

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060365.D
 Acq On : 13 Nov 2018 17:23
 Operator : JC/SY
 Sample : J5889-07RE
 Misc : 13.7g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 14 05:50:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	27928	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	44331	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	48332	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	24734	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	17271	86.37	ug/l	-0.01
Spiked Amount 50.000			Recovery =	172.74%		
35) Dibromofluoromethane	6.32	113	16820	50.88	ug/l	-0.02
Spiked Amount 50.000			Recovery =	101.76%		
50) Toluene-d8	9.47	98	36995	38.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	76.48%		
62) 4-Bromofluorobenzene	12.43	95	17549	50.06	ug/l	-0.01
Spiked Amount 50.000			Recovery =	100.12%		

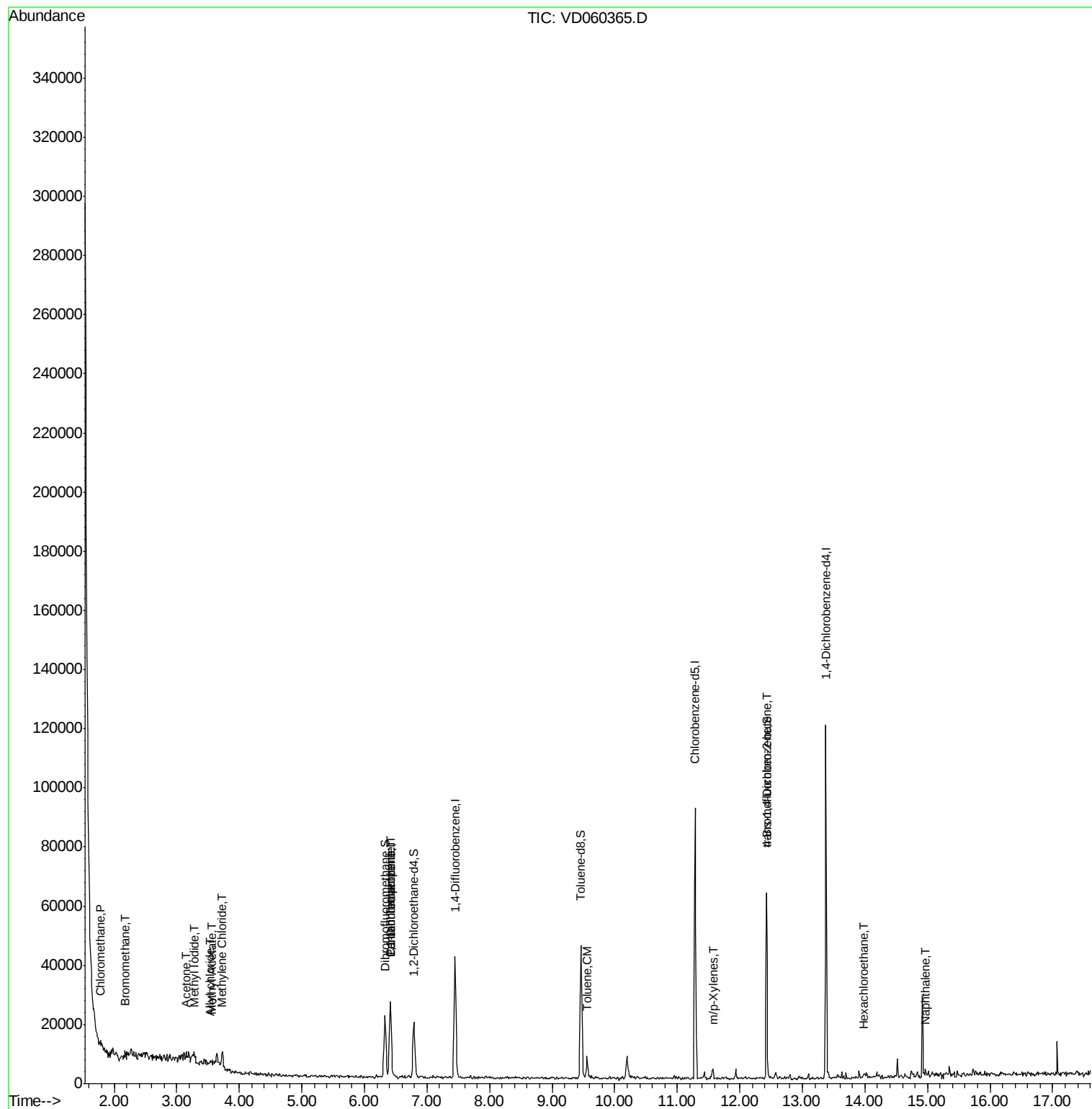
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.77	50	748	2.828	ug/l #	42
5) Bromomethane	2.17	94	1100	21.461	ug/l #	2
10) Methyl Iodide	3.28	142	249	1.144	ug/l #	35
14) Allyl chloride	3.54	41	387	1.484	ug/l #	21
16) Acetone	3.16	43	2322	66.942	ug/l #	55
18) Methyl Acetate	3.56	43	821	11.101	ug/l #	63
20) Methylene Chloride	3.73	84	1636	5.317	ug/l #	72
36) 1,1-Dichloropropene	6.41	75	1777	4.057	ug/l #	41
38) Carbon Tetrachloride	6.42	117	1834	4.514	ug/l #	12
52) Toluene	9.55	92	3726	5.217	ug/l	86
68) m/p-Xylenes	11.57	106	1027	1.554	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.43	75	6815	80.904	ug/l #	15
89) n-Butylbenzene	13.66	91	178	Below Cal	#	29
90) Hexachloroethane	13.99	117	769	2.111	ug/l #	9
95) Naphthalene	14.97	128	1880	2.776	ug/l #	70

