

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110118\
 Data File : VD060261.D
 Acq On : 1 Nov 2018 14:41
 Operator : VA/AP
 Sample : VD1101SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Manual Integrations
 APPROVED

apatel
 11/5/2018 1:21:12 PM

Quant Time: Nov 01 16:58:42 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	6.41	168	1430265	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.45	114	1990934	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1605430	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.38	152	876829	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	563264	51.95	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.90%	
35) Dibromofluoromethane	6.32	113	771962	51.06	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	9.46	98	2093750	48.57	ug/l	0.03
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.44	95	818028	50.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	258482	19.212	ug/l	98
3) Chloromethane	1.76	50	270993	22.337	ug/l	100
4) Vinyl Chloride	1.85	62	221654	22.325	ug/l	98
5) Bromomethane	2.13	94	19894	15.958	ug/l	91
6) Chloroethane	2.24	64	48887	18.044	ug/l	95
7) Trichlorofluoromethane	2.50	101	245039	20.612	ug/l	98
8) Diethyl Ether	2.82	74	57952	23.707	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.09	101	179846	24.284	ug/l	99
10) Methyl Iodide	3.24	142	147529	18.784	ug/l	94
11) Tert butyl alcohol	3.98	59	73236	94.189	ug/l	97
12) 1,1-Dichloroethene	3.07	96	142088	24.353	ug/l	89
13) Acrolein	2.98	56	31946	66.649	ug/l	97
14) Allyl chloride	3.53	41	283804	23.421	ug/l	99
15) Acrylonitrile	4.09	53	351410	109.189	ug/l	97
16) Acetone	3.16	43	281656	143.172	ug/l	99
17) Carbon Disulfide	3.31	76	411861	20.992	ug/l	99
18) Methyl Acetate	3.56	43	89998	21.285	ug/l	98
19) Methyl tert-butyl Ether	4.13	73	571185	22.266	ug/l	98
20) Methylene Chloride	3.72	84	350386	20.052	ug/l	99
21) trans-1,2-Dichloroethene	4.10	96	323545	21.472	ug/l	95
22) Diisopropyl ether	4.86	45	1219323	22.532	ug/l	96
23) Vinyl Acetate	4.81	43	3526837	115.942	ug/l	99
24) 1,1-Dichloroethane	4.76	63	547823	22.327	ug/l	100
25) 2-Butanone	5.63	43	625833	127.339	ug/l	97
26) 2,2-Dichloropropane	5.59	77	437301	23.509	ug/l	95
27) cis-1,2-Dichloroethene	5.60	96	345687	21.653	ug/l	95
28) Bromochloromethane	5.93	49	269486	22.601	ug/l	92
29) Tetrahydrofuran	5.96	42	309250	108.330	ug/l	99
30) Chloroform	6.11	83	569797	22.957	ug/l	100
31) Cyclohexane	6.37	56	500610	21.313	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	457264	22.487	ug/l	99
36) 1,1-Dichloropropene	6.53	75	423683	22.270	ug/l	97
37) Ethyl Acetate	5.70	43	263188	20.841	ug/l	100
38) Carbon Tetrachloride	6.50	117	383527	22.211	ug/l	98

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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	8.05	83	461355	21.343	ug/l	100
40) Benzene	6.80	78	1085537	21.810	ug/l	99
41) Methacrylonitrile	5.92	41	118078m	16.543	ug/l	
42) 1,2-Dichloroethane	6.90	62	319540	22.393	ug/l	97
43) Isopropyl Acetate	8.36	43	348832	20.997	ug/l #	97
44) Trichloroethene	7.74	130	328061	21.292	ug/l	98
45) 1,2-Dichloropropane	8.11	63	256024	19.645	ug/l	100
46) Dibromomethane	8.22	93	180591	21.403	ug/l	95
47) Bromodichloromethane	8.50	83	406766	22.626	ug/l	98
48) Methyl methacrylate	8.25	41	203531	21.507	ug/l	98
49) 1,4-Dioxane	8.24	88	39091	419.826	ug/l #	87
51) 4-Methyl-2-Pentanone	9.35	43	1157402	110.452	ug/l	97
52) Toluene	9.55	92	691931	21.586	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	357634	21.985	ug/l	97
54) cis-1,3-Dichloropropene	9.11	75	438475	21.828	ug/l	98
55) 1,1,2-Trichloroethane	10.19	97	226445	21.609	ug/l	95
56) Ethyl methacrylate	10.04	69	245556	21.228	ug/l	98
57) 1,3-Dichloropropane	10.39	76	351217	21.975	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	729996	113.642	ug/l	96
59) 2-Hexanone	10.50	43	926779	122.995	ug/l	98
60) Dibromochloromethane	10.64	129	281523	21.896	ug/l	95
61) 1,2-Dibromoethane	10.76	107	233108	20.936	ug/l	99
64) Tetrachloroethene	10.26	164	300534	21.373	ug/l	99
65) Chlorobenzene	11.32	112	757367	21.806	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	271452	23.428	ug/l	99
67) Ethyl Benzene	11.43	91	1342207	23.852	ug/l	97
68) m/p-Xylenes	11.57	106	1001377	47.628	ug/l	96
69) o-Xylene	11.94	106	462205	22.225	ug/l	92
70) Styrene	11.96	104	778804	22.394	ug/l	99
71) Bromoform	12.12	173	193807	20.657	ug/l	98
73) Isopropylbenzene	12.28	105	1301647	22.502	ug/l	97
74) N-amyl acetate	12.14	43	454791	21.464	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	272641	21.589	ug/l	92
76) 1,2,3-Trichloropropane	12.60	75	268171	21.237	ug/l	100
77) Bromobenzene	12.54	156	367937	21.888	ug/l	97
78) n-propylbenzene	12.64	91	1632845	22.733	ug/l	100
79) 2-Chlorotoluene	12.71	91	898892	22.548	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	1040430	23.239	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	72601	20.462	ug/l	92
82) 4-Chlorotoluene	12.82	91	1050349	23.295	ug/l	98
83) tert-Butylbenzene	13.06	119	1145886	22.304	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	1063833	22.546	ug/l	95
85) sec-Butylbenzene	13.22	105	1363664	22.449	ug/l	96
86) p-Isopropyltoluene	13.35	119	1107721	22.233	ug/l	98
87) 1,3-Dichlorobenzene	13.32	146	643391	21.969	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	611245	20.779	ug/l	97
89) n-Butylbenzene	13.66	91	1189805	24.474	ug/l	98
90) Hexachloroethane	13.86	117	258823	22.446	ug/l	91
91) 1,2-Dichlorobenzene	13.67	146	566649	23.011	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.24	75	35967	21.330	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	438835	20.995	ug/l	97
94) Hexachlorobutadiene	14.89	225	300093	21.599	ug/l	98
95) Naphthalene	14.97	128	631340	20.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	373601	20.547	ug/l	97

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

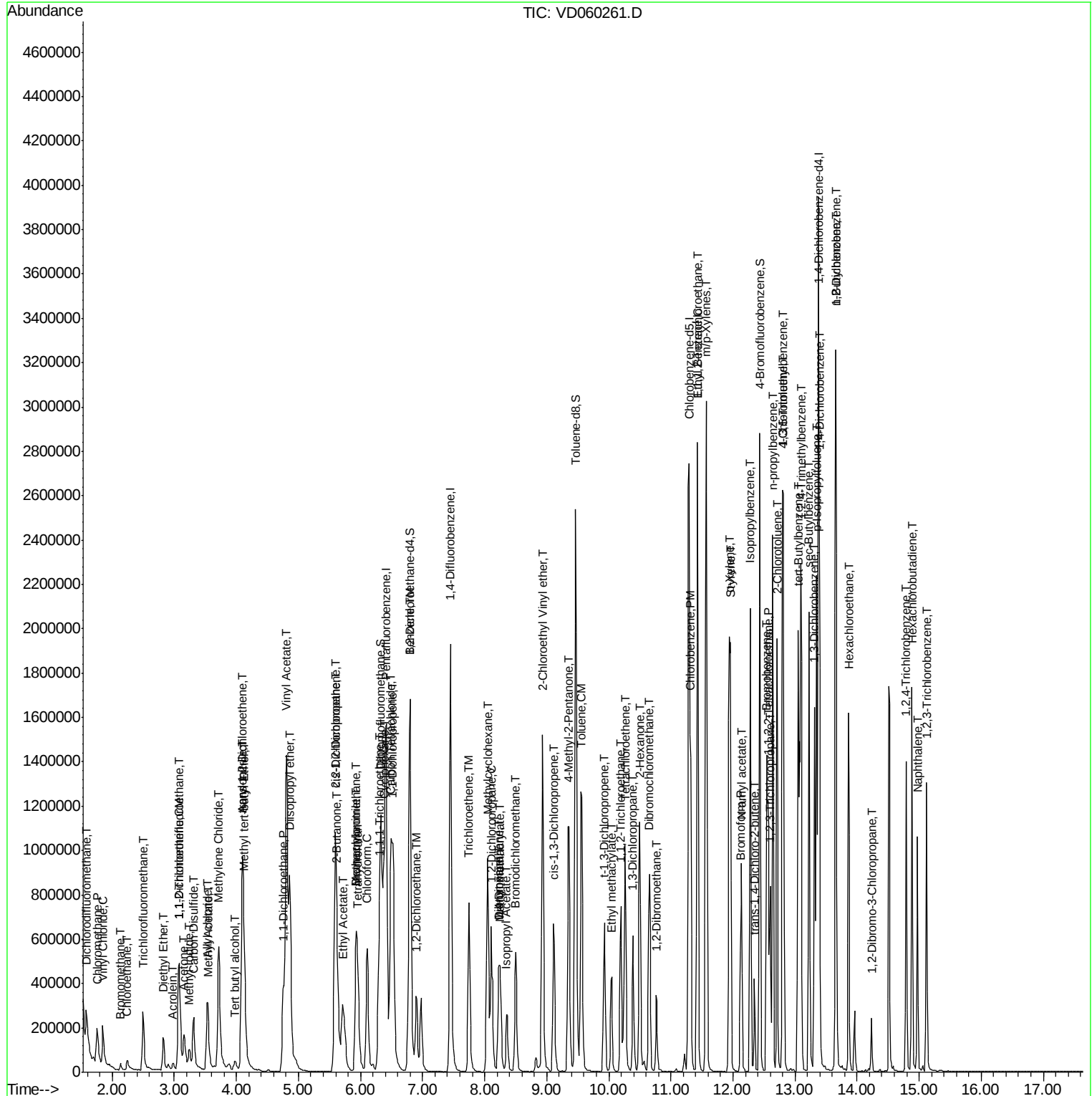
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110118\
Data File : VD060261.D
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Operator : VA/AP
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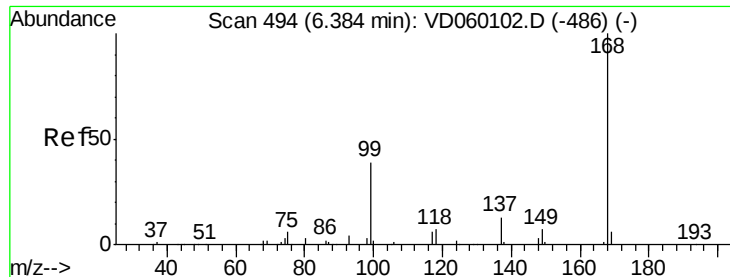
Instrument :
MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion:168 Resp: 1430265

Ion Ratio Lower Upper

168 100

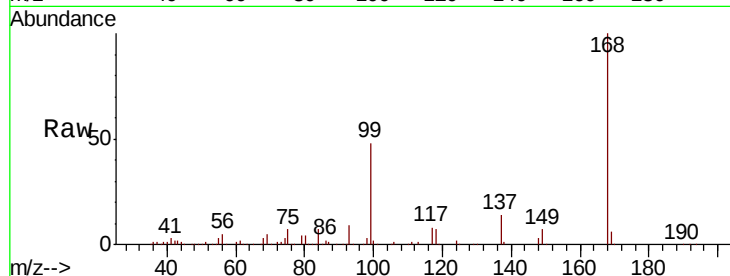
99 47.8 35.4 53.0

Manual Integrations

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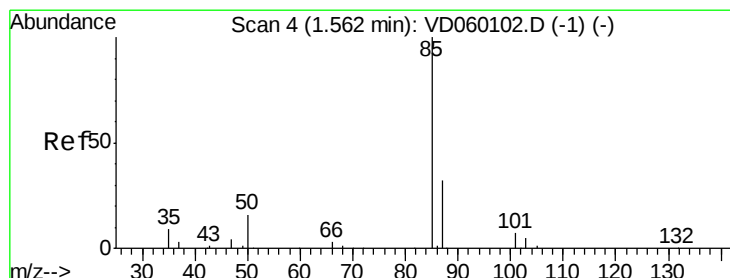
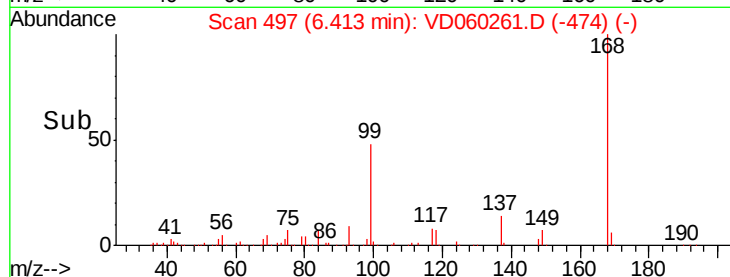
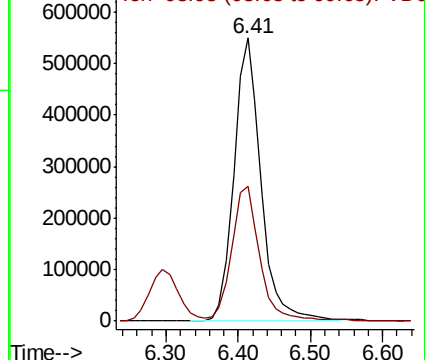
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#2

Dichlorodifluoromethane

Concen: 19.212 ug/l

RT: 1.58 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060261.D

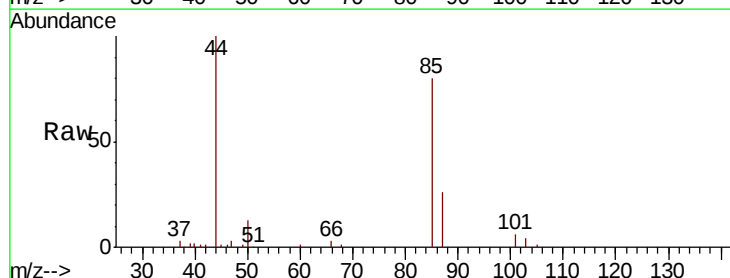
Acq: 1 Nov 2018 14:41

Tgt Ion: 85 Resp: 258482

Ion Ratio Lower Upper

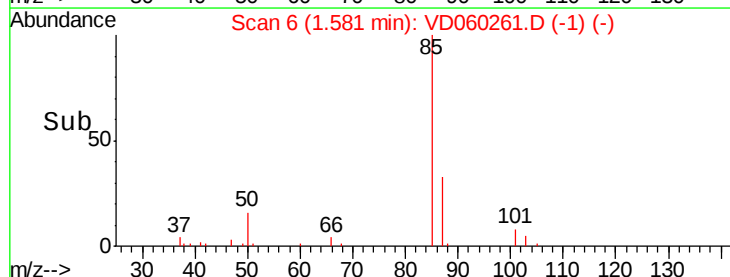
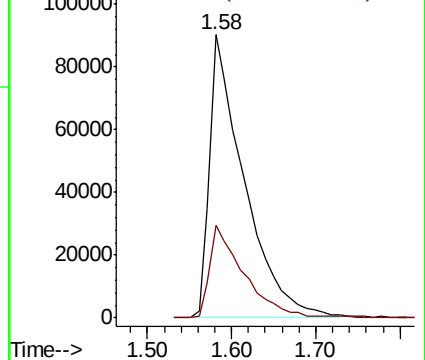
85 100

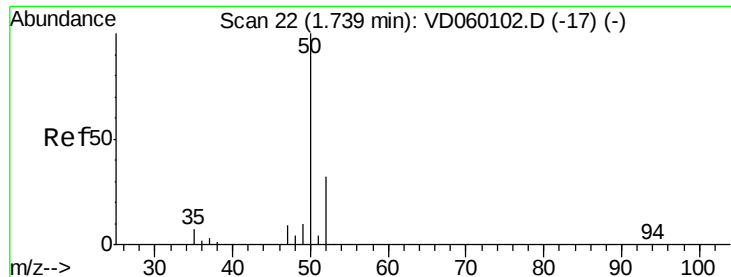
87 32.7 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V





#3

Chloromethane

Concen: 22.337 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 50 Resp: 270993

Ion Ratio Lower Upper

50 100

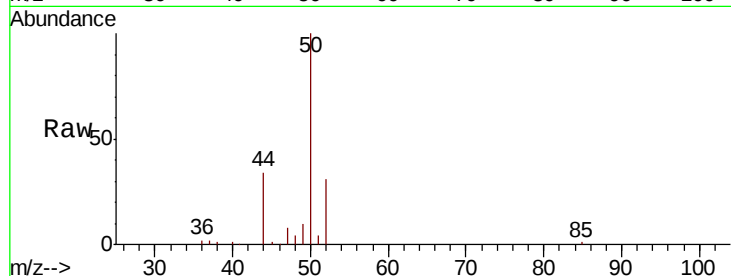
52 31.3 25.3 37.9

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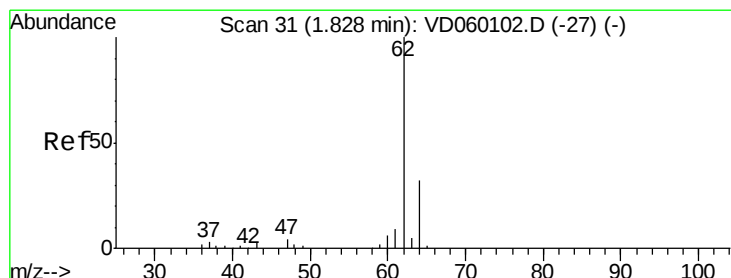
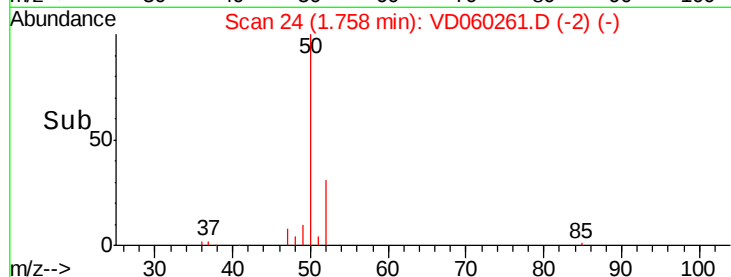
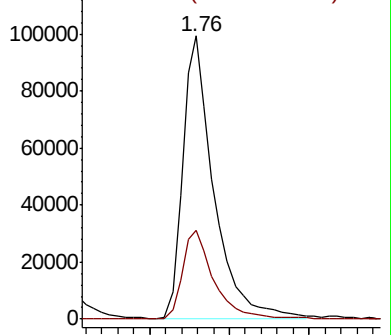
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.325 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060261.D

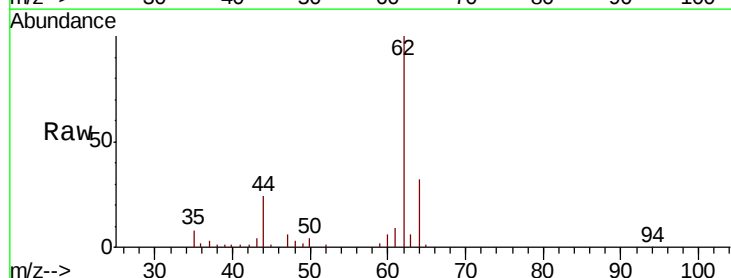
Acq: 1 Nov 2018 14:41

Tgt Ion: 62 Resp: 221654

Ion Ratio Lower Upper

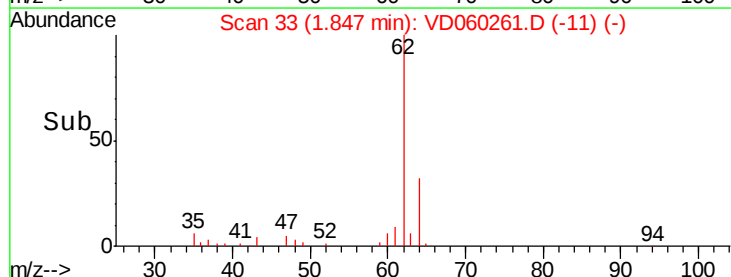
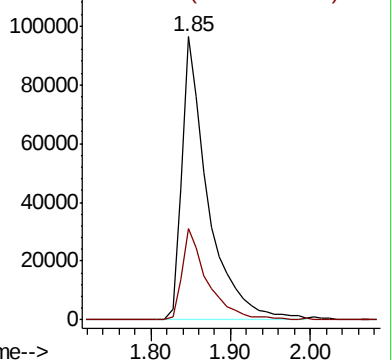
62 100

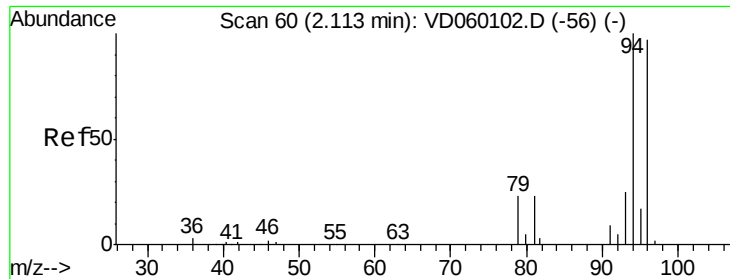
64 32.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.958 ug/l

RT: 2.13 min Scan# 62

Delta R.T. 0.02 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 94 Resp: 19894

Ion Ratio Lower Upper

94 100

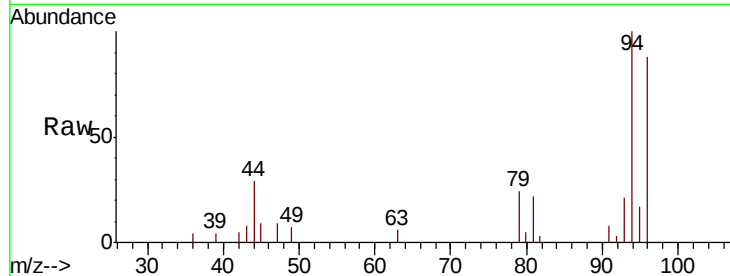
96 87.5 77.4 116.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.13

12000

10000

8000

6000

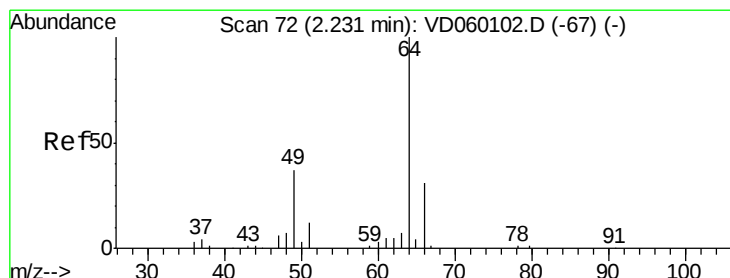
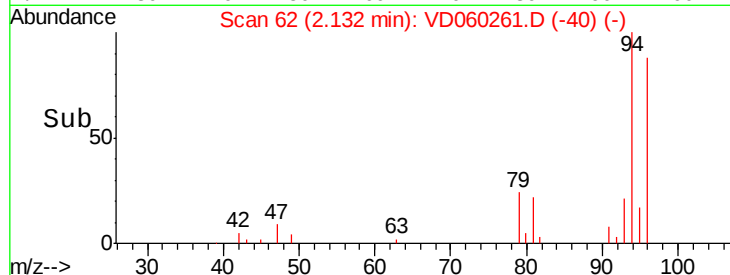
4000

2000

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Time-->

2.05 2.10 2.15 2.20



#6

Chloroethane

Concen: 18.044 ug/l

RT: 2.24 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD060261.D

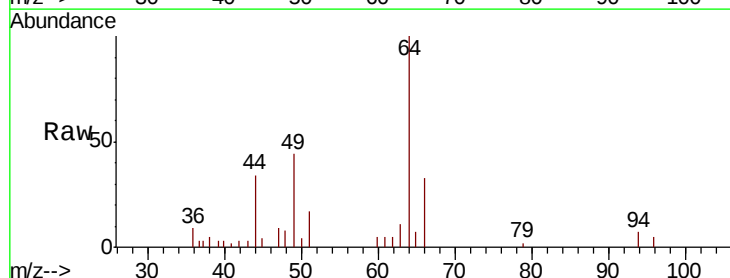
Acq: 1 Nov 2018 14:41

Tgt Ion: 64 Resp: 48887

Ion Ratio Lower Upper

64 100

66 33.4 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.24

15000

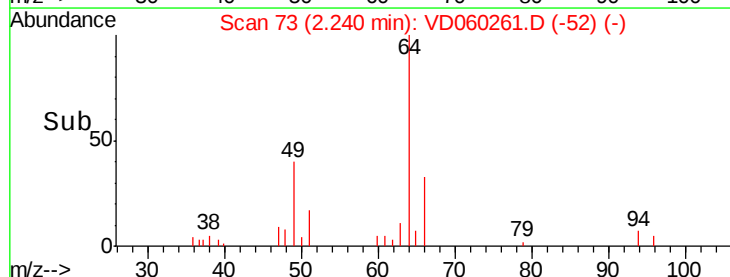
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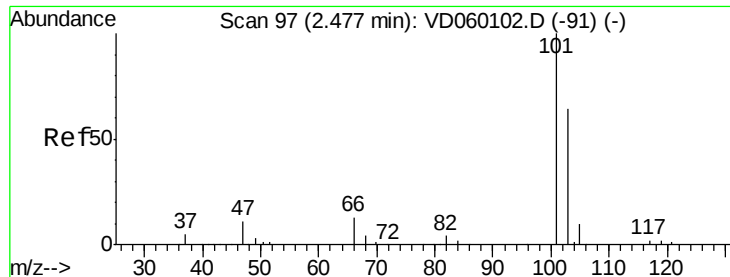
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0

Time-->

2.10 2.20 2.30 2.40





#7

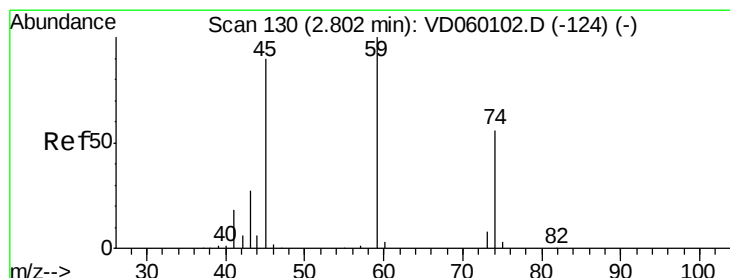
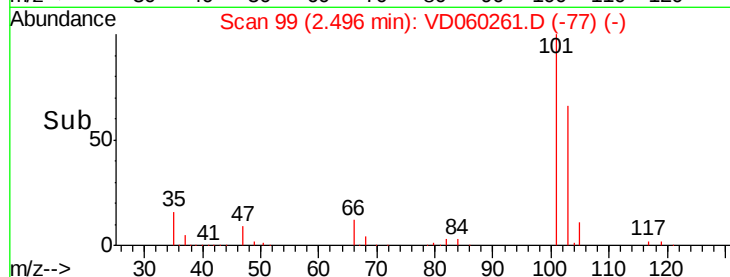
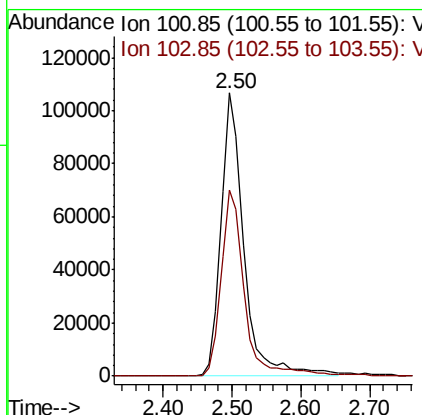
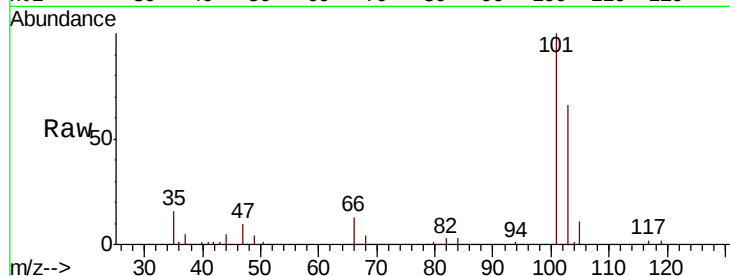
Trichlorofluoromethane
Concen: 20.612 ug/l
RT: 2.50 min Scan# 99
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion:101 Resp: 245039
Ion Ratio Lower Upper
101 100
103 65.8 51.5 77.3

Manual Integrations
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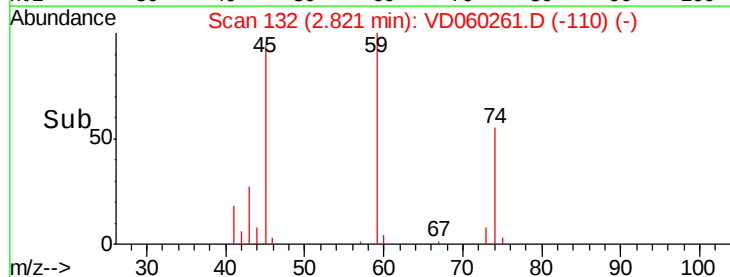
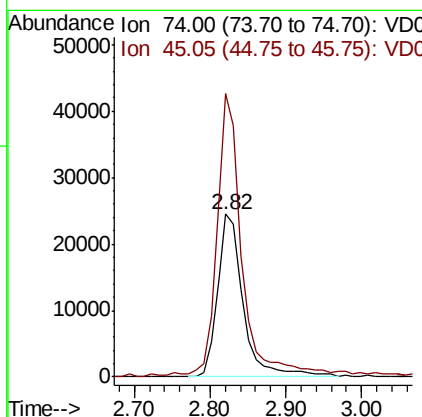
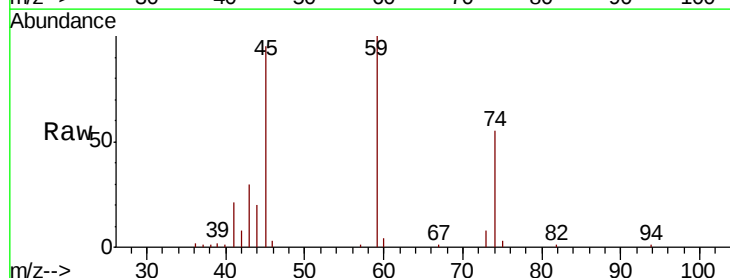
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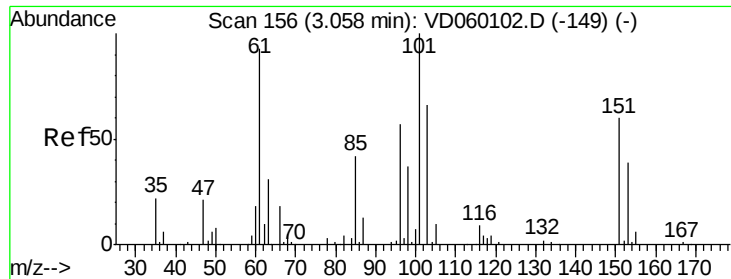


#8

Diethyl Ether
Concen: 23.707 ug/l
RT: 2.82 min Scan# 132
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 74 Resp: 57952
Ion Ratio Lower Upper
74 100
45 174.0 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.284 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.03 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

