

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062736.D
 Acq On : 17 Jun 2019 19:33
 Operator : VA/AP
 Sample : K3420-01
 Misc : 5.76g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B12

Quant Time: Jun 18 06:25:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	689623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	974910	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	817848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	421433	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	284361	28.58	ug/l	0.00
Spiked Amount			Recovery	=	57.16%	
35) Dibromofluoromethane	6.92	113	308808	30.03	ug/l	0.00
Spiked Amount			Recovery	=	60.06%	
50) Toluene-d8	10.40	98	543322	25.12	ug/l	0.00
Spiked Amount			Recovery	=	50.24%	
62) 4-Bromofluorobenzene	13.55	95	294540	29.19	ug/l	0.00
Spiked Amount			Recovery	=	58.38%	

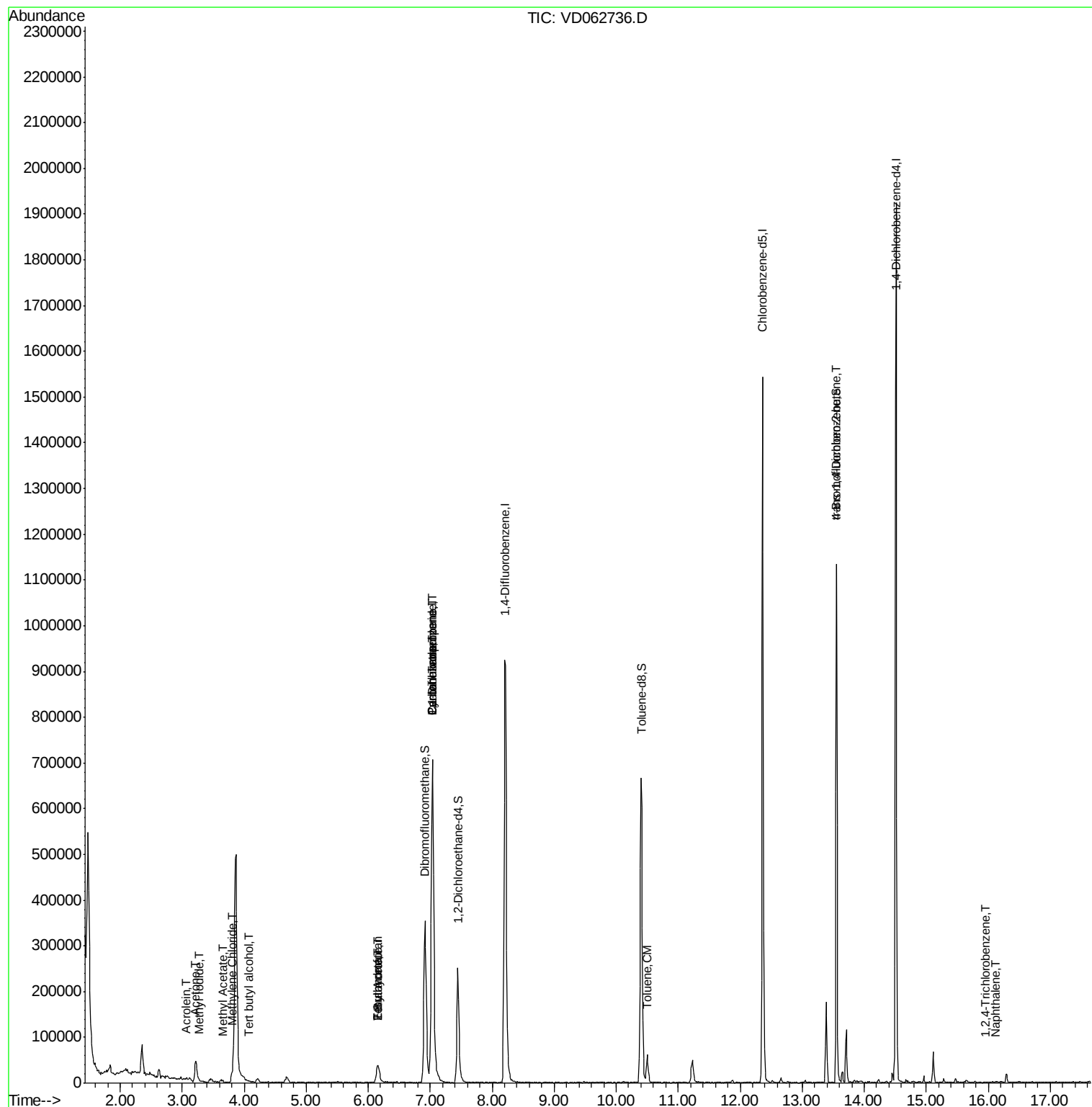
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	214	Below Cal	#	42
10) Methyl Iodide	3.28	142	229	4.026	ug/l #	24
11) Tert butyl alcohol	4.07	59	1514	3.701	ug/l #	61
13) Acrolein	3.08	56	221	1.680	ug/l #	64
16) Acetone	3.22	43	99086	54.376	ug/l	98
18) Methyl Acetate	3.65	43	10216	3.411	ug/l #	64
20) Methylene Chloride	3.80	84	11309	1.212	ug/l #	80
25) 2-Butanone	6.16	43	3048	1.715	ug/l #	61
29) Tetrahydrofuran	6.15	42	1023	1.278	ug/l #	33
31) Cyclohexane	7.04	56	16072	2.047	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	53758	4.818	ug/l #	53
37) Ethyl Acetate	6.16	43	3048	1.826	ug/l #	74
38) Carbon Tetrachloride	7.04	117	69597	3.946	ug/l #	14
52) Toluene	10.50	92	25505	1.741	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.55	75	139587	79.850	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	288	3.593	ug/l #	71
95) Naphthalene	16.12	128	1746	3.556	ug/l #	71

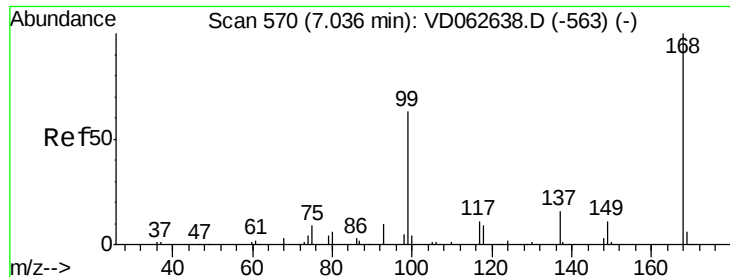
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061719\
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Quant Time: Jun 18 06:25:21 2019
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062736.D

Acq: 17 Jun 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

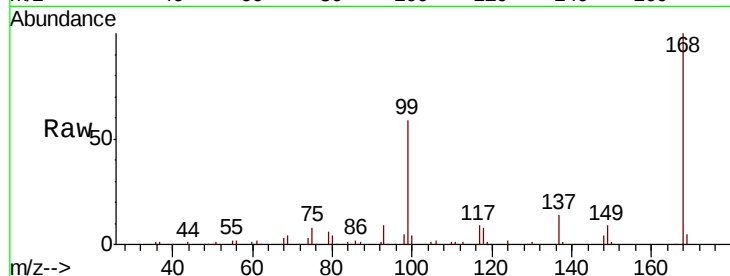
BAT-B12

Tot Ion:168 Resp: 689623

Ion Ratio Lower Upper

168 100

99 59.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

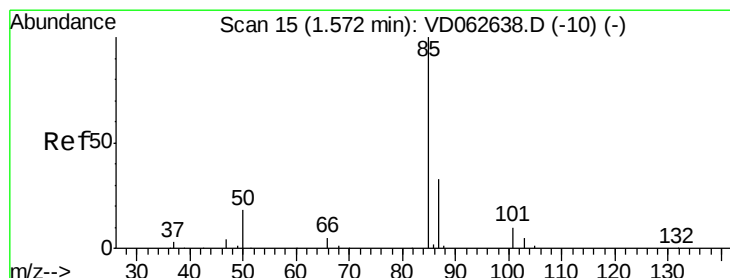
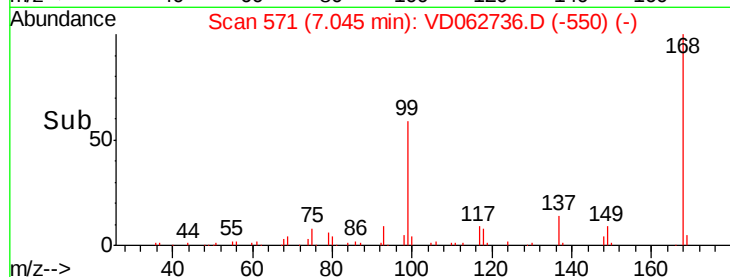
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062736.D

