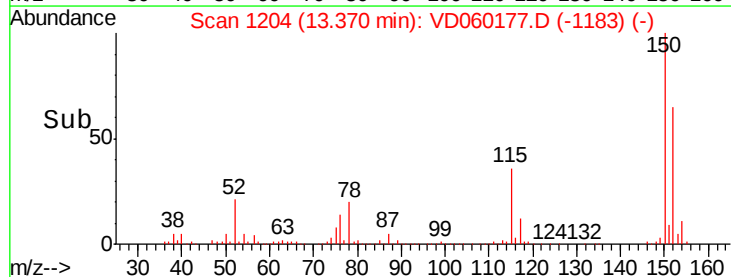
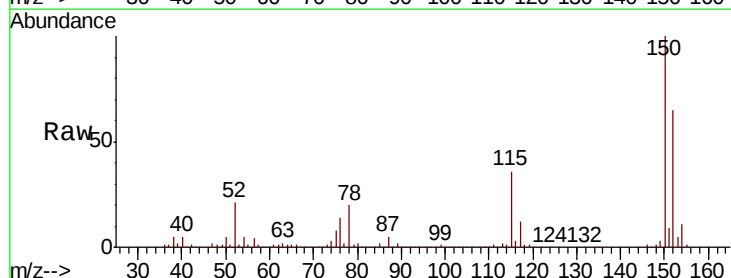
RT: 13.37 min Scan# 1204

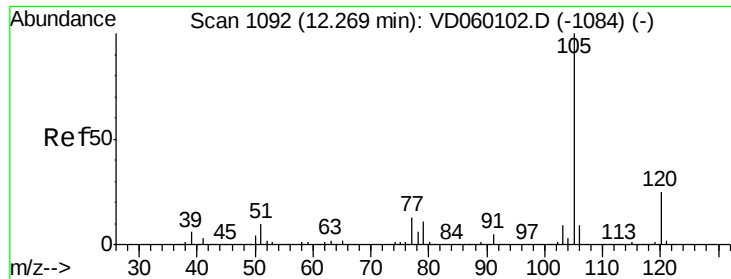
Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.1	81.2
150	154.2	0.0	311.8





#73

Isopropylbenzene

Concen: 21.584 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion:105 Resp: 1432447

Ion Ratio Lower Upper

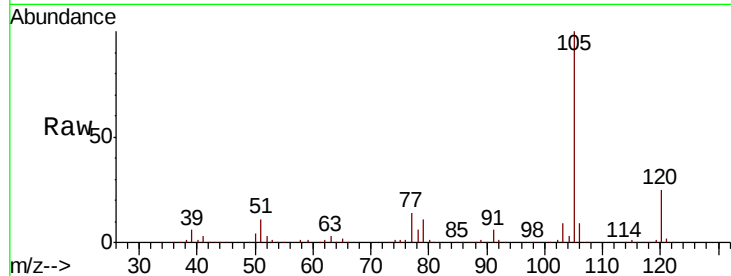
105 100

120 24.8 12.6 37.6

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

400000

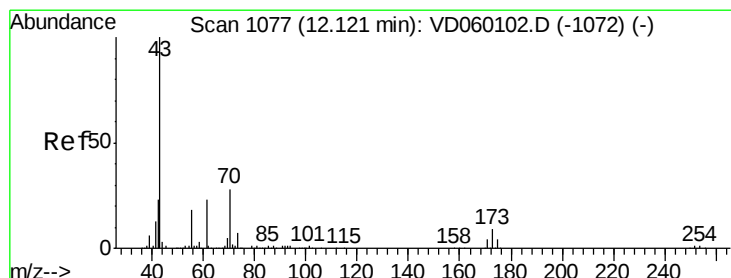
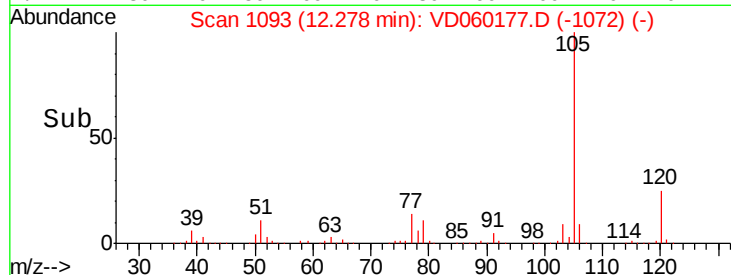
200000

0

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 21.493 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Tgt Ion: 43 Resp: 522482

Ion Ratio Lower Upper

43 100

70 26.8 22.1 33.1

55 17.0 14.1 21.1

61 21.7 18.4 27.6

Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

300000

200000

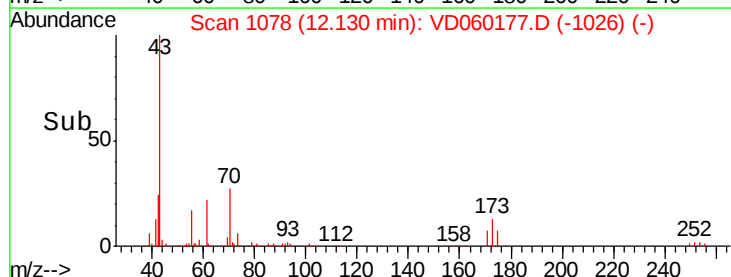
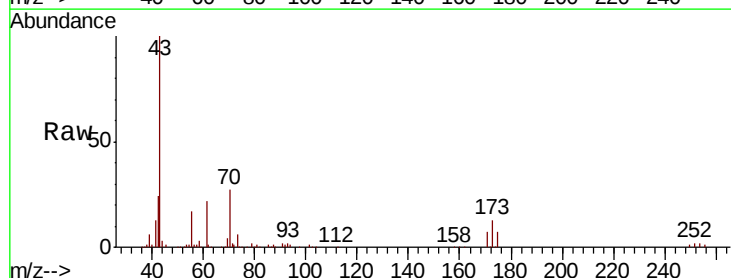
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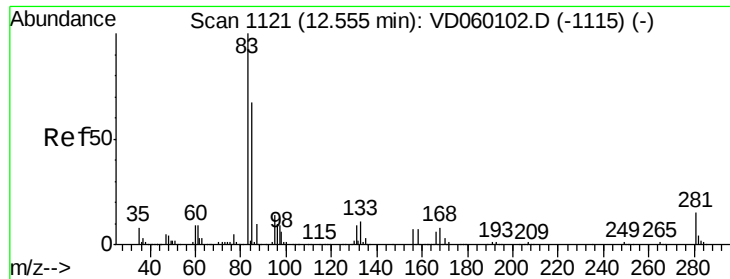
0

12.10

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.648 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD1024SBS01