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

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060365.D

Acq: 13 Nov 2018 17:23

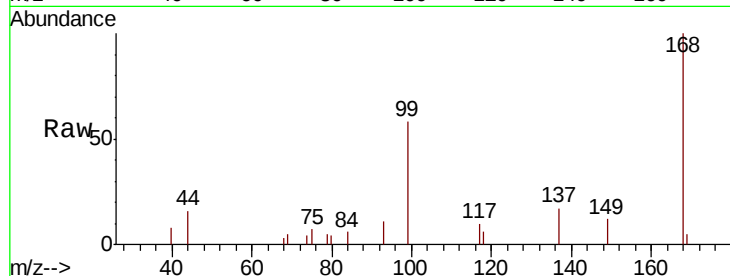
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 27928

Ion Ratio Lower Upper

168 100

99 58.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

12000

10000

8000

6000

4000

2000

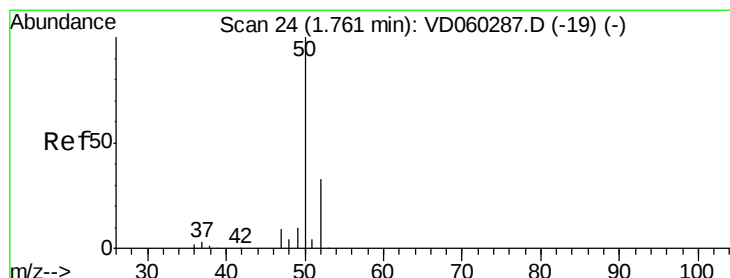
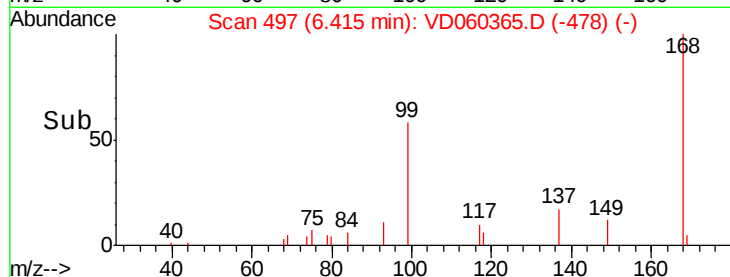
0