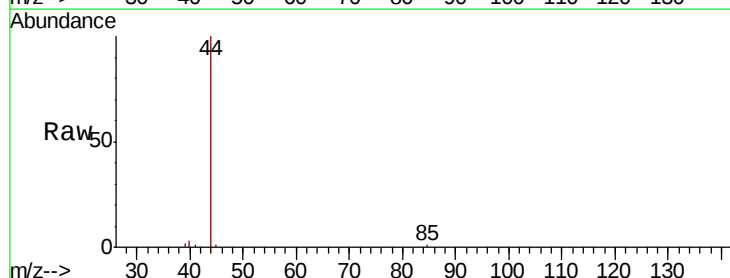
Acq: 17 Jun 2019 19:33

Tgt Ion: 85 Resp: 214

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

400

300

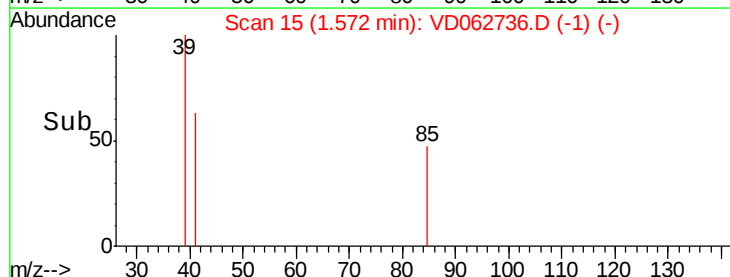
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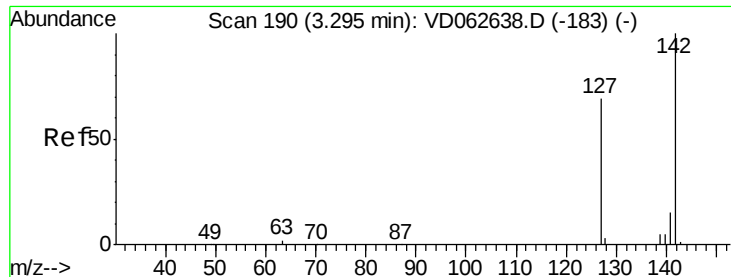
100

0

1.54 1.56 1.58 1.60

Time-->

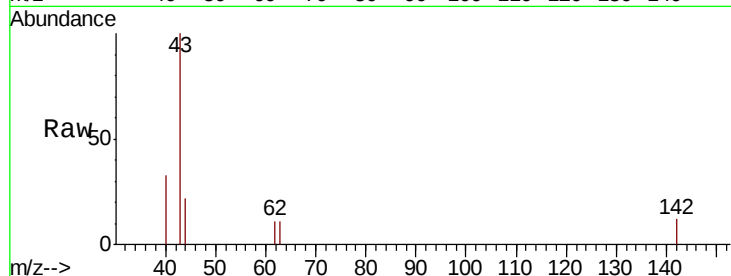




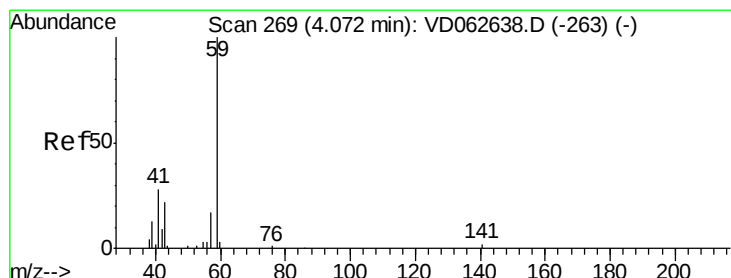
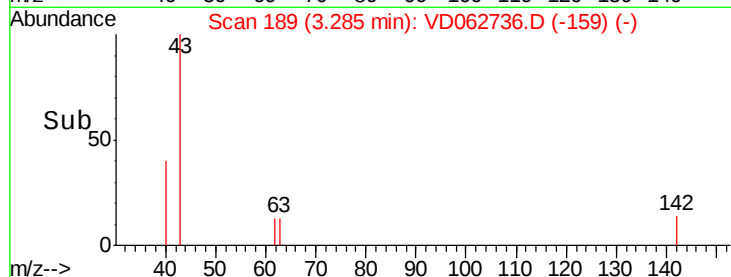
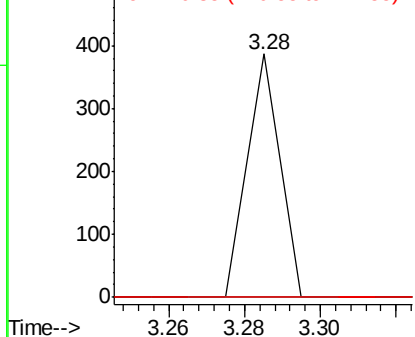
#10
Methyl Iodide
Concen: 4.026 ug/l
RT: 3.28 min Scan# 189
Delta R.T. -0.01 min
Lab File: VD062736.D
Acq: 17 Jun 2019 19:33

Instrument :
MSVOA_D
ClientSampleId :
BAT-B12

Tot Ion:142 Resp: 229
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#

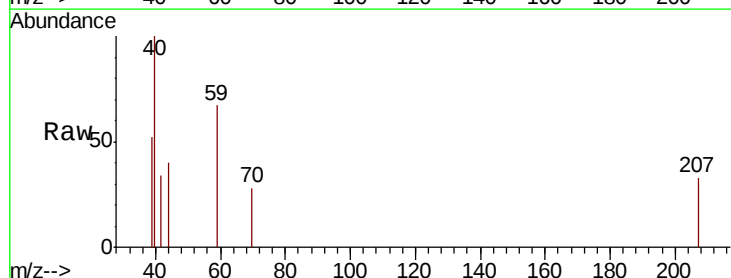


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

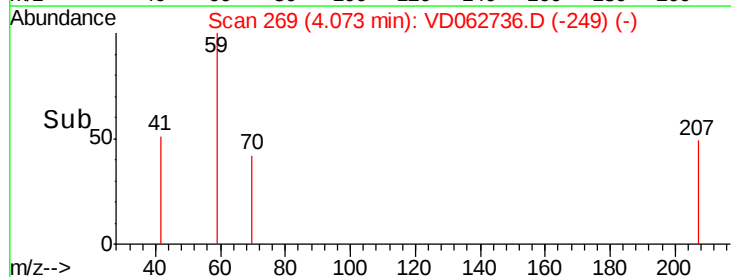
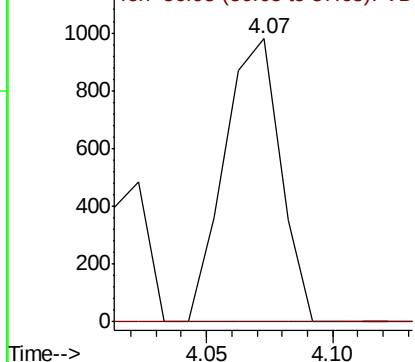


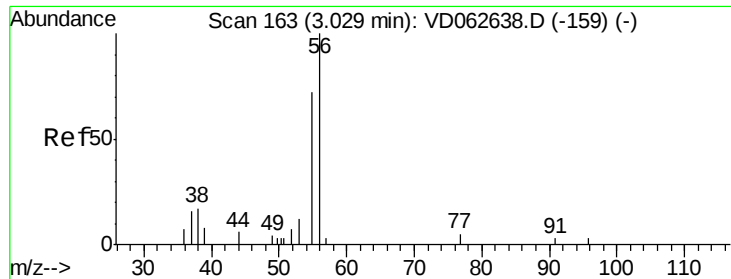
#11
Tert butyl alcohol
Concen: 3.701 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.00 min
Lab File: VD062736.D
Acq: 17 Jun 2019 19:33

Tgt Ion: 59 Resp: 1514
Ion Ratio Lower Upper
59 100
57 0.0 13.7 20.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

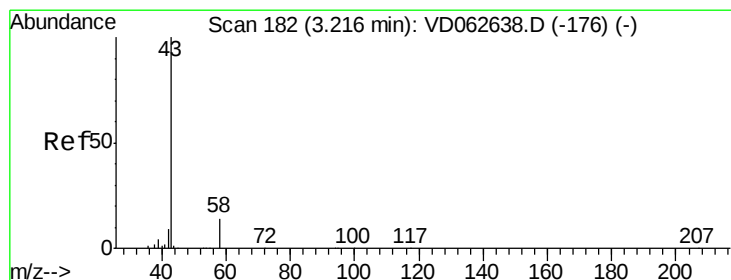
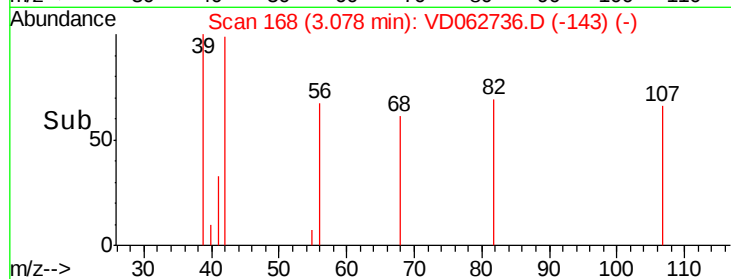
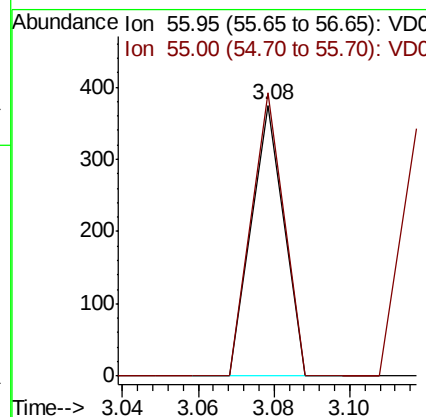
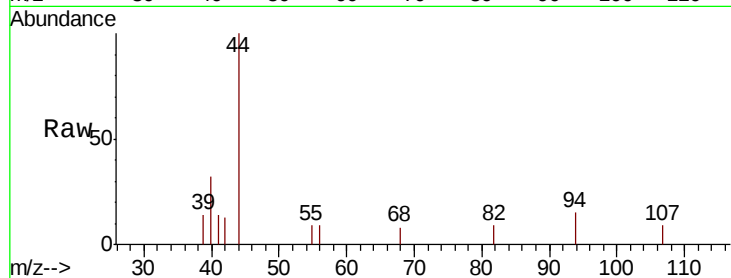