Tot Ion: 83 Resp: 313653
Ion Ratio Lower Upper

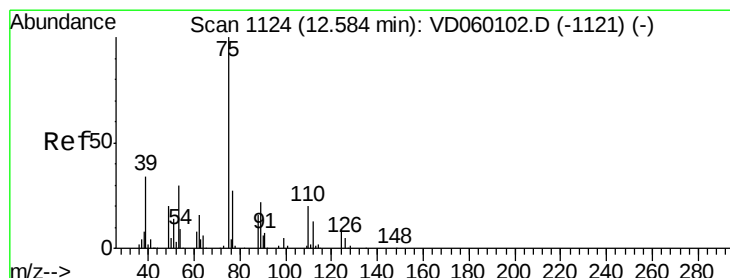
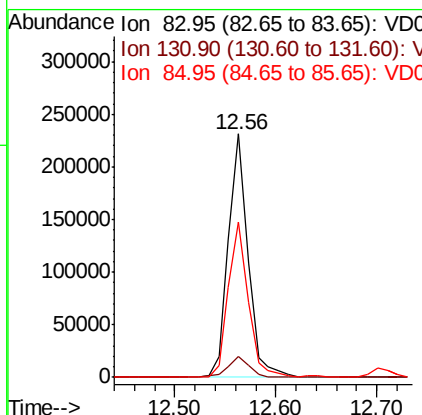
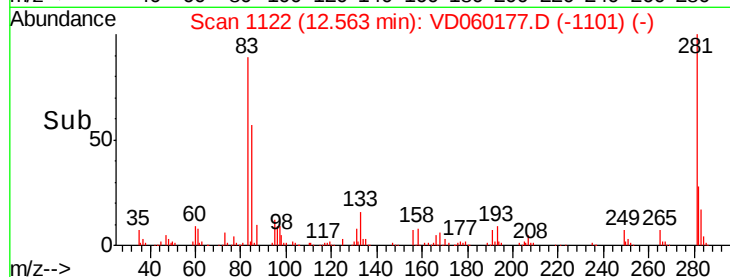
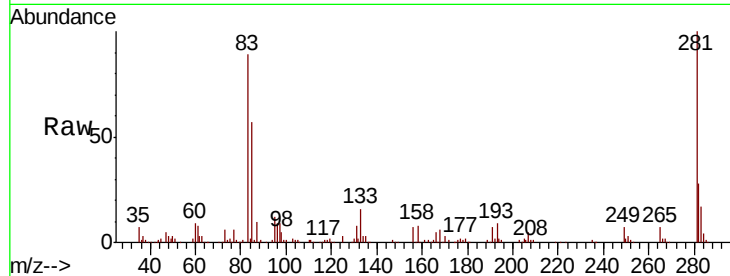
83 100

131 8.6 4.5 13.4

85 63.8 33.3 99.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.005 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

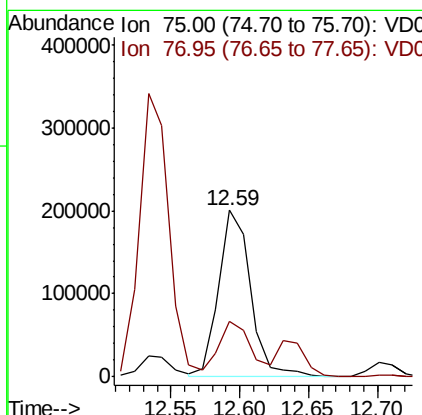
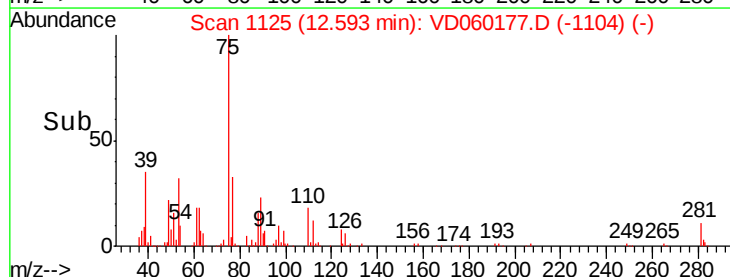
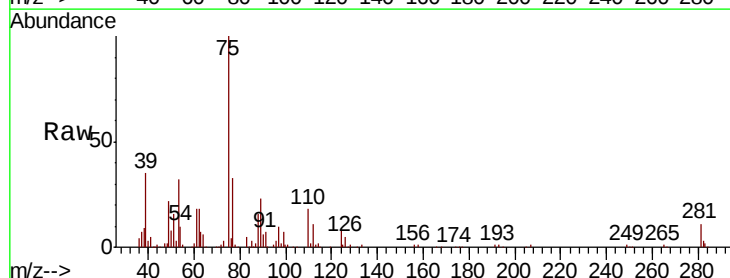
Lab File: VD060177.D

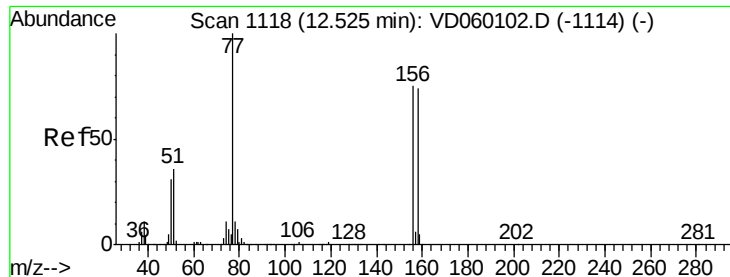
Acq: 24 Oct 2018 13:01

Tgt Ion: 75 Resp: 318794
Ion Ratio Lower Upper

75 100

77 33.1 16.3 48.9





#77

Bromobenzene

Concen: 21.244 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Instrument :

MSVOA_D

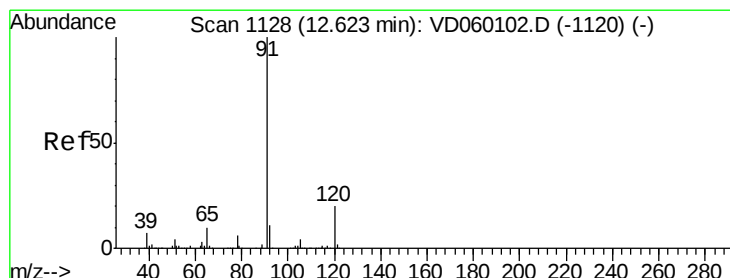
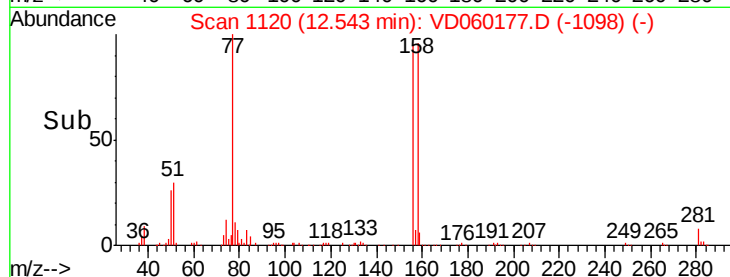
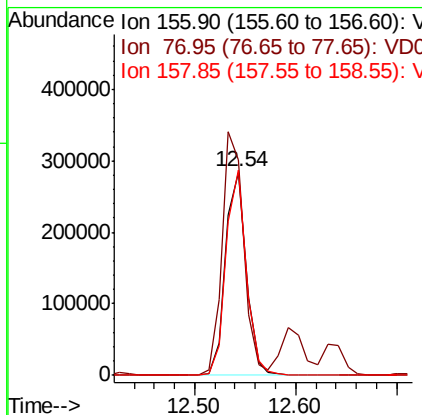
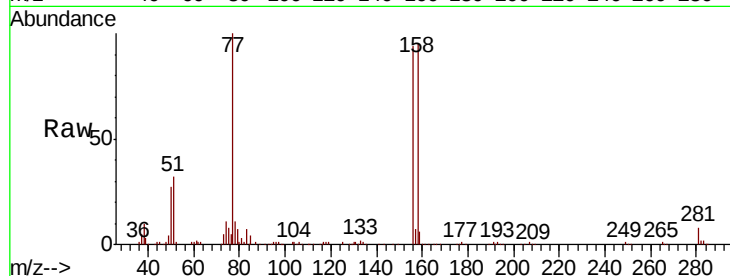
ClientSampleId :

VD1024SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	106.5	66.9	200.7		
158	101.2	49.1	147.4		