Time-->

6.30

6.40

6.50



#3

Chloromethane

Concen: 2.828 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060365.D

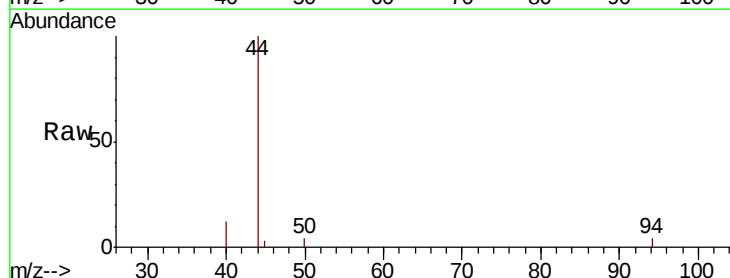
Acq: 13 Nov 2018 17:23

Tgt Ion: 50 Resp: 748

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

500

400

300

200

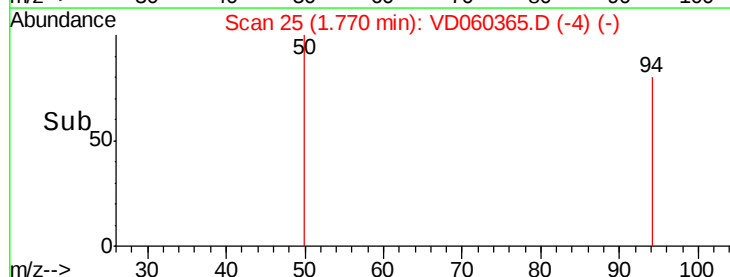
100

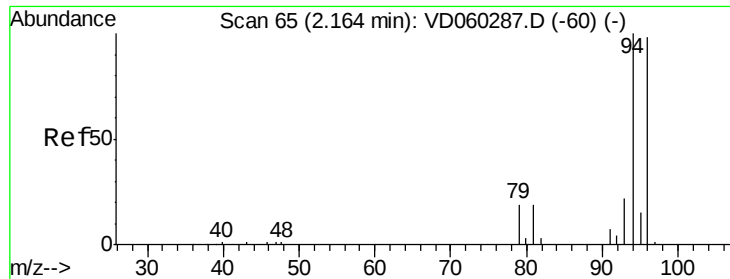
0

Time-->

1.75

1.80





#5

Bromomethane

Concen: 21.461 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060365.D

Acq: 13 Nov 2018 17:23

Instrument :

MSVOA_D

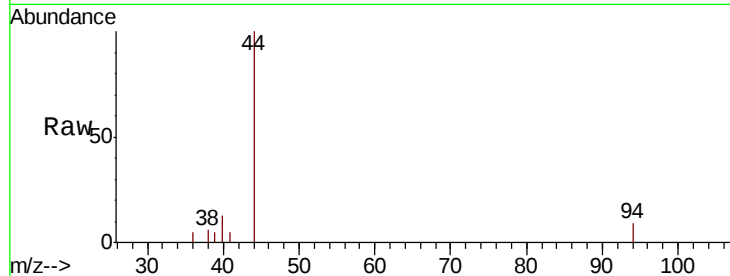
ClientSampleId :

Tot Ion: 94 Resp: 1100

Ion Ratio Lower Upper

94 100

96 0.0 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.17

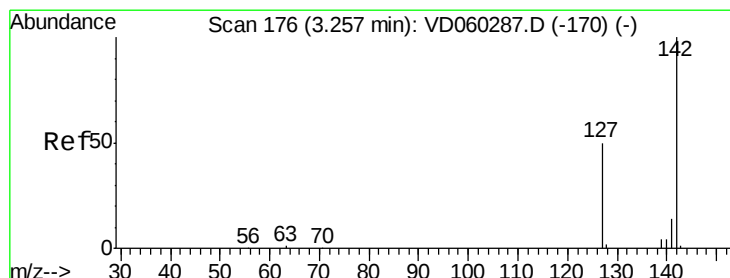
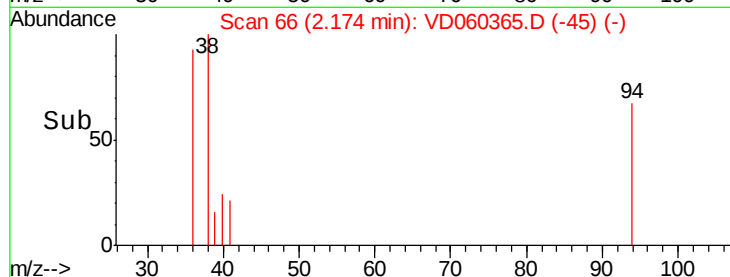
600