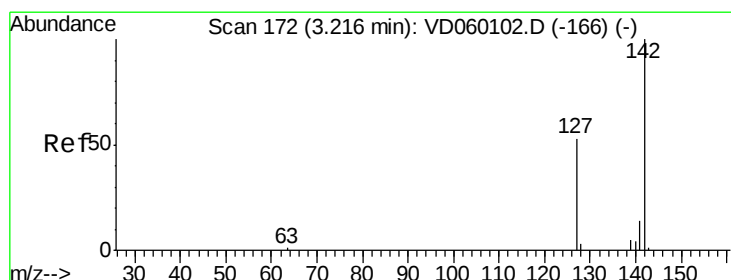
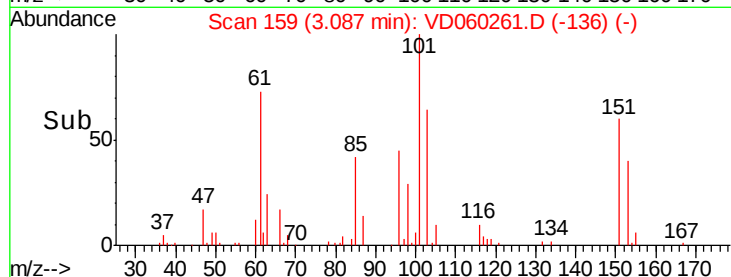
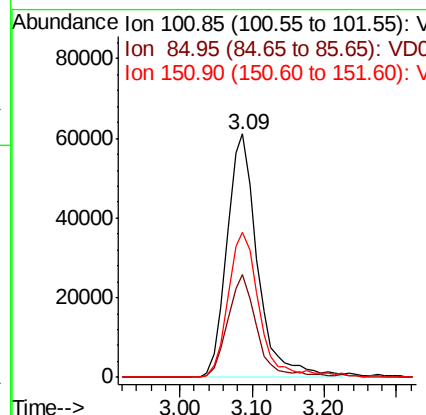
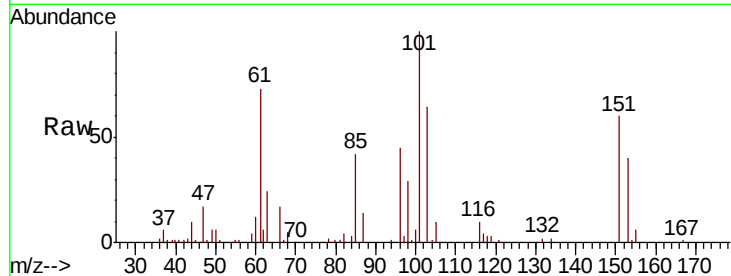
ClientSampleId :

VD1101SBS01

Tot Ion:	101	Resp:	179846
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.4	50.0
151	59.7	48.0	72.0

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#10

Methyl Iodide

Concen: 18.784 ug/l

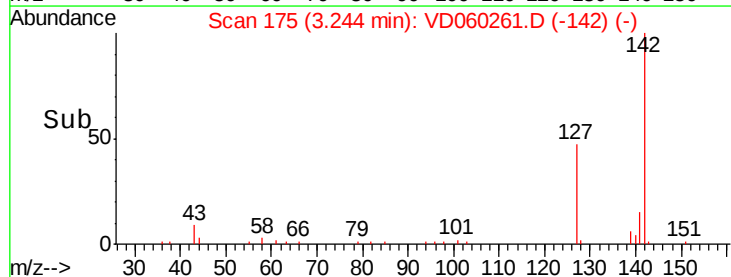
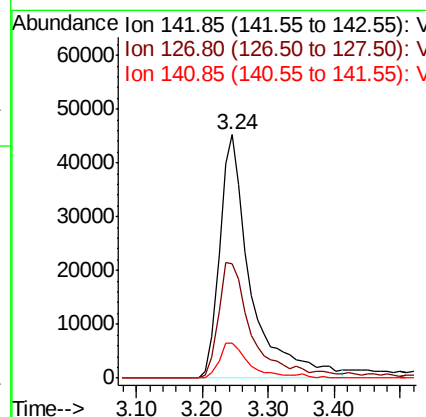
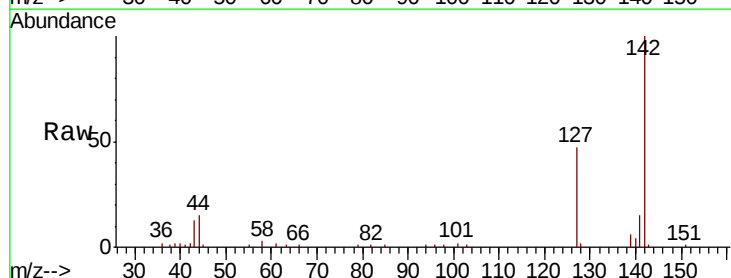
RT: 3.24 min Scan# 175

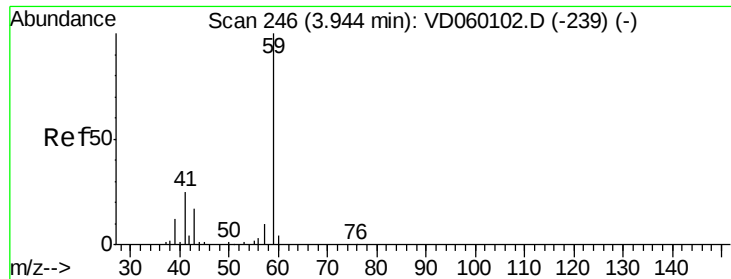
Delta R.T. 0.03 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Tgt Ion:	142	Resp:	147529
Ion Ratio	Lower	Upper	
142	100		
127	47.1	42.0	63.0
141	14.5	11.4	17.0





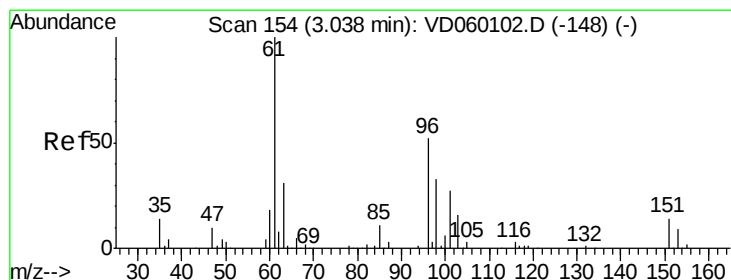
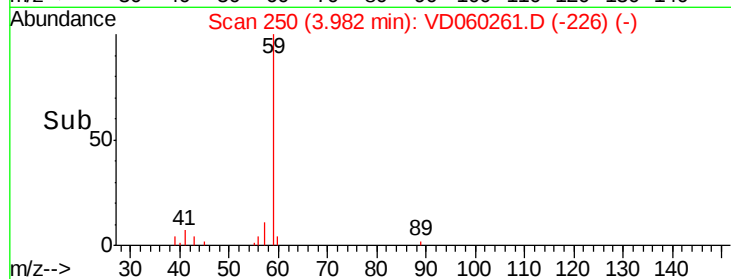
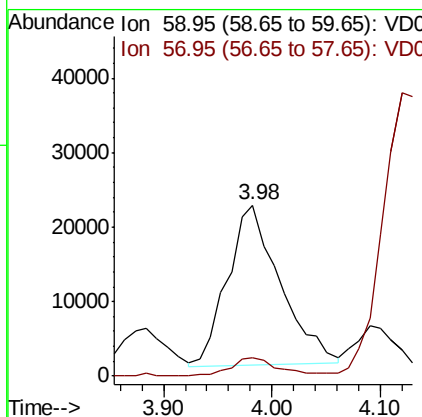
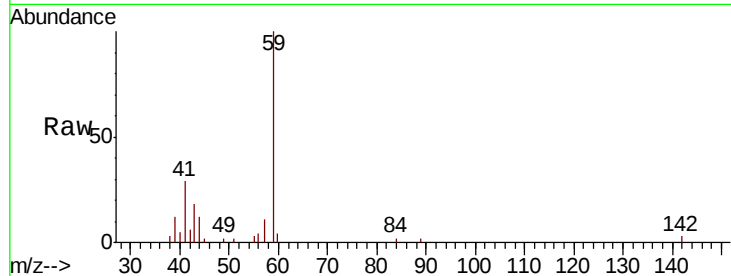
#11
Tert butyl alcohol
Concen: 94.189 ug/l
RT: 3.98 min Scan# 250
Delta R.T. 0.04 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion: 59 Resp: 73236
Ion Ratio Lower Upper
59 100
57 10.7 7.8 11.6

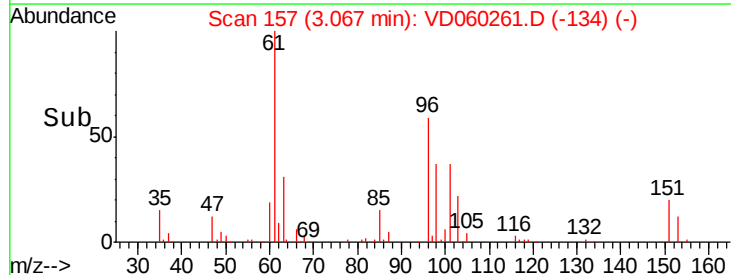
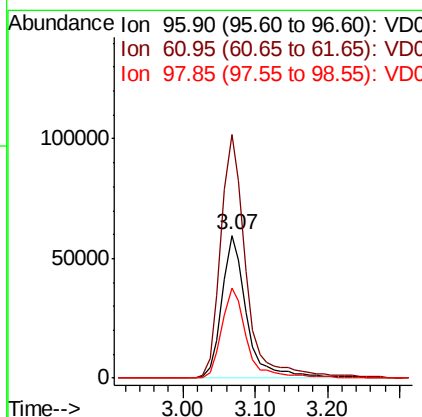
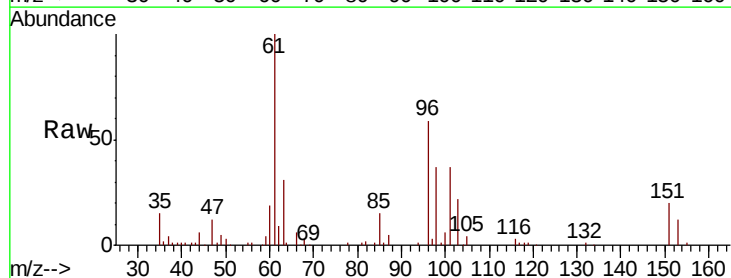
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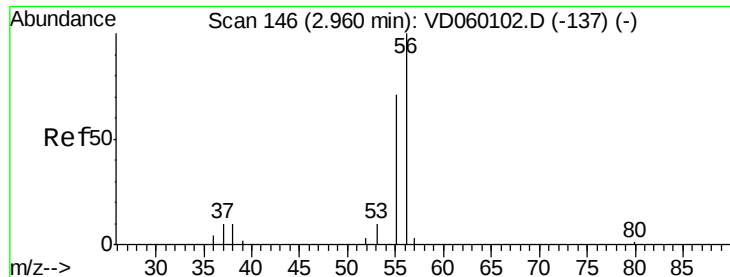
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#12
1,1-Dichloroethene
Concen: 24.353 ug/l
RT: 3.07 min Scan# 157
Delta R.T. 0.03 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 96 Resp: 142088
Ion Ratio Lower Upper
96 100
61 170.8 153.0 229.4
98 63.3 51.1 76.7





#13

Acrolein

Concen: 66.649 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 56 Resp: 31946

Ion Ratio Lower Upper

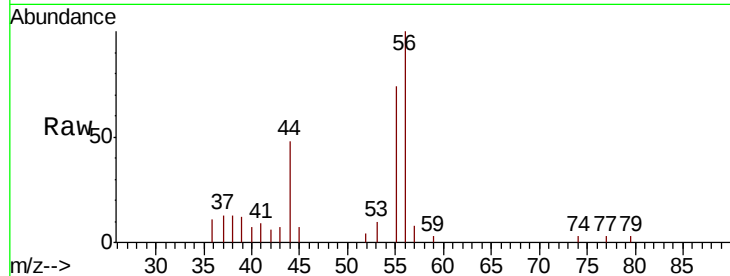
56 100

55 74.4 57.4 86.2

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

Ion 55.00 (54.70 to 55.70): VDC

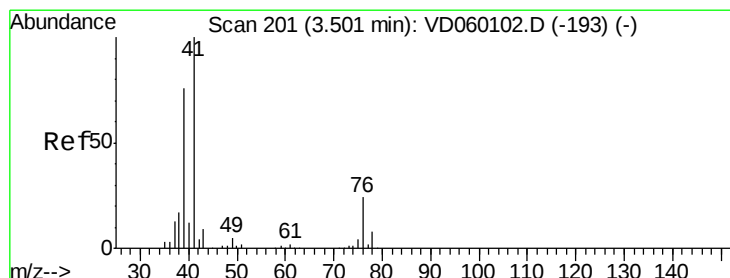
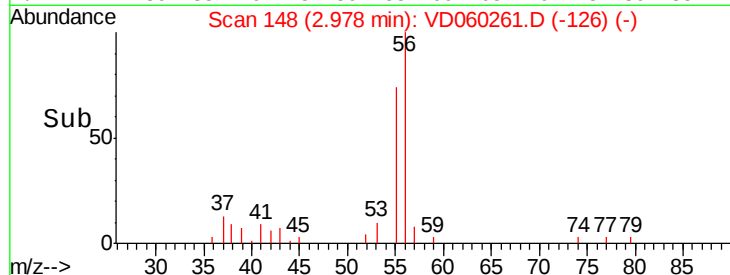
2.98

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 23.421 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.03 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

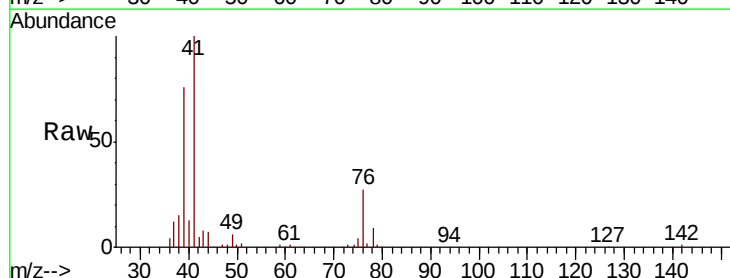
Tgt Ion: 41 Resp: 283804

Ion Ratio Lower Upper

41 100

39 76.4 60.6 90.8

76 26.8 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

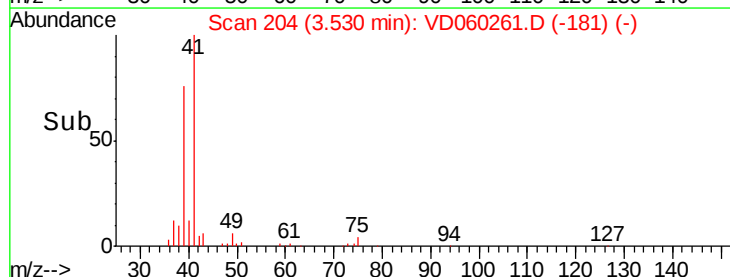
3.53

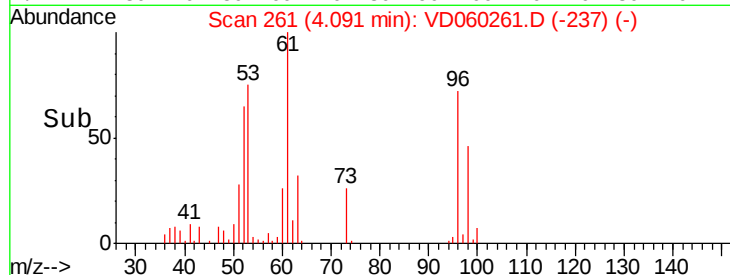
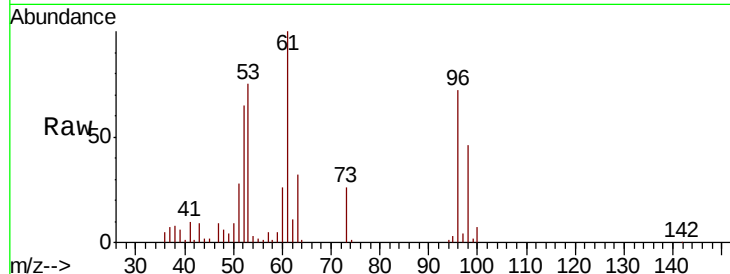
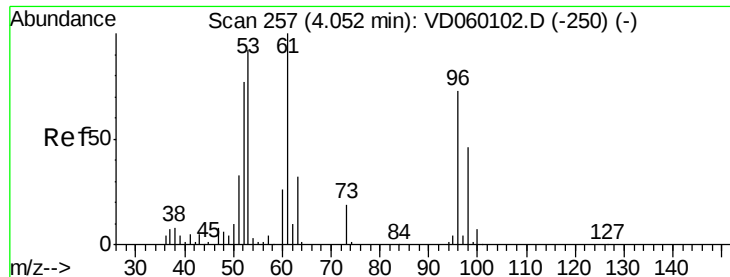
100000

50000

0

Time-->





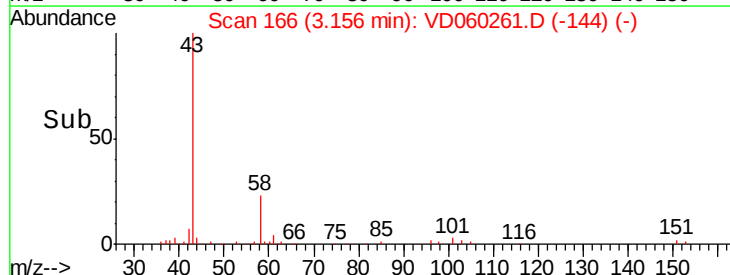
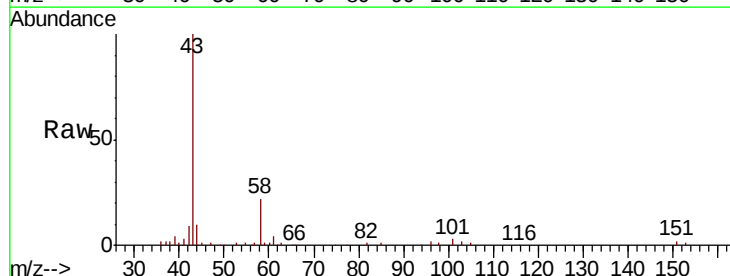
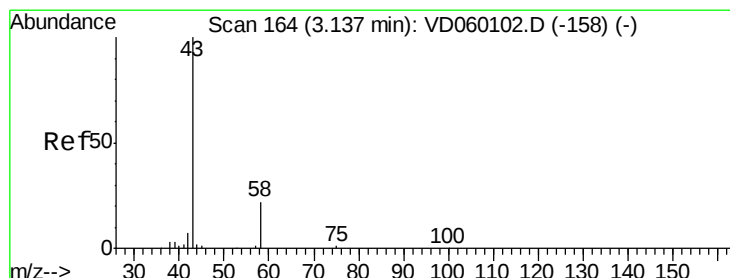
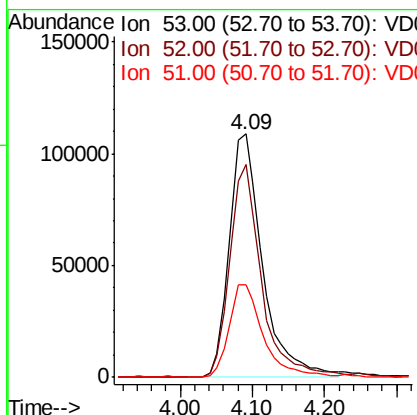
#15
Acrylonitrile
Concen: 109.189 ug/l
RT: 4.09 min Scan# 261
Delta R.T. 0.04 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tot Ion	Ratio	Lower	Upper
53	100		
52	87.2	67.5	101.3
51	38.1	29.3	43.9

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

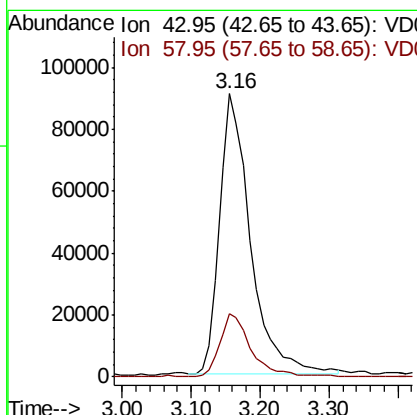
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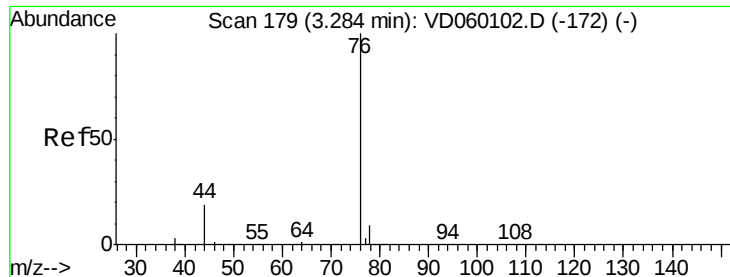
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#16
Acetone
Concen: 143.172 ug/l
RT: 3.16 min Scan# 166
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	22.4	17.7	26.5





#17

Carbon Disulfide

Concen: 20.992 ug/l

RT: 3.31 min Scan# 182

Delta R.T. 0.03 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Tot Ion: 76 Resp: 411861

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

Instrument :

MSVOA_D

ClientSampleId :

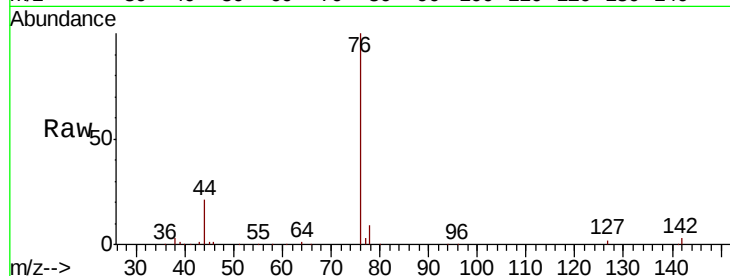
VD1101SBS01

Manual Integrations

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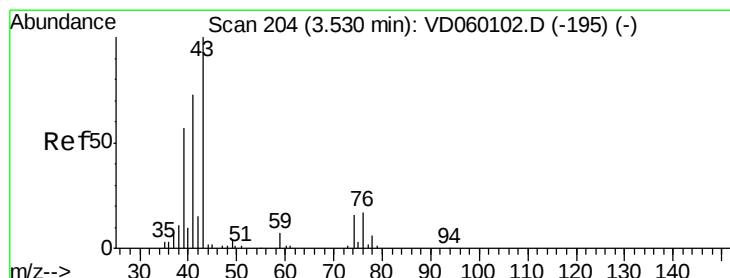
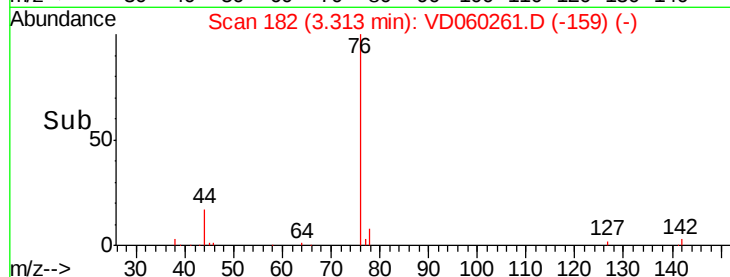
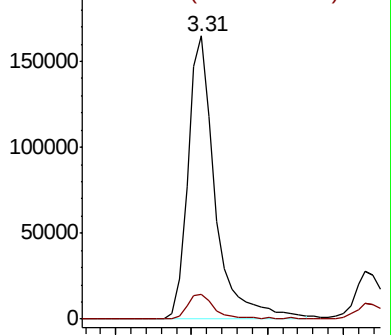
apatel

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.285 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.03 min

Lab File: VD060261.D

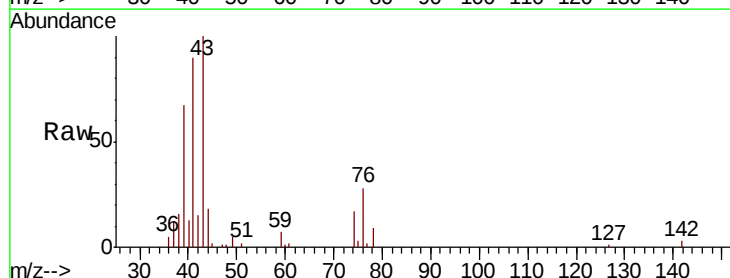
Acq: 1 Nov 2018 14:41

Tgt Ion: 43 Resp: 89998

Ion Ratio Lower Upper

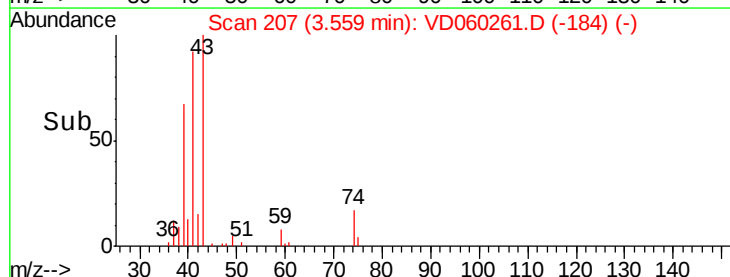
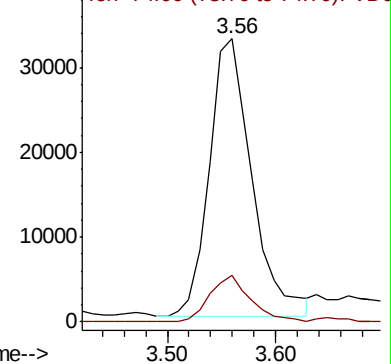
43 100

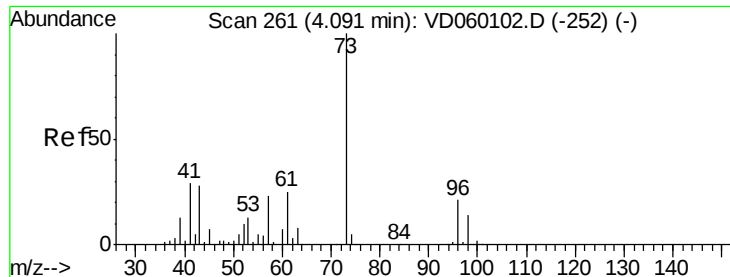
74 16.6 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

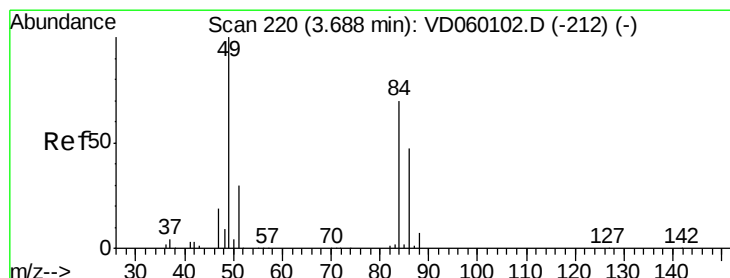
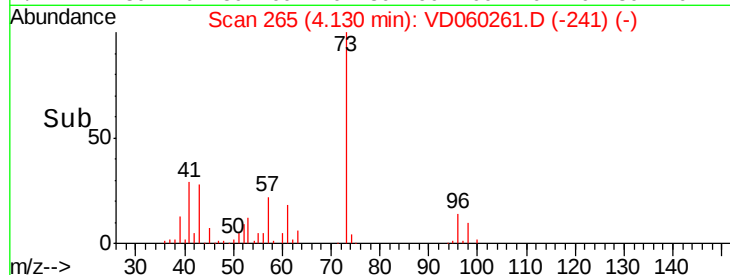
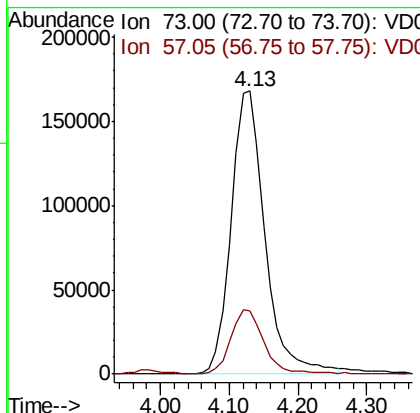
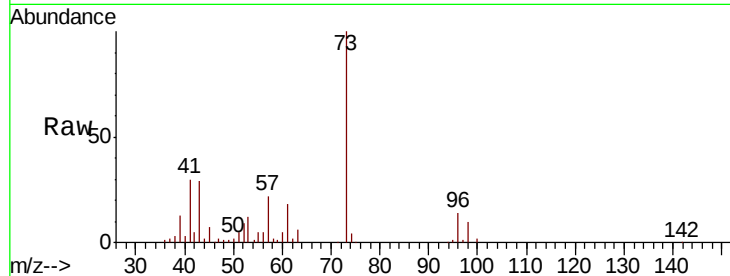
Methyl tert-butyl Ether
 Concen: 22.266 ug/l
 RT: 4.13 min Scan# 265
 Delta R.T. 0.04 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.7	28.1

Manual Integrations
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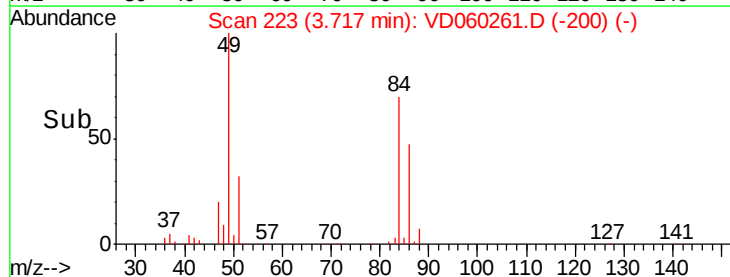
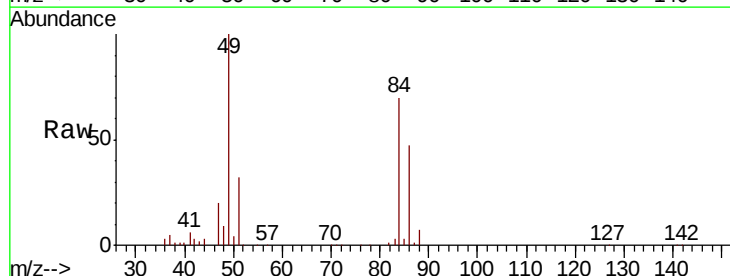
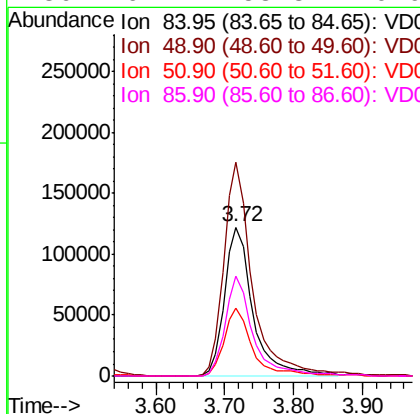
apatel
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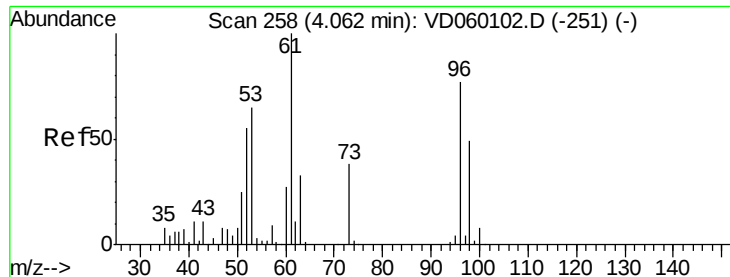


#20

Methylene Chloride
 Concen: 20.052 ug/l
 RT: 3.72 min Scan# 223
 Delta R.T. 0.03 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.8	114.6	172.0
51	45.5	33.8	50.8
86	67.4	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 21.472 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.04 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 96 Resp: 323545

Ion Ratio Lower Upper

96 100

61 135.8 103.3 154.9

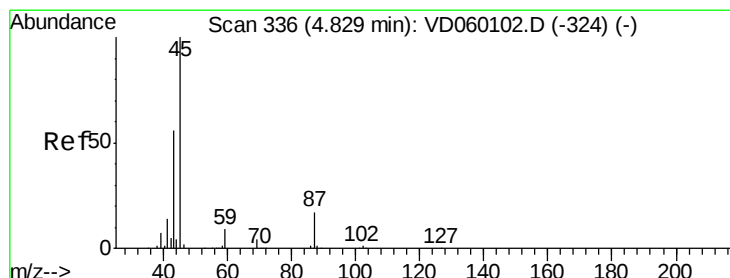
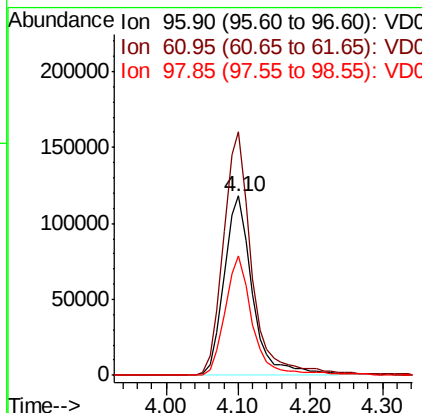
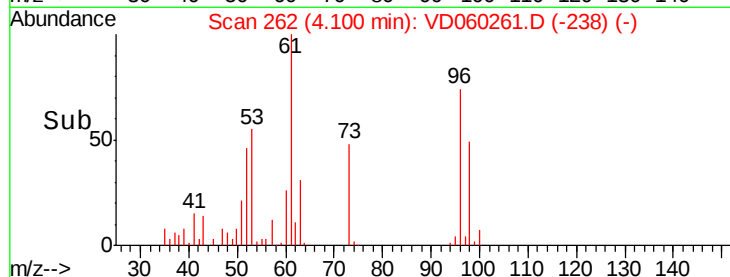
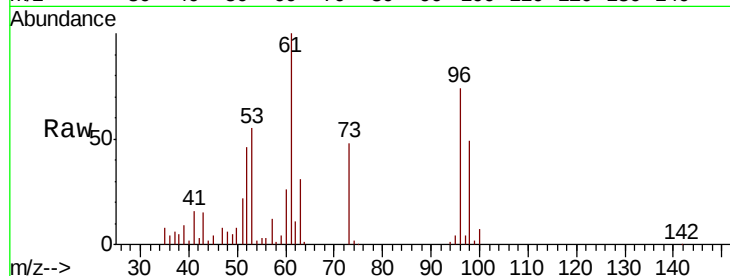
98 66.6 50.4 75.6