#13
Acrolein
Concen: 1.680 ug/l
RT: 3.08 min Scan# 168
Delta R.T. 0.05 min
Lab File: VD062736.D
Acq: 17 Jun 2019 19:33

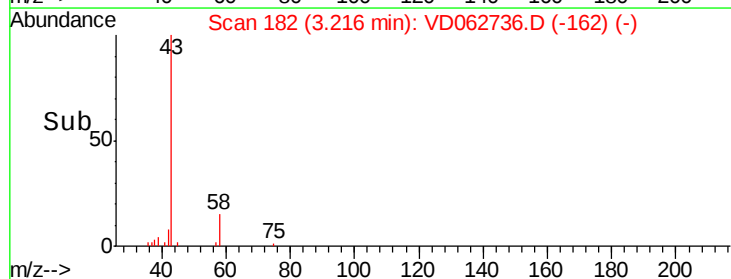
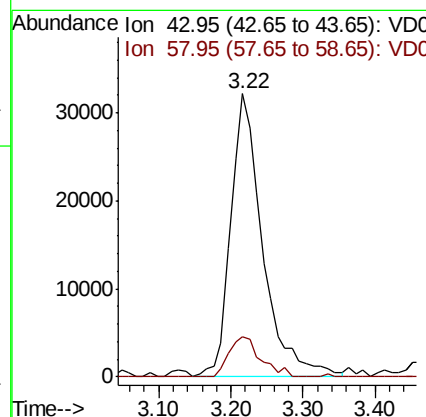
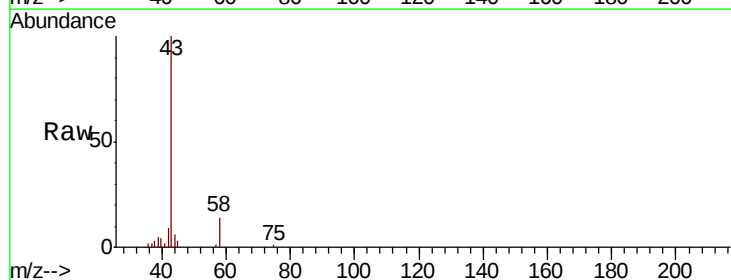
Instrument :
MSVOA_D
ClientSampleId :
BAT-B12

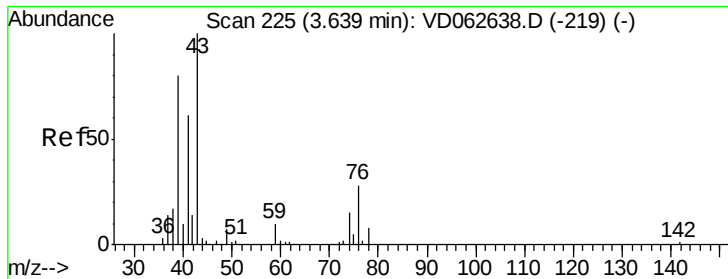
Tot Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 104.5 59.4 89.0#



#16
Acetone
Concen: 54.376 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.00 min
Lab File: VD062736.D
Acq: 17 Jun 2019 19:33

Tgt Ion: 43 Resp: 99086
Ion Ratio Lower Upper
43 100
58 14.3 10.8 16.2

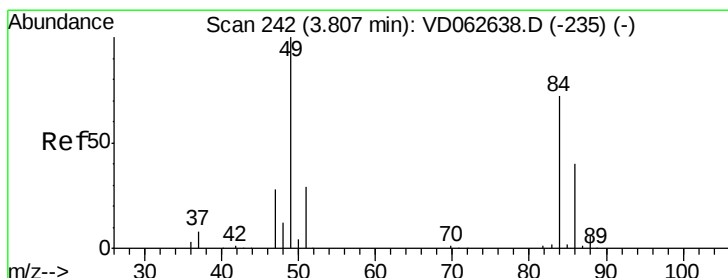
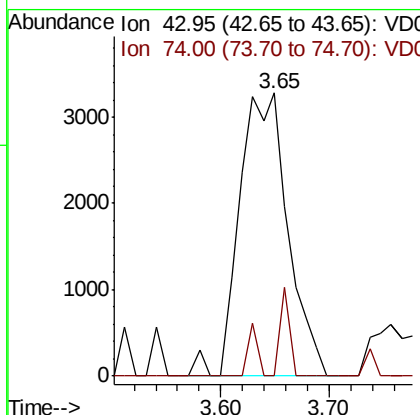
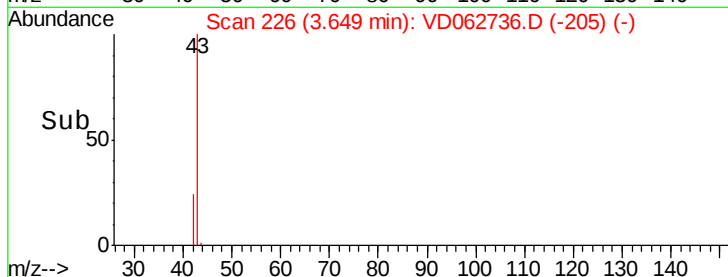
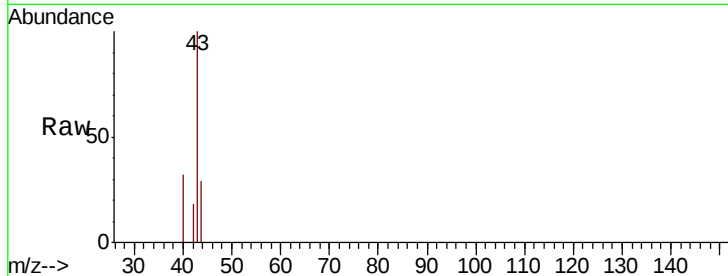




#18
Methyl Acetate
Concen: 3.411 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062736.D
Acq: 17 Jun 2019 19:33

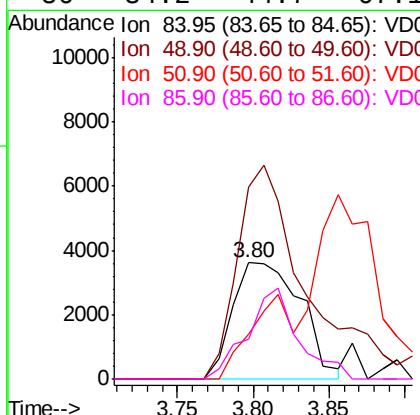
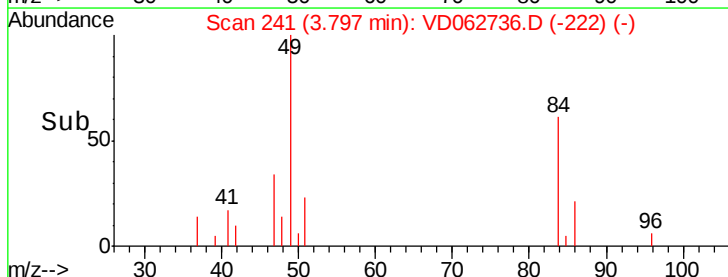
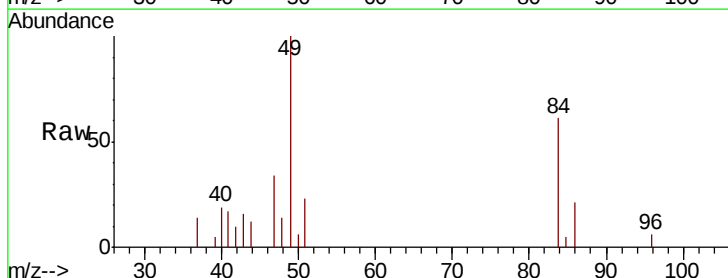
Instrument :
MSVOA_D
ClientSampled :
BAT-B12

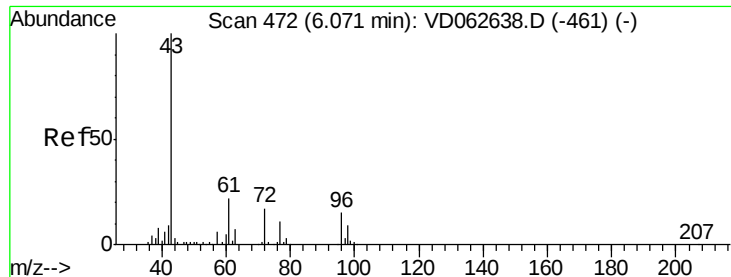
Tot Ion: 43 Resp: 10216
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#