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#78

n-propylbenzene

Concen: 22.738 ug/l

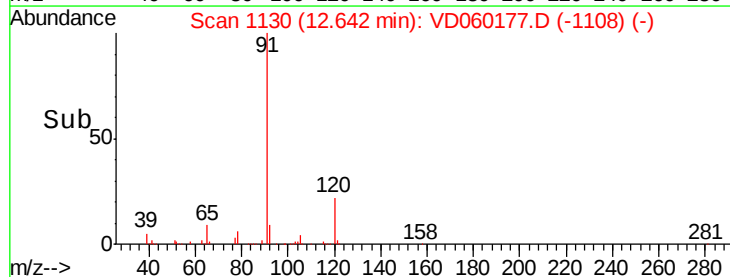
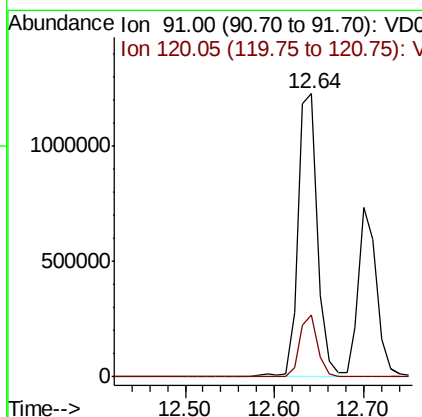
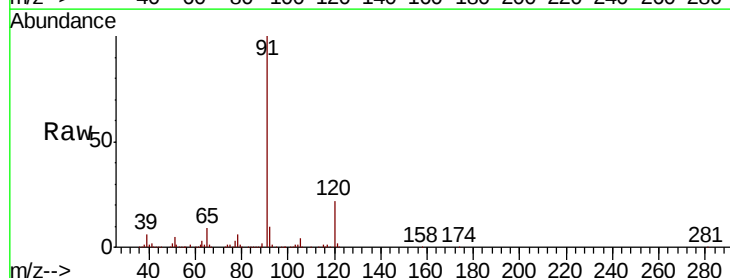
RT: 12.64 min Scan# 1130

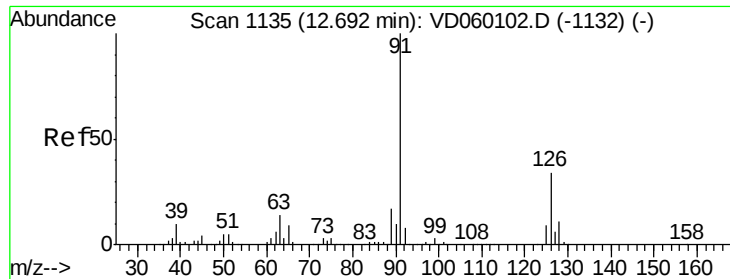
Delta R.T. 0.02 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.0	10.0	30.0		





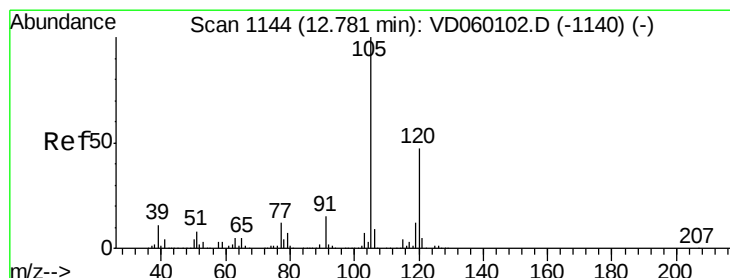
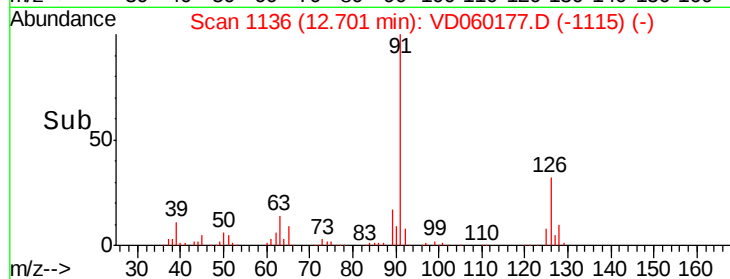
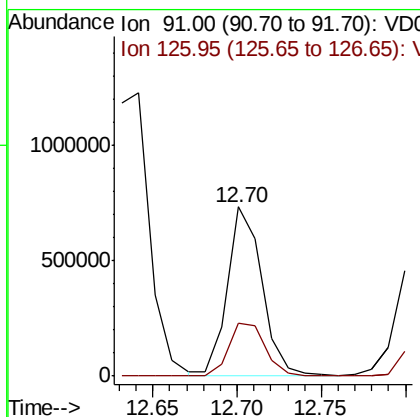
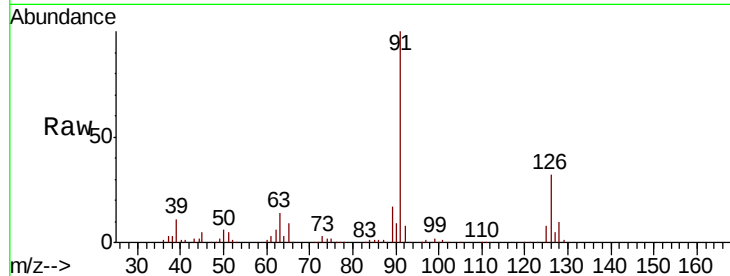
#79
 2-Chlorotoluene
 Concen: 22.445 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion: 91 Resp: 1026576
 Ion Ratio Lower Upper
 91 100
 126 31.7 16.8 50.3

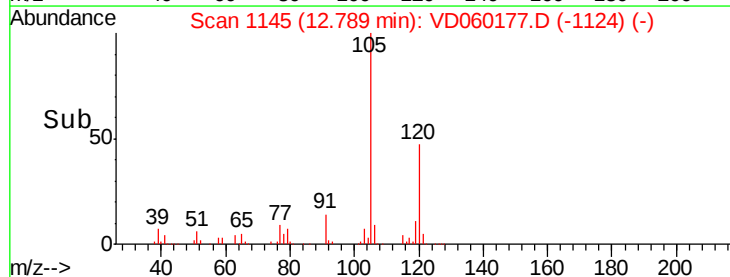
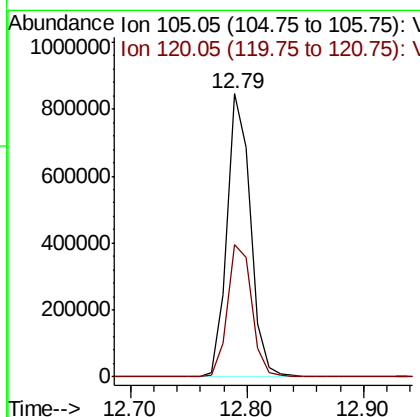
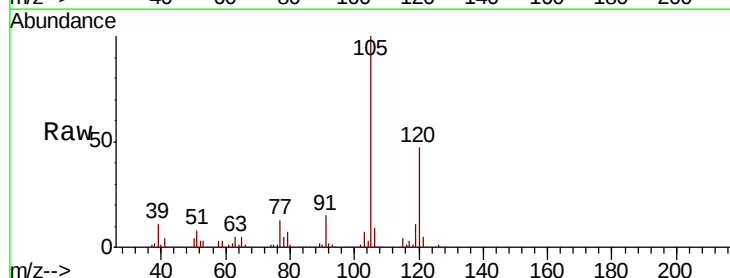
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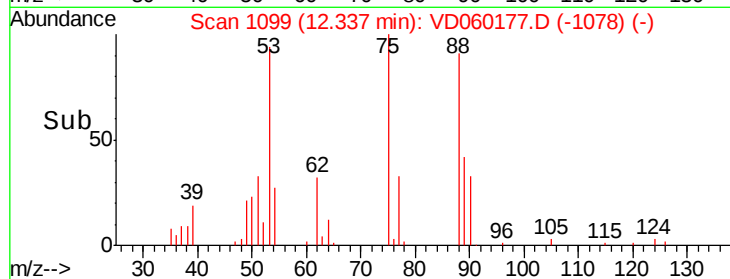
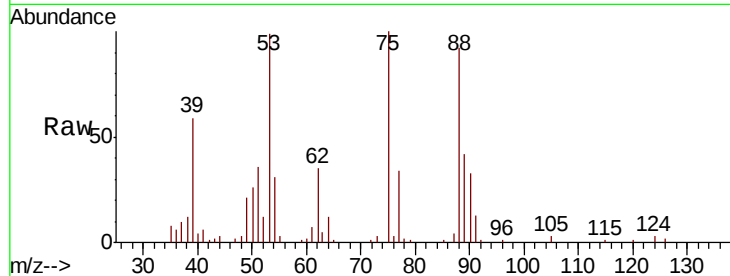
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.863 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion: 105 Resp: 1174322
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 21.998 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Tot Ion:	75	Resp:	89548
Ion	Ratio	Lower	Upper
75	100		
53	99.0	73.0	109.6
89	41.9	32.0	48.0