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#22

Diisopropyl ether

Concen: 22.532 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.03 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Tgt Ion: 45 Resp: 1219323

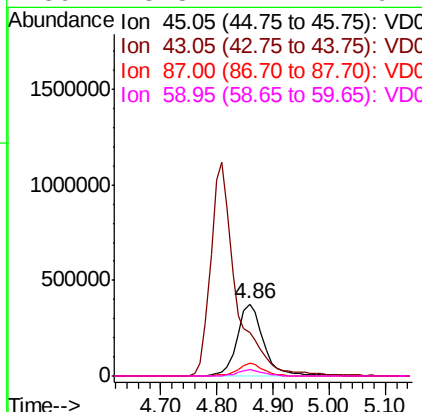
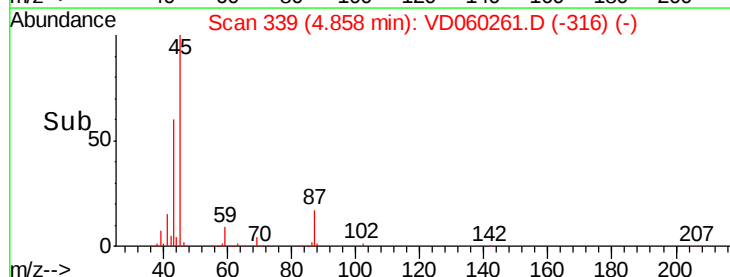
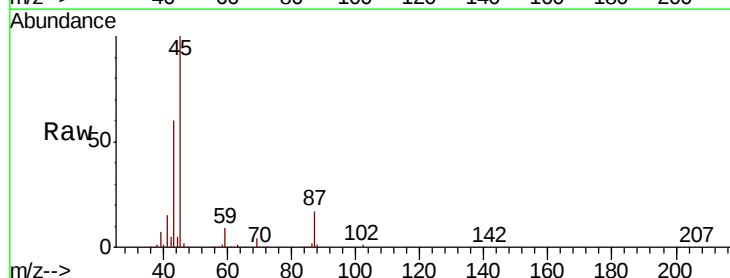
Ion Ratio Lower Upper

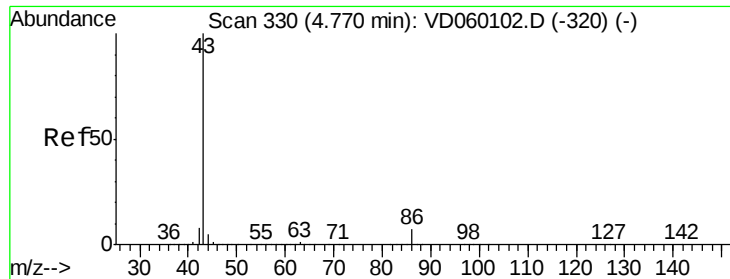
45 100

43 60.4 44.8 67.2

87 17.2 13.9 20.9

59 8.8 7.1 10.7





#23

Vinyl Acetate

Concen: 115.942 ug/l

RT: 4.81 min Scan# 334

Delta R.T. 0.04 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 43 Resp: 3526837

Ion Ratio Lower Upper

43 100

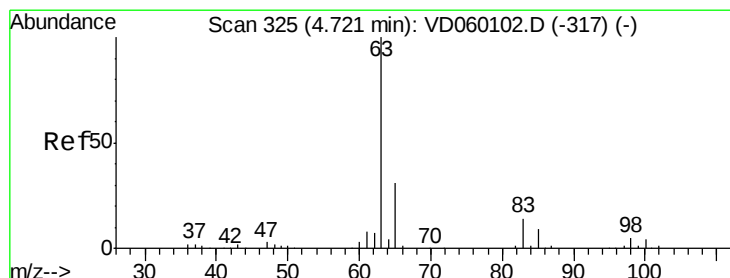
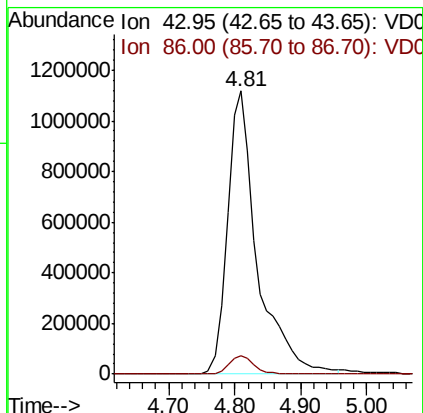
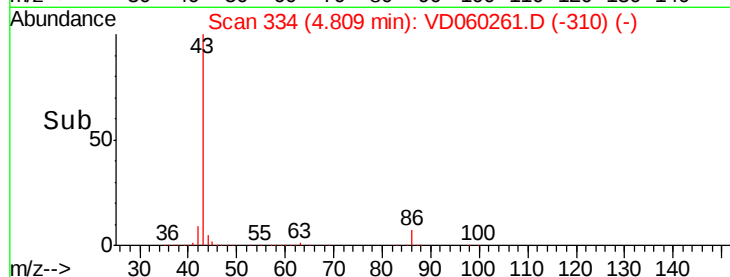
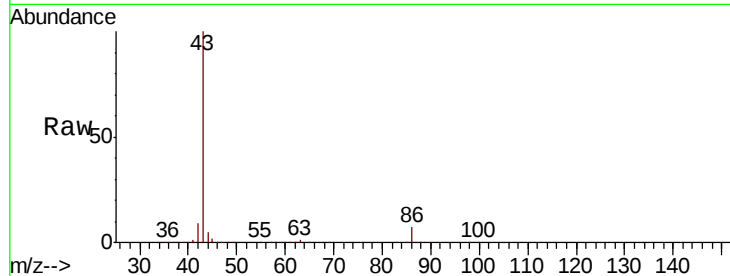
86 6.7 5.6 8.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.327 ug/l

RT: 4.76 min Scan# 329

Delta R.T. 0.04 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

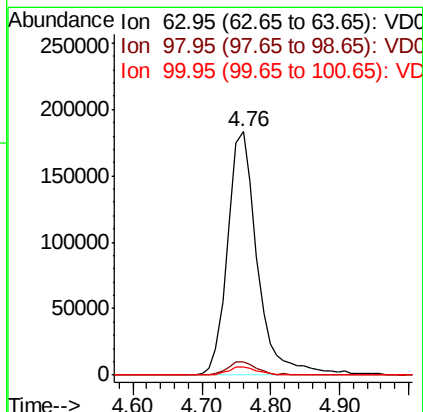
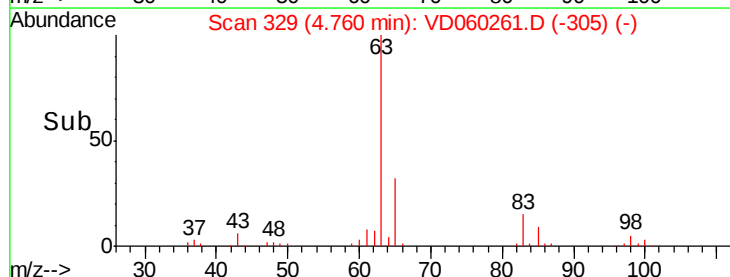
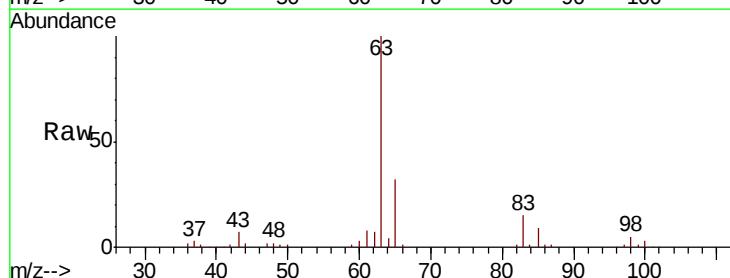
Tgt Ion: 63 Resp: 547823

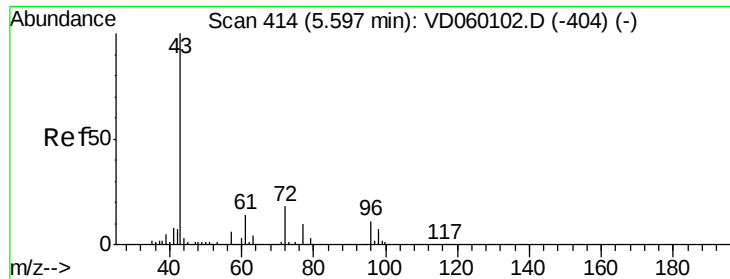
Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

100 3.2 1.8 5.3





#25

2-Butanone

Concen: 127.339 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 43 Resp: 625833

Ion Ratio Lower Upper

43 100

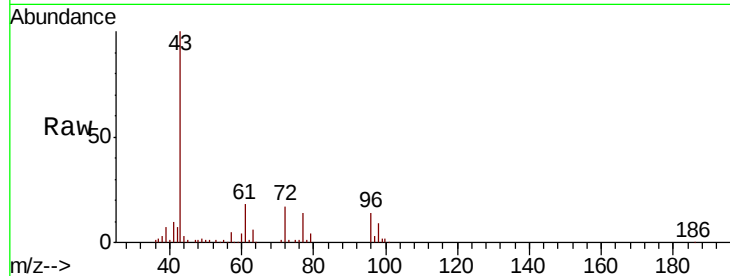
72 16.9 14.5 21.7

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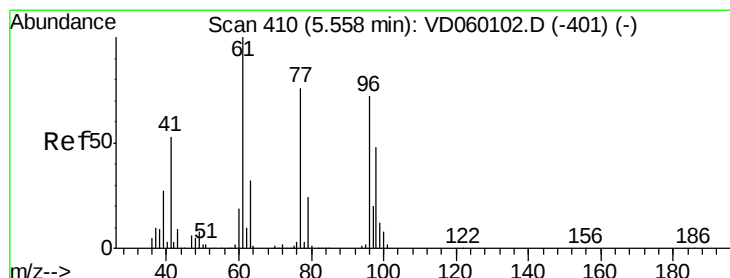
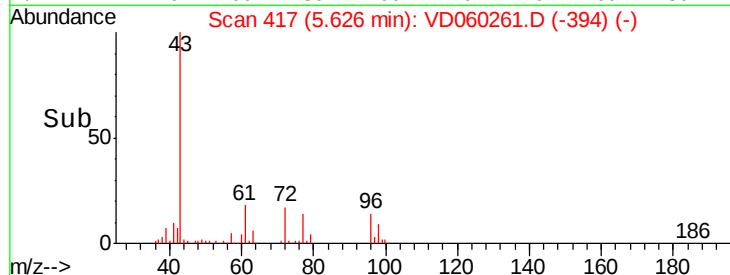
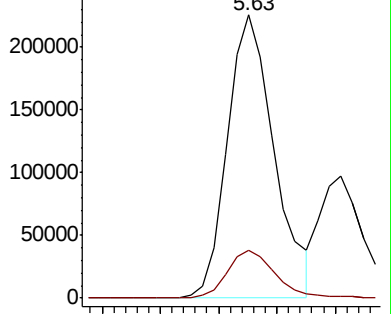
apatel

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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: 23.509 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060261.D

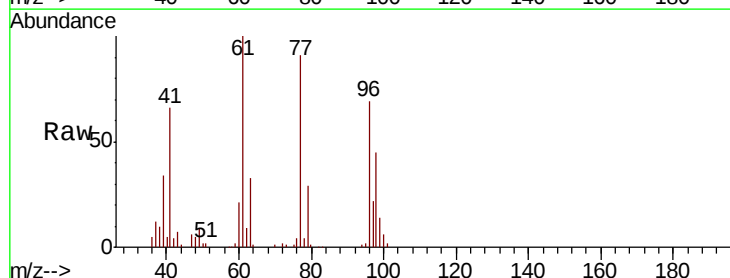
Acq: 1 Nov 2018 14:41

Tgt Ion: 77 Resp: 437301

Ion Ratio Lower Upper

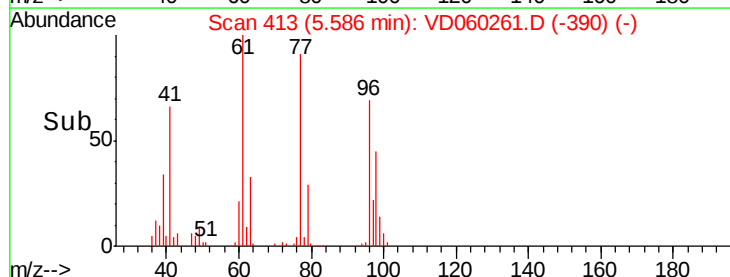
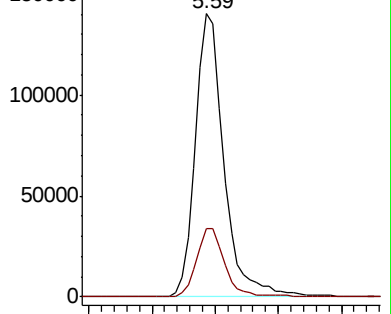
77 100

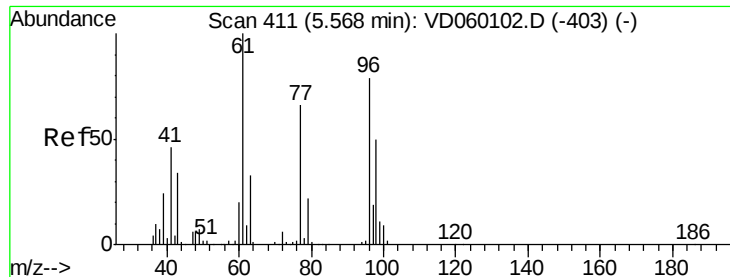
97 24.0 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

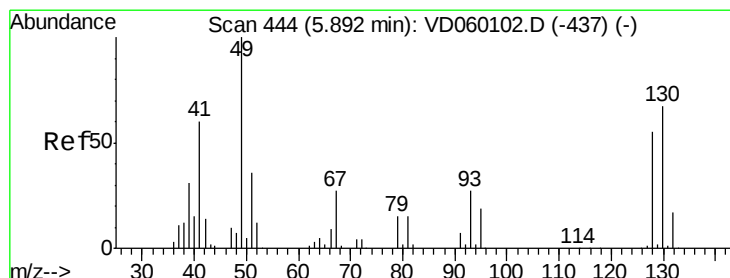
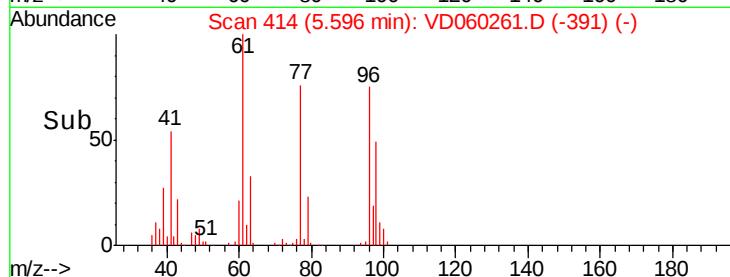
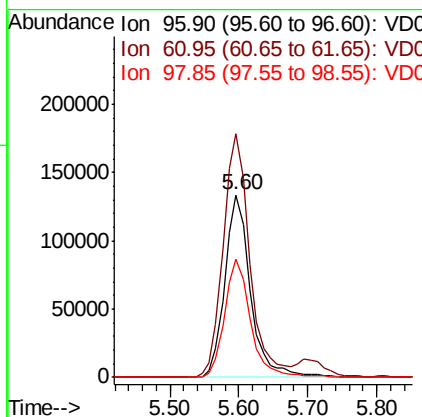
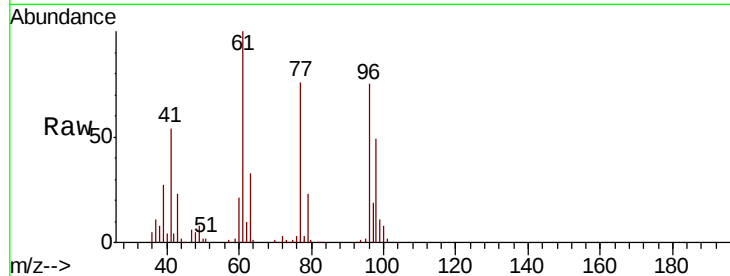
cis-1,2-Dichloroethene
 Concen: 21.653 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. 0.03 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	345687		
61	133.4	0.0	251.8	
98	64.9	0.0	125.2	

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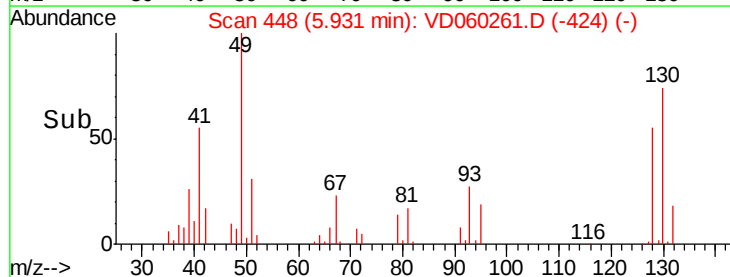
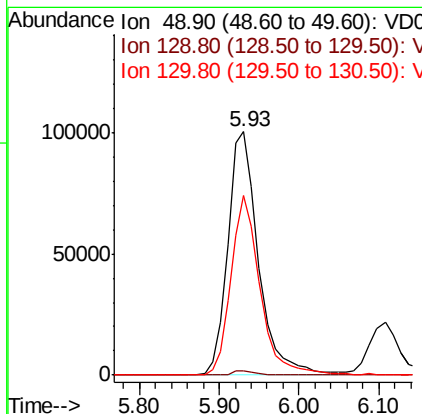
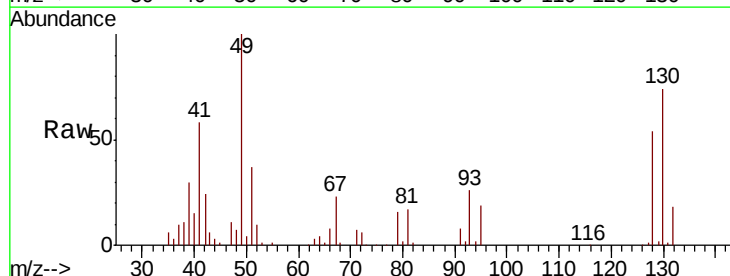
apatel
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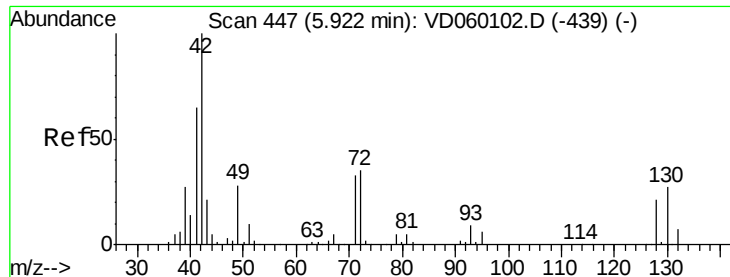


#28

Bromochloromethane
 Concen: 22.601 ug/l
 RT: 5.93 min Scan# 448
 Delta R.T. 0.04 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	269486		
129	1.8	0.0	3.6	
130	74.0	53.9	80.9	





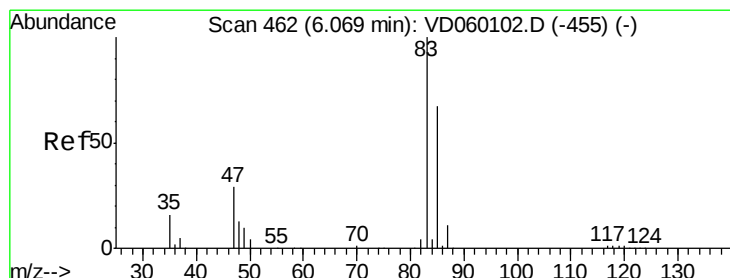
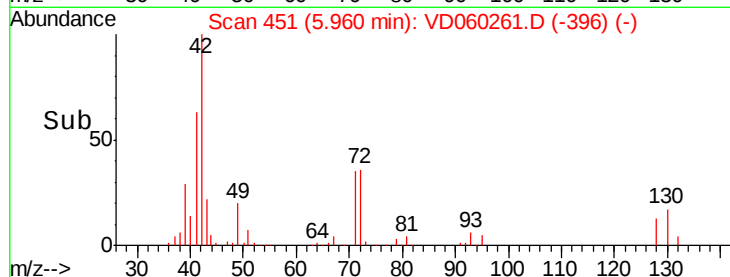
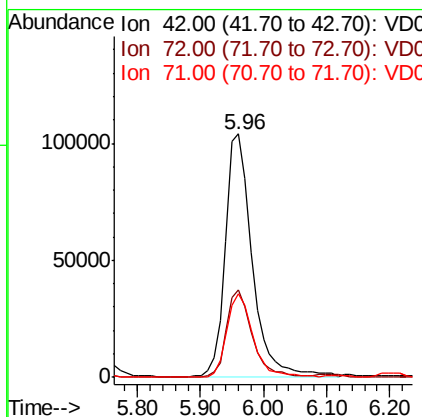
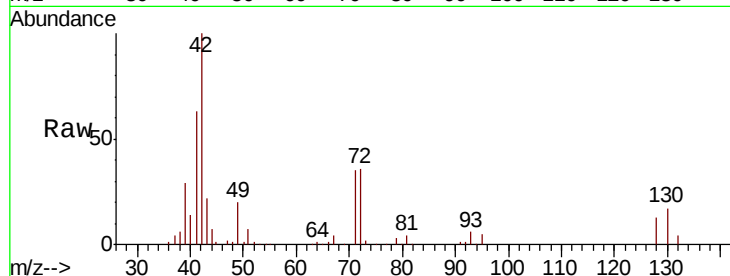
#29
Tetrahydrofuran
Concen: 108.330 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.04 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	26.9	40.3
71	33.2	26.7	40.1

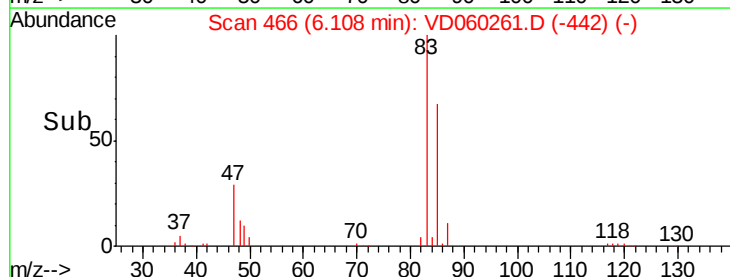
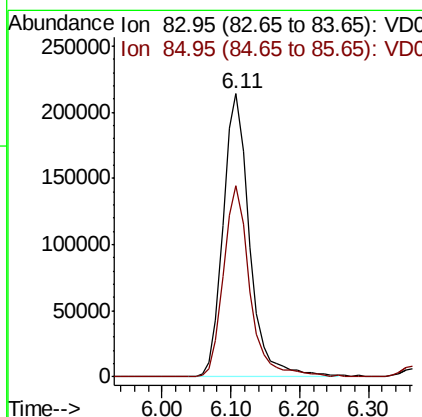
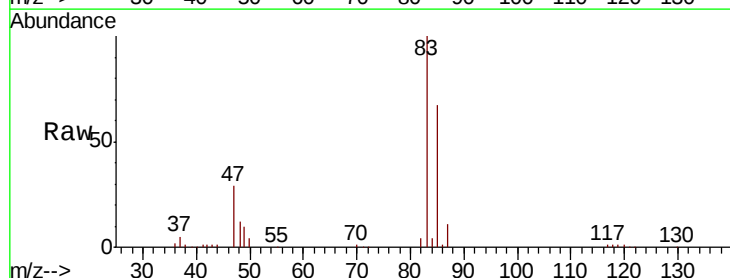
Manual Integrations
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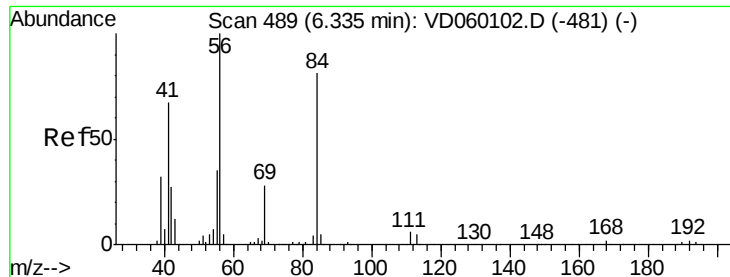
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#30
Chloroform
Concen: 22.957 ug/l
RT: 6.11 min Scan# 466
Delta R.T. 0.04 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	53.8	80.8





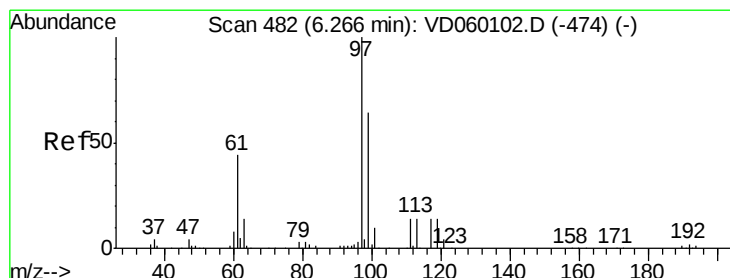
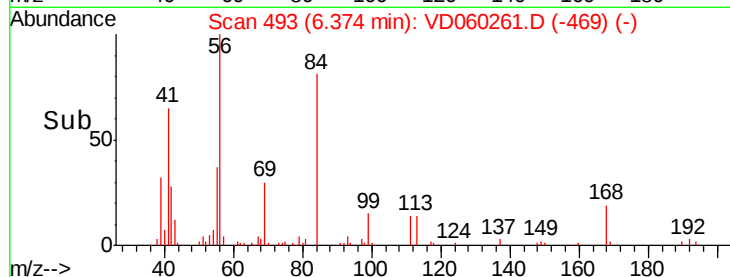
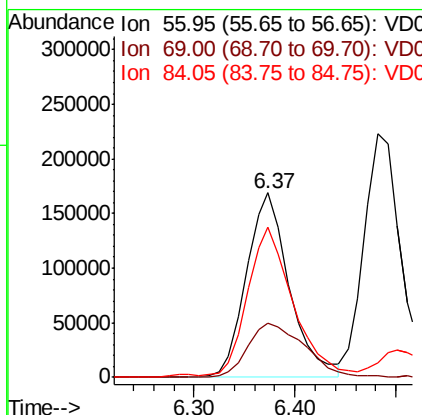
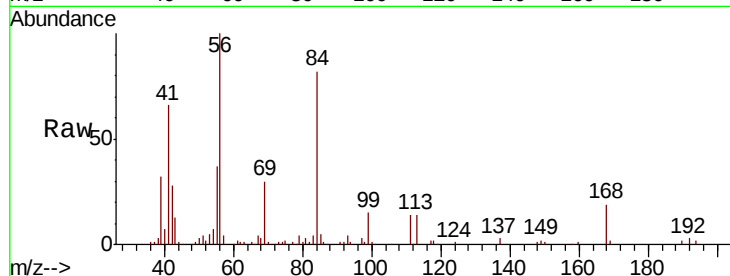
#31
Cyclohexane
Concen: 21.313 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.04 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	22.8	34.2
84	81.7	64.9	97.3

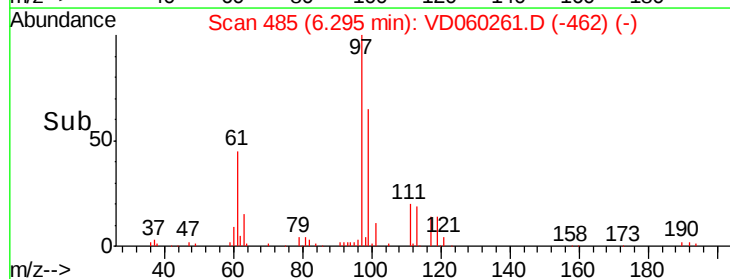
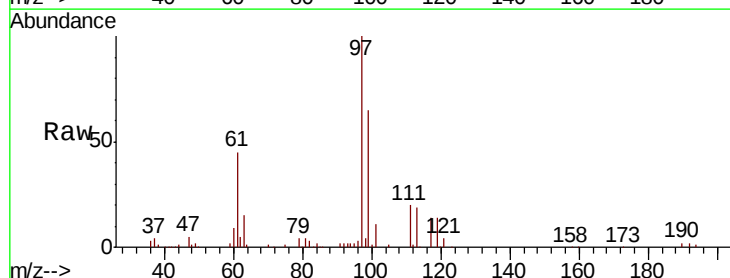
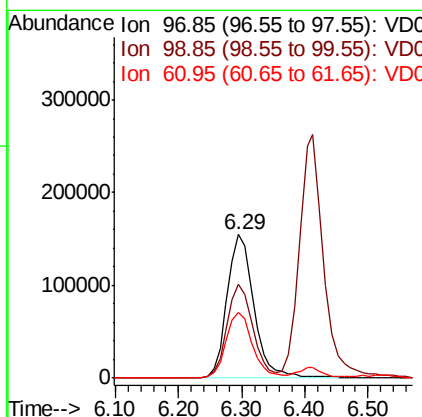
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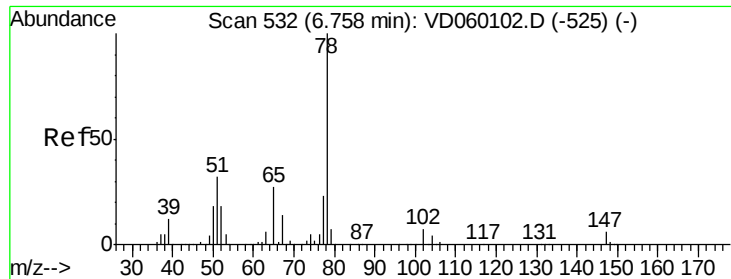
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#32
1,1,1-Trichloroethane
Concen: 22.487 ug/l
RT: 6.29 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.0
61	45.3	35.5	53.3





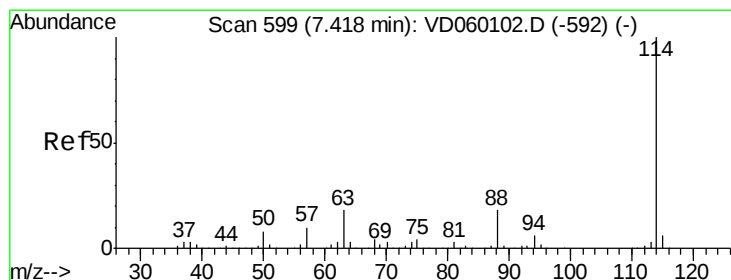
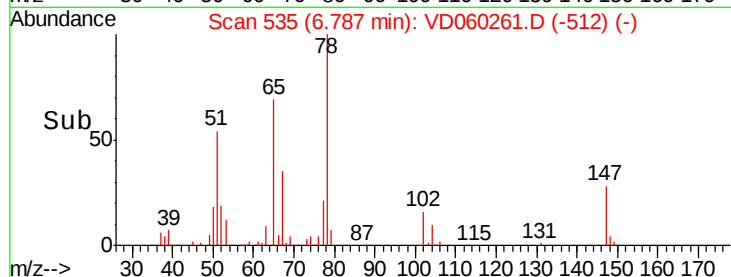
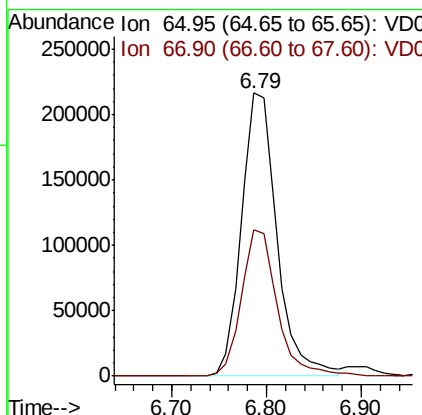
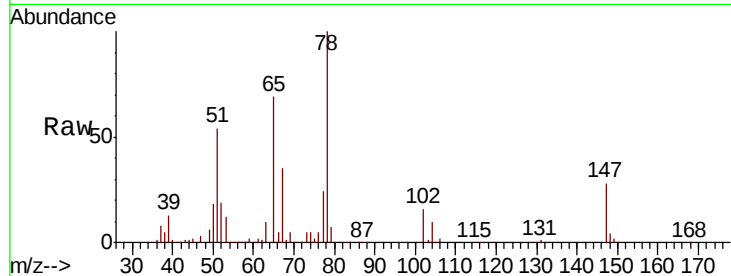
#33
 1,2-Dichloroethane-d4
 Concen: 22.487 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. 0.03 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion: 65 Resp: 563264
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.2