400

200

0

Time--> 2.12 2.14 2.16 2.18 2.20



#10

Methyl Iodide

Concen: 1.144 ug/l

RT: 3.28 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060365.D

Acq: 13 Nov 2018 17:23

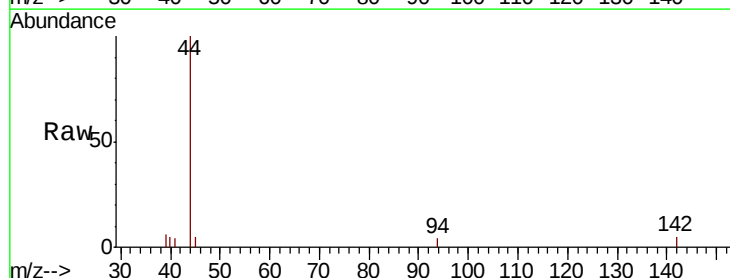
Tgt Ion: 142 Resp: 249

Ion Ratio Lower Upper

142 100

127 0.0 41.0 61.6#

141 0.0 11.9 17.9#



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

3.28

500

400

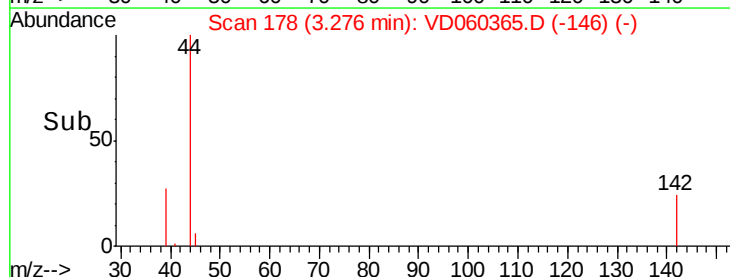
300

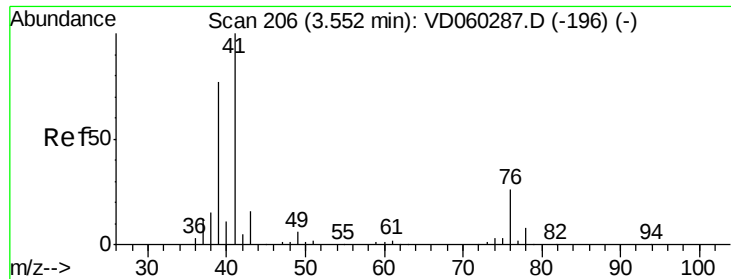
200

100

0

Time--> 3.24 3.26 3.28 3.30

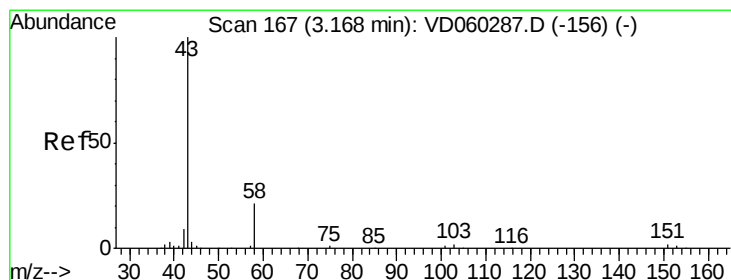
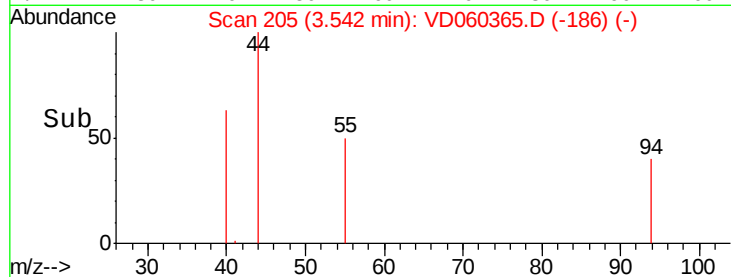
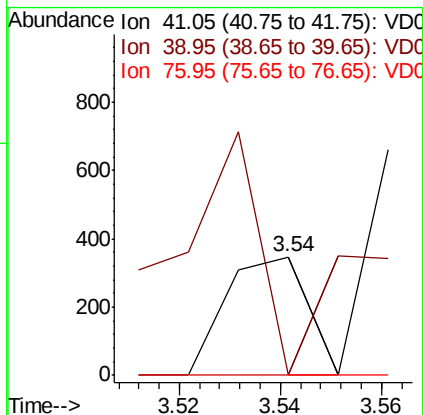
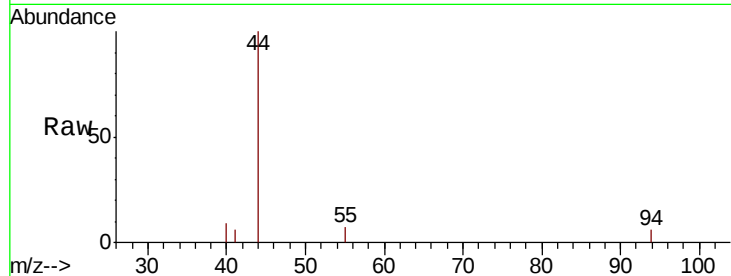




#14
Allvl chloride
Concen: 1.484 ug/l
RT: 3.54 min Scan# 205
Delta R.T. -0.01 min
Lab File: VD060365.D
Acq: 13 Nov 2018 17:23