Instrument :

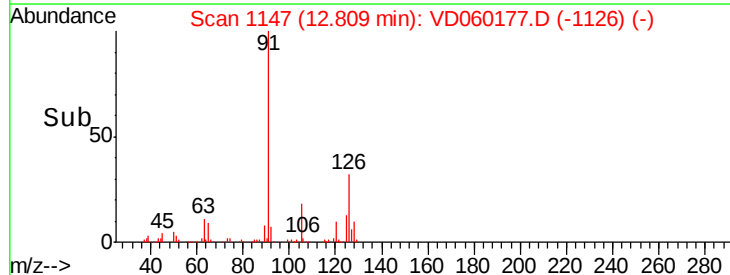
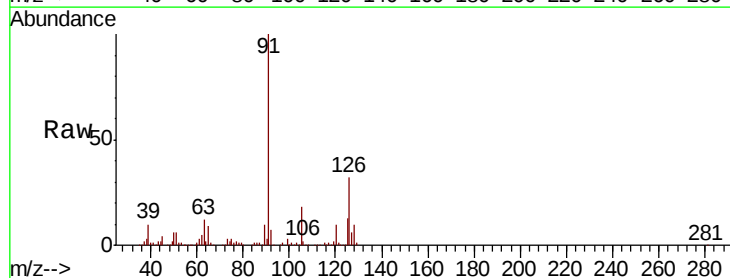
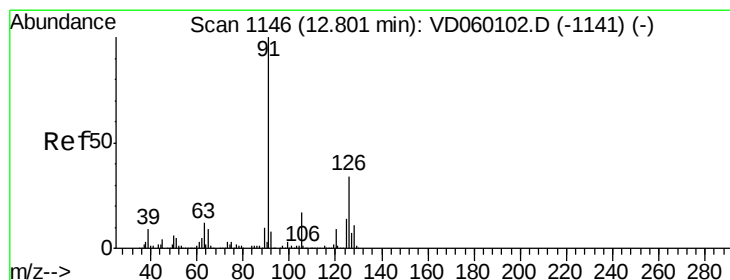
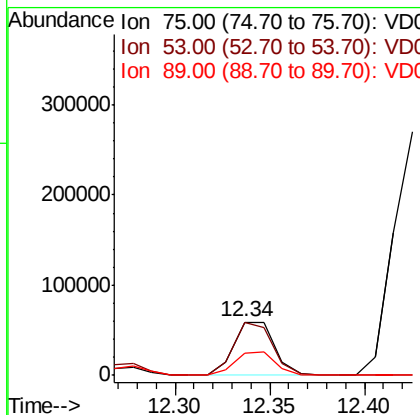
MSVOA_D

ClientSampleId :

VD1024SBS01

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#82

4-Chlorotoluene

Concen: 23.020 ug/l

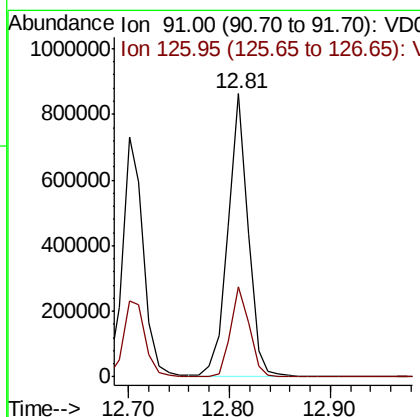
RT: 12.81 min Scan# 1147

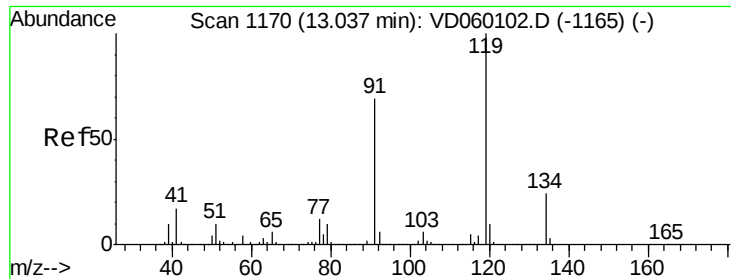
Delta R.T. 0.01 min

Lab File: VD060177.D

Acq: 24 Oct 2018 13:01

Tgt Ion:	91	Resp:	1190848
Ion	Ratio	Lower	Upper
91	100		
126	32.0	17.1	51.2





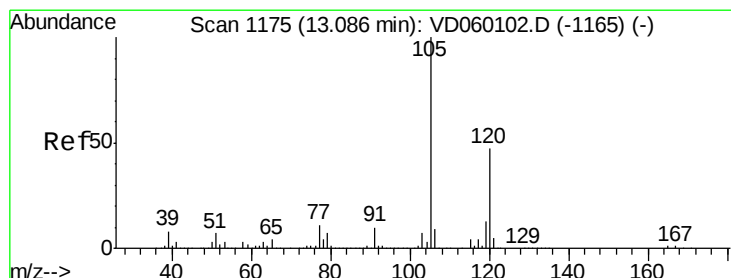
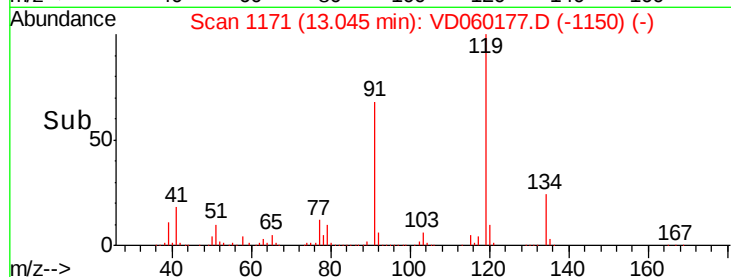
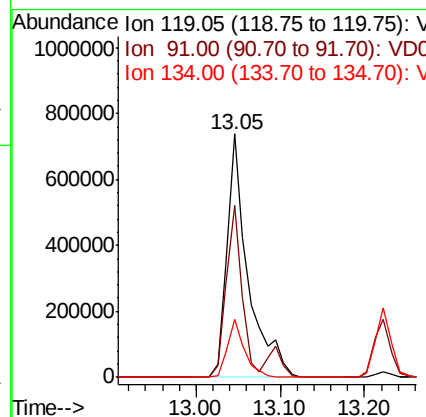
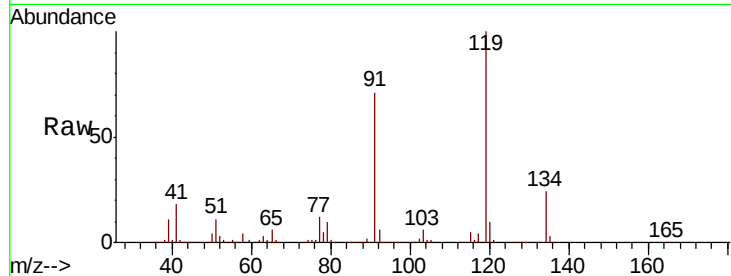
#83
tert-Butylbenzene
Concen: 21.835 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.7	34.8	104.4
134	23.7	11.8	35.4