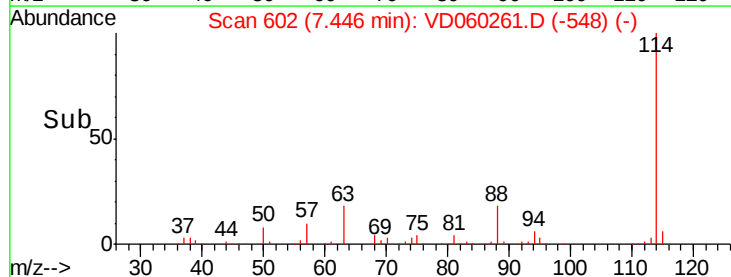
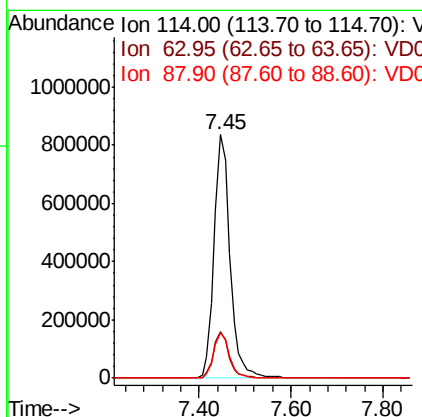
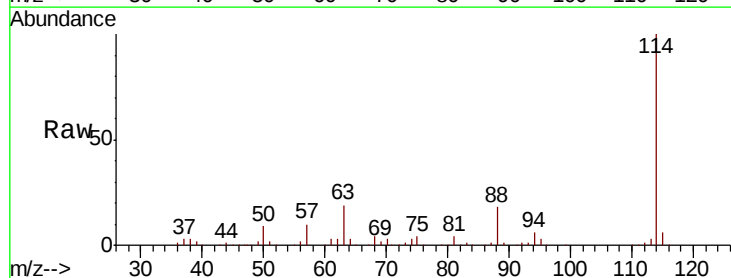
Manual Integrations
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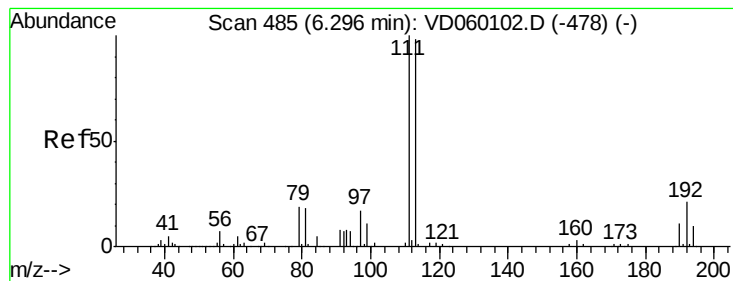
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Tgt Ion: 114 Resp: 1990934
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.0
 88 18.5 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: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

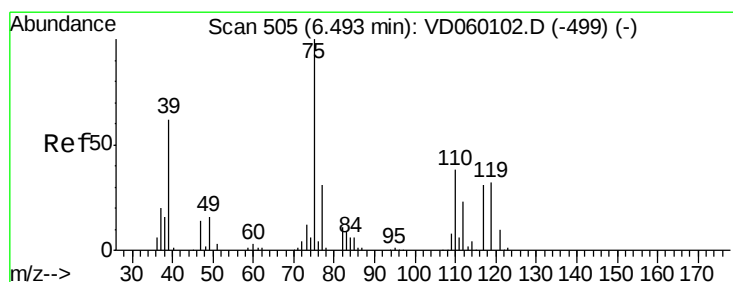
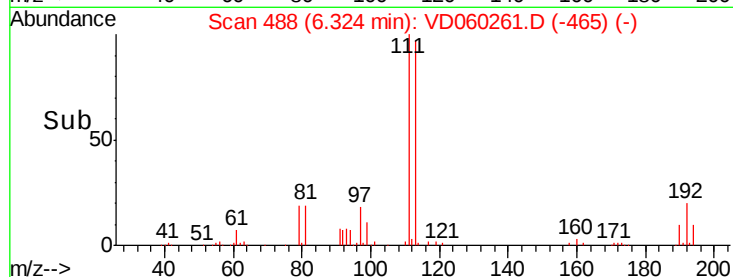
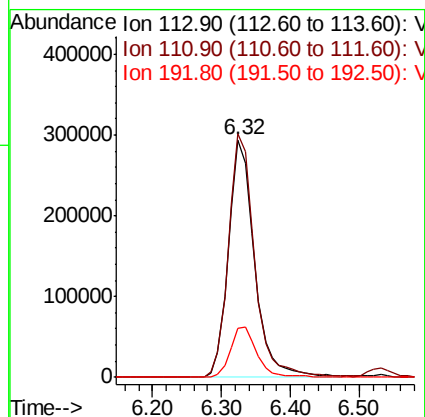
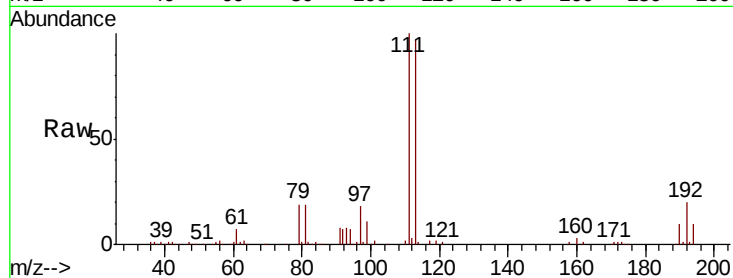
ClientSampleId :

VD1101SBS01

Tot Ion:	113	Resp:	771962
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.5	122.3
192	20.4	17.4	26.0

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#36

1,1-Dichloropropene

Concen: 22.270 ug/l

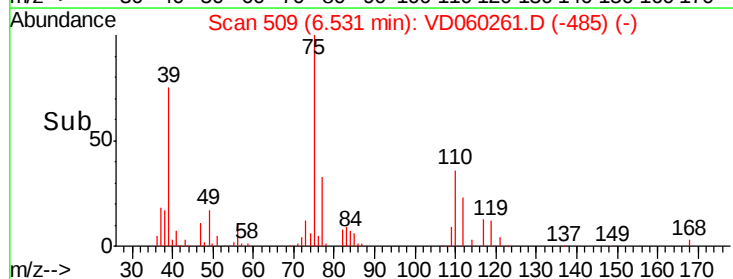
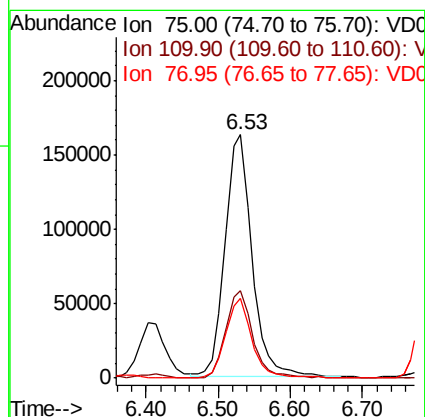
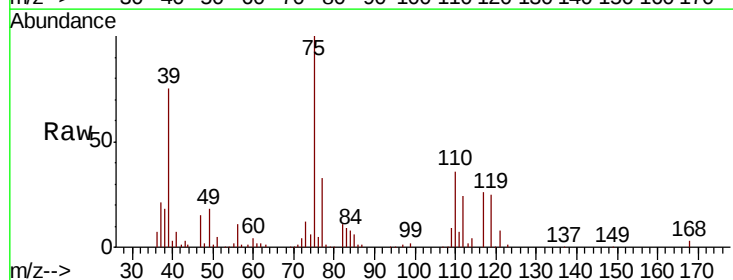
RT: 6.53 min Scan# 509

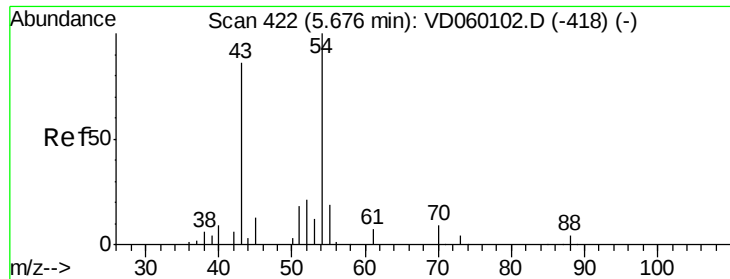
Delta R.T. 0.04 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Tgt Ion:	75	Resp:	423683
Ion Ratio	Lower	Upper	
75	100		
110	36.1	19.0	57.0
77	33.0	24.9	37.3





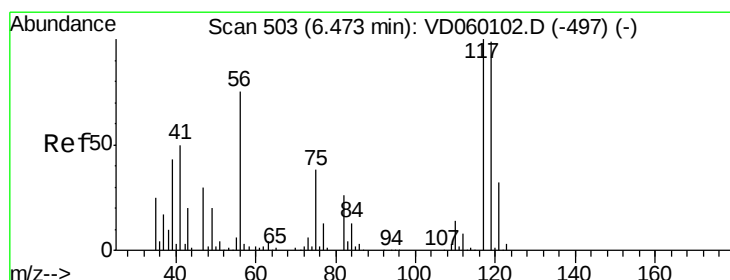
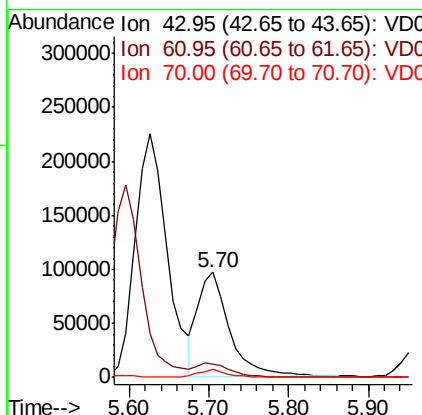
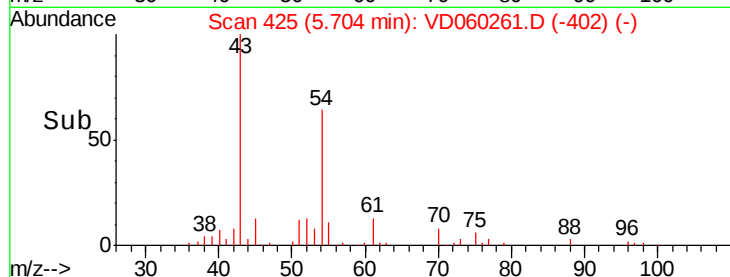
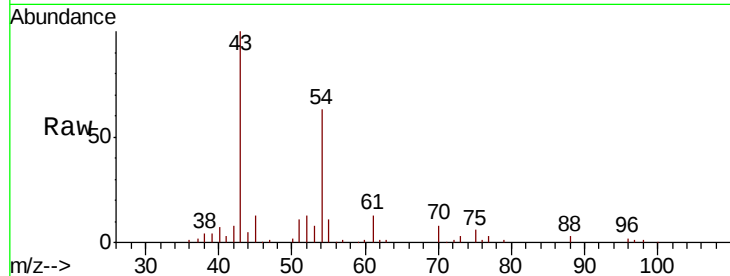
#37
Ethyl Acetate
Concen: 20.841 ug/l
RT: 5.70 min Scan# 425
Delta R.T. 0.03 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	7.8	6.3	9.5

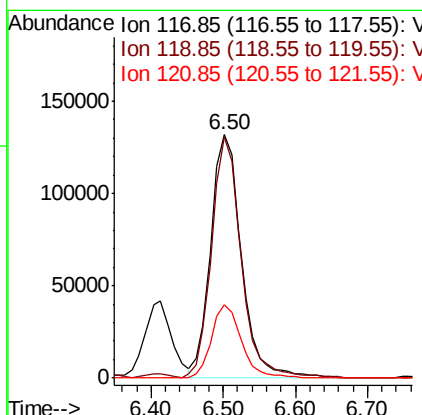
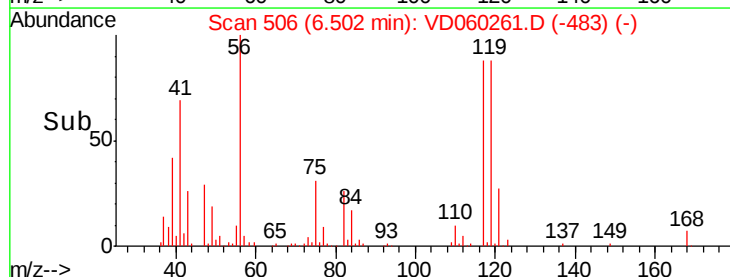
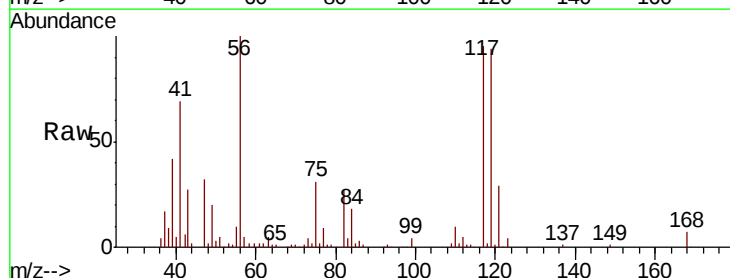
Manual Integrations
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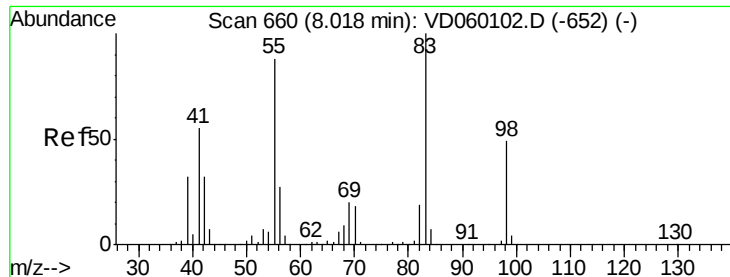
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#38
Carbon Tetrachloride
Concen: 22.211 ug/l
RT: 6.50 min Scan# 506
Delta R.T. 0.03 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	77.8	116.6
121	30.1	24.8	37.2





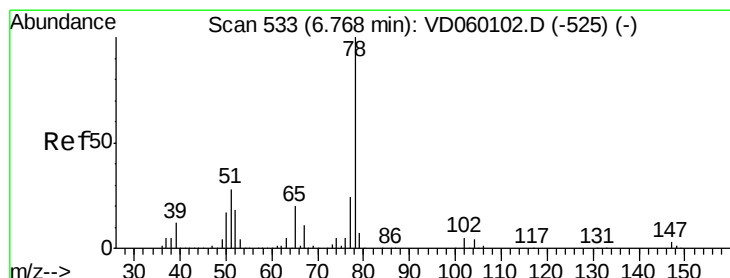
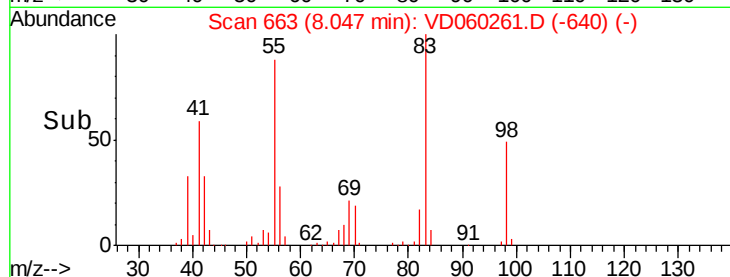
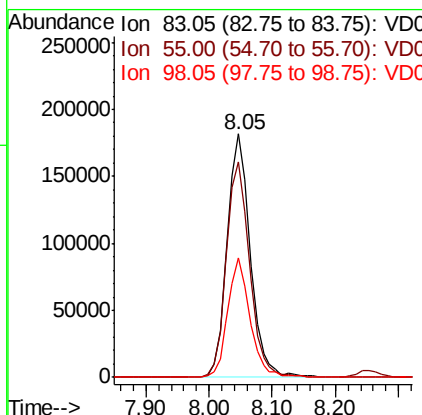
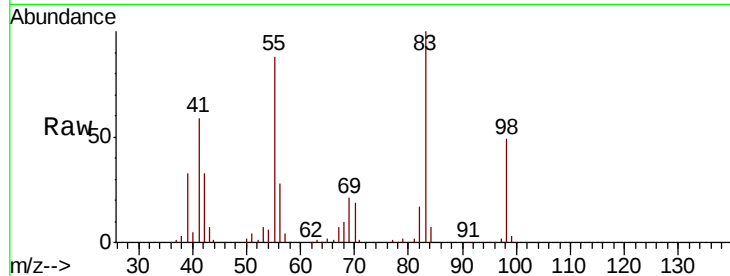
#39
Methvlcvclohexane
Concen: 21.343 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.03 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.5	70.5	105.7
98	49.2	39.4	59.2

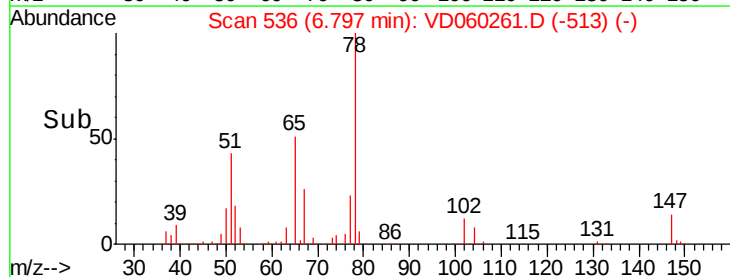
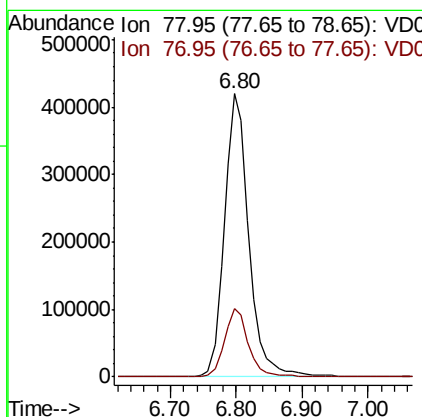
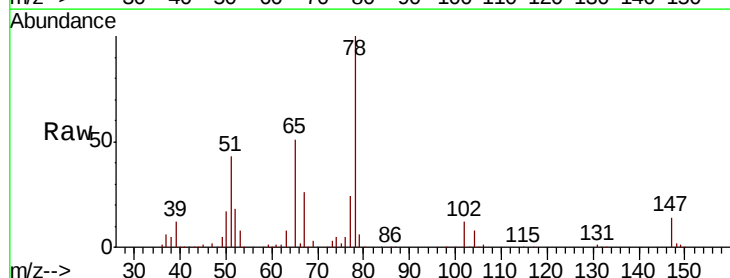
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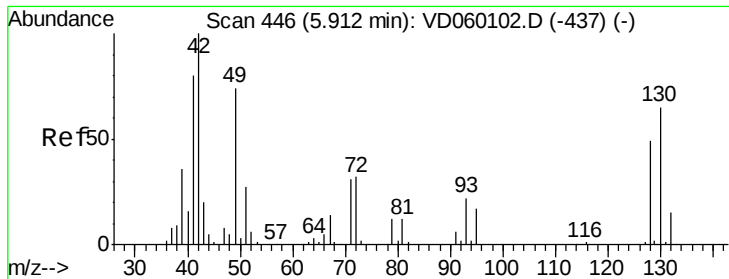
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#40
Benzene
Concen: 21.810 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





#41

Methacrylonitrile

Concen: 16.543 ug/l m

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 41 Resp: 118078

Ion Ratio Lower Upper

41 100

39 50.6 36.0 54.0

67 43.6 13.9 20.9#

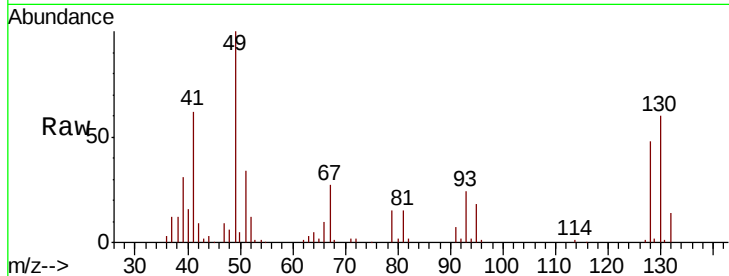
52 19.5 6.1 9.1#

Manual Integrations

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apatel

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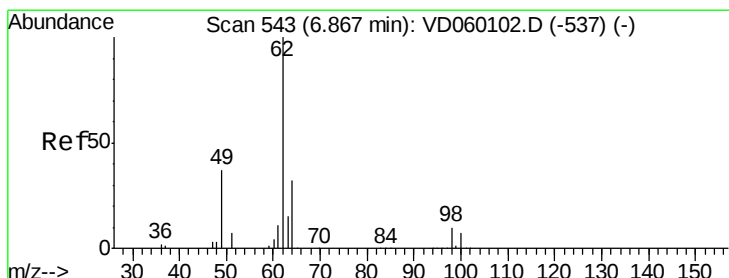
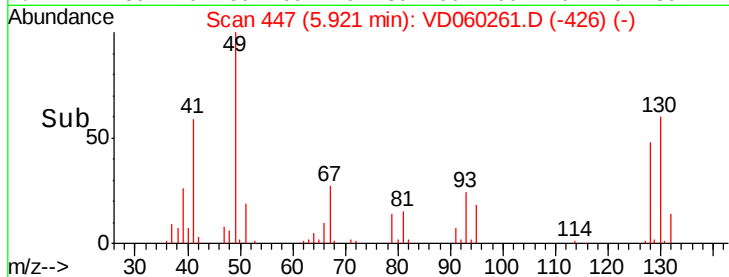
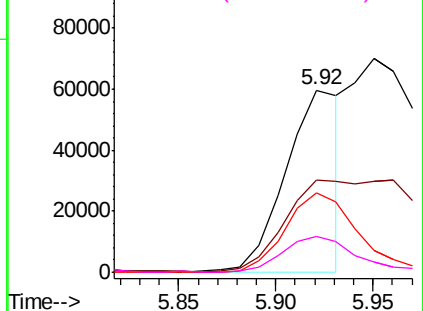


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.393 ug/l

RT: 6.90 min Scan# 546

Delta R.T. 0.03 min

Lab File: VD060261.D

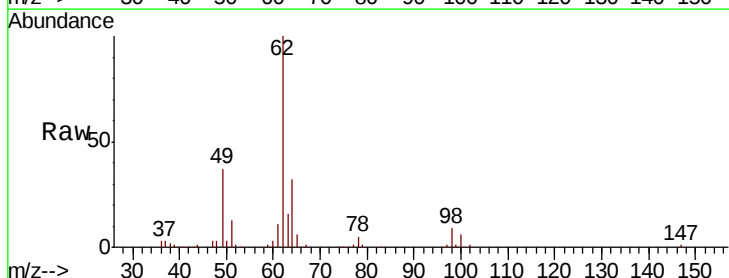
Acq: 1 Nov 2018 14:41

Tgt Ion: 62 Resp: 319540

Ion Ratio Lower Upper

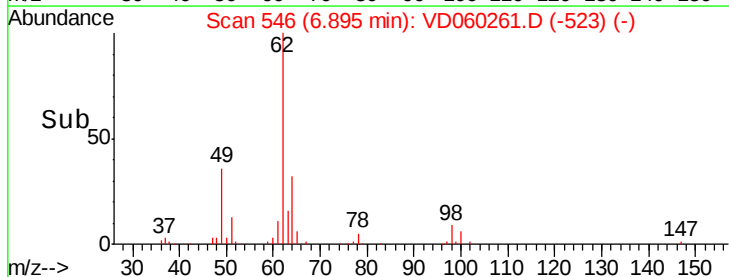
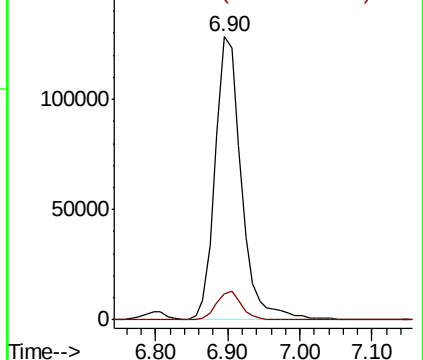
62 100

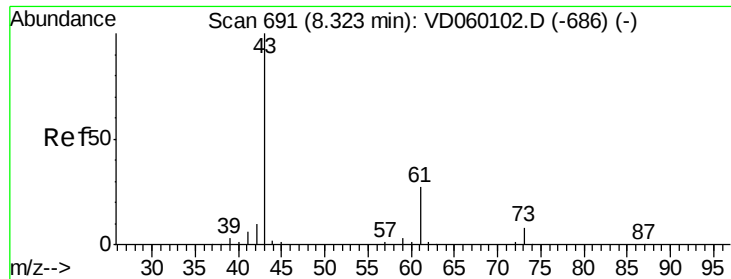
98 9.3 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

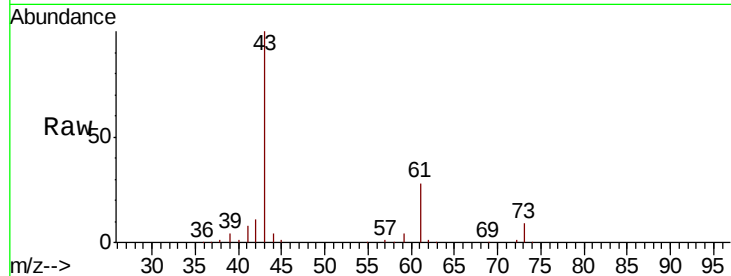
Isopropyl Acetate
 Concen: 20.997 ug/l
 RT: 8.36 min Scan# 695
 Delta R.T. 0.04 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

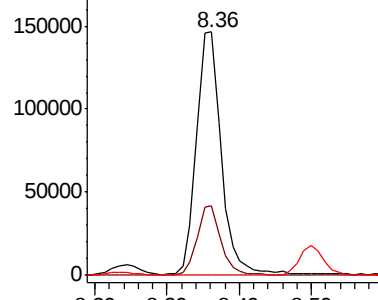
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	21.4	32.2
87	0.0	0.2	0.2

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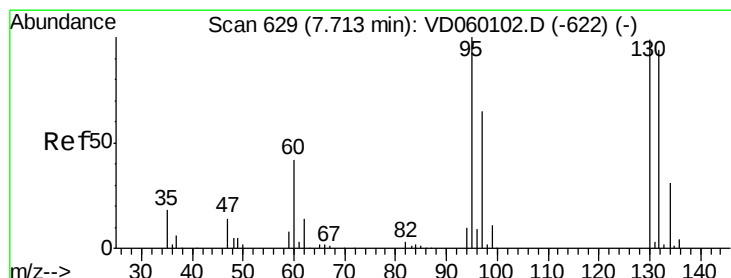
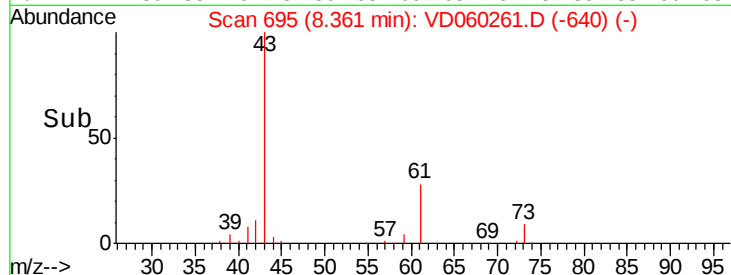
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Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



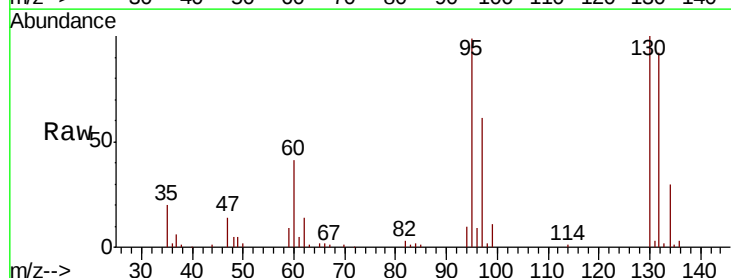
Time-->



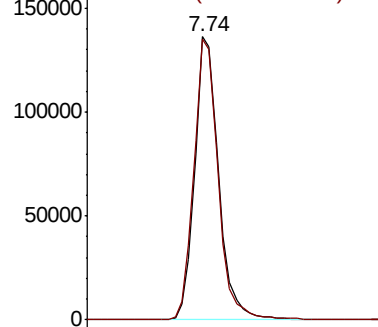
#44

Trichloroethene
 Concen: 21.292 ug/l
 RT: 7.74 min Scan# 632
 Delta R.T. 0.03 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

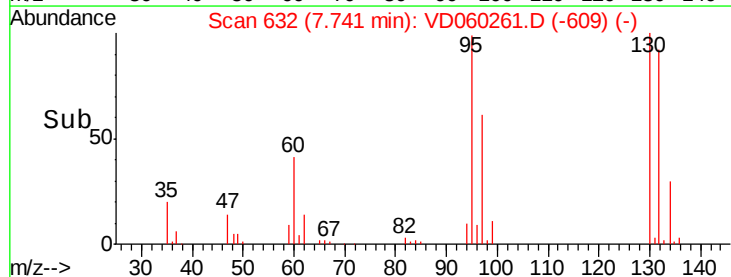
Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	202.2

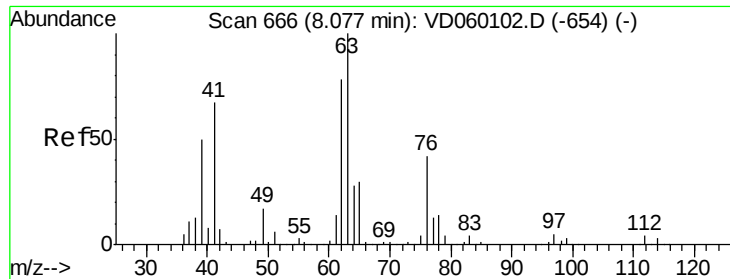


Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC



Time-->





#45

1,2-Dichloropropane

Concen: 19.645 ug/l

RT: 8.11 min Scan# 669

Delta R.T. 0.03 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

ClientSampled :

VD1101SBS01

Tot Ion: 63 Resp: 256024

Ion Ratio Lower Upper

63 100

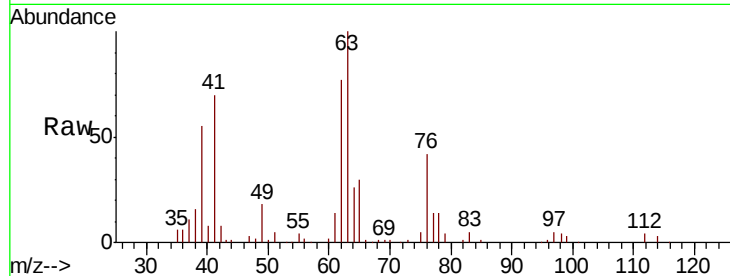
65 30.2 24.1 36.1

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

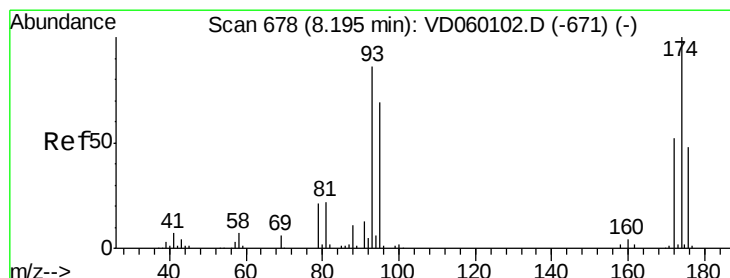
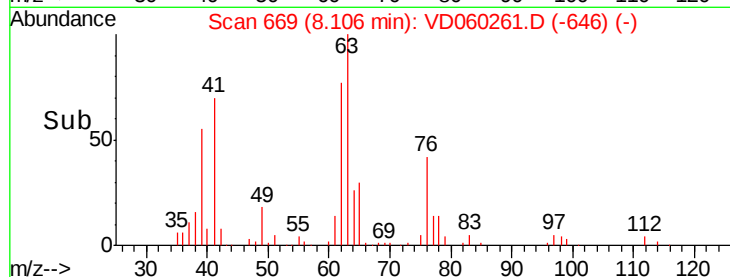
8.11

100000

50000

0

Time--> 7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 21.403 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.03 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

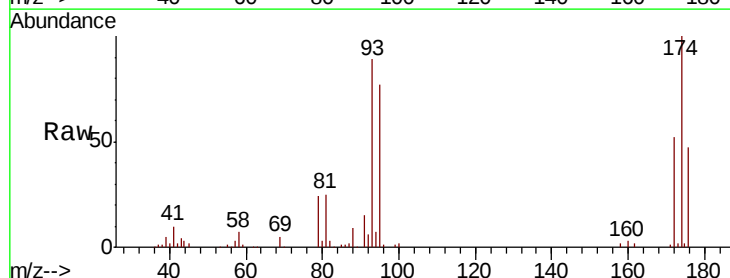
Tgt Ion: 93 Resp: 180591

Ion Ratio Lower Upper

93 100

95 86.6 63.8 95.6

174 112.9 92.9 139.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

120000

100000

80000

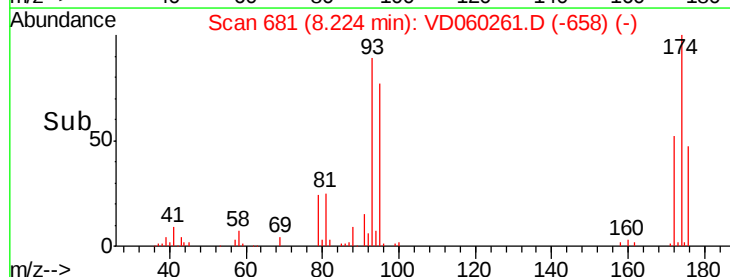
60000

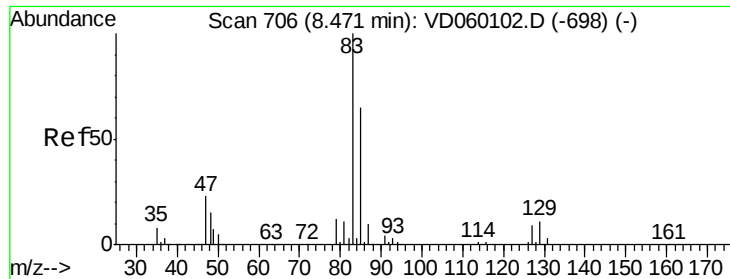
40000

20000

0

Time--> 8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 22.626 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.03 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