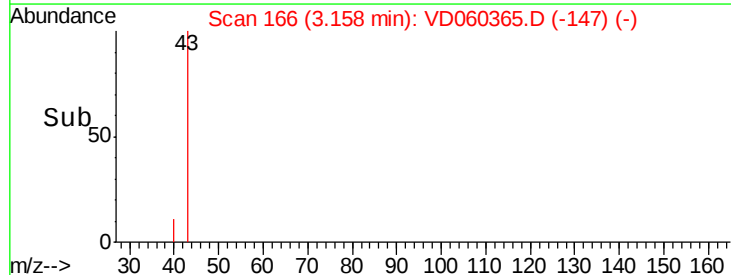
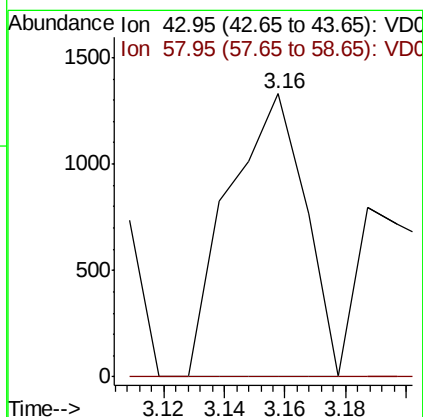
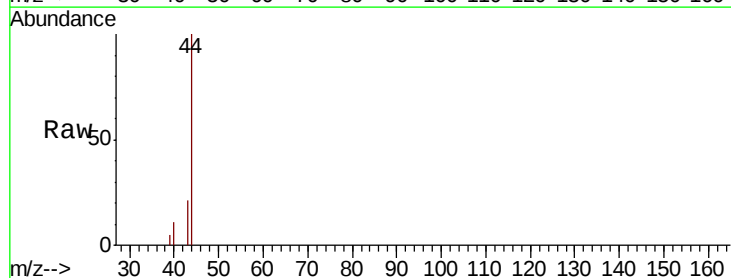
Instrument :
MSVOA_D
ClientSampleId :

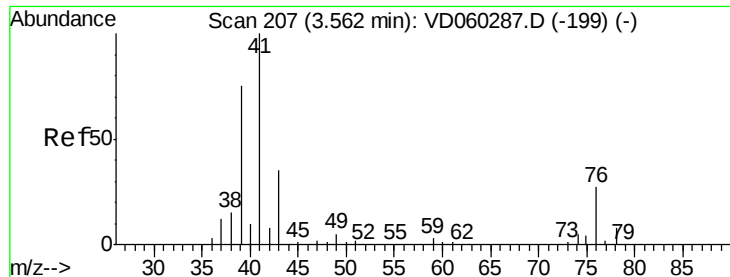
Tot Ion: 41 Resp: 387
Ion Ratio Lower Upper
41 100
39 0.0 60.4 90.6#
76 0.0 21.8 32.8#



#16
Acetone
Concen: 66.942 ug/l
RT: 3.16 min Scan# 166
Delta R.T. -0.01 min
Lab File: VD060365.D
Acq: 13 Nov 2018 17:23

Tgt Ion: 43 Resp: 2322
Ion Ratio Lower Upper
43 100
58 0.0 16.9 25.3#

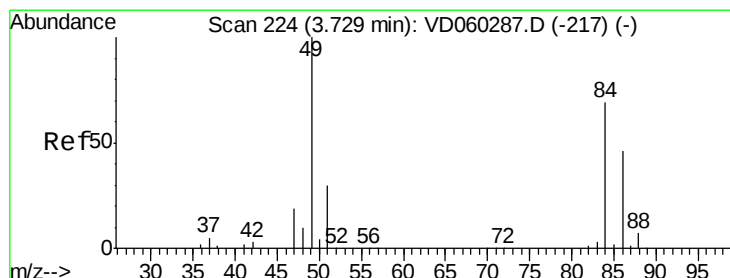
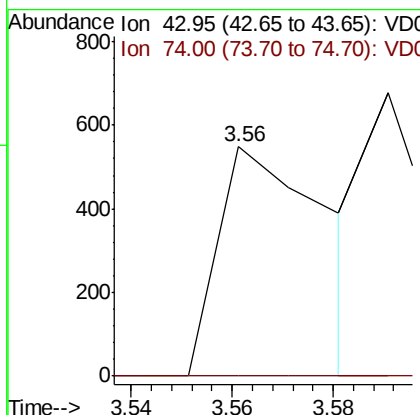
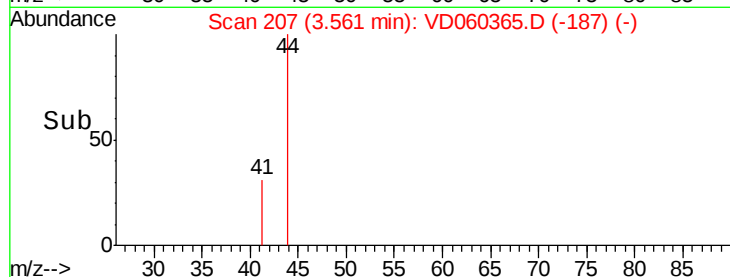
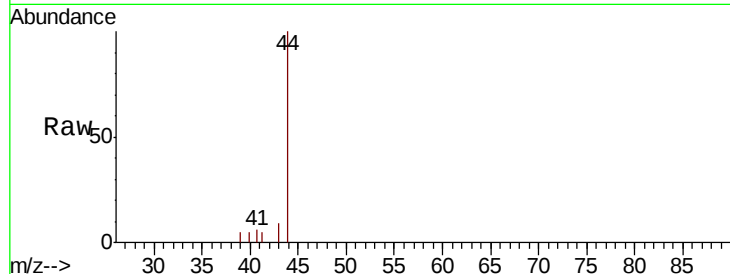