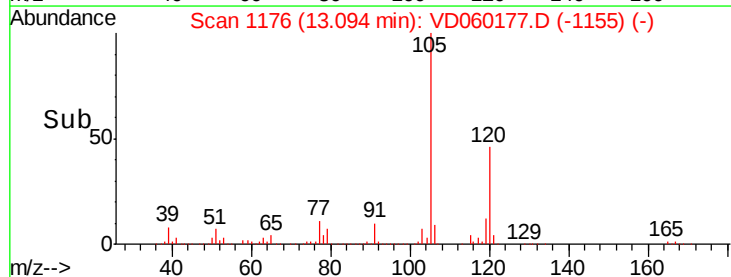
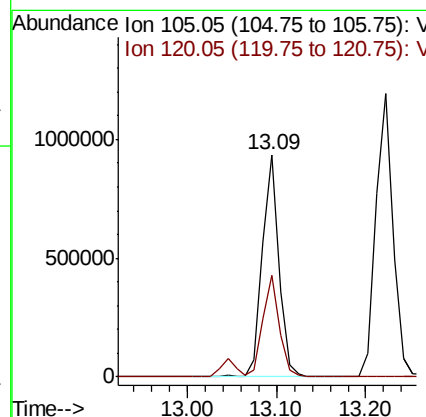
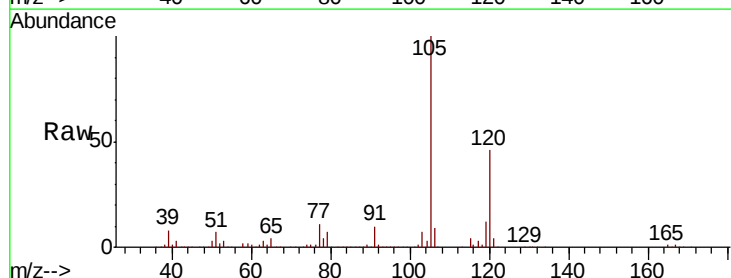
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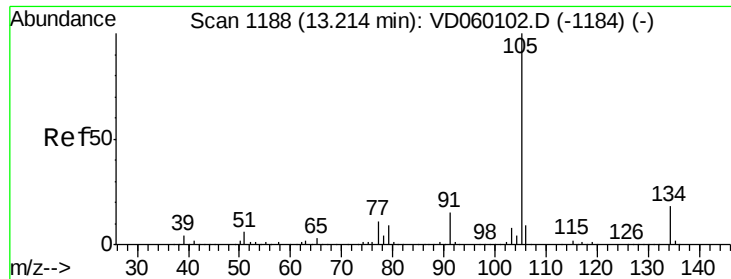
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#84
1,2,4-Trimethylbenzene
Concen: 22.121 ug/l
RT: 13.09 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.4	70.0





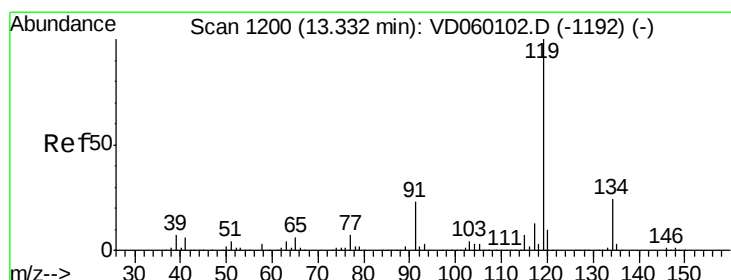
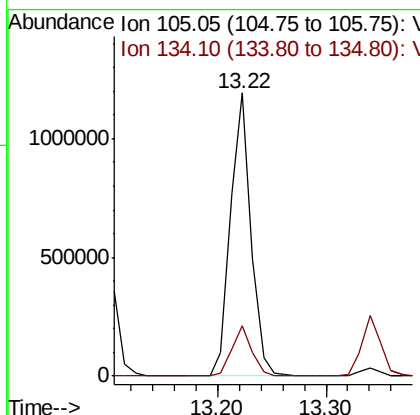
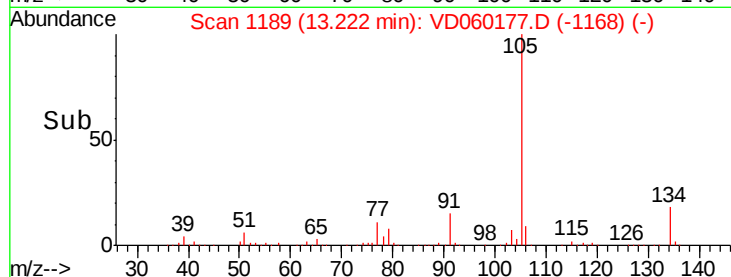
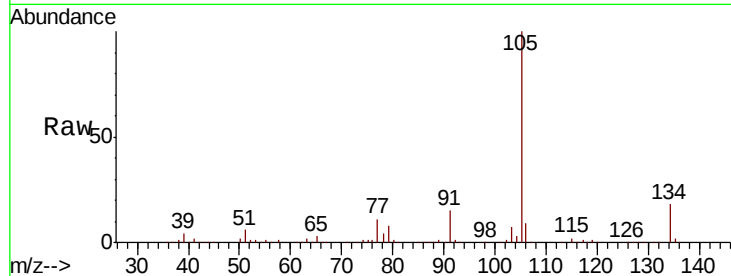
#85
 sec-Butylbenzene
 Concen: 22.492 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion:105 Resp: 1567519
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.8 26.2

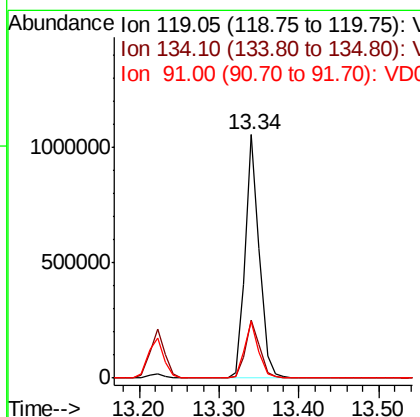
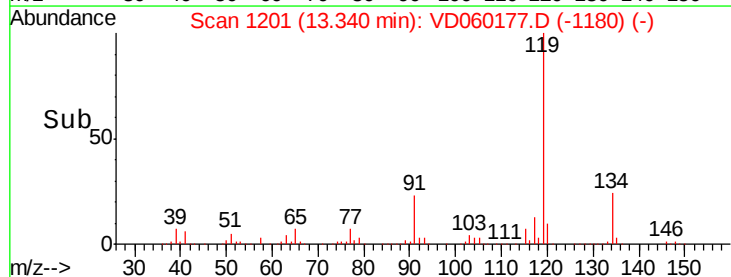
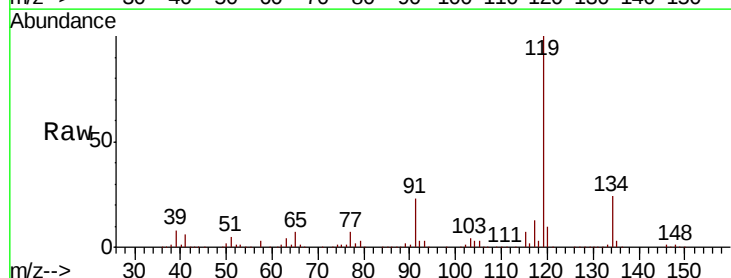
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#86
 p-Isopropyltoluene
 Concen: 22.578 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion:119 Resp: 1290626
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.3 36.8
 91 23.4 11.8 35.4





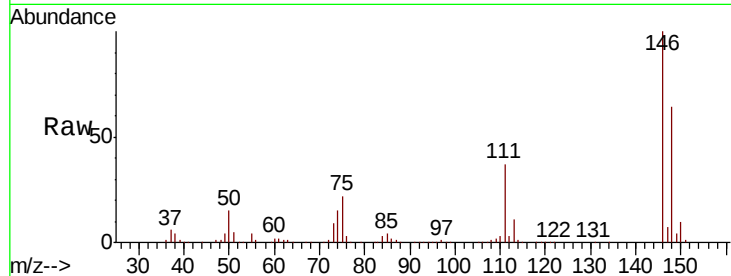
#87
 1,3-Dichlorobenzene
 Concen: 21.506 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