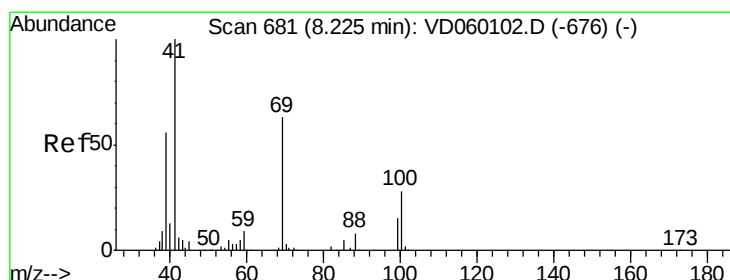
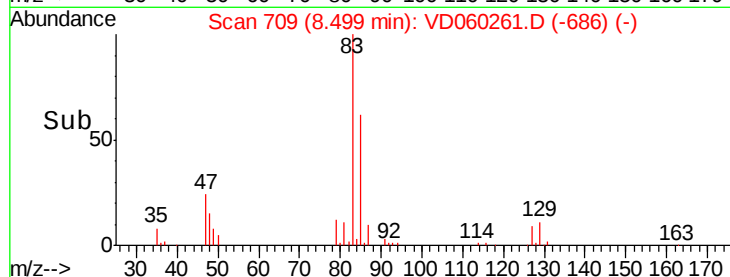
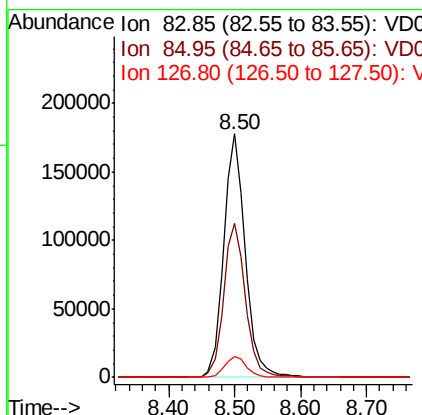
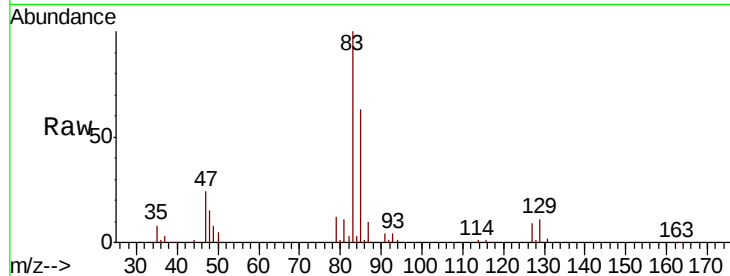
ClientSampleId :

VD1101SBS01

Tot Ion:	83	Resp:	406766
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.2	78.2
127	8.6	7.4	11.0

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#48

Methyl methacrylate

Concen: 21.507 ug/l

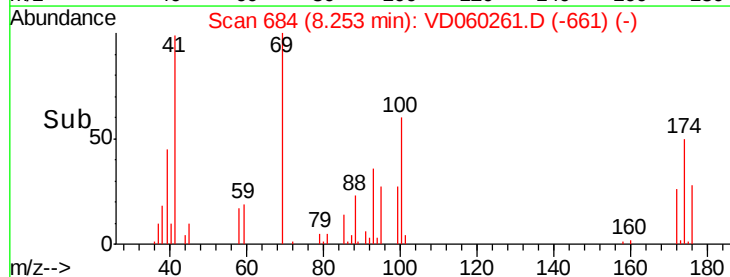
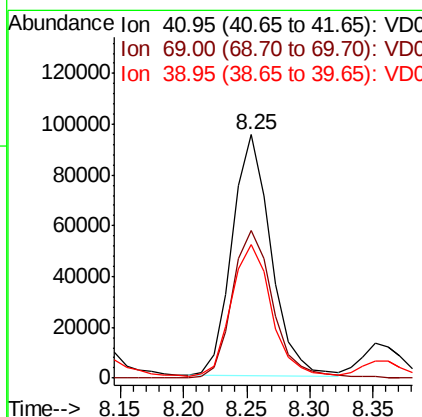
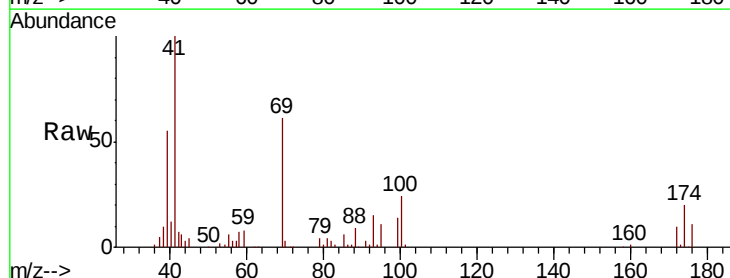
RT: 8.25 min Scan# 684

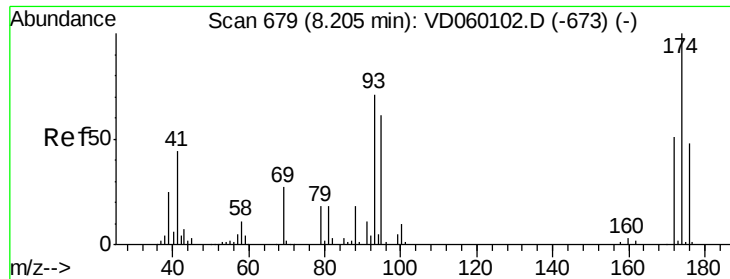
Delta R.T. 0.03 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Tgt Ion:	41	Resp:	203531
Ion Ratio	Lower	Upper	
41	100		
69	60.6	49.7	74.5
39	55.0	45.2	67.8





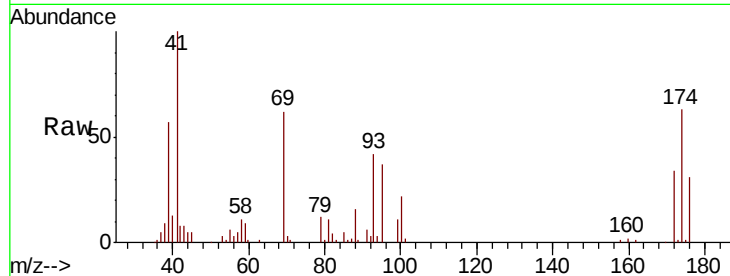
#49
1,4-Dioxane
Concen: 419.826 ug/l
RT: 8.24 min Scan# 683
Delta R.T. 0.04 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

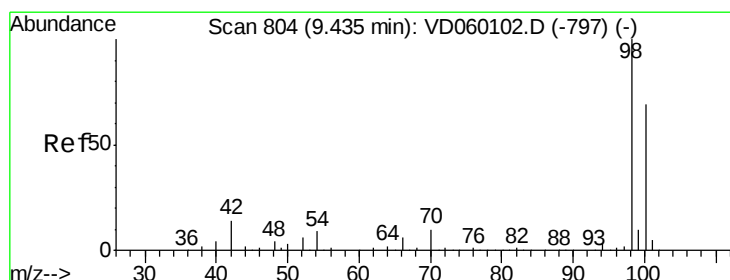
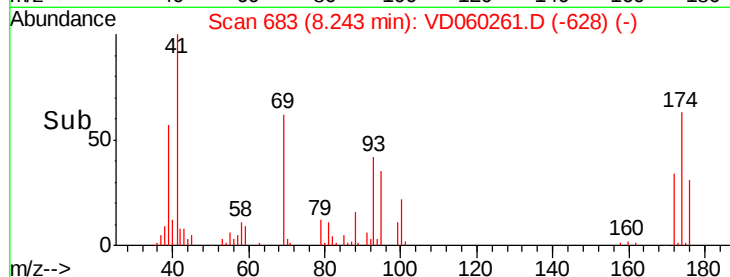
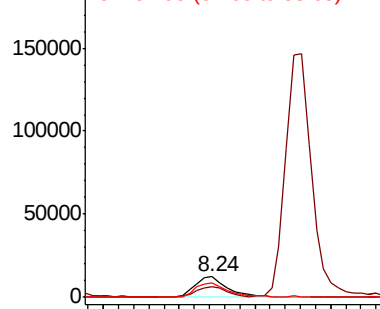
Tot Ion	Ratio	Lower	Upper
88	100		
43	50.9	33.7	50.5#
58	70.4	49.1	73.7

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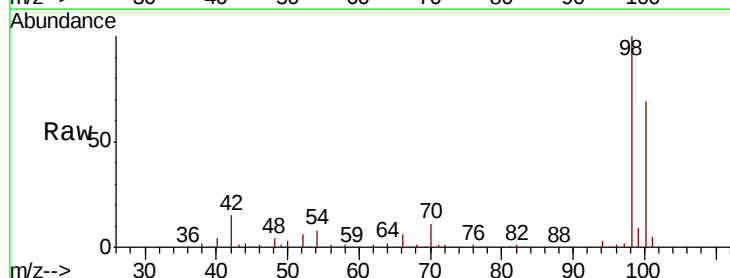


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

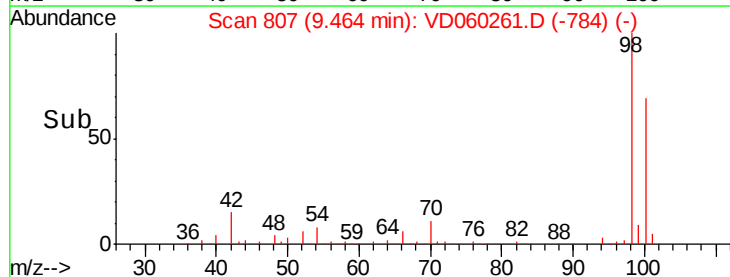
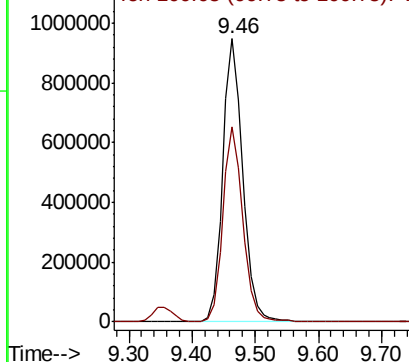


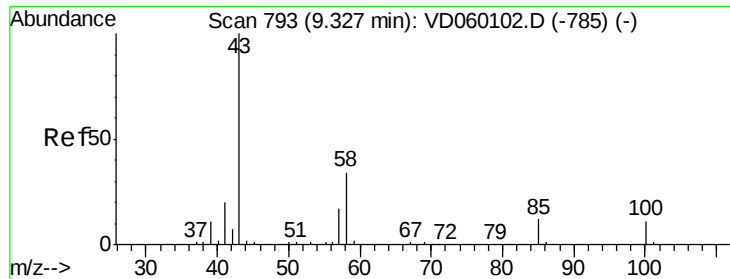
#50
Toluene-d8
Concen: 419.826 ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.03 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.1	55.4	83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 110.452 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Tot Ion: 43 Resp: 1157402

Ion Ratio Lower Upper

43 100

58 32.3 27.2 40.8

Instrument :

MSVOA_D

ClientSampleId :

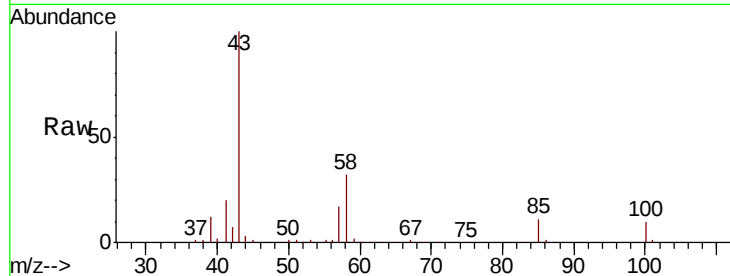
VD1101SBS01

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

500000

400000

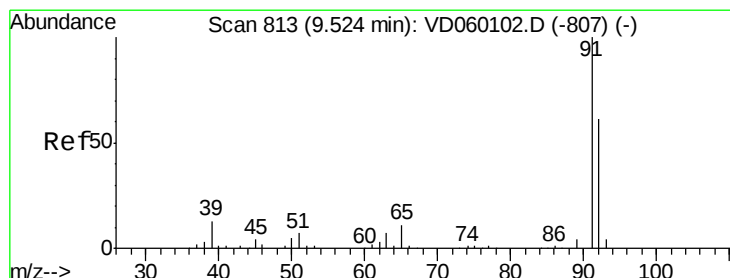
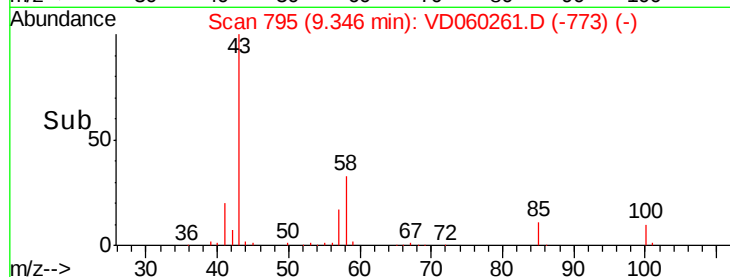
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.586 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060261.D

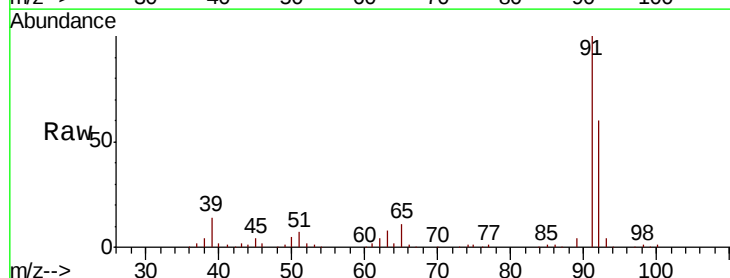
Acq: 1 Nov 2018 14:41

Tgt Ion: 92 Resp: 691931

Ion Ratio Lower Upper

92 100

91 166.5 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.55

600000

500000

400000

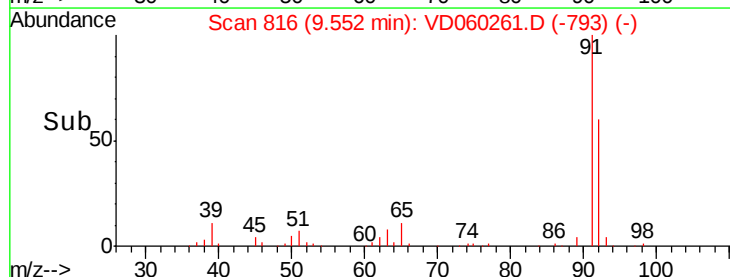
300000

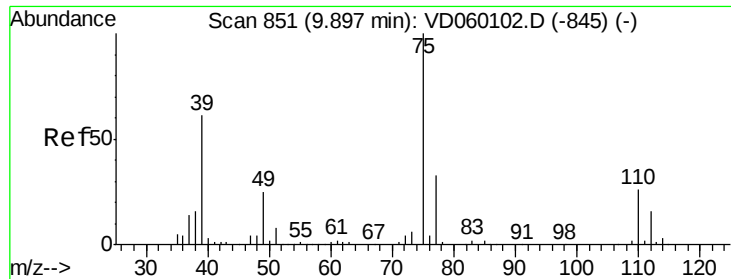
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.985 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.03 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 75 Resp: 357634

Ion Ratio Lower Upper

75 100

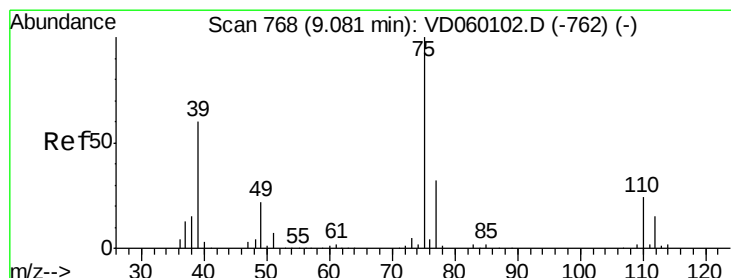
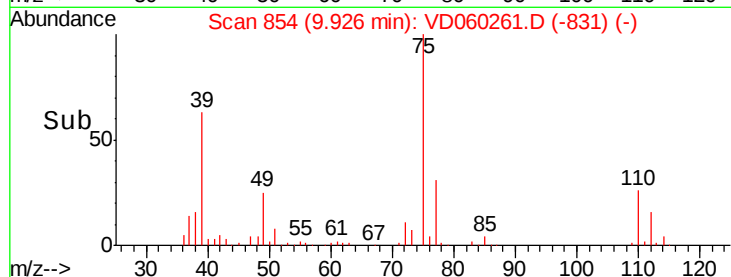
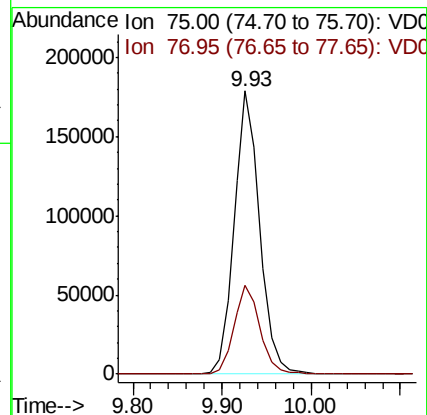
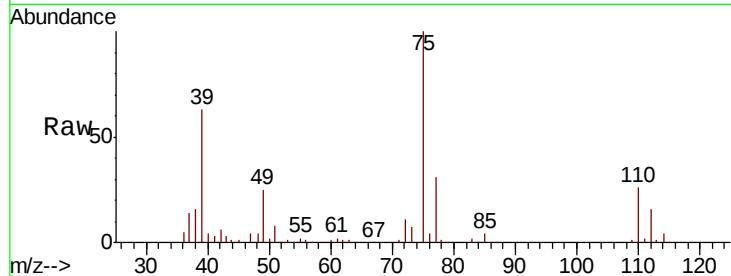
77 31.2 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 21.828 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.03 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

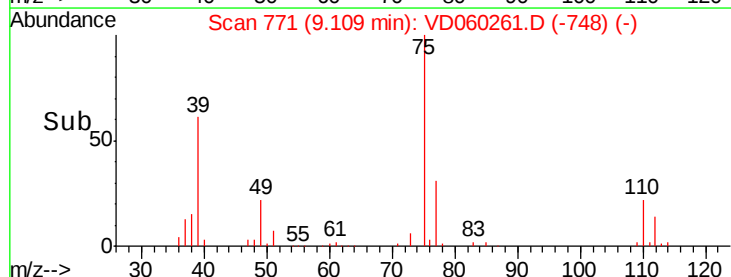
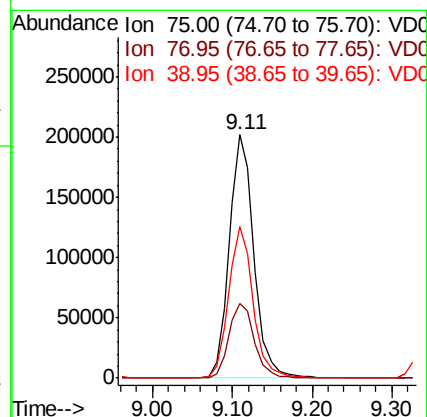
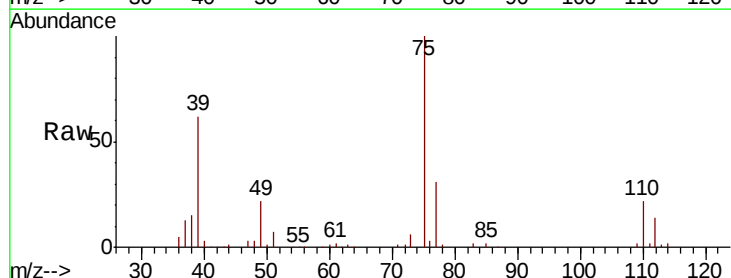
Tgt Ion: 75 Resp: 438475

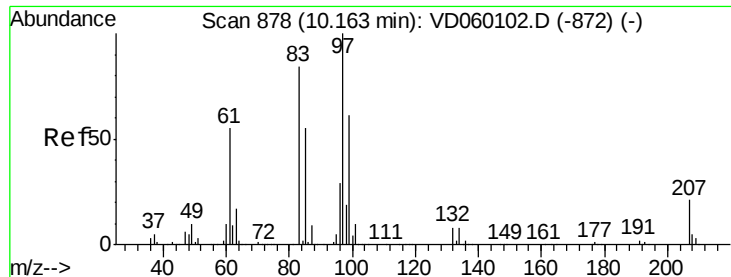
Ion Ratio Lower Upper

75 100

77 30.6 25.7 38.5

39 62.1 48.2 72.4





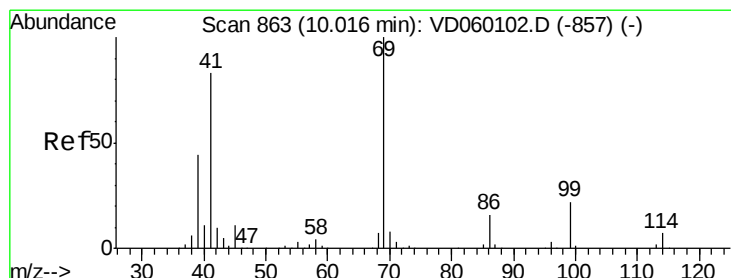
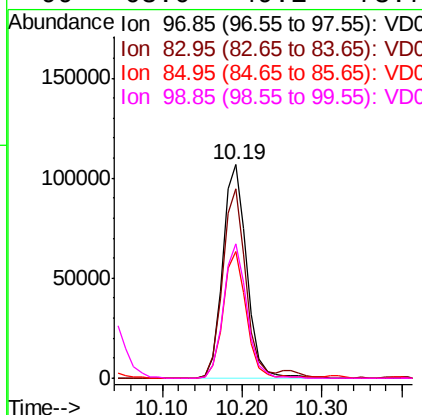
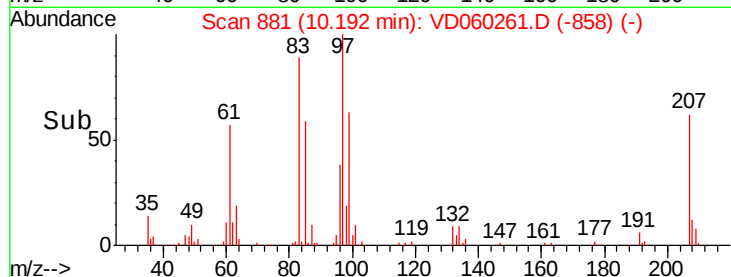
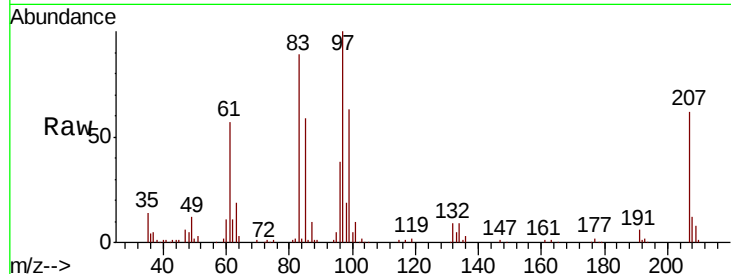
#55
 1,1,2-Trichloroethane
 Concen: 21.609 ug/l
 RT: 10.19 min Scan# 881
 Delta R.T. 0.03 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion	97	Resp	226445
Ion Ratio	Lower	Upper	
97	100		
83	88.5	67.0	100.6
85	59.4	43.9	65.9
99	63.0	49.1	73.7

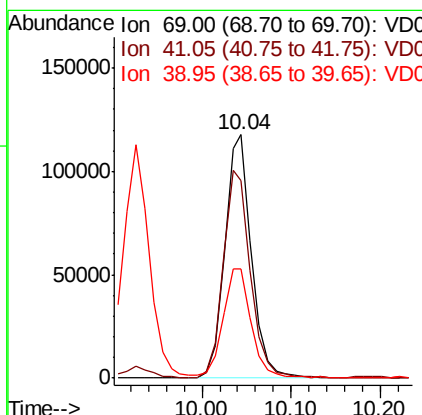
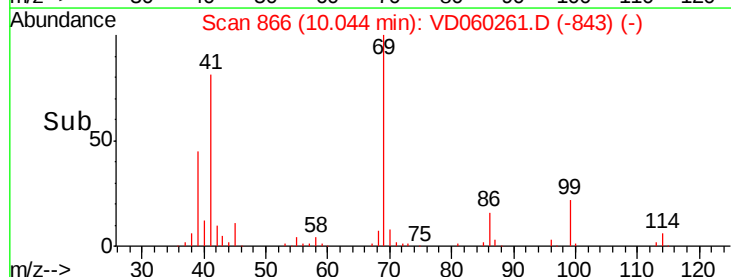
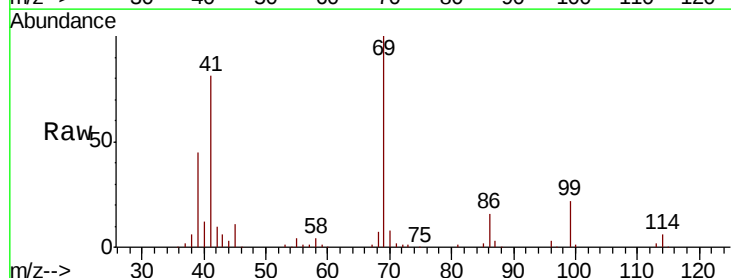
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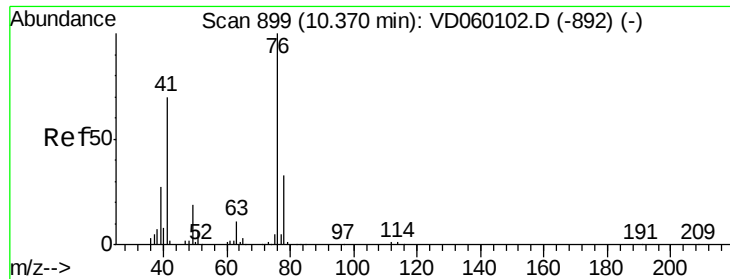
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#56
 Ethyl methacrylate
 Concen: 21.228 ug/l
 RT: 10.04 min Scan# 866
 Delta R.T. 0.03 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	69	Resp	245556
Ion Ratio	Lower	Upper	
69	100		
41	81.1	66.6	100.0
39	44.8	36.0	54.0





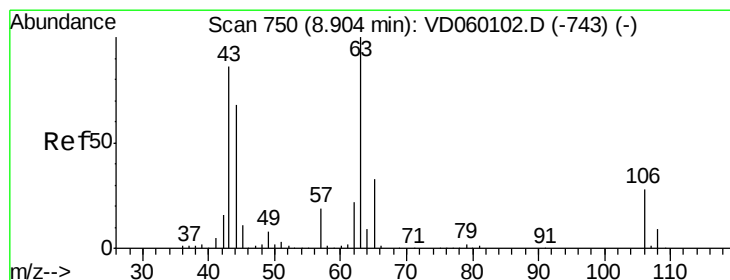
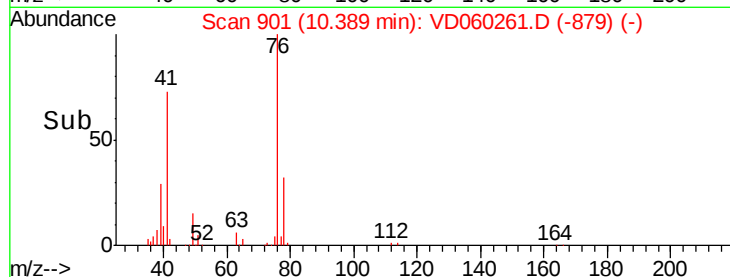
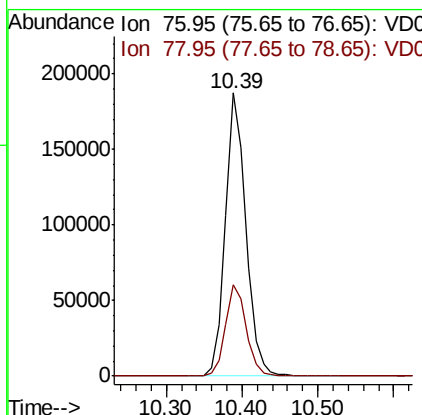
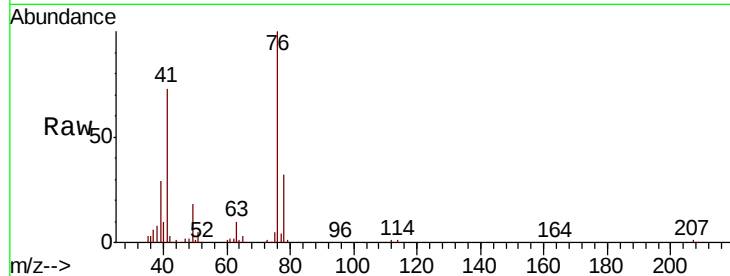
#57
 1,3-Dichloropropane
 Concen: 21.975 ug/l
 RT: 10.39 min Scan# 901
 Delta R.T. 0.02 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion: 76 Resp: 351217
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2

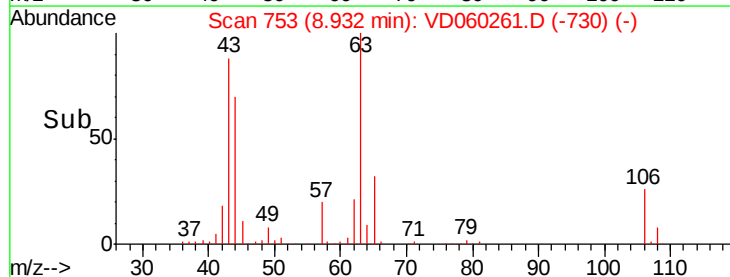
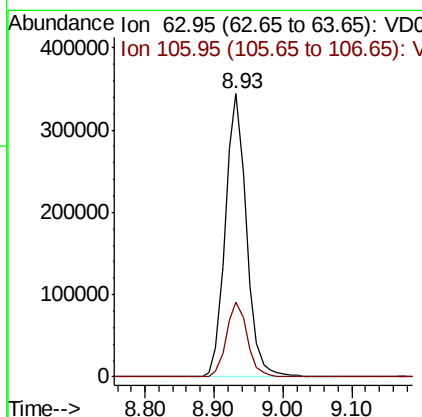
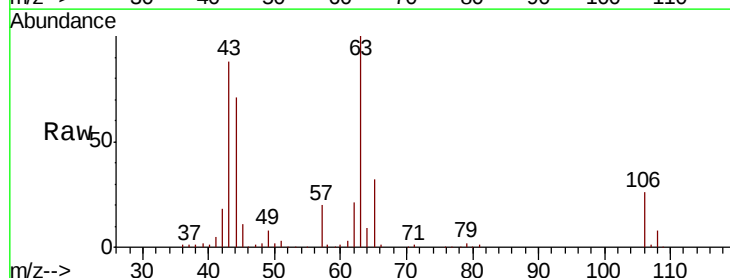
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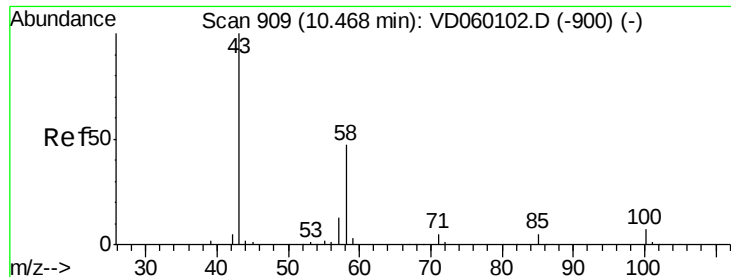
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#58
 2-Chloroethyl Vinyl ether
 Concen: 113.642 ug/l
 RT: 8.93 min Scan# 753
 Delta R.T. 0.03 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Tgt Ion: 63 Resp: 729996
 Ion Ratio Lower Upper
 63 100
 106 26.3 22.6 34.0