#20
Methylene Chloride
Concen: 1.212 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD062736.D
Acq: 17 Jun 2019 19:33

Tgt Ion: 84 Resp: 11309
Ion Ratio Lower Upper
84 100
49 165.2 111.2 166.8
51 38.1 31.9 47.9
86 34.2 44.7 67.1#





#25

2-Butanone

Concen: 1.715 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.09 min

Lab File: VD062736.D

Acq: 17 Jun 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

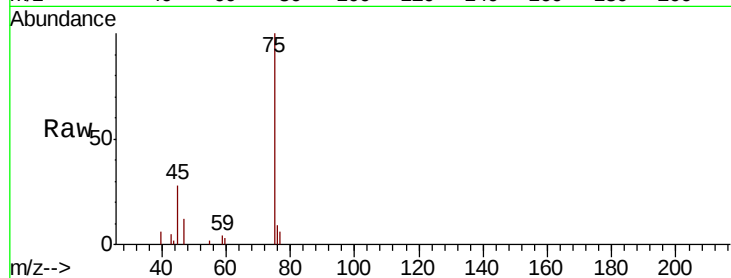
BAT-B12

Tot Ion: 43 Resp: 3048

Ion Ratio Lower Upper

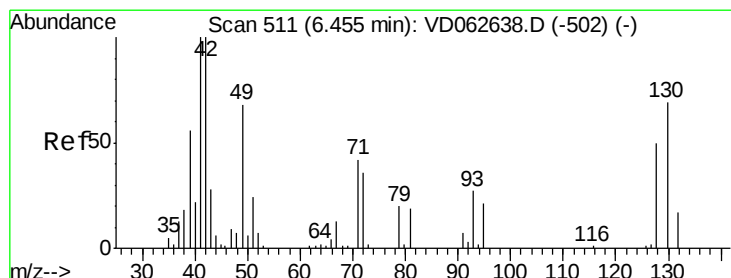
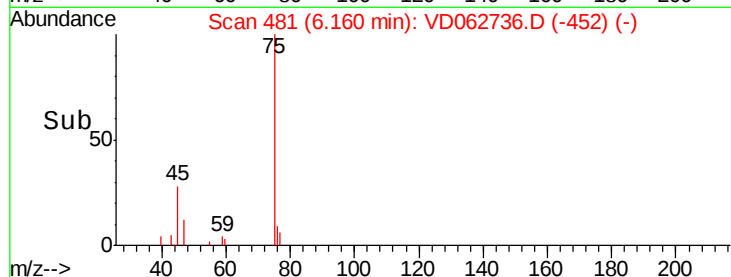
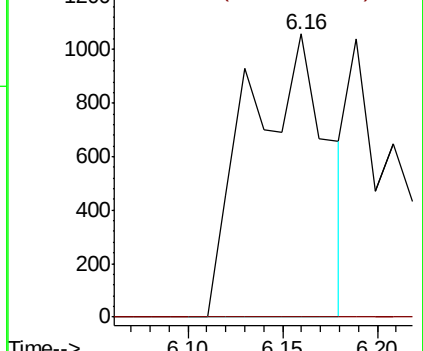
43 100

72 0.0 13.5 20.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.278 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.31 min

Lab File: VD062736.D

Acq: 17 Jun 2019 19:33

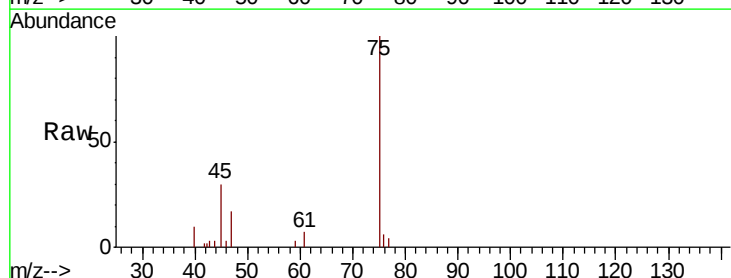
Tgt Ion: 42 Resp: 1023

Ion Ratio Lower Upper

42 100

72 0.0 33.8 50.6#

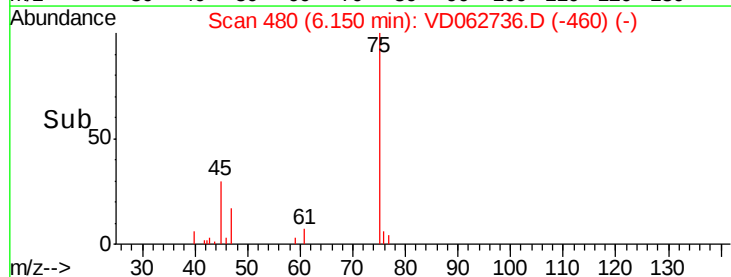
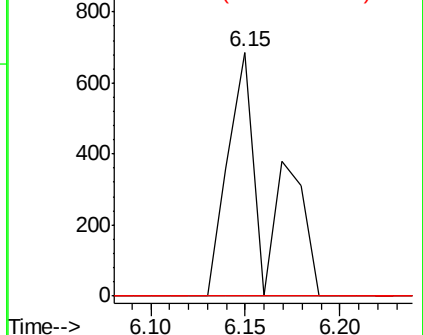
71 0.0 34.2 51.4#

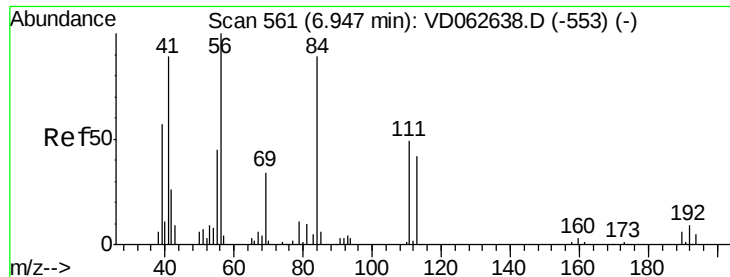


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

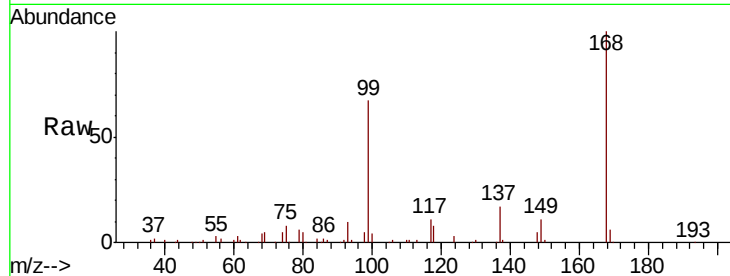




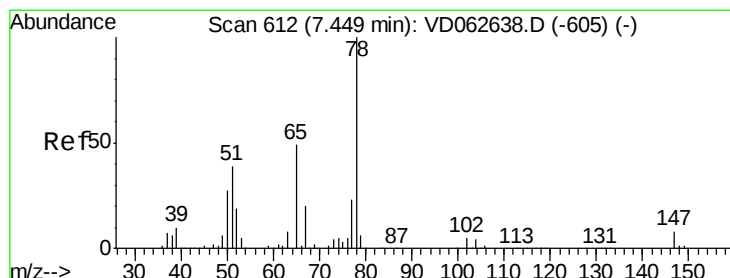
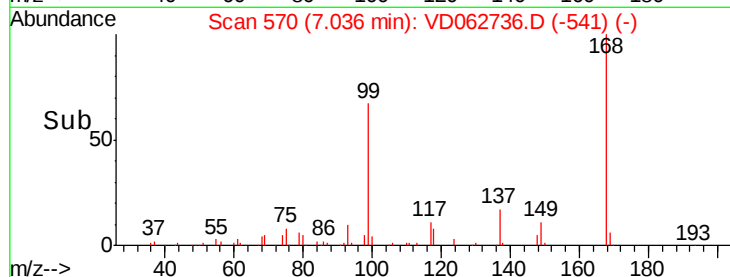
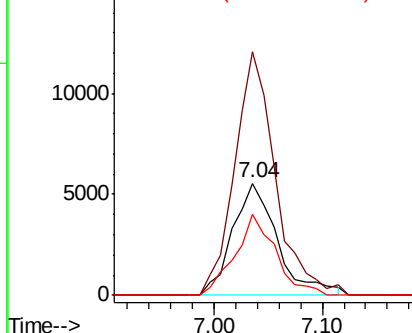
#31
Cyclohexane
Concen: 2.047 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD062736.D
Acq: 17 Jun 2019 19:33

Instrument :
MSVOA_D
ClientSampleID :
BAT-B12

Tot Ion: 56 Resp: 16072
Ion Ratio Lower Upper
56 100
69 216.7 26.8 40.2#
84 72.0 73.9 110.9#