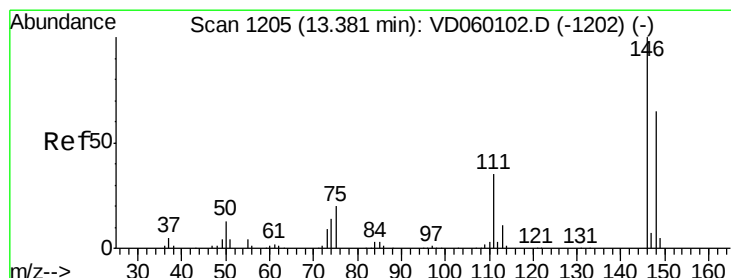
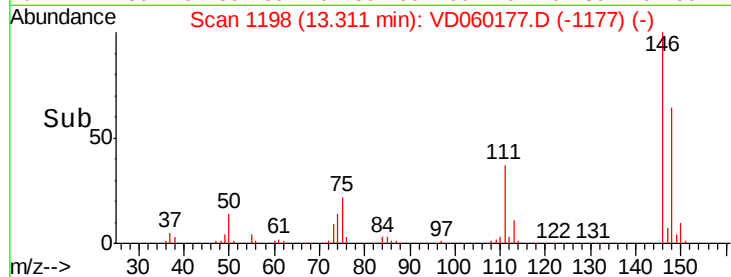
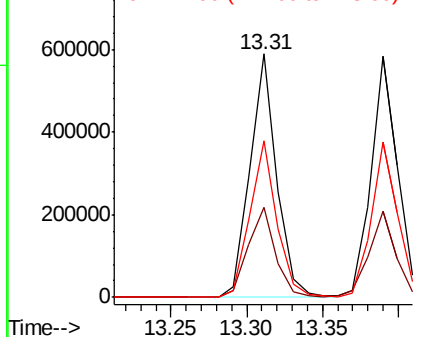
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.3
148	64.2	32.3	96.9

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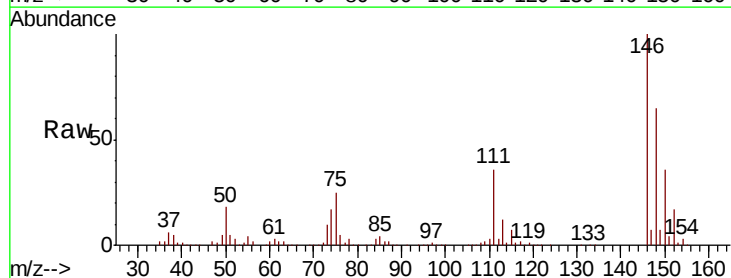


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

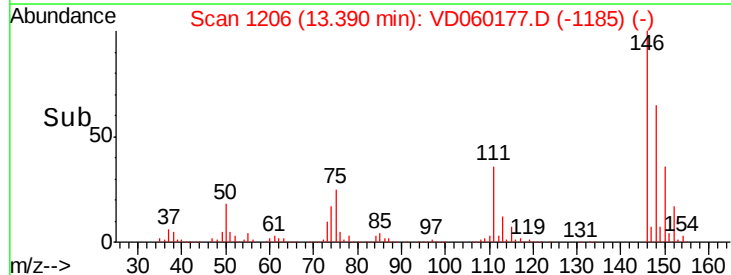
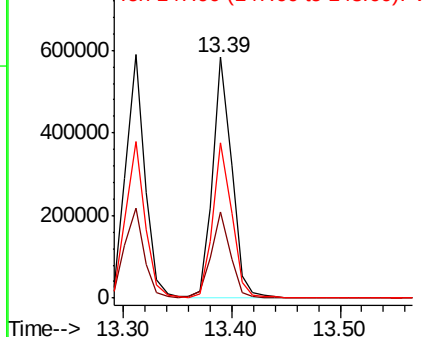


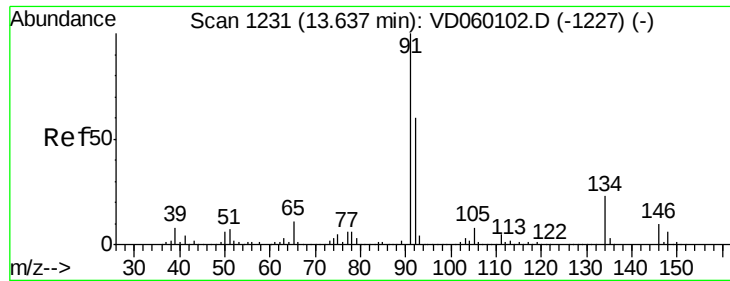
#88
 1,4-Dichlorobenzene
 Concen: 21.253 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.8	53.3
148	64.7	32.4	97.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





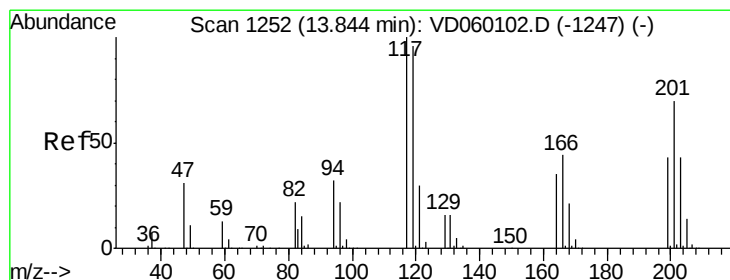
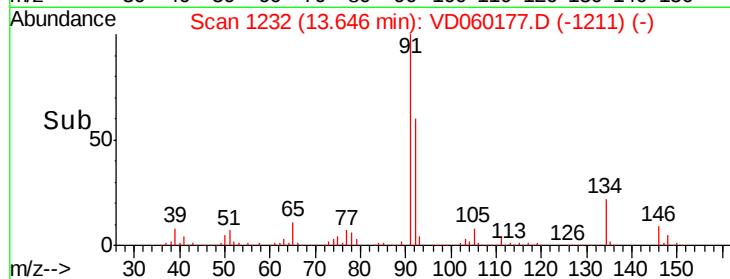
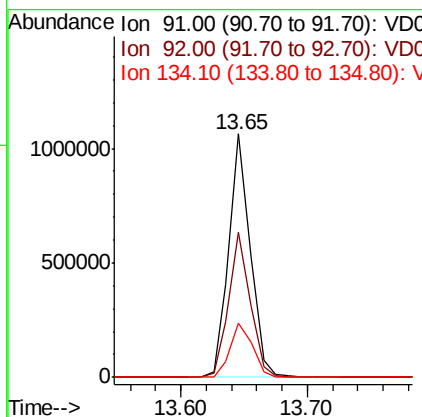
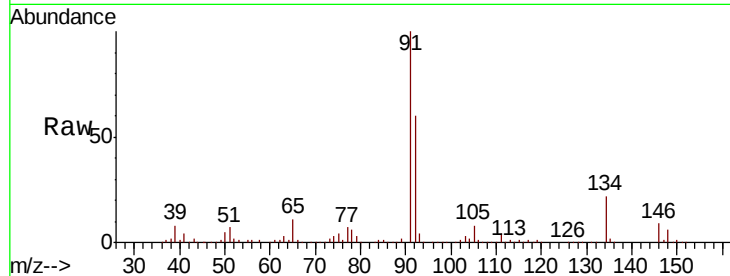
#89
n-Butylbenzene
Concen: 22.390 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion: 91 Resp: 1248808
Ion Ratio Lower Upper
91 100
92 59.6 30.1 90.3
134 22.2 11.6 34.7