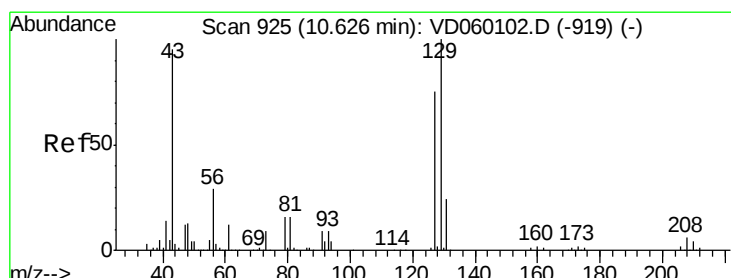
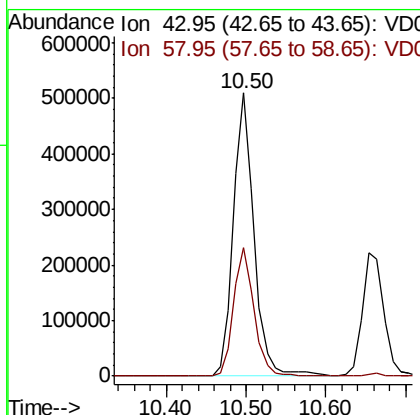
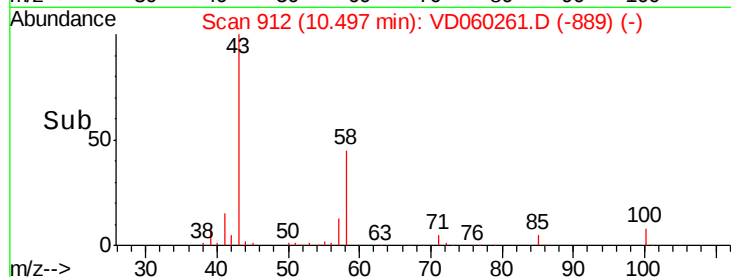
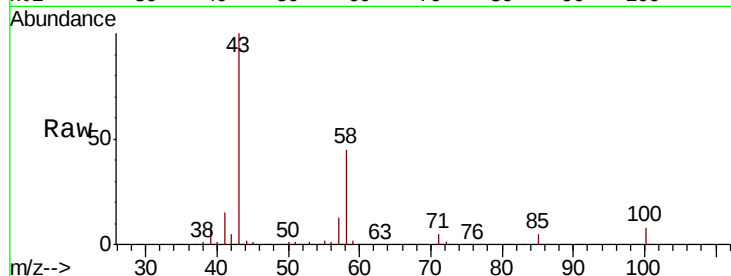
#59
2-Hexanone
Concen: 122.995 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.03 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion: 43 Resp: 926779
Ion Ratio Lower Upper
43 100
58 45.3 23.3 69.9

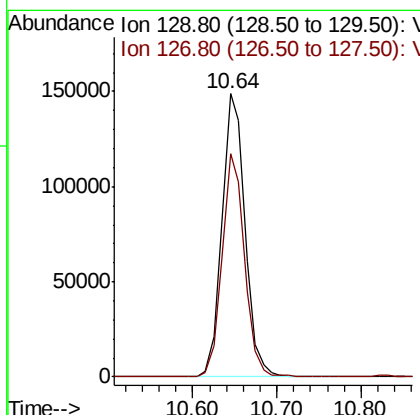
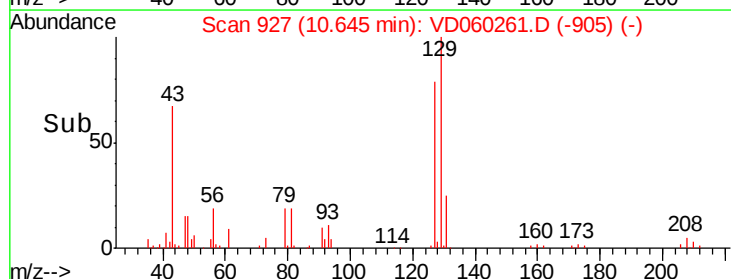
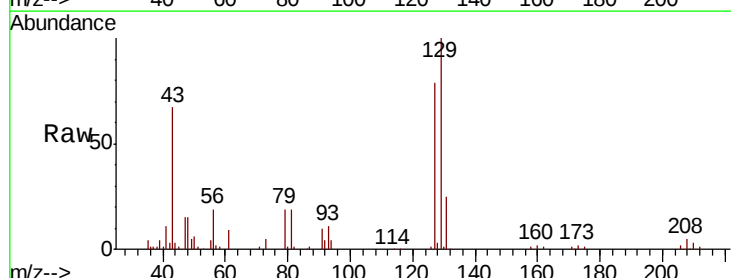
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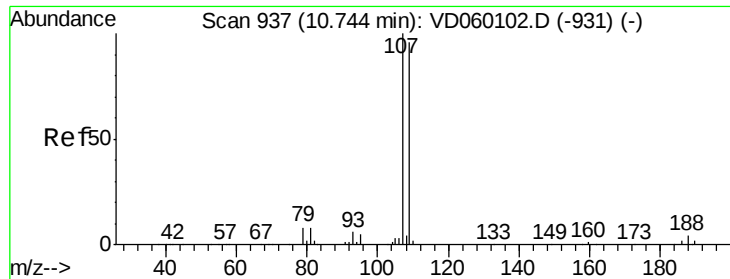
apatel
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#60
Dibromochloromethane
Concen: 21.896 ug/l
RT: 10.64 min Scan# 927
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 129 Resp: 281523
Ion Ratio Lower Upper
129 100
127 79.0 37.4 112.2





#61

1,2-Dibromoethane

Concen: 20.936 ug/l

RT: 10.76 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tot Ion: 107 Resp: 233108

Ion Ratio Lower Upper

107 100

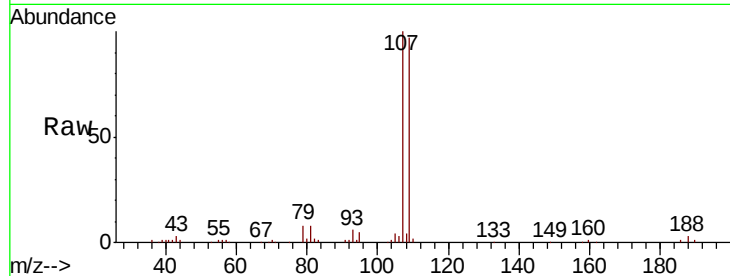
109 96.9 77.1 115.7

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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

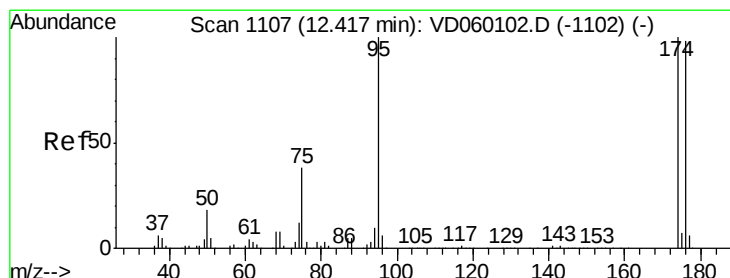
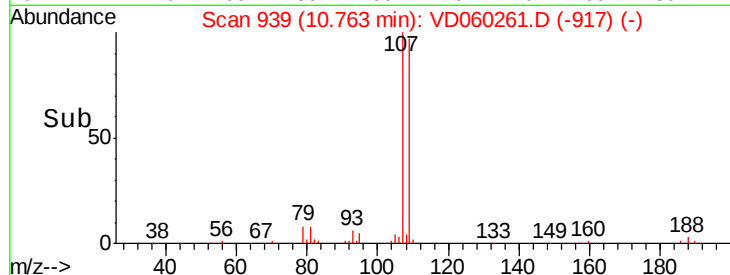
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.936 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

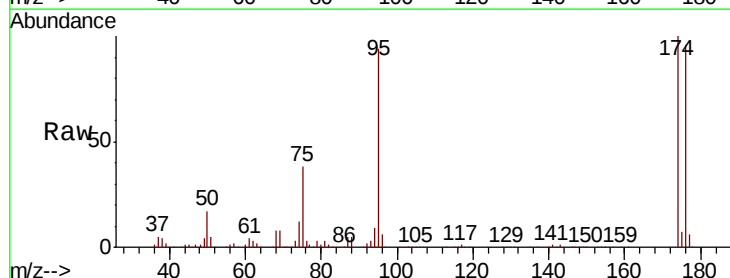
Tgt Ion: 95 Resp: 818028

Ion Ratio Lower Upper

95 100

174 106.4 0.0 200.2

176 102.0 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

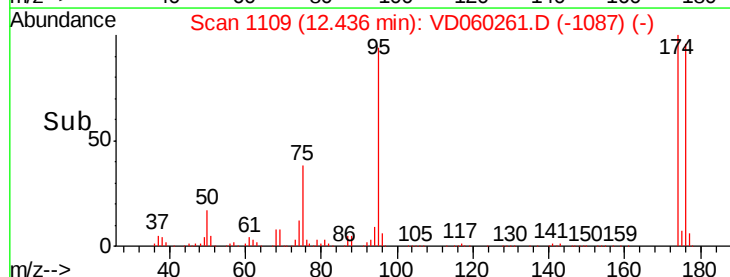
600000

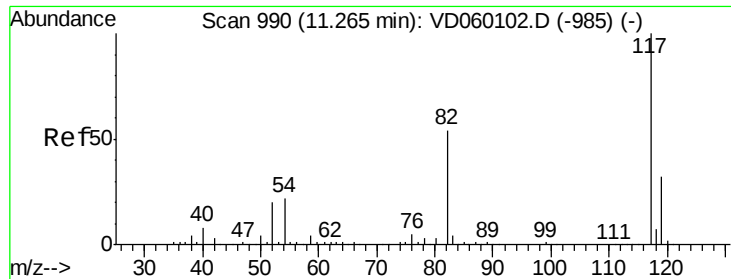
400000

200000

0

Time-->





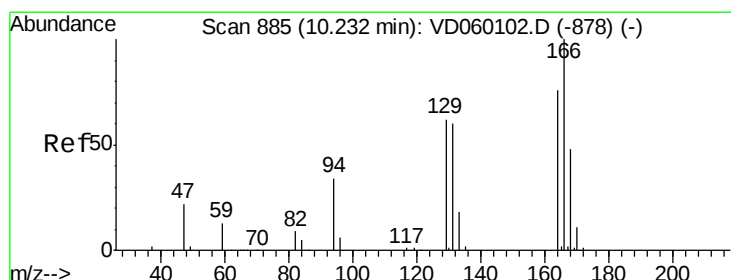
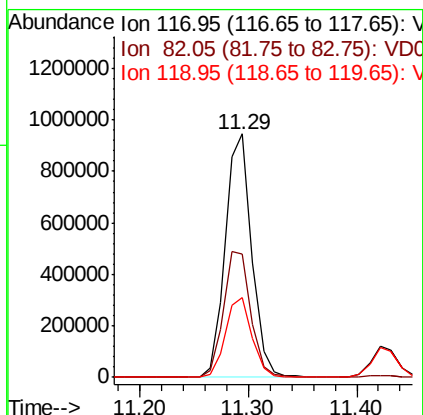
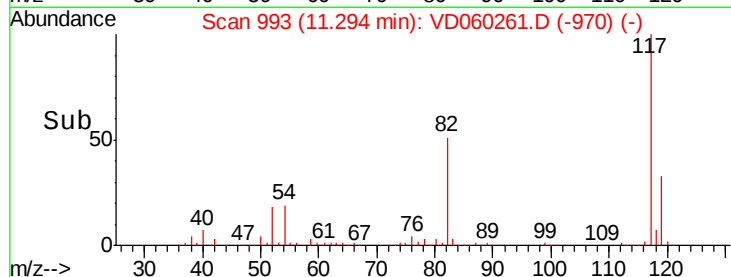
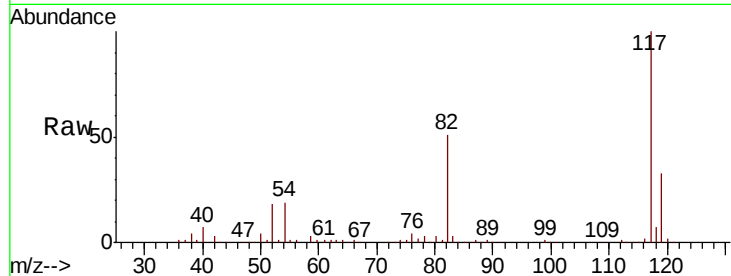
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. 0.03 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion:117 Resp: 1605430
Ion Ratio Lower Upper
117 100
82 50.6 43.4 65.2
119 33.0 26.0 39.0

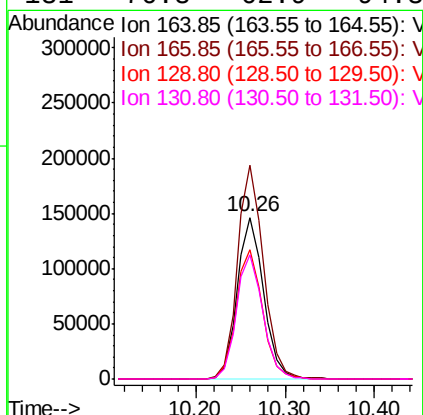
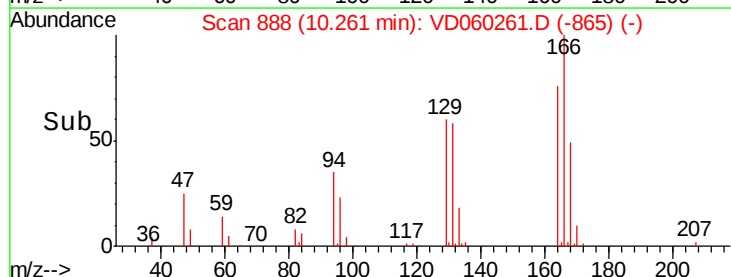
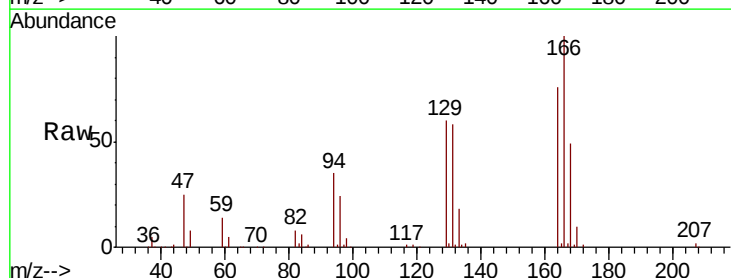
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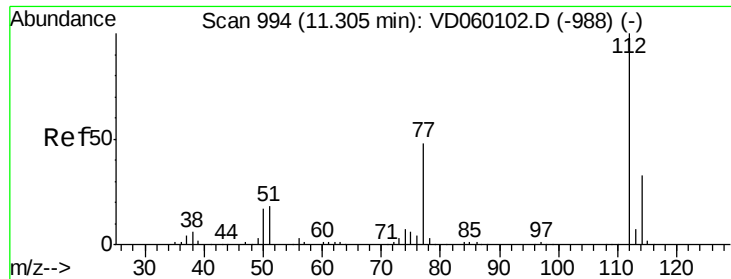
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#64
Tetrachloroethene
Concen: 21.373 ug/l
RT: 10.26 min Scan# 888
Delta R.T. 0.03 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion:164 Resp: 300534
Ion Ratio Lower Upper
164 100
166 132.2 105.4 158.0
129 79.8 65.7 98.5
131 76.8 62.9 94.3





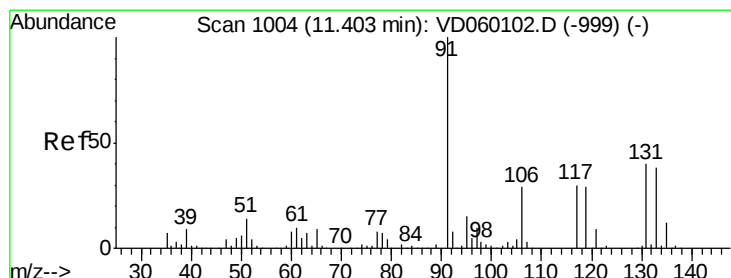
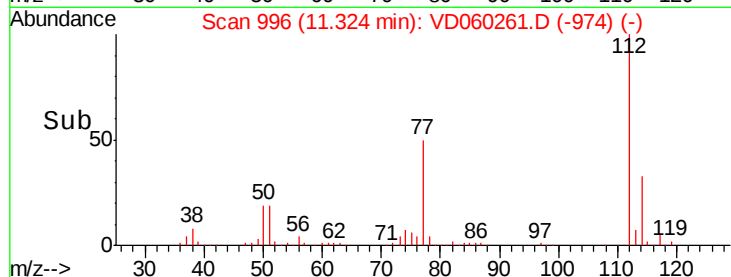
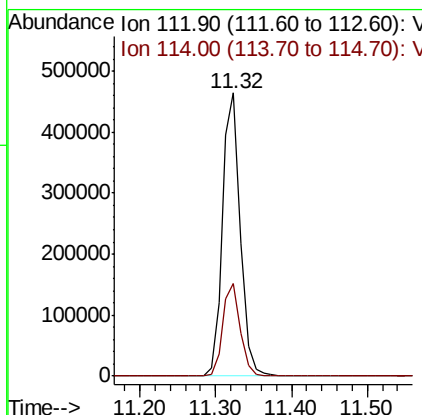
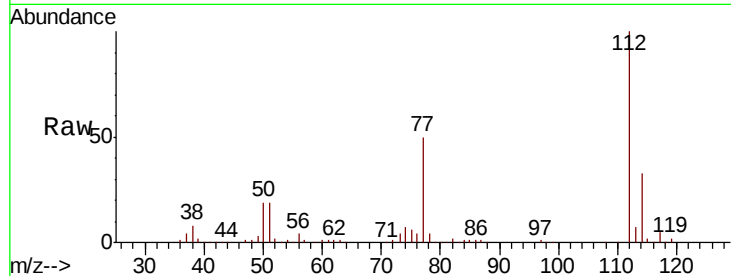
#65
Chlorobenzene
Concen: 21.806 ug/l
RT: 11.32 min Scan# 996
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion:112 Resp: 757367
Ion Ratio Lower Upper
112 100
114 32.7 26.0 39.0

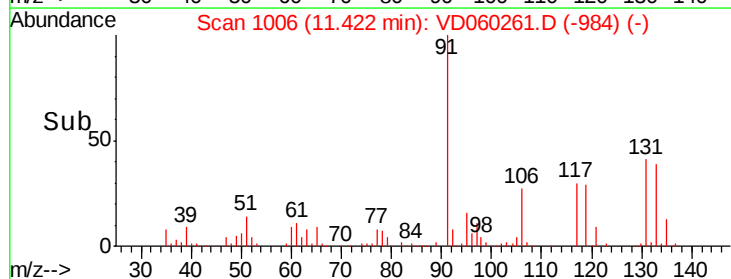
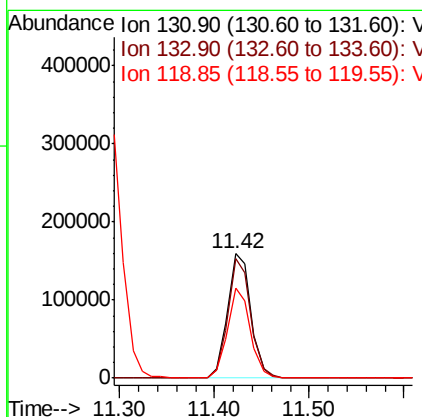
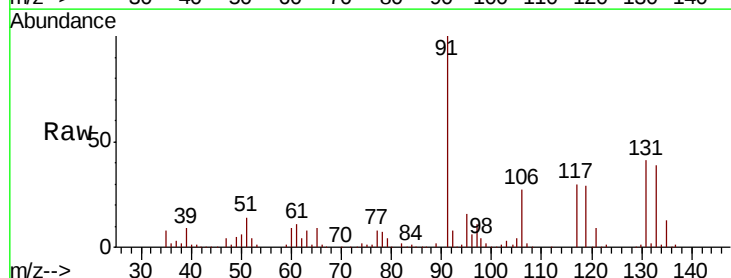
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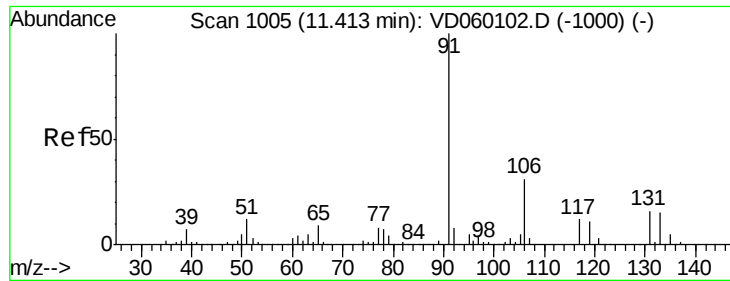
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.428 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion:131 Resp: 271452
Ion Ratio Lower Upper
131 100
133 96.8 47.4 142.3
119 72.6 36.1 108.3





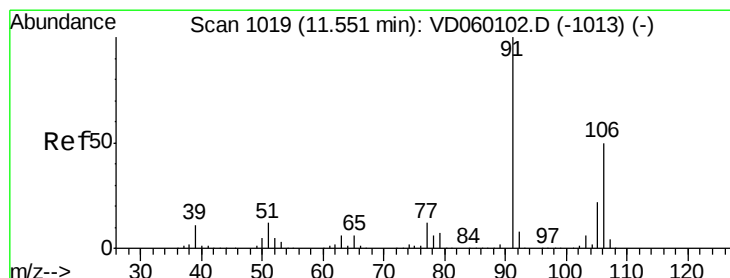
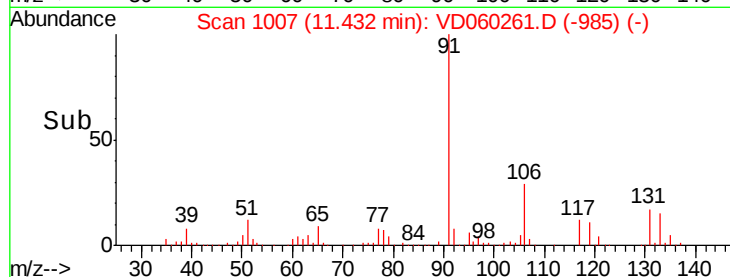
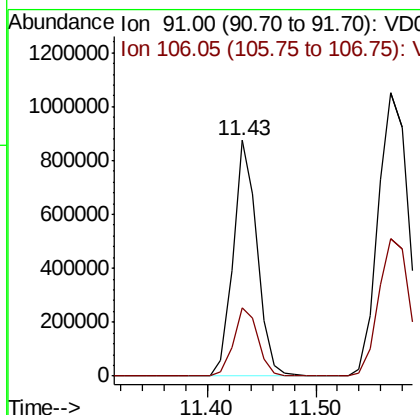
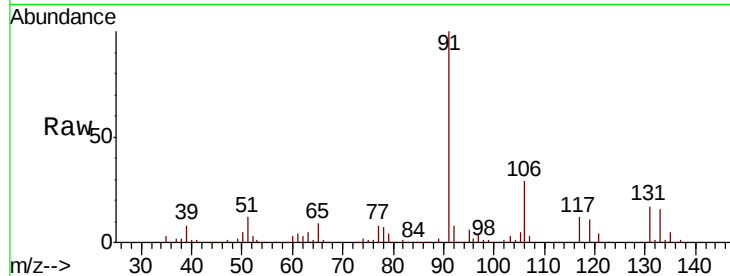
#67
Ethyl Benzene
Concen: 23.852 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion: 91 Resp: 1342207
Ion Ratio Lower Upper
91 100
106 29.0 24.4 36.6

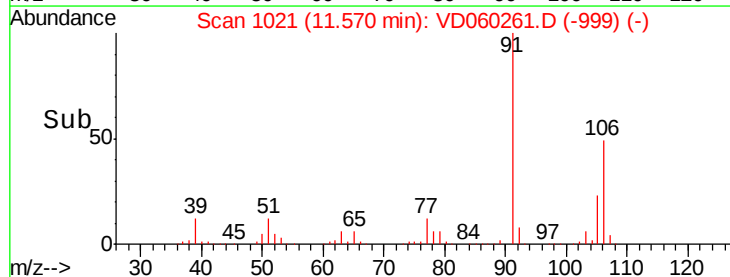
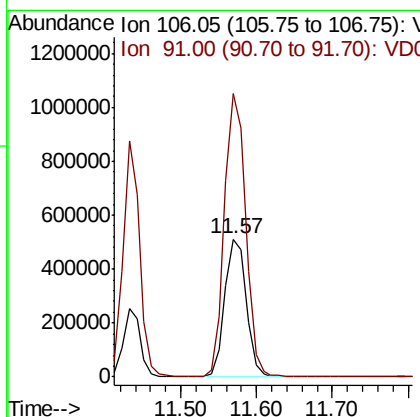
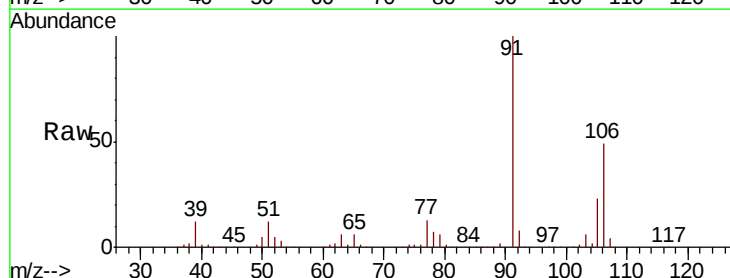
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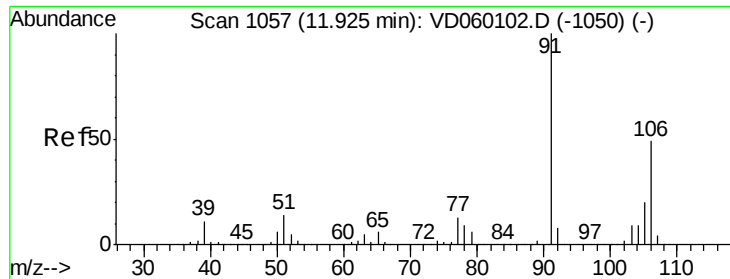
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#68
m/p-Xylenes
Concen: 47.628 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 106 Resp: 1001377
Ion Ratio Lower Upper
106 100
91 205.5 160.0 240.0





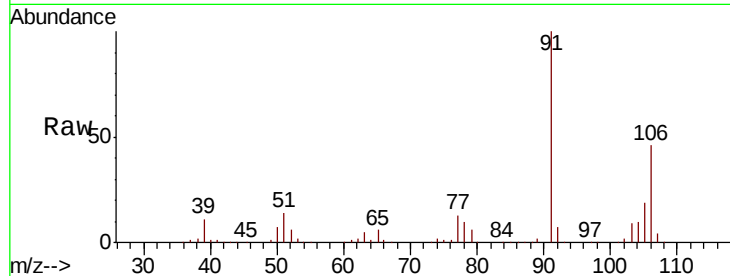
#69
o-Xylene
Concen: 22.225 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

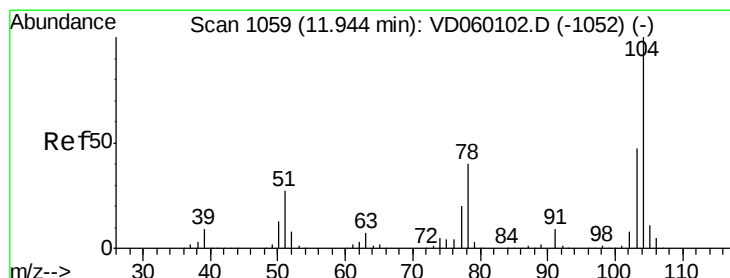
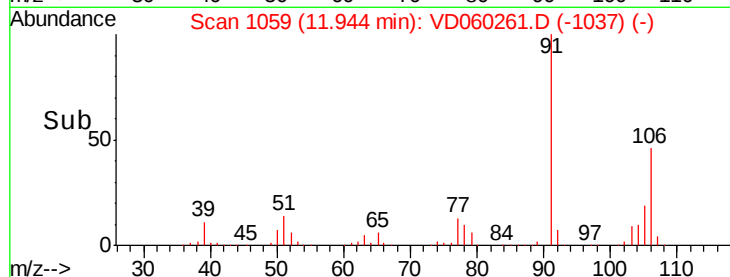
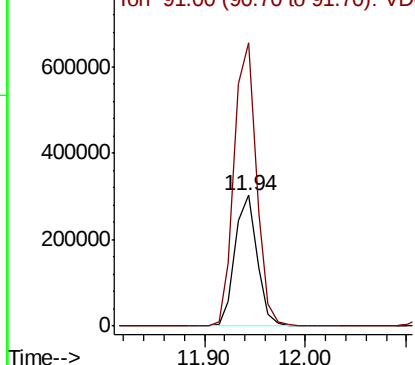
Tot Ion:106 Resp: 462205
Ion Ratio Lower Upper
106 100
91 216.9 102.5 307.5

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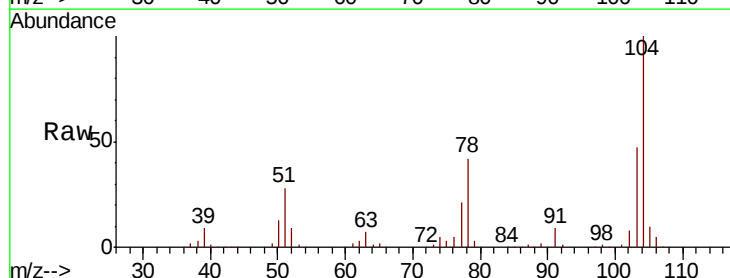


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

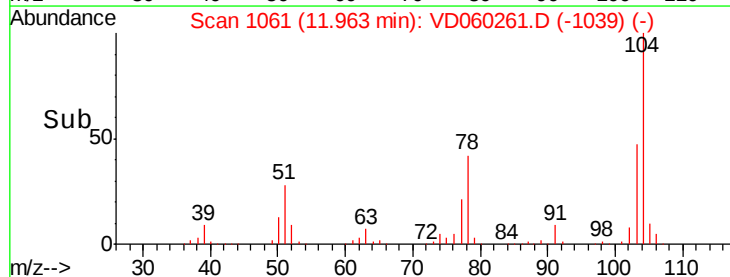
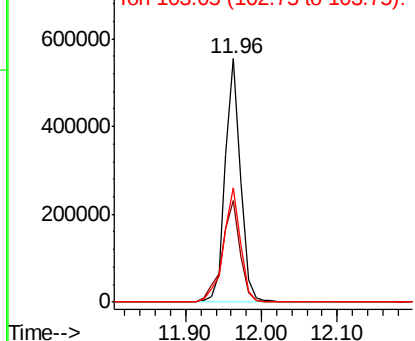


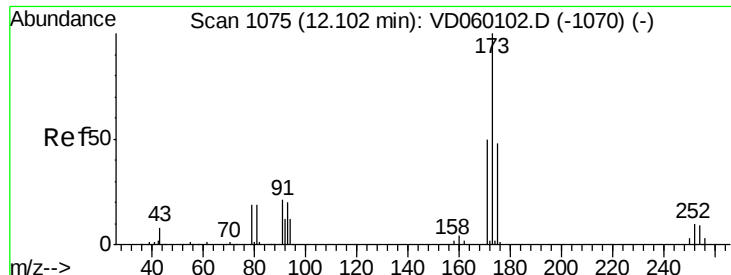
#70
Styrene
Concen: 22.394 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion:104 Resp: 778804
Ion Ratio Lower Upper
104 100
78 41.8 32.2 48.4
103 47.0 37.4 56.0



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





#71

Bromoform

Concen: 20.657 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.02 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

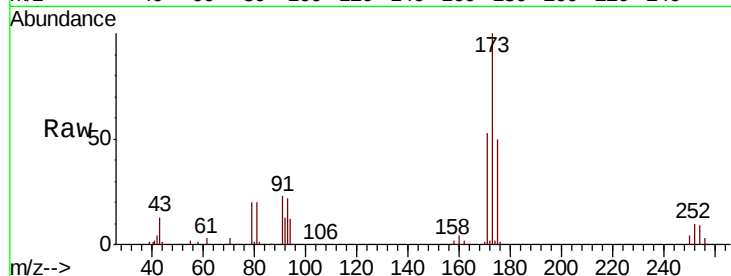
ClientSampleId :