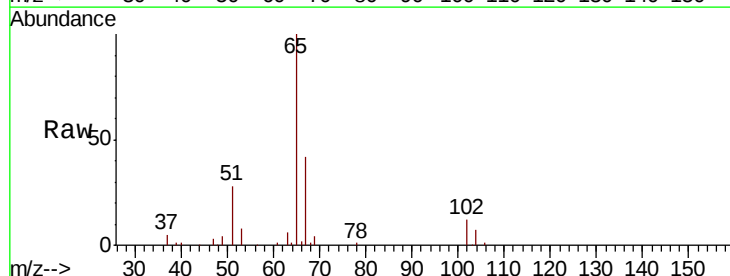


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

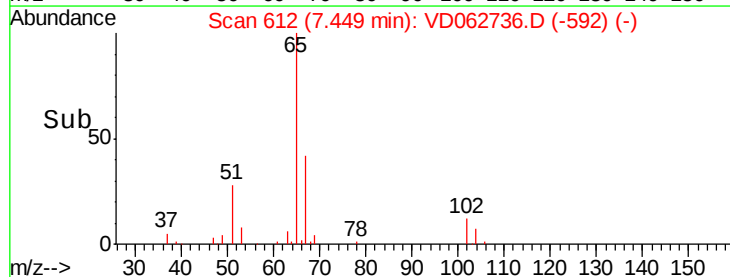
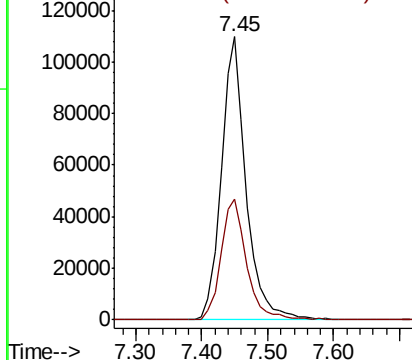


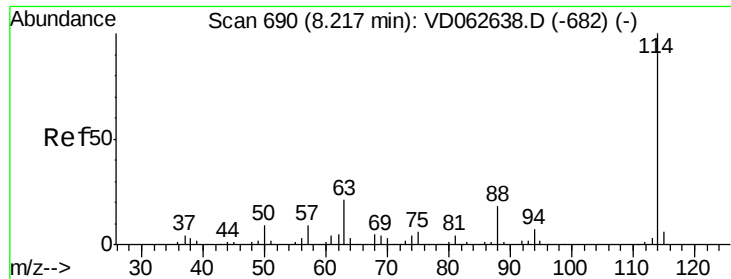
#33
1,2-Dichloroethane-d4
Concen: 28.576 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062736.D
Acq: 17 Jun 2019 19:33

Tgt Ion: 65 Resp: 284361
Ion Ratio Lower Upper
65 100
67 42.5 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

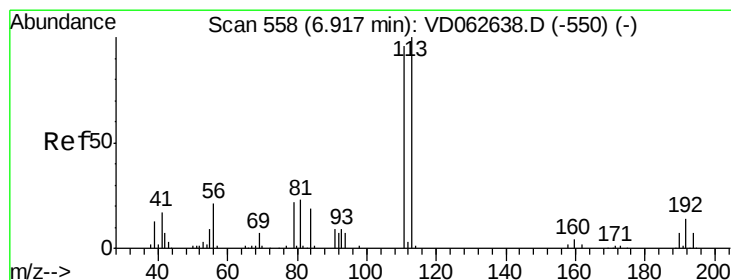
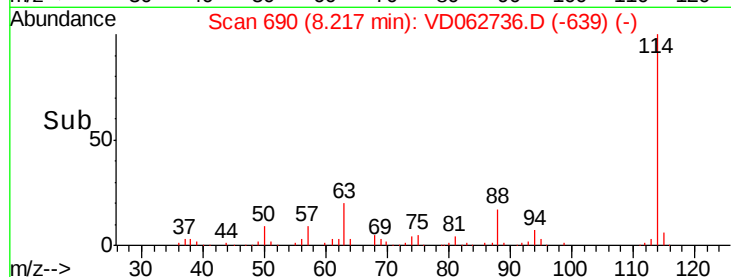
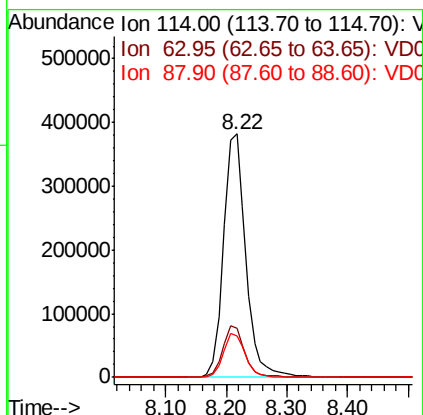
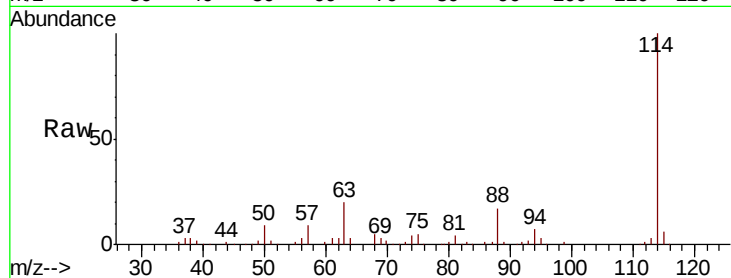




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062736.D
 Acq: 17 Jun 2019 19:33

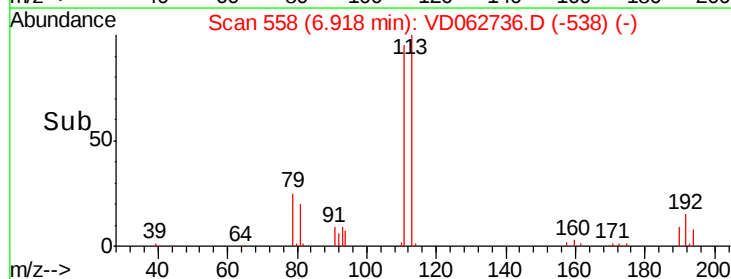
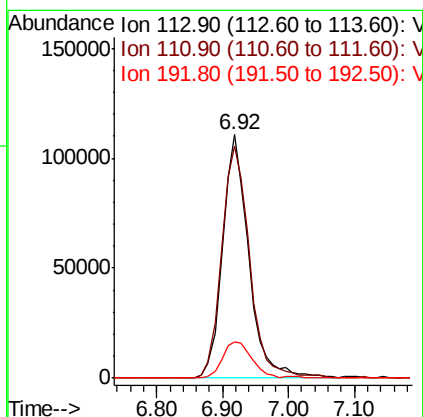
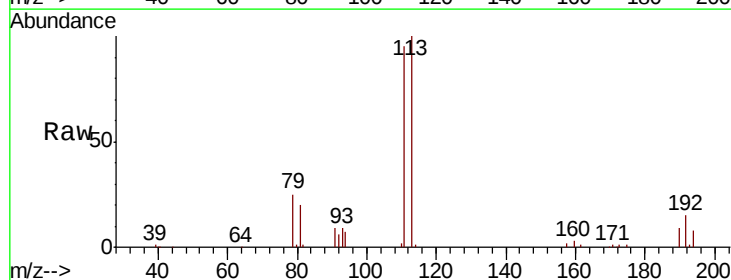
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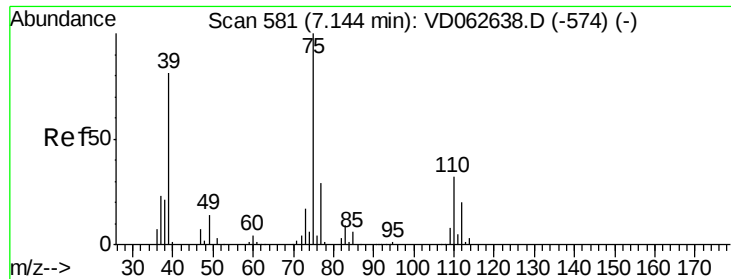
Tot Ion:114 Resp: 974910
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 17.2 0.0 36.8



#35
 Dibromofluoromethane
 Concen: 30.035 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD062736.D
 Acq: 17 Jun 2019 19:33

Tgt Ion:113 Resp: 308808
 Ion Ratio Lower Upper
 113 100
 111 95.1 76.4 114.6
 192 14.9 11.4 17.0