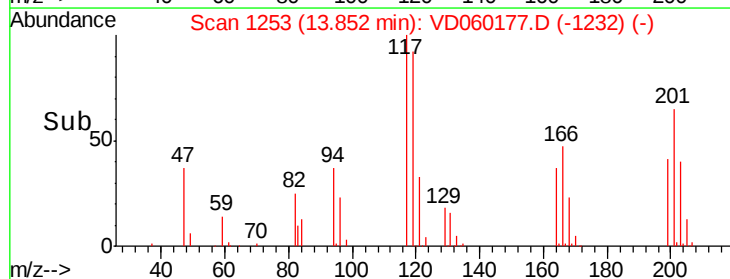
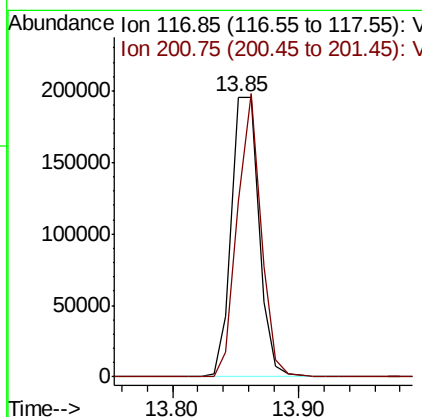
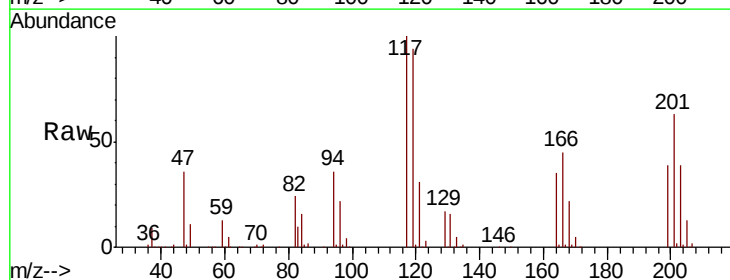
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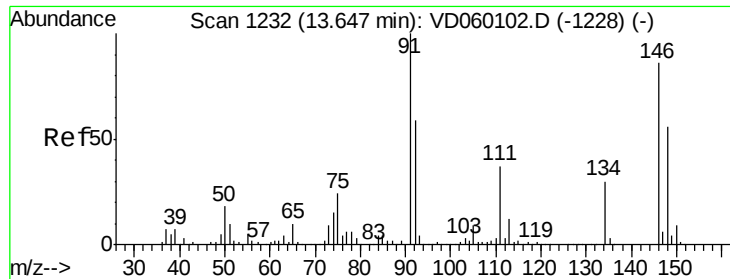
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#90
Hexachloroethane
Concen: 22.350 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion: 117 Resp: 295672
Ion Ratio Lower Upper
117 100
201 62.8 34.8 104.5





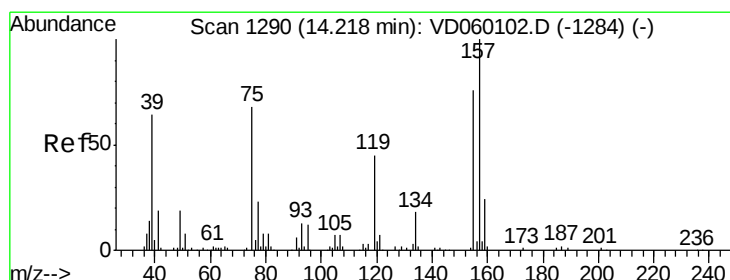
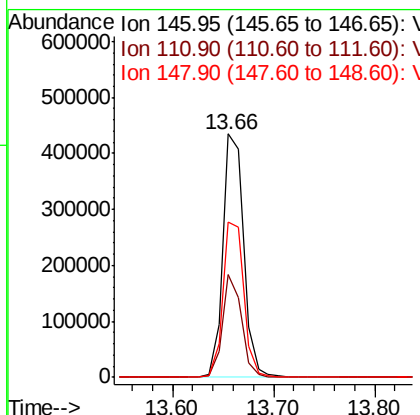
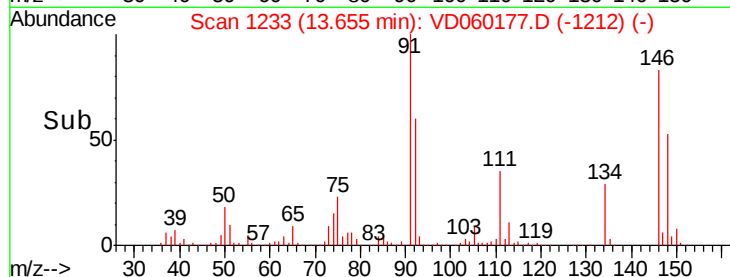
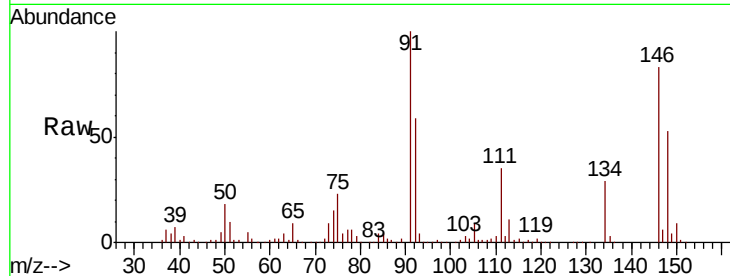
#91
 1,2-Dichlorobenzene
 Concen: 22.022 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.4	64.3
148	63.6	32.2	96.6

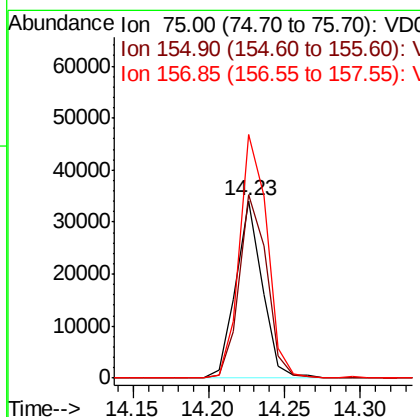
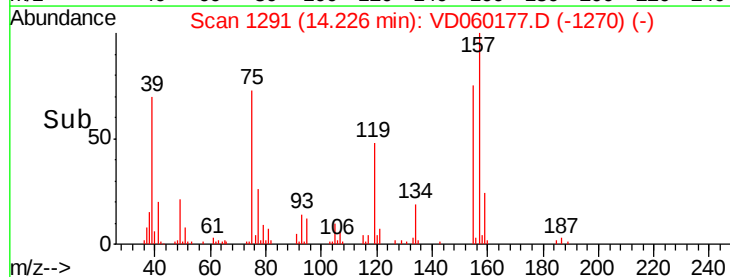
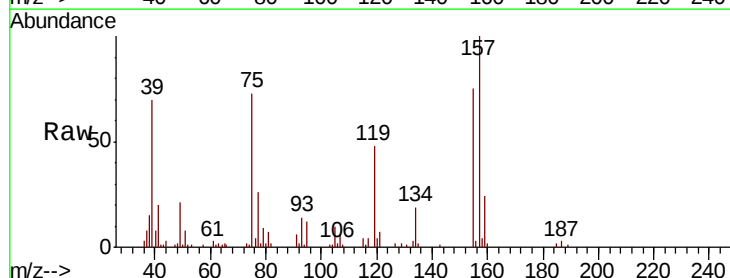
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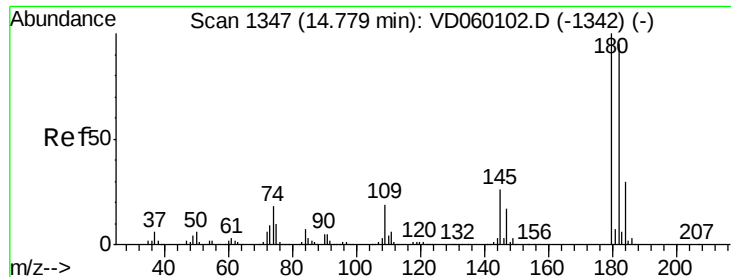
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.382 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060177.D
 Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.5	55.9	167.7
157	137.5	73.3	219.8