VD1101SBS01

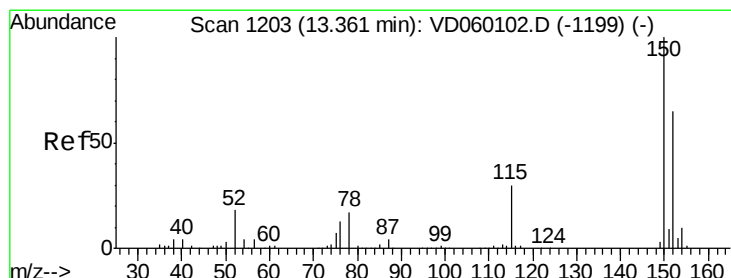
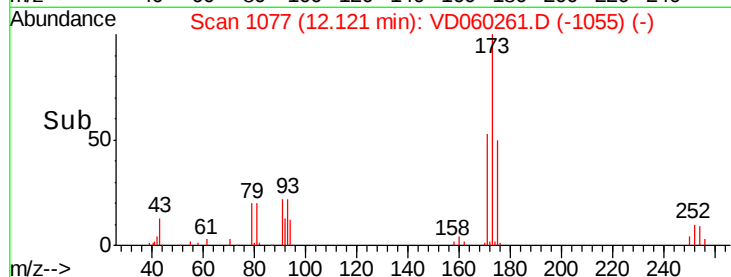
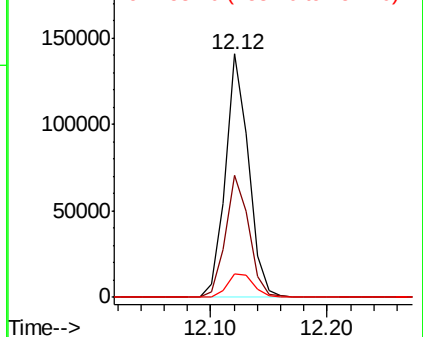
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.1	72.4
254	9.4	7.4	11.0

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

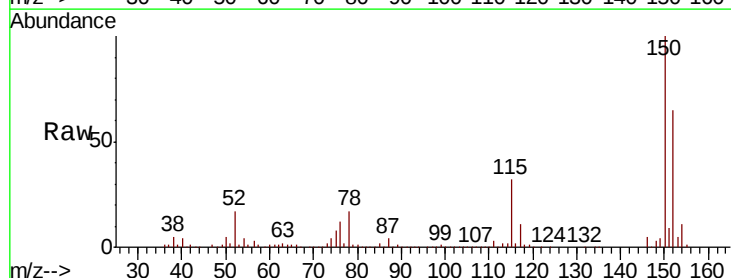
RT: 13.38 min Scan# 1205

Delta R.T. 0.02 min

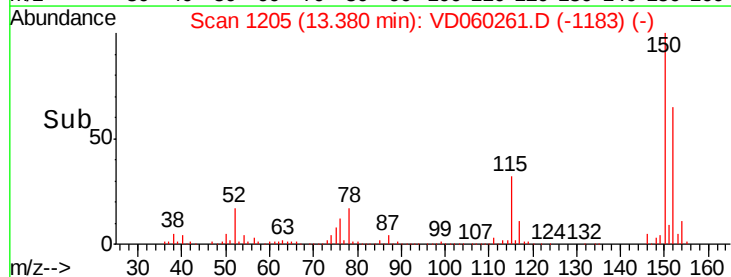
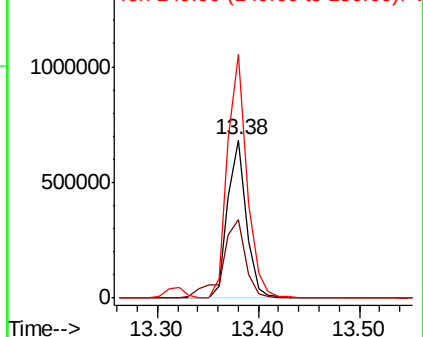
Lab File: VD060261.D

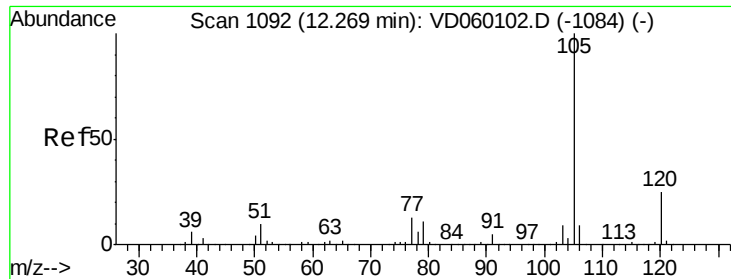
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.3	27.1	81.2
150	154.1	0.0	311.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





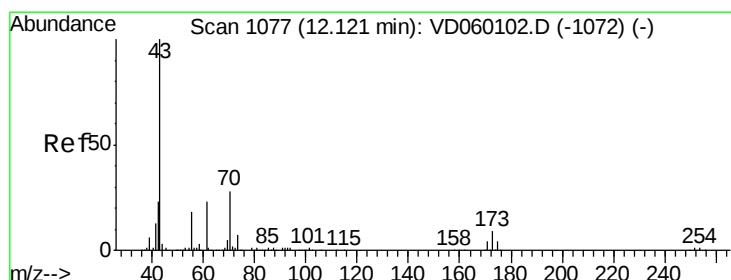
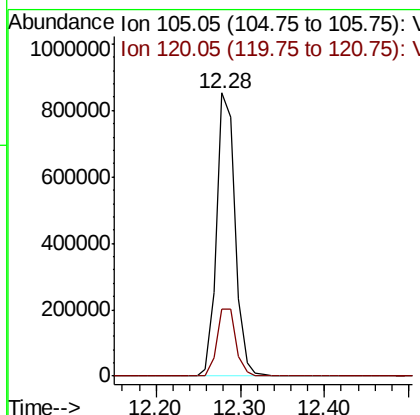
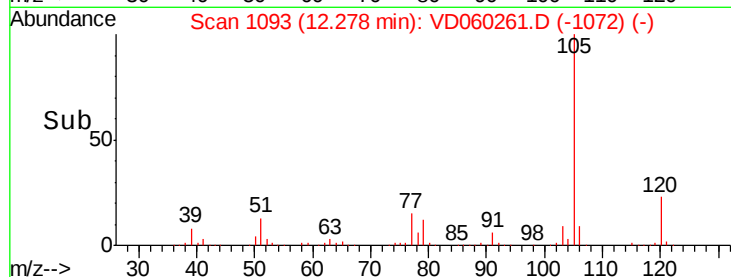
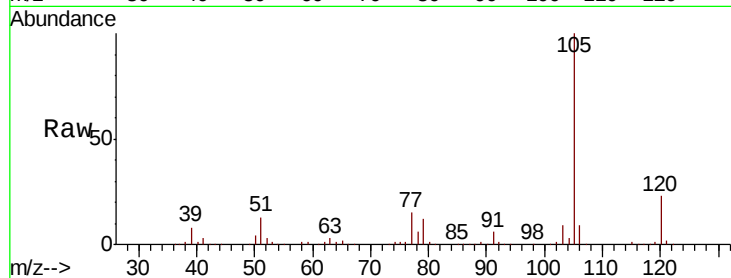
#73
Isopropylbenzene
Concen: 22.502 ug/l
RT: 12.28 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion:105 Resp: 1301647
Ion Ratio Lower Upper
105 100
120 23.5 12.6 37.6

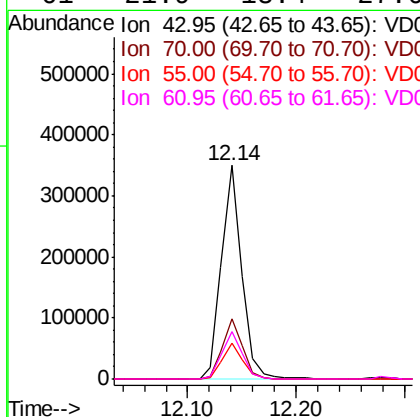
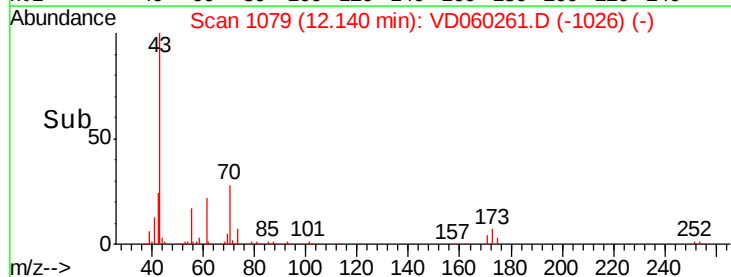
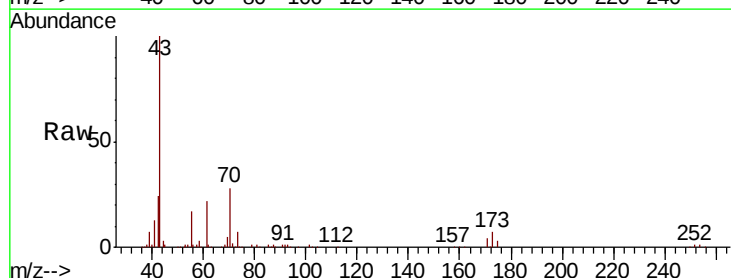
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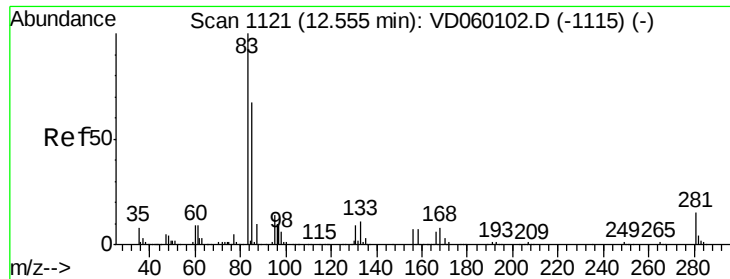
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#74
N-ethyl acetate
Concen: 21.464 ug/l
RT: 12.14 min Scan# 1079
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 43 Resp: 454791
Ion Ratio Lower Upper
43 100
70 28.4 22.1 33.1
55 16.9 14.1 21.1
61 21.9 18.4 27.6





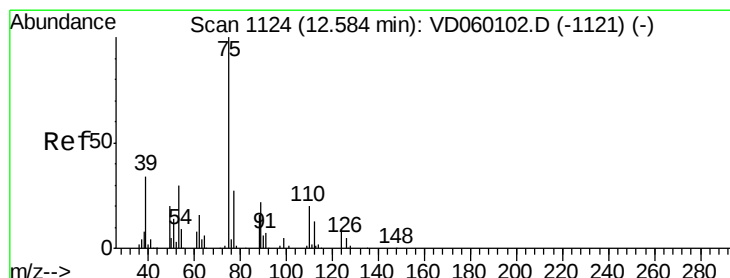
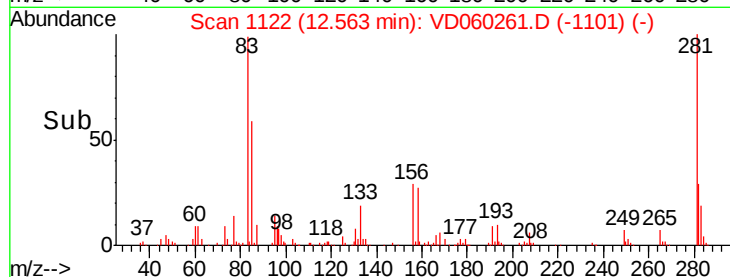
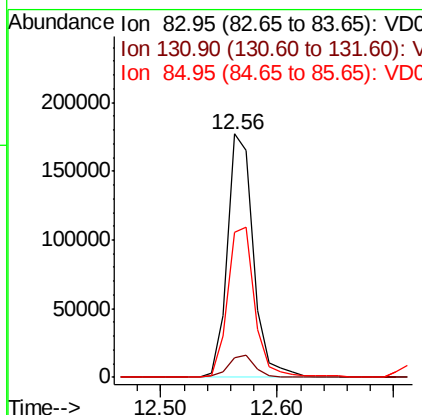
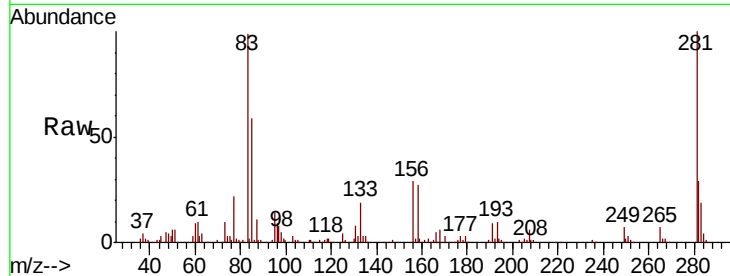
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.589 ug/l
 RT: 12.56 min Scan# 1122
 Delta R.T. 0.01 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.5	13.4
85	59.4	33.3	99.9

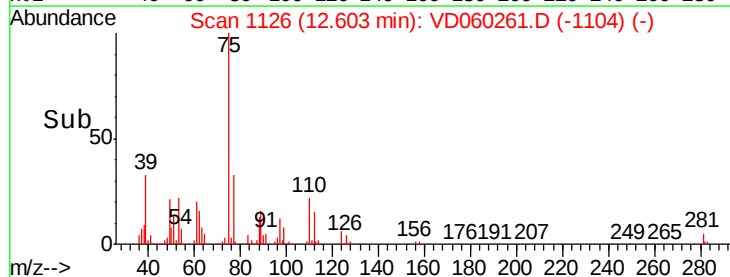
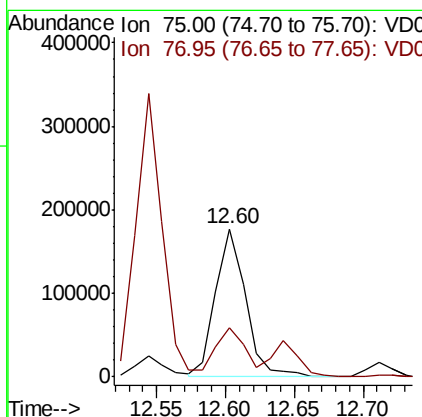
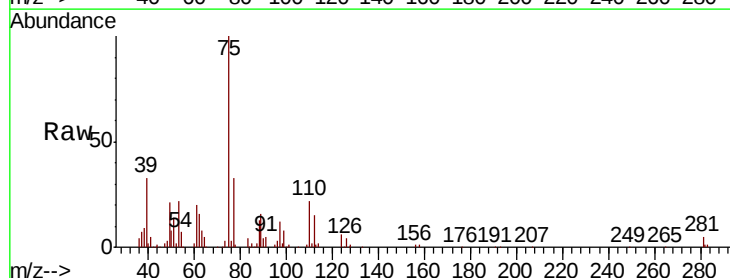
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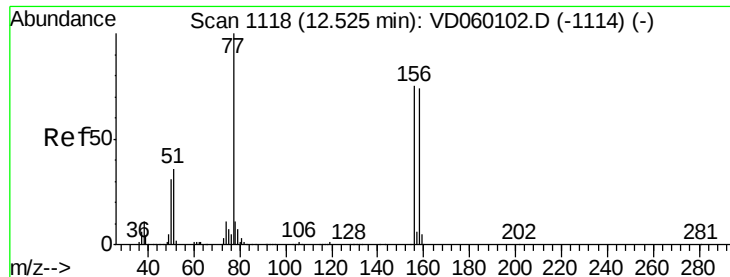
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#76
 1,2,3-Trichloropropane
 Concen: 21.237 ug/l
 RT: 12.60 min Scan# 1126
 Delta R.T. 0.02 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	16.3	48.9





#77

Bromobenzene

Concen: 21.888 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

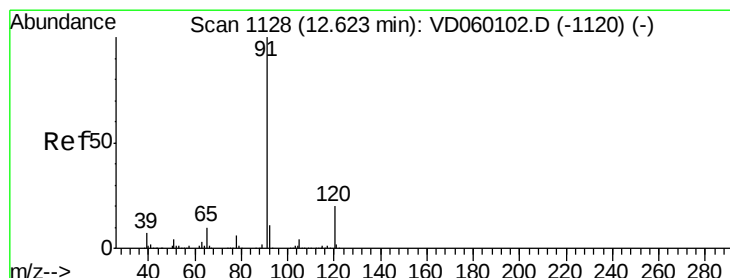
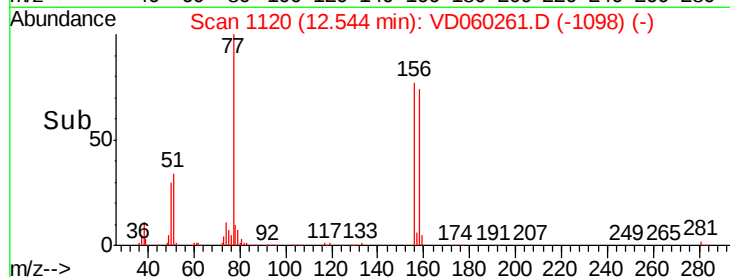
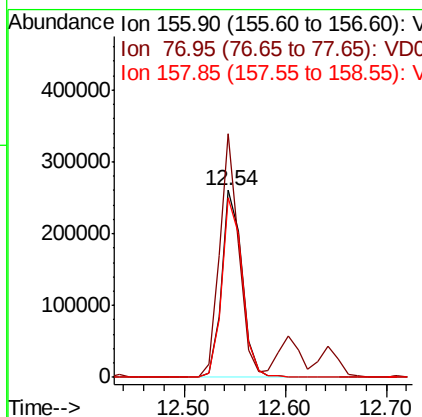
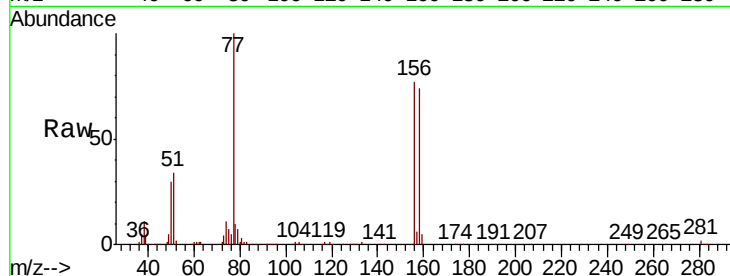
ClientSampleId :

VD1101SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.2	66.9	200.7
158	96.0	49.1	147.4

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#78

n-propylbenzene

Concen: 22.733 ug/l

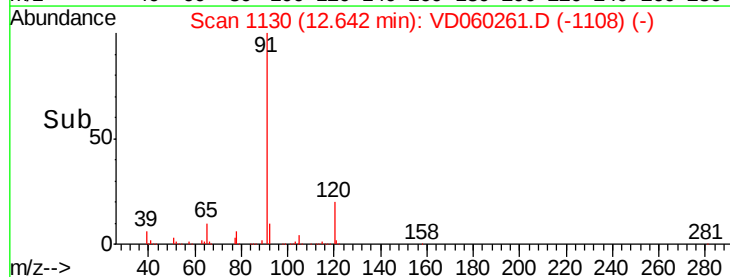
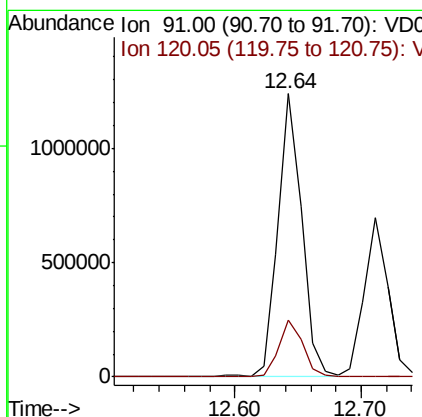
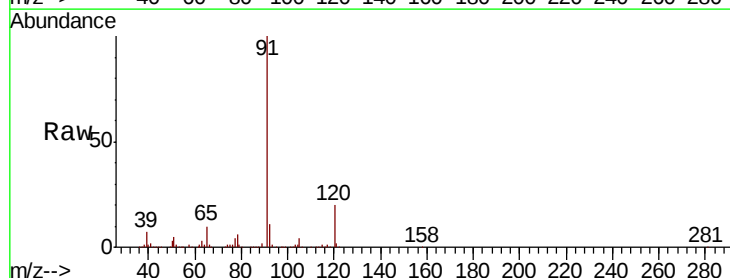
RT: 12.64 min Scan# 1130

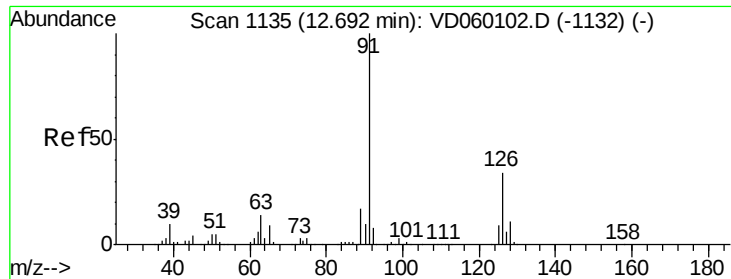
Delta R.T. 0.02 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.9	10.0	30.0





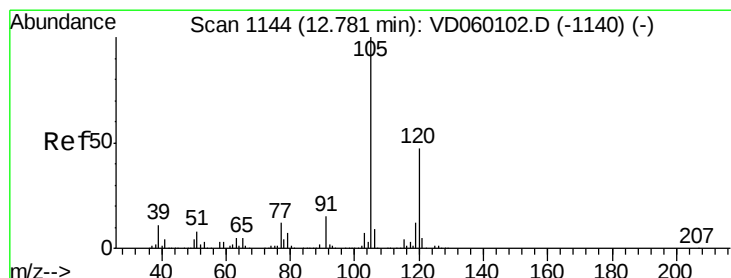
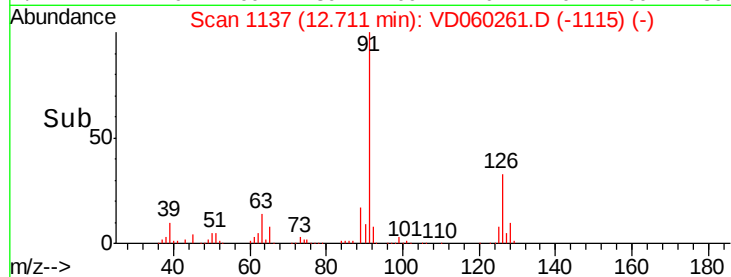
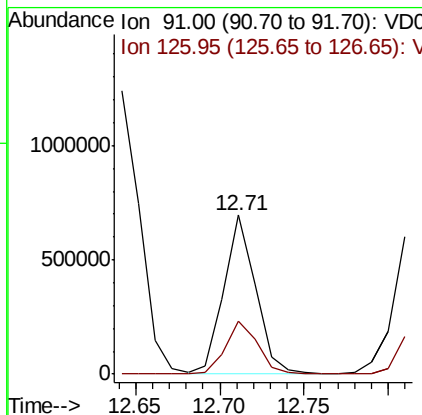
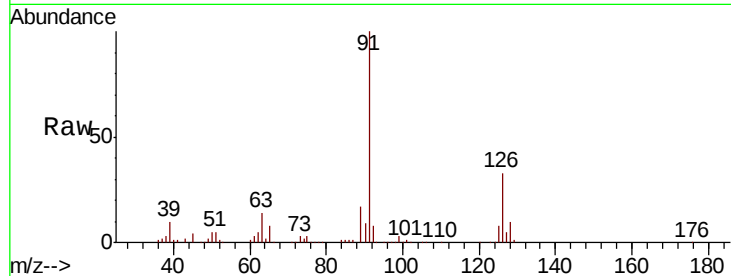
#79
 2-Chlorotoluene
 Concen: 22.548 ug/l
 RT: 12.71 min Scan# 1137
 Delta R.T. 0.02 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion: 91 Resp: 898892
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.8 50.3

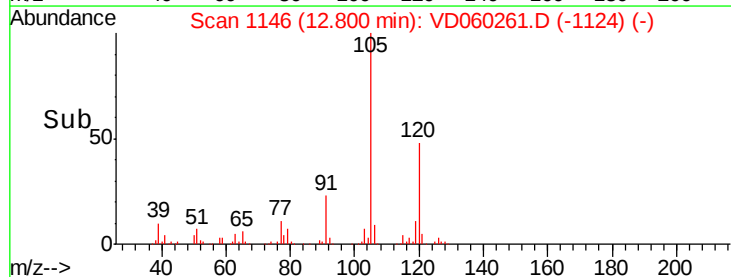
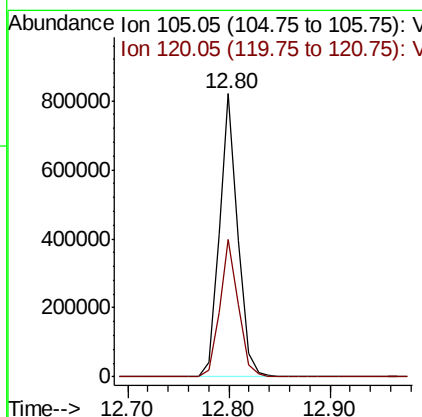
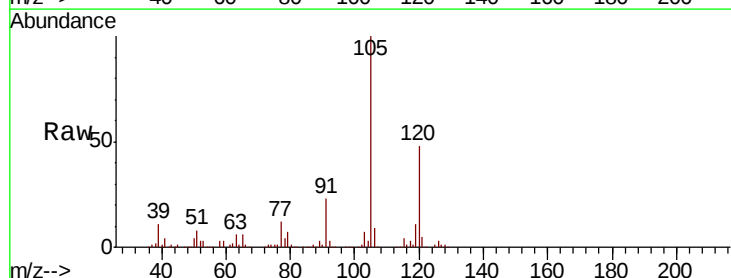
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.239 ug/l
 RT: 12.80 min Scan# 1146
 Delta R.T. 0.02 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Tgt Ion: 105 Resp: 1040430
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.7 71.1





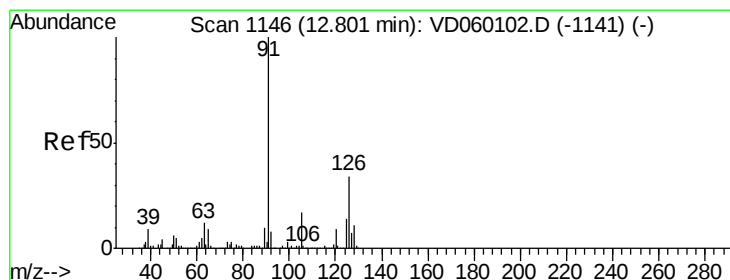
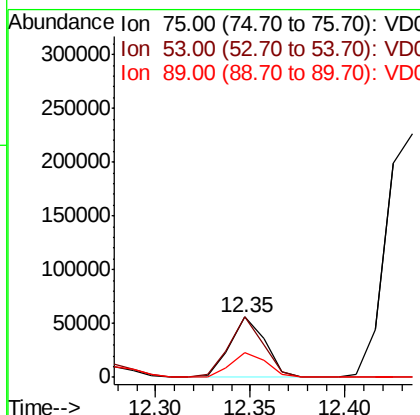
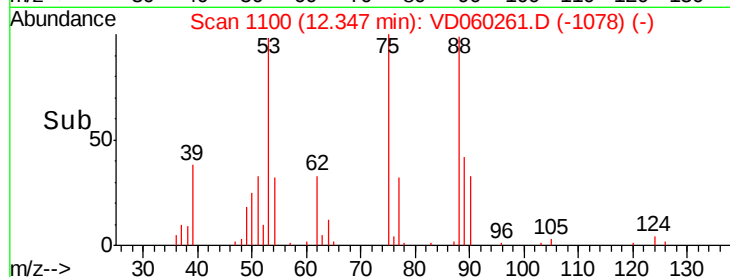
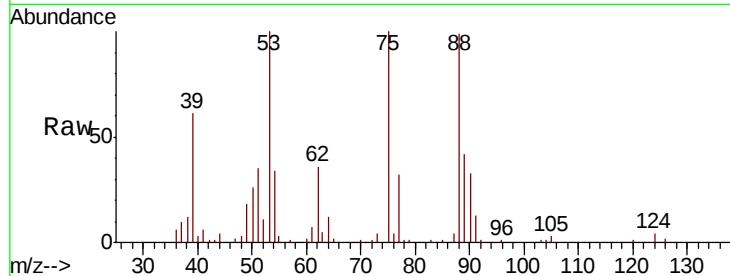
#81
trans-1,4-Dichloro-2-butene
Concen: 20.462 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion: 75 Resp: 72601
Ion Ratio Lower Upper
75 100
53 100.4 73.0 109.6
89 41.9 32.0 48.0

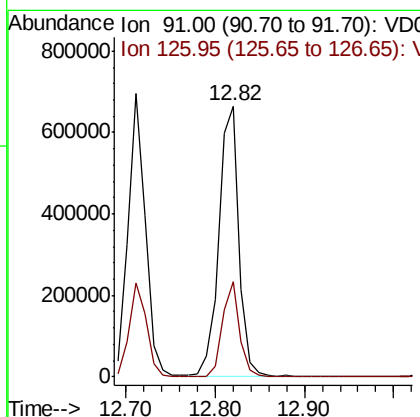
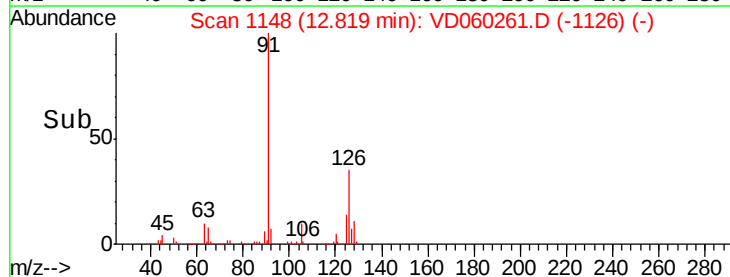
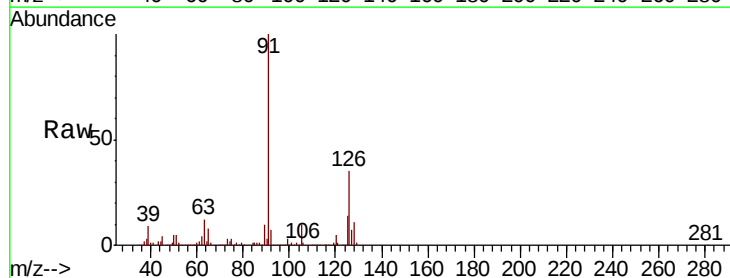
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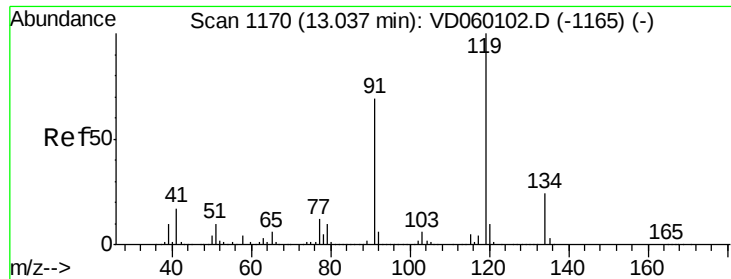
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#82
4-Chlorotoluene
Concen: 23.295 ug/l
RT: 12.82 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 91 Resp: 1050349
Ion Ratio Lower Upper
91 100
126 35.2 17.1 51.2





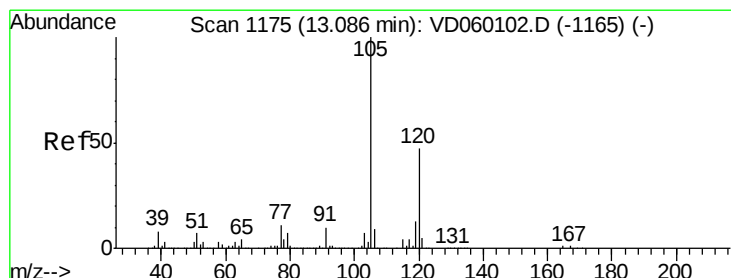
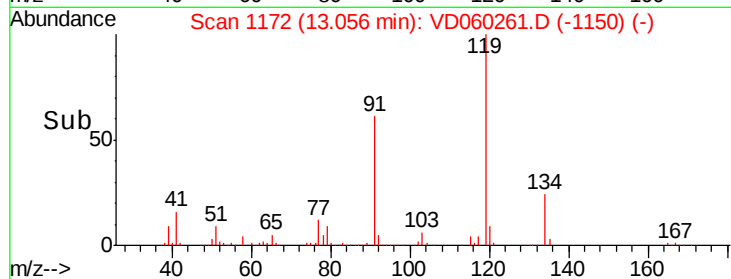
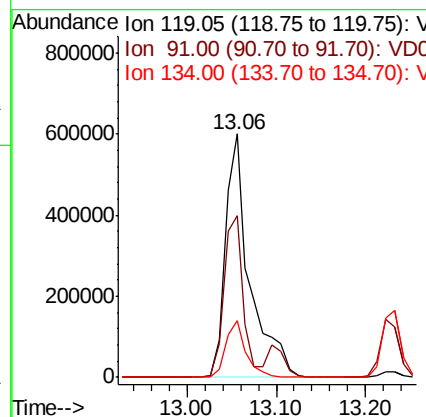
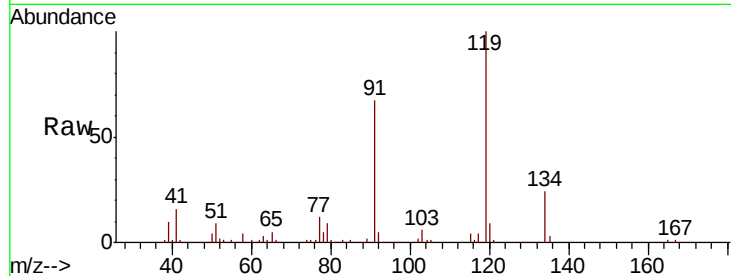
#83
tert-Butylbenzene
Concen: 22.304 ug/l
RT: 13.06 min Scan# 1172
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion:119 Resp: 1145886
Ion Ratio Lower Upper
119 100
91 66.7 34.8 104.4
134 23.5 11.8 35.4