#18
Methyl Acetate
Concen: 11.101 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.00 min
Lab File: VD060365.D
Acq: 13 Nov 2018 17:23

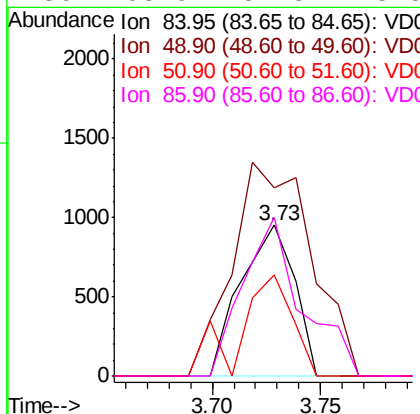
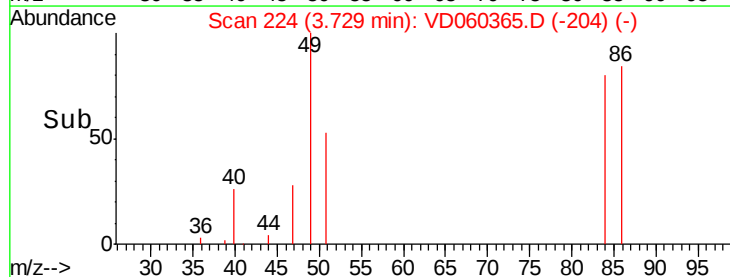
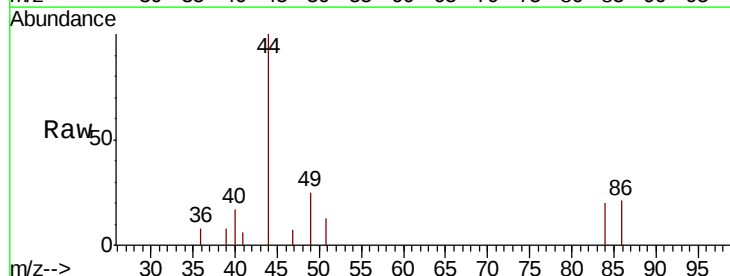
Instrument :
MSVOA_D
ClientSampled :

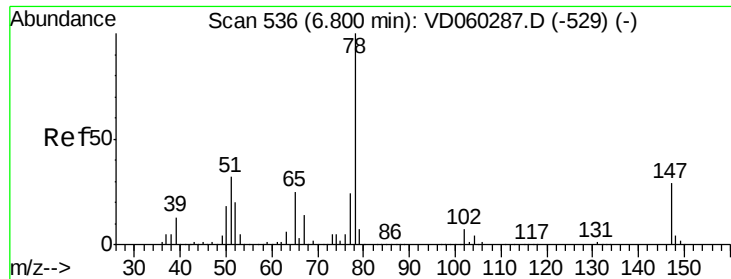
Tot Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 5.317 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060365.D
Acq: 13 Nov 2018 17:23

Tgt Ion: 84 Resp: 1636
Ion Ratio Lower Upper
84 100
49 125.4 115.6 173.4
51 67.1 35.6 53.4#
86 105.9 52.3 78.5#