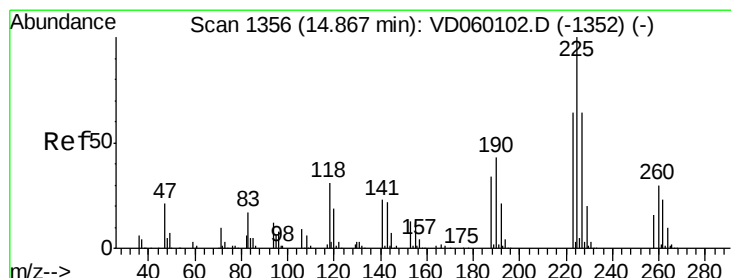
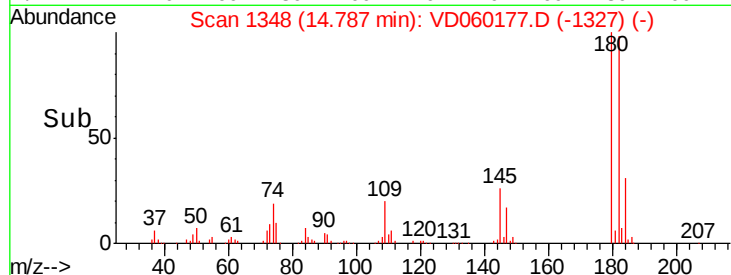
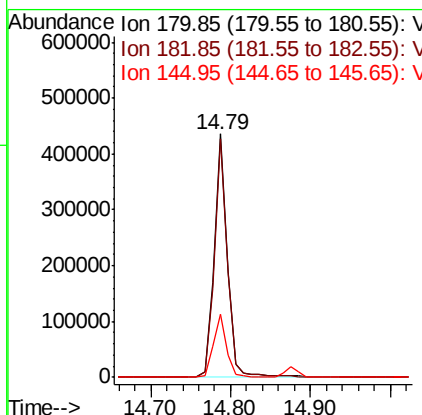
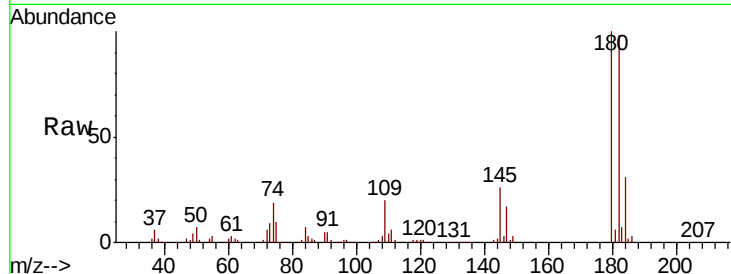
#93
1,2,4-Trichlorobenzene
Concen: 21.287 ug/l
RT: 14.79 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	510466		
182	97.8	47.3	141.8	
145	25.9	13.0	38.9	

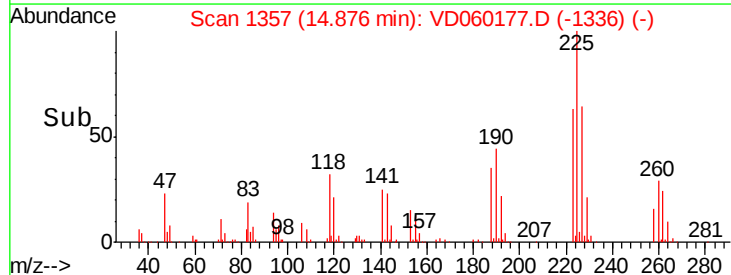
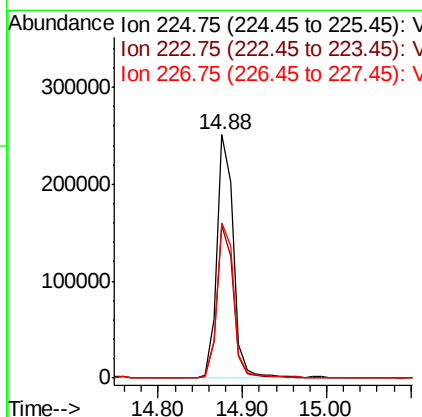
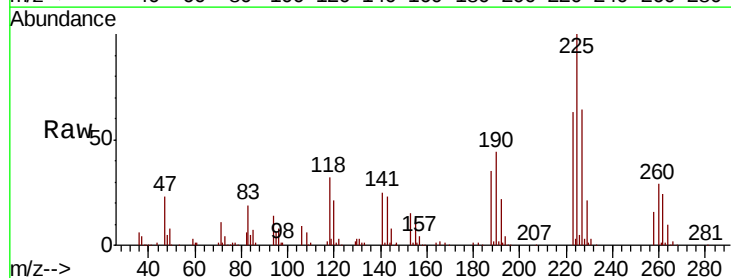
Manual Integrations
APPROVED

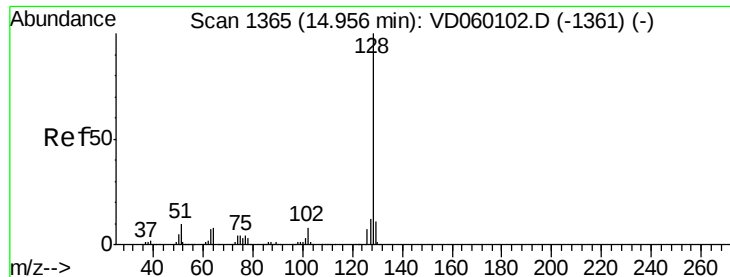
apatel
10/25/2018 4:48:58 PM



#94
Hexachlorobutadiene
Concen: 21.498 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	342671		
223	62.7	31.8	95.4	
227	64.0	32.0	96.0	





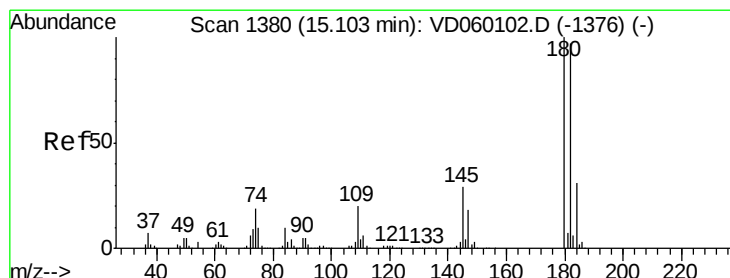
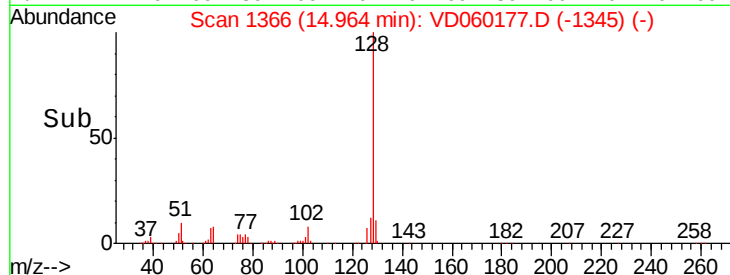
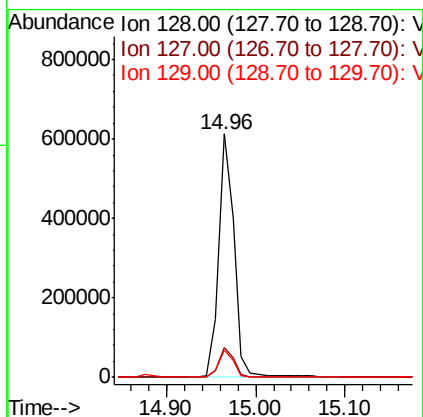
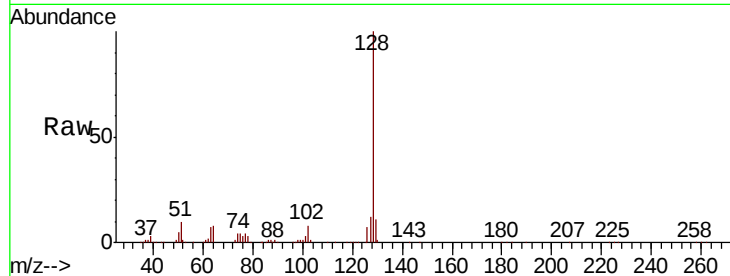
#95
Naphthalene
Concen: 20.992 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD1024SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	11.0	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.345 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060177.D
Acq: 24 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.0
145	29.3	14.5	43.6