#36

1,1-Dichloropropene

Concen: 4.818 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062736.D

Acq: 17 Jun 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

BAT-B12

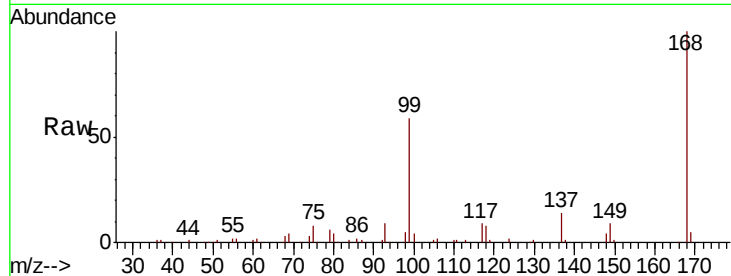
Tot Ion: 75 Resp: 53758

Ion Ratio Lower Upper

75 100

110 9.7 15.9 47.7#

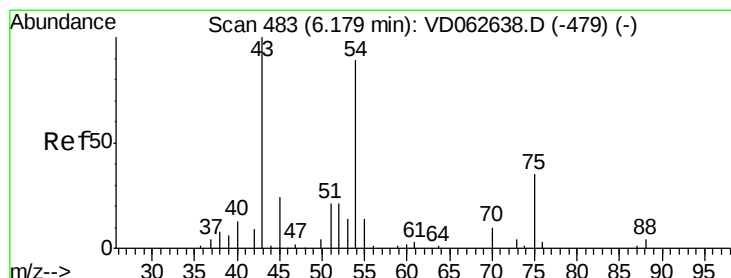
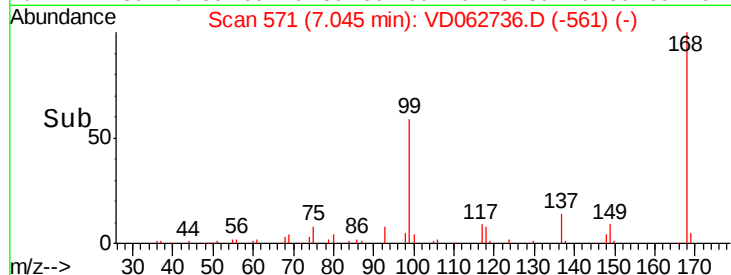
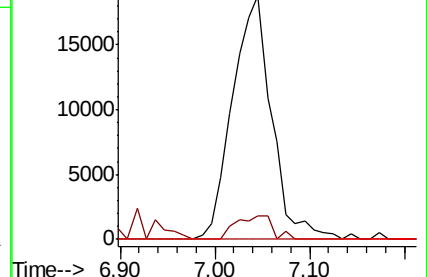
77 0.0 23.3 34.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.826 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.02 min

Lab File: VD062736.D

Acq: 17 Jun 2019 19:33

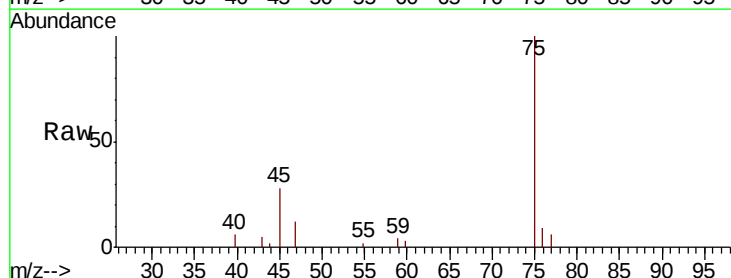
Tgt Ion: 43 Resp: 3048

Ion Ratio Lower Upper

43 100

61 0.0 8.7 13.1#

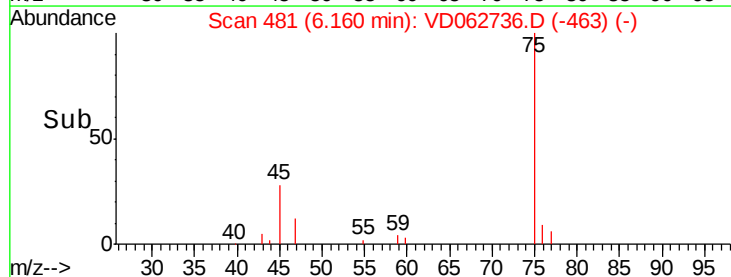
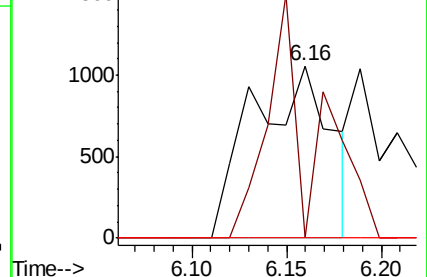
70 0.0 6.5 9.7#

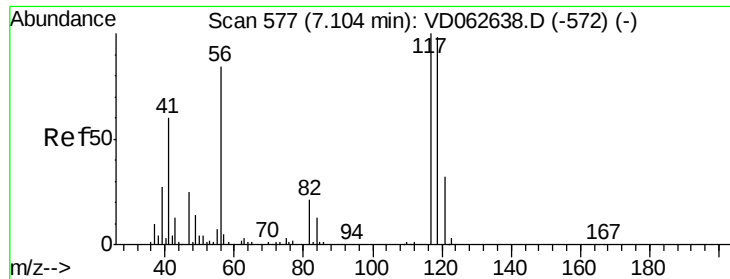


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 3.946 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD062736.D

Acq: 17 Jun 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

BAT-B12

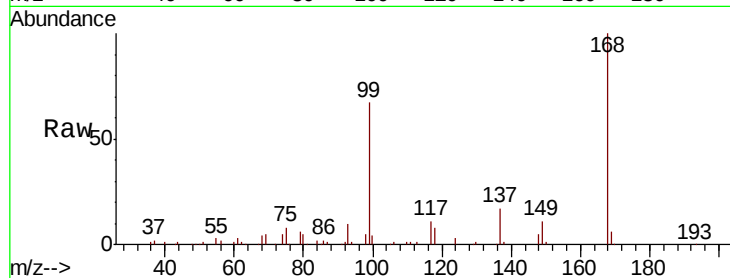
Tot Ion:117 Resp: 69597

Ion Ratio Lower Upper

117 100

119 0.0 73.5 110.3#

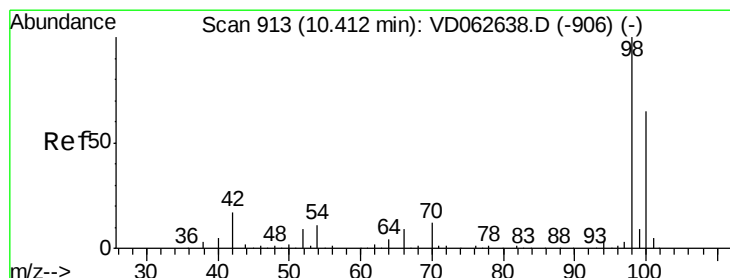
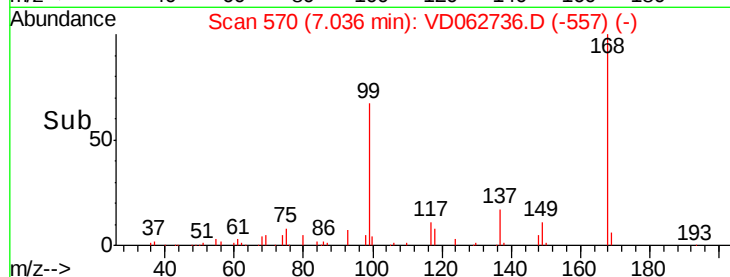
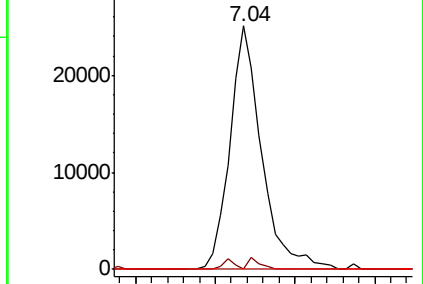
121 0.0 24.2 36.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: 25.120 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD062736.D

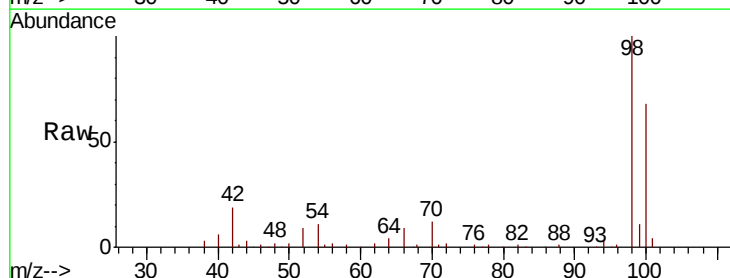
Acq: 17 Jun 2019 19:33

Tgt Ion: 98 Resp: 543322

Ion Ratio Lower Upper

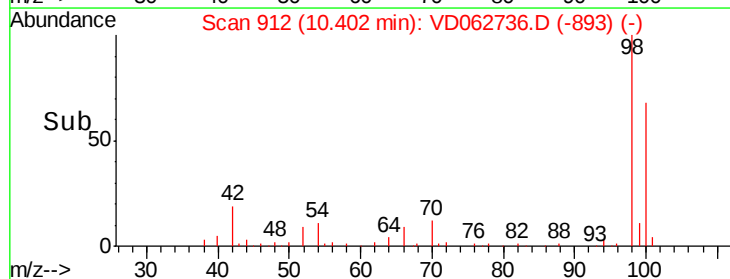
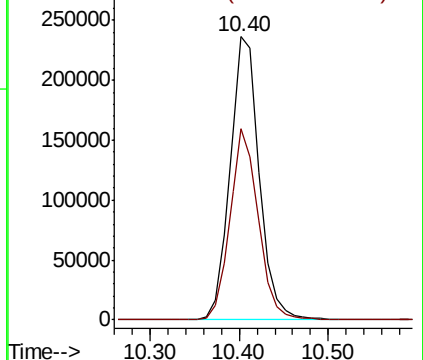
98 100