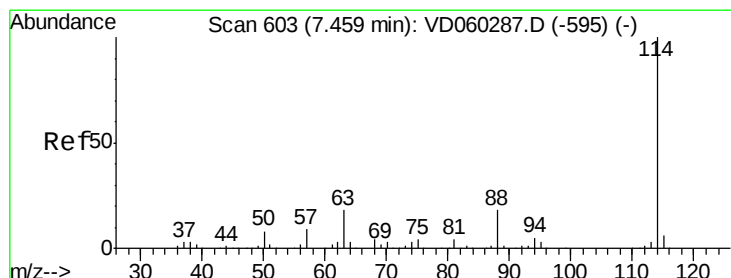
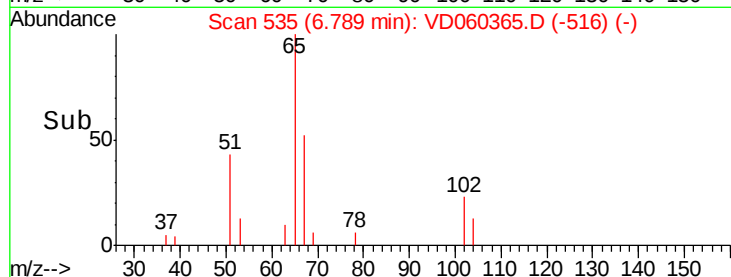
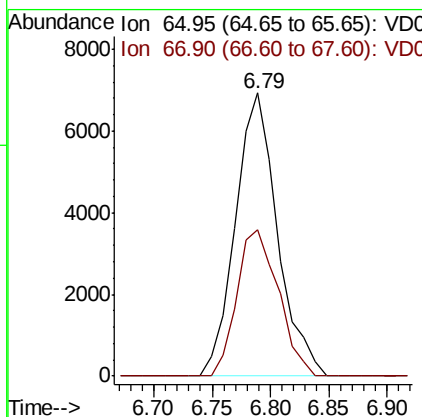
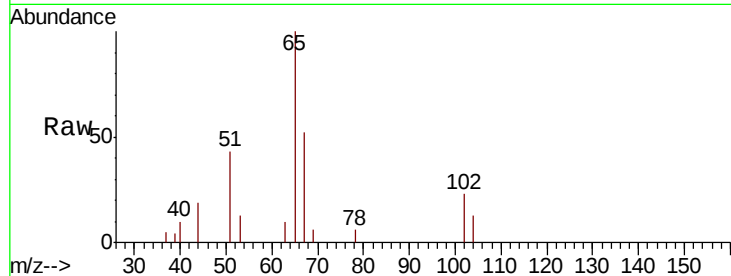




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060365.D
 Acq: 13 Nov 2018 17:23

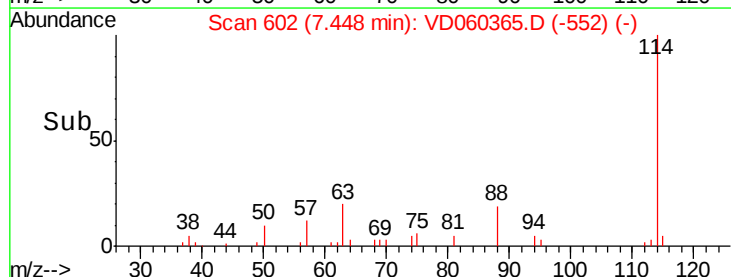
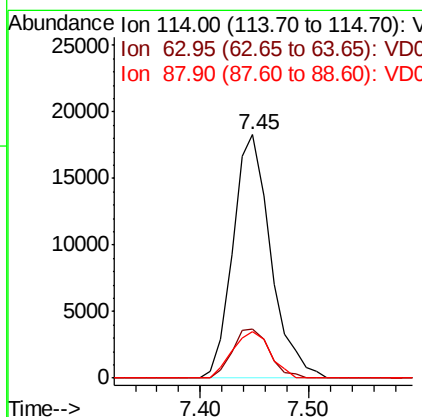
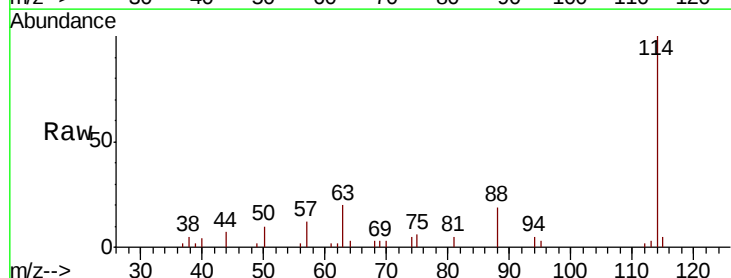
Instrument :
 MSVOA_D
 ClientSampleId :

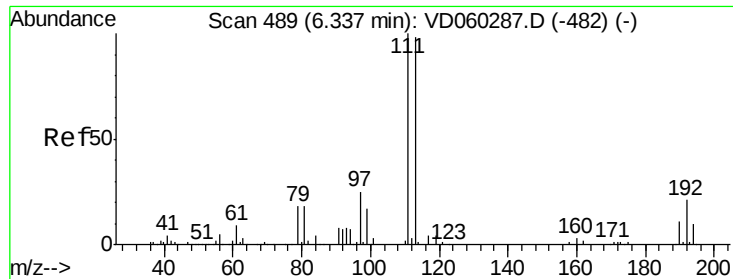
Tot Ion: 65 Resp: 17271
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060365.D
 Acq: 13 Nov 2018 17:23

Tgt Ion:114 Resp: 44331
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 34.0
 88 19.2 0.0 35.4