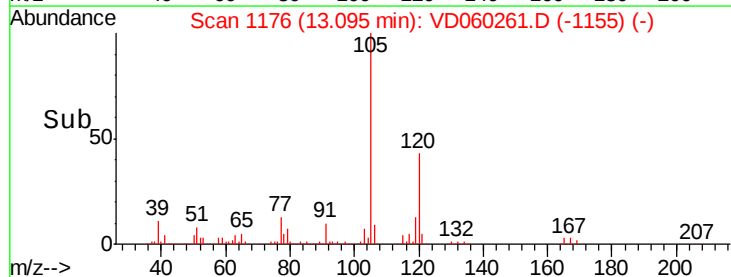
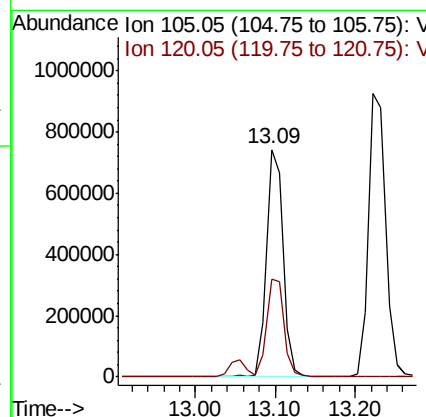
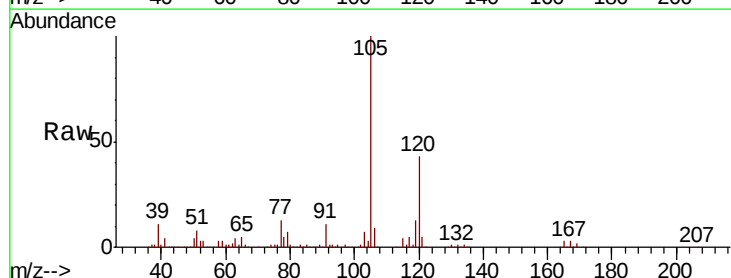
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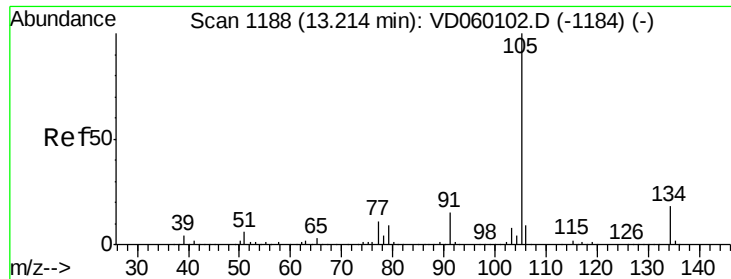
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#84
1,2,4-Trimethylbenzene
Concen: 22.546 ug/l
RT: 13.09 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion:105 Resp: 1063833
Ion Ratio Lower Upper
105 100
120 43.1 23.4 70.0





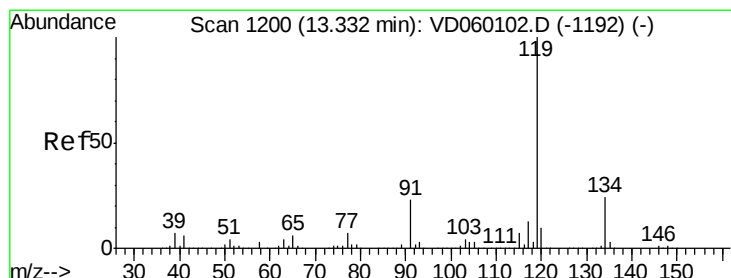
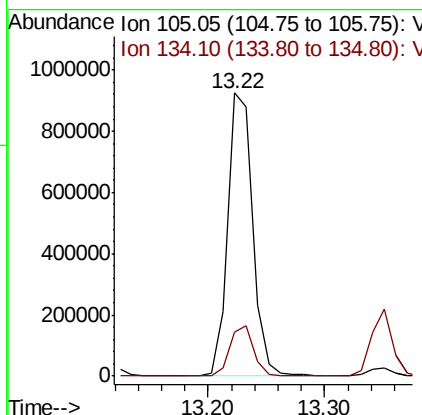
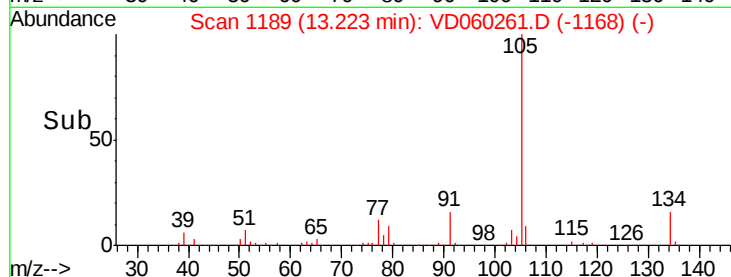
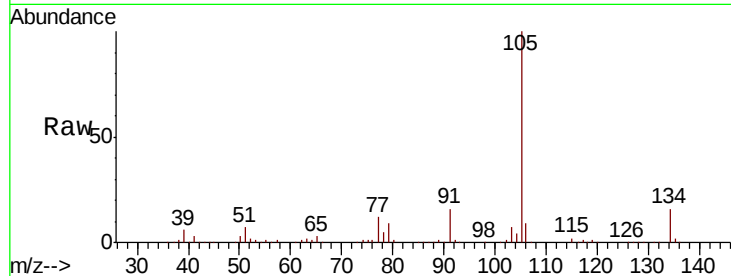
#85
 sec-Butylbenzene
 Concen: 22.449 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion:105 Resp: 1363664
 Ion Ratio Lower Upper
 105 100
 134 15.8 8.8 26.2

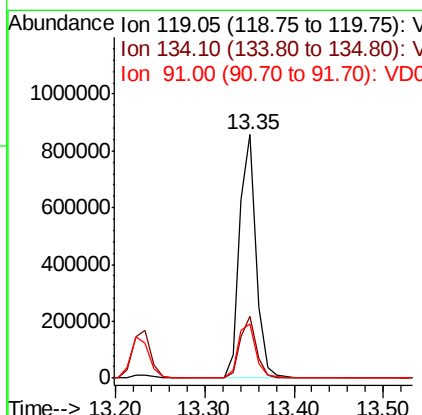
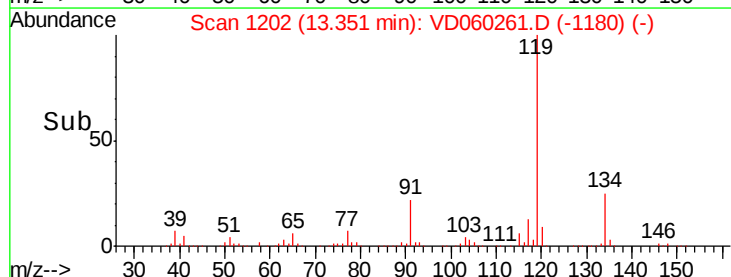
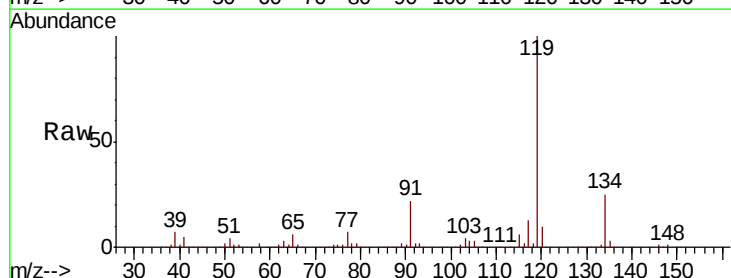
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#86
 p-Isopropyltoluene
 Concen: 22.233 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. 0.02 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Tgt Ion:119 Resp: 1107721
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.3 36.8
 91 22.1 11.8 35.4





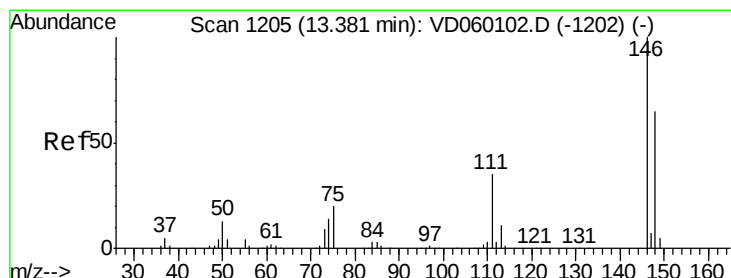
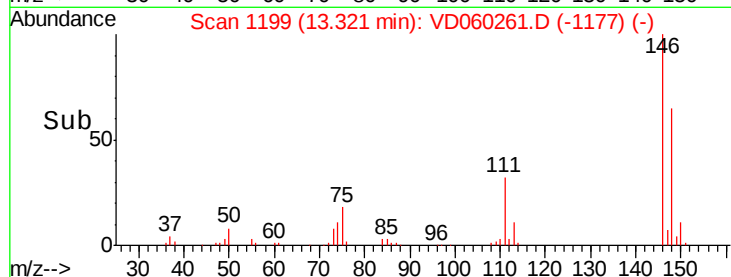
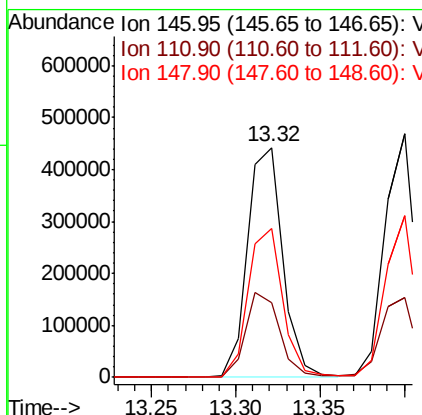
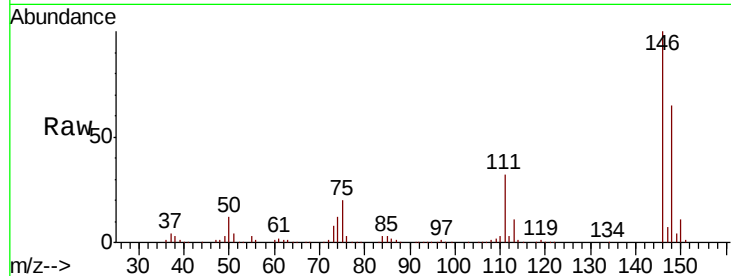
#87
 1,3-Dichlorobenzene
 Concen: 21.969 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. 0.02 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	32.4	18.1	54.3
148	64.7	32.3	96.9

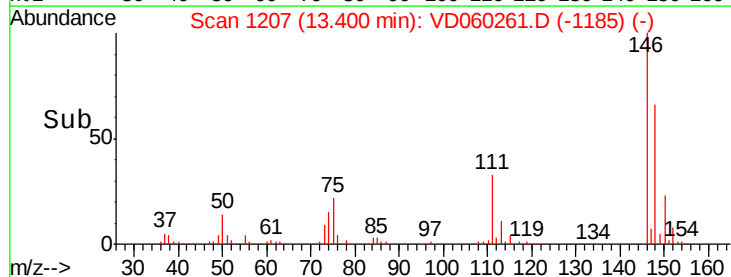
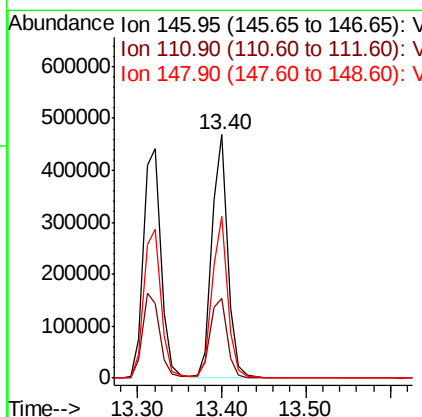
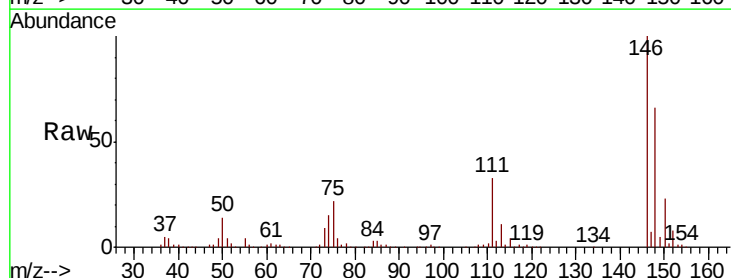
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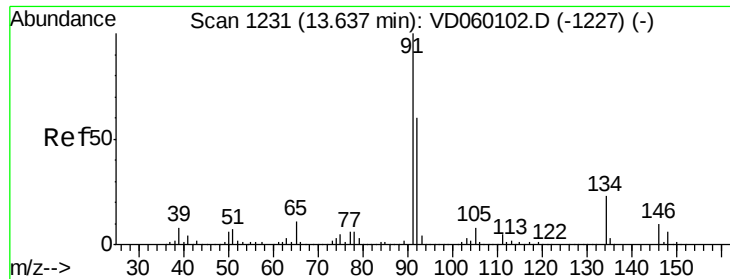
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#88
 1,4-Dichlorobenzene
 Concen: 20.779 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. 0.02 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.5	17.8	53.3
148	66.2	32.4	97.2





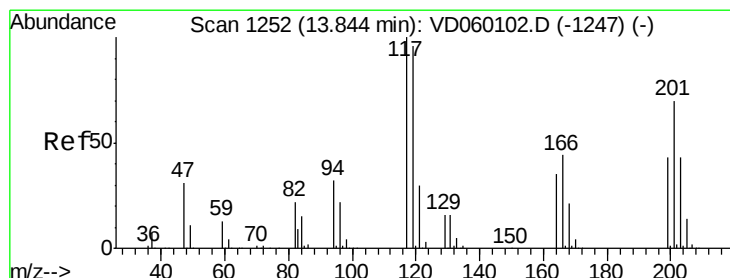
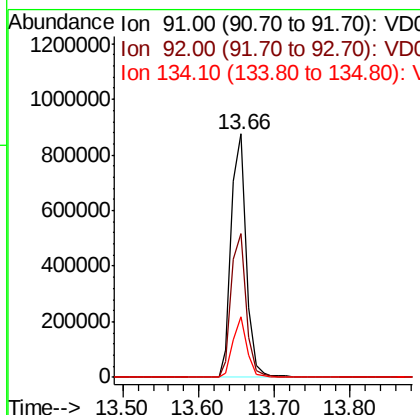
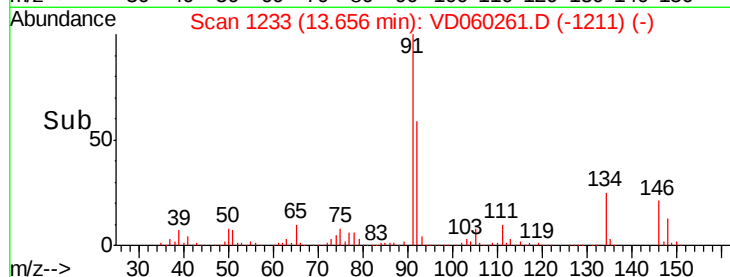
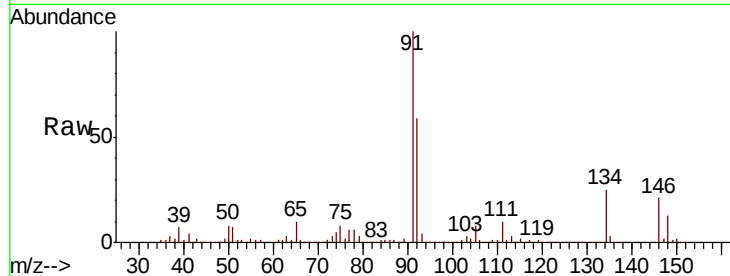
#89
n-Butylbenzene
Concen: 24.474 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion: 91 Resp: 1189805
Ion Ratio Lower Upper
91 100
92 59.2 30.1 90.3
134 24.8 11.6 34.7

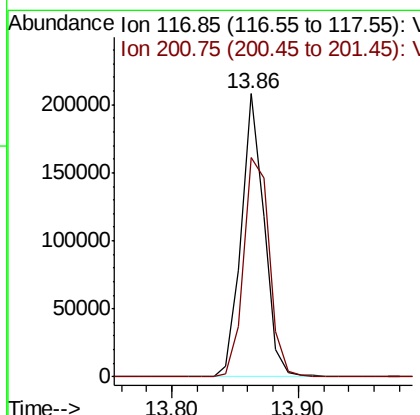
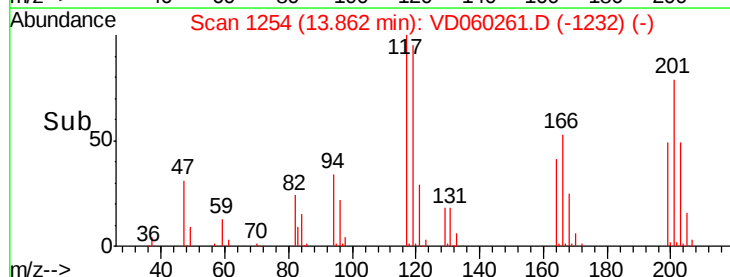
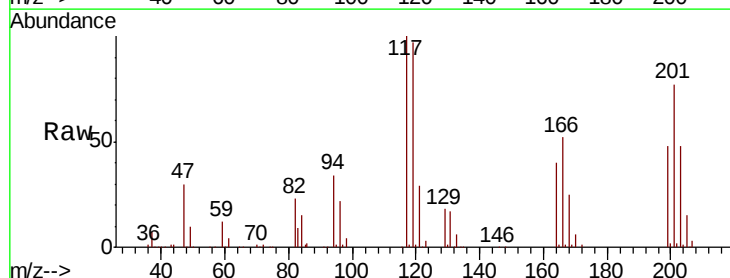
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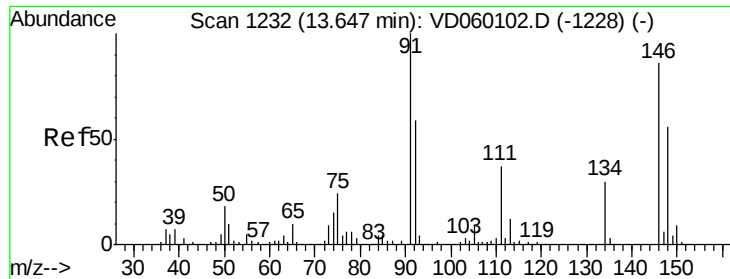
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#90
Hexachloroethane
Concen: 22.446 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion: 117 Resp: 258823
Ion Ratio Lower Upper
117 100
201 77.5 34.8 104.5





#91

1,2-Dichlorobenzene

Concen: 23.011 ug/l

RT: 13.67 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Instrument :

MSVOA_D

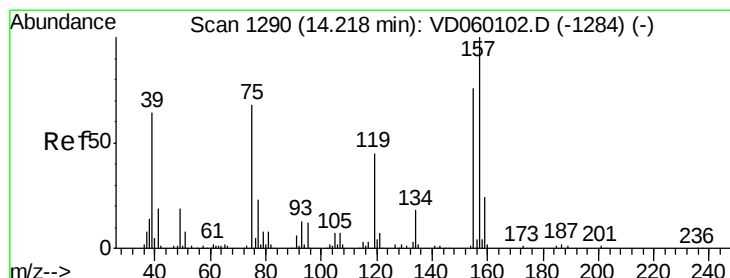
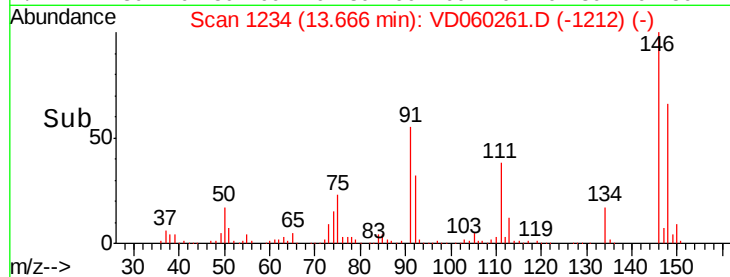
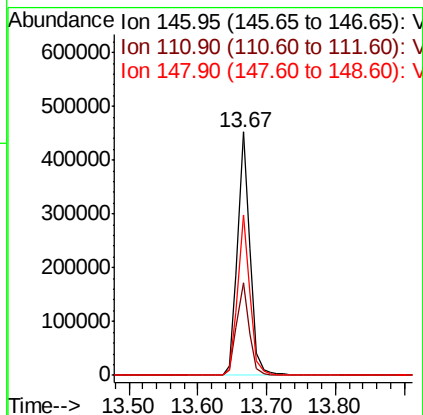
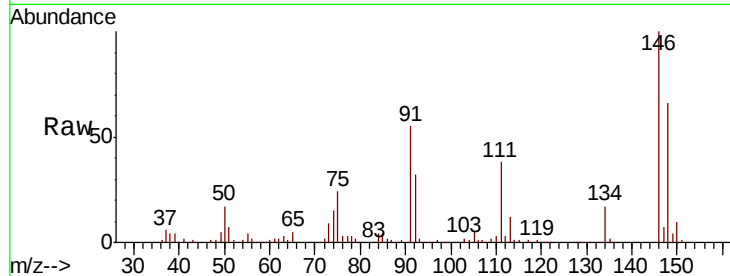
ClientSampleId :

VD1101SBS01

Tot Ion:	146	Resp:	566649
Ion Ratio	Lower	Upper	
146	100		
111	37.8	21.4	64.3
148	65.9	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.330 ug/l

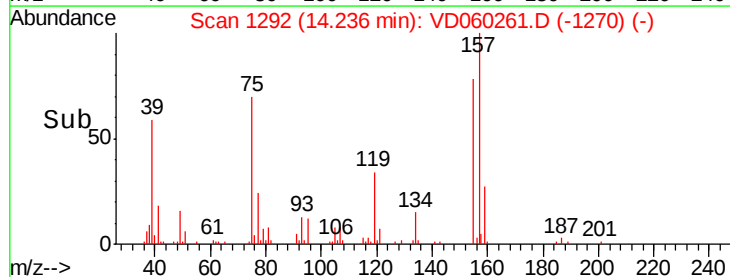
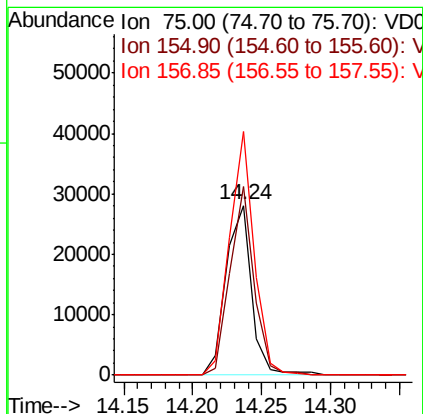
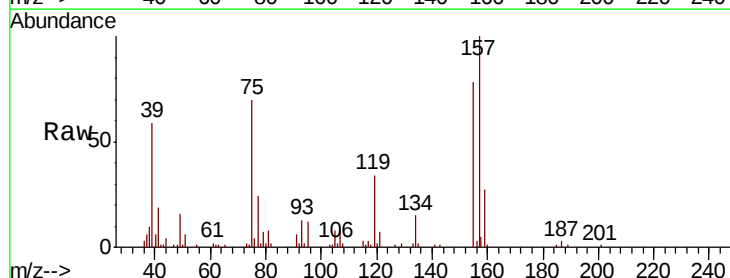
RT: 14.24 min Scan# 1292

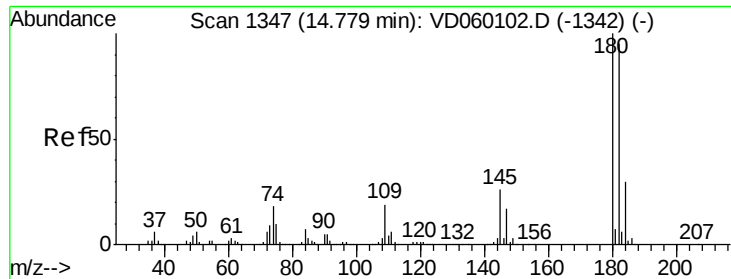
Delta R.T. 0.02 min

Lab File: VD060261.D

Acq: 1 Nov 2018 14:41

Tgt Ion:	75	Resp:	35967
Ion Ratio	Lower	Upper	
75	100		
155	111.3	55.9	167.7
157	143.6	73.3	219.8





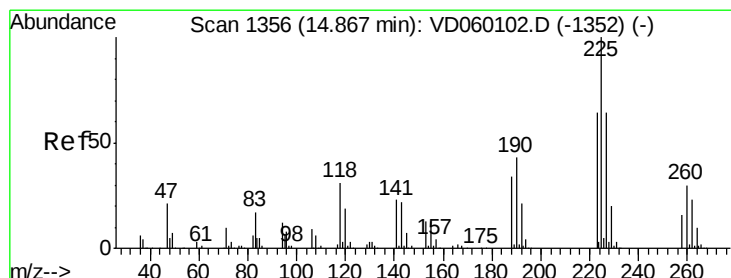
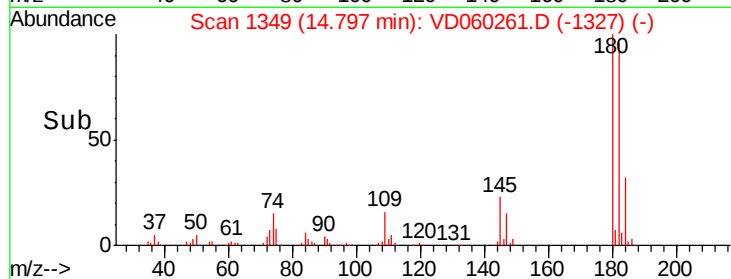
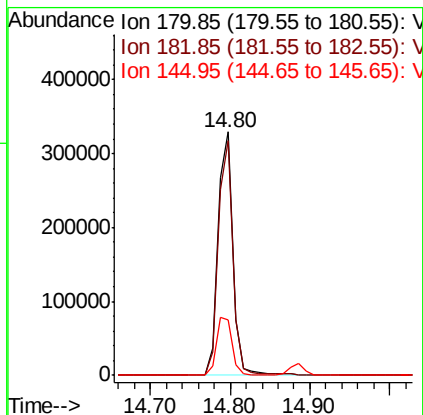
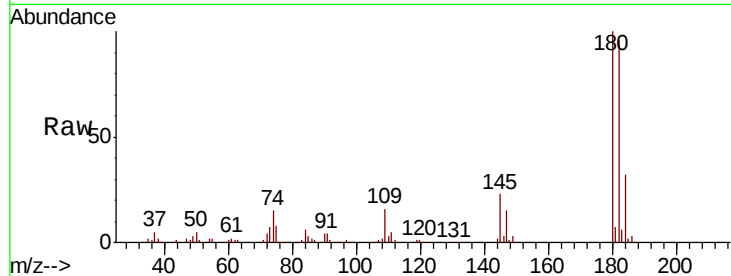
#93
 1,2,4-Trichlorobenzene
 Concen: 20.995 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. 0.02 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	47.3	141.8	
145	23.0	13.0	38.9	

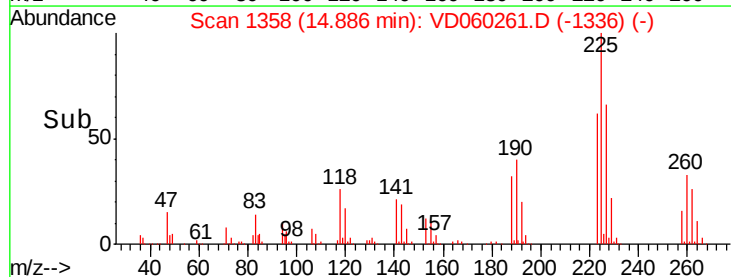
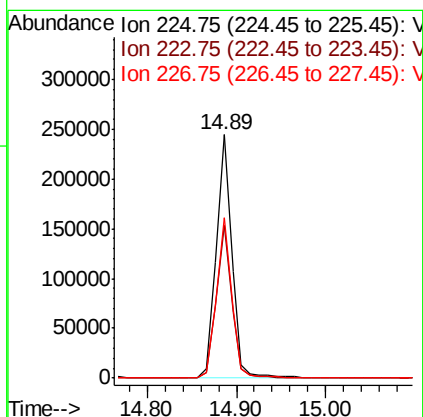
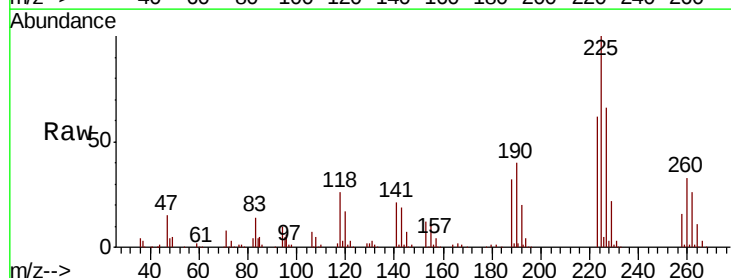
Manual Integrations
 APPROVED

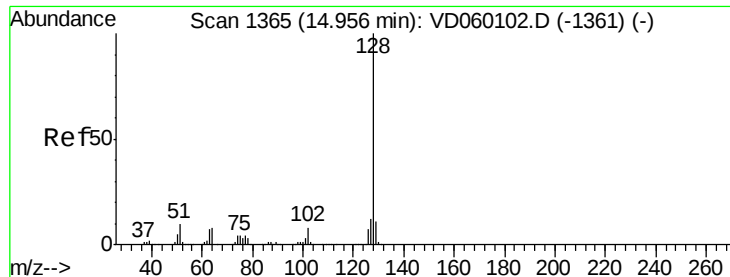
apatel
 11/5/2018 1:21:12 PM



#94
 Hexachlorobutadiene
 Concen: 21.599 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.02 min
 Lab File: VD060261.D
 Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.8	95.4	
227	65.8	32.0	96.0	





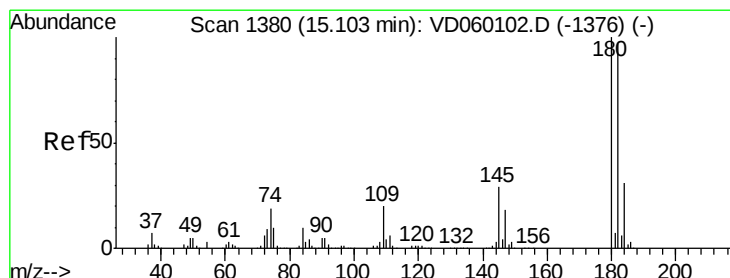
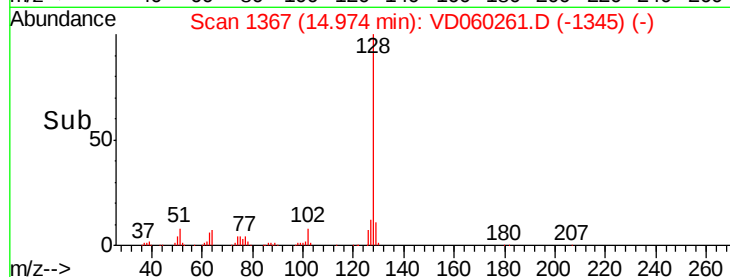
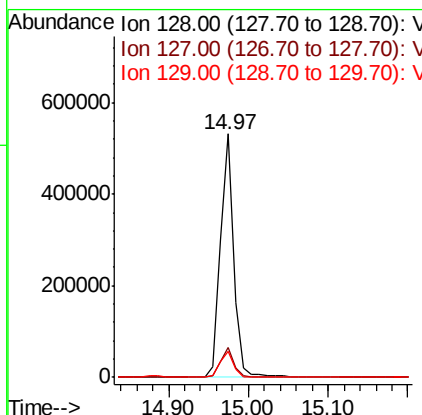
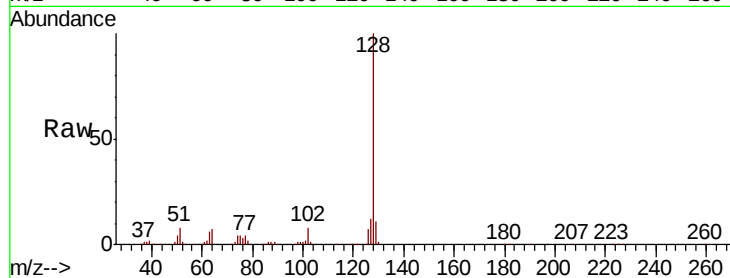
#95
Naphthalene
Concen: 20.377 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.9	14.9
129	10.6	8.8	13.2

Manual Integrations
APPROVED

apatel
11/5/2018 1:21:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.547 ug/l
RT: 15.12 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VD060261.D
Acq: 1 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	48.4	145.0
145	26.3	14.5	43.6