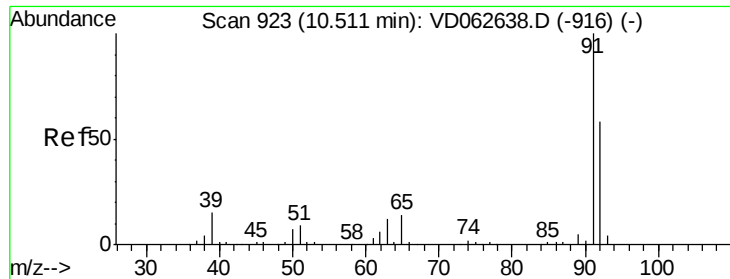
100 67.6 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.741 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062736.D

Acq: 17 Jun 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

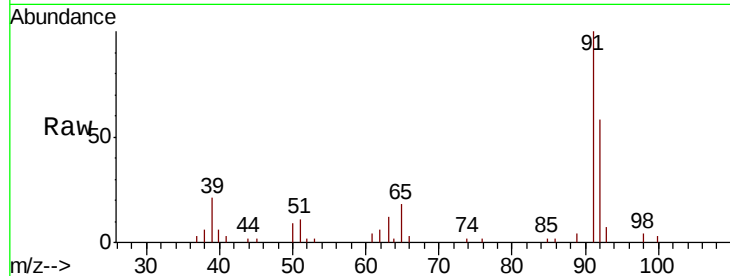
BAT-B12

Tot Ion: 92 Resp: 25505

Ion Ratio Lower Upper

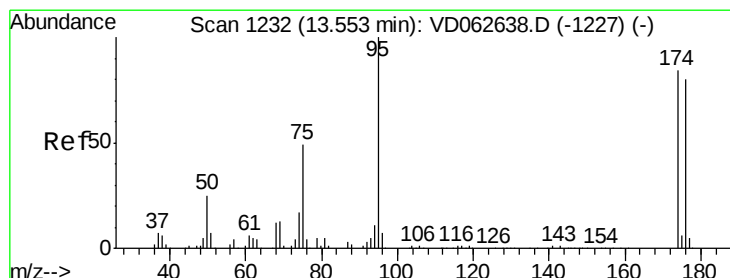
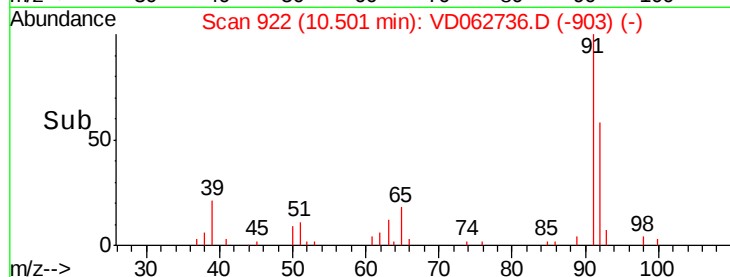
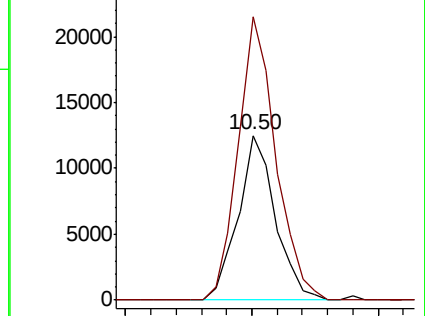
92 100

91 172.0 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 29.189 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062736.D

Acq: 17 Jun 2019 19:33

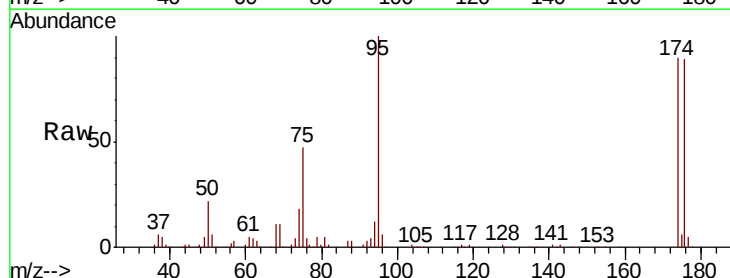
Tgt Ion: 95 Resp: 294540

Ion Ratio Lower Upper

95 100

174 89.5 0.0 167.0

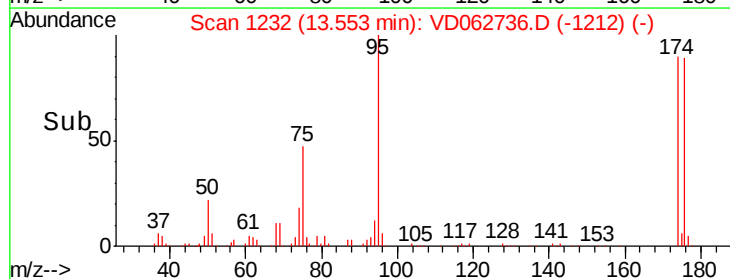
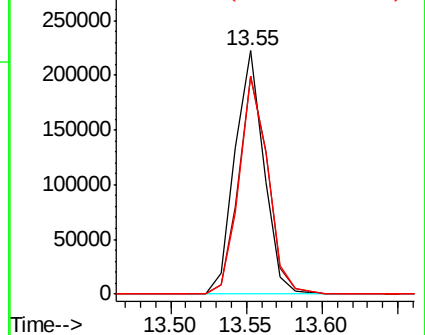
176 89.5 0.0 159.2

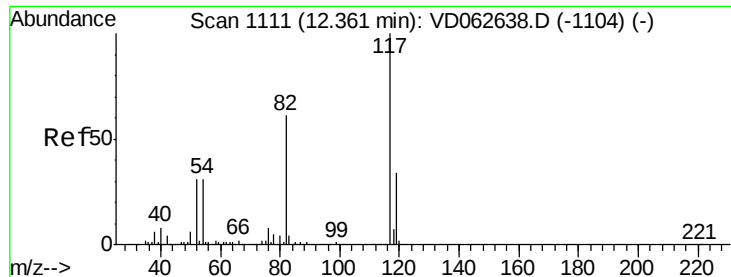


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

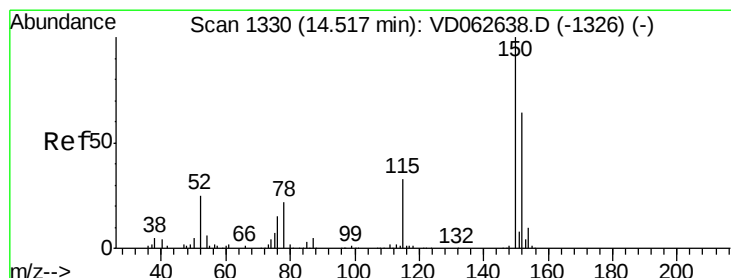
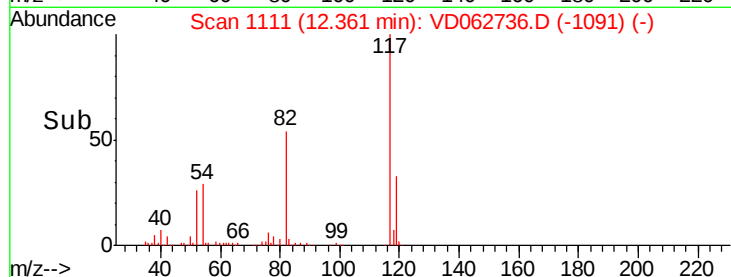
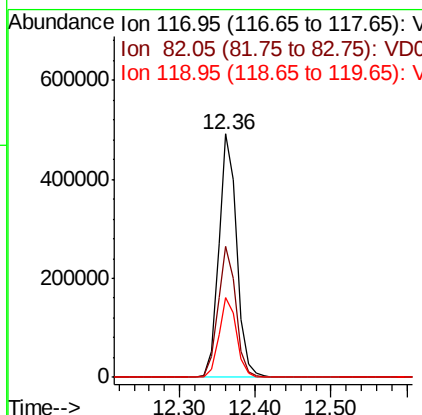
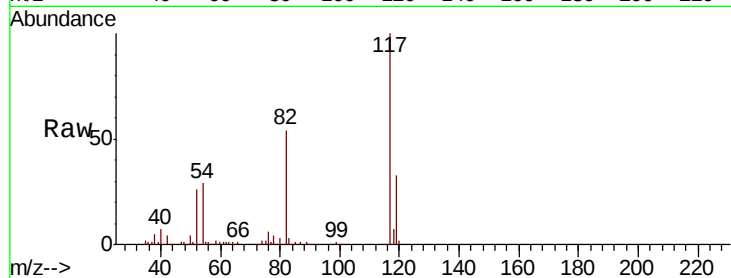




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062736.D
Acq: 17 Jun 2019 19:33

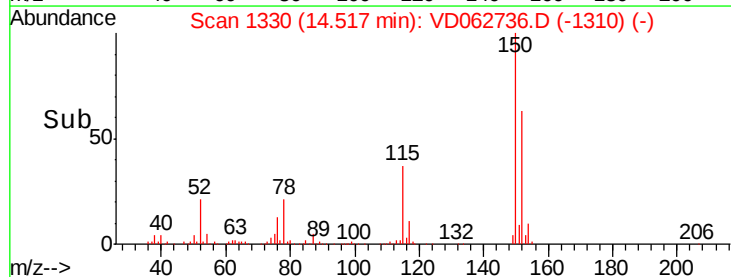
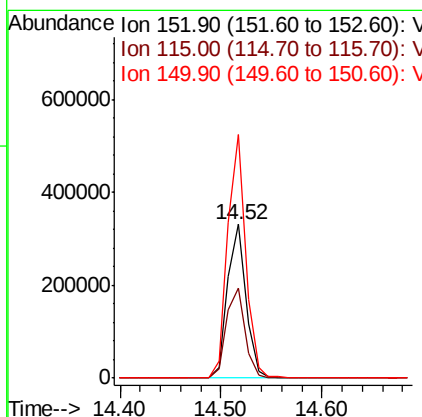
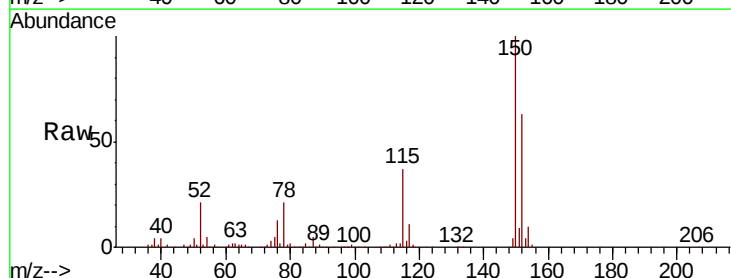
Instrument :
MSVOA_D
ClientSampleId :
BAT-B12

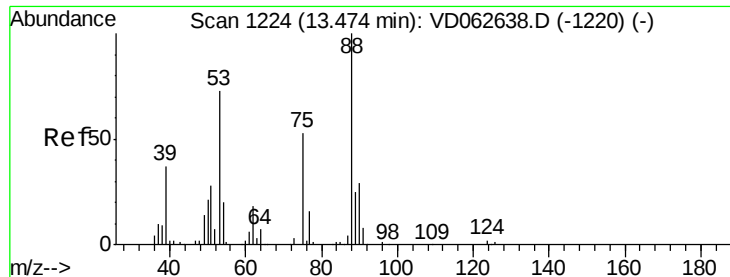
Tot Ion:117 Resp: 817848
Ion Ratio Lower Upper
117 100
82 53.6 48.7 73.1
119 32.6 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062736.D
Acq: 17 Jun 2019 19:33

Tgt Ion:152 Resp: 421433
Ion Ratio Lower Upper
152 100
115 58.5 30.1 90.5
150 158.4 0.0 314.0





#81

trans-1,4-Dichloro-2-butene

Concen: 79.850 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062736.D

Acq: 17 Jun 2019 19:33

Instrument :

MSVOA_D

ClientSampleId :

BAT-B12

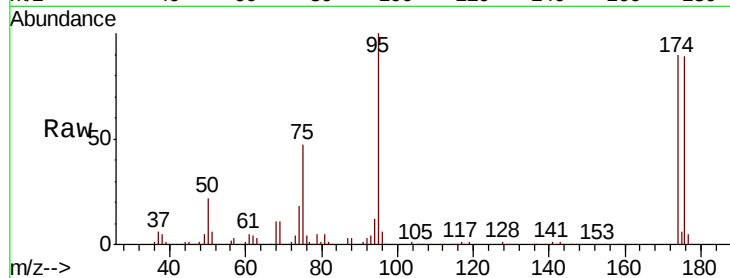
Tot Ion: 75 Resp: 139587

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

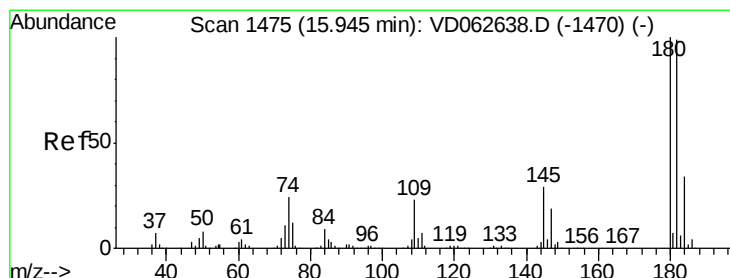
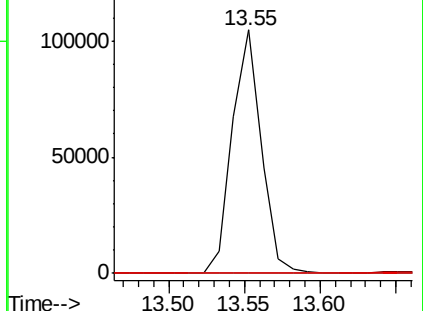
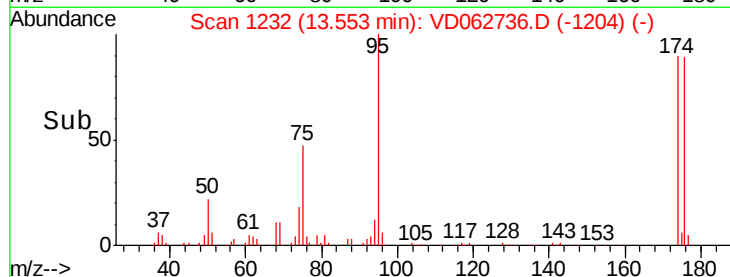
89 0.0 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#93

1,2,4-Trichlorobenzene

Concen: 3.593 ug/l

RT: 15.94 min Scan# 1475

Delta R.T. 0.00 min

Lab File: VD062736.D

Acq: 17 Jun 2019 19:33

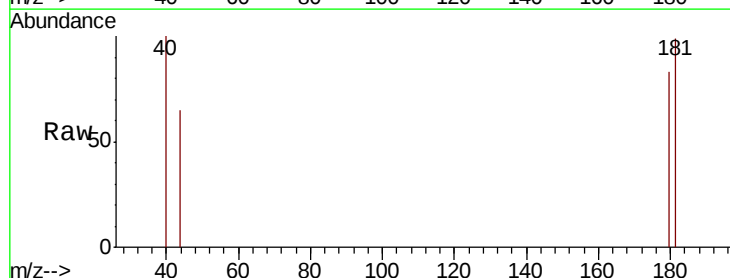
Tgt Ion:180 Resp: 288

Ion Ratio Lower Upper

180 100

182 119.9 49.4 148.2

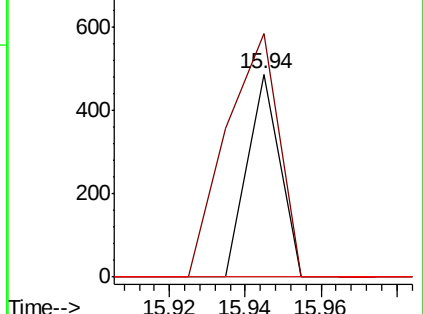
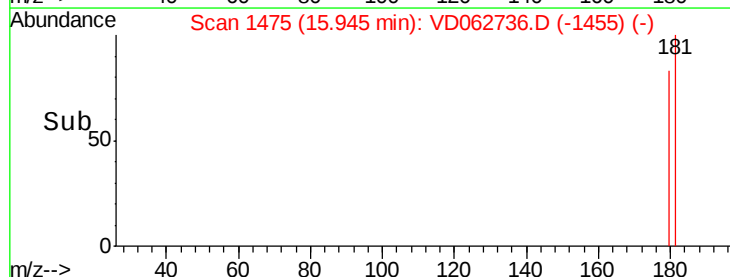
145 0.0 14.5 43.6#

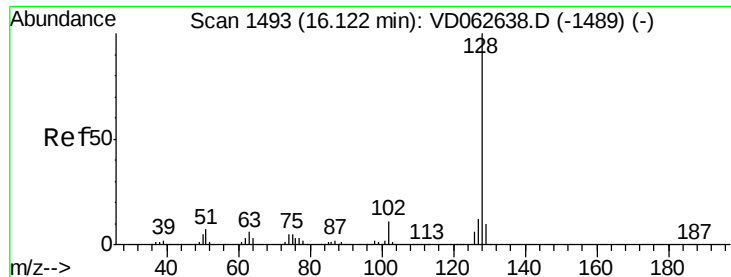


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95
 Naphthalene
 Concen: 3.556 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD062736.D
 Acq: 17 Jun 2019 19:33

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B12

Tot Ion:128 Resp: 1746
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.7 14.5#
 129 0.0 8.1 12.1#