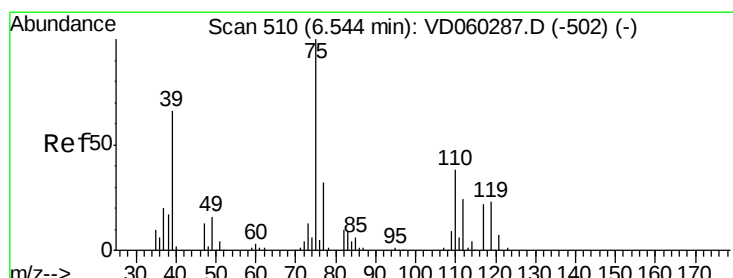
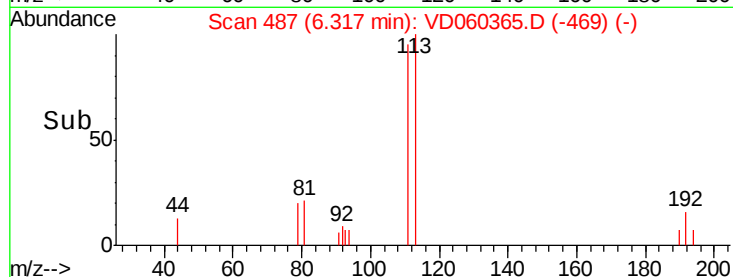
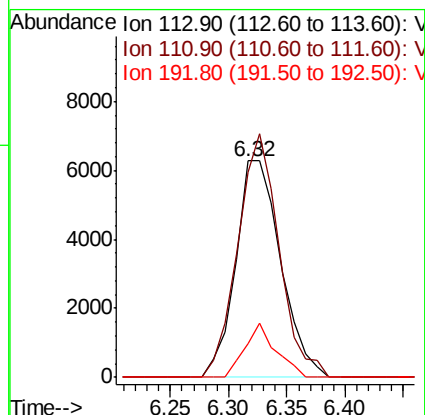
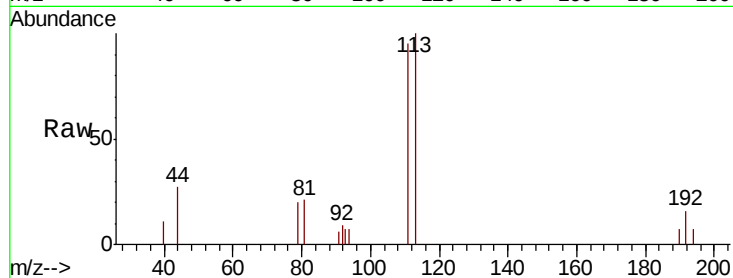




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.32 min Scan# 487
Delta R.T. -0.02 min
Lab File: VD060365.D
Acq: 13 Nov 2018 17:23

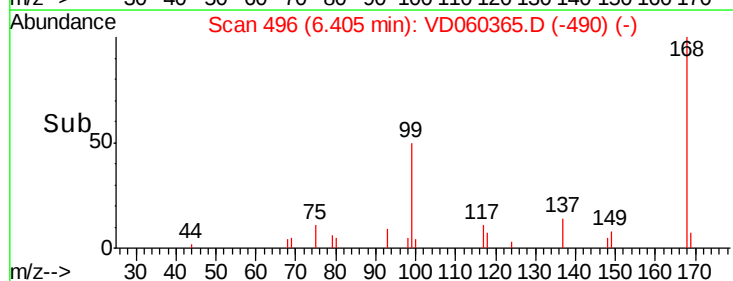
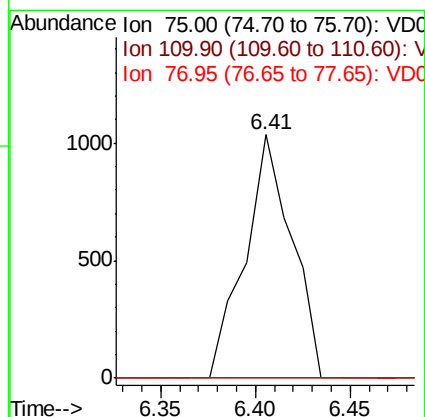
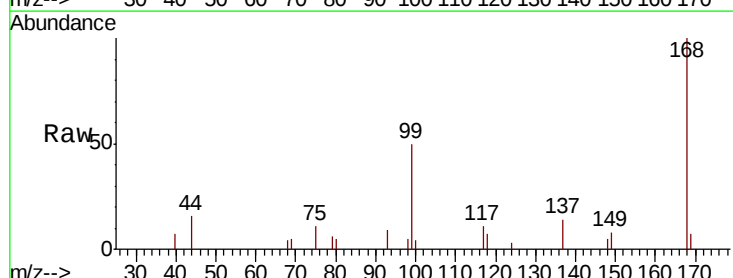
Instrument :
MSVOA_D
ClientSampleId :

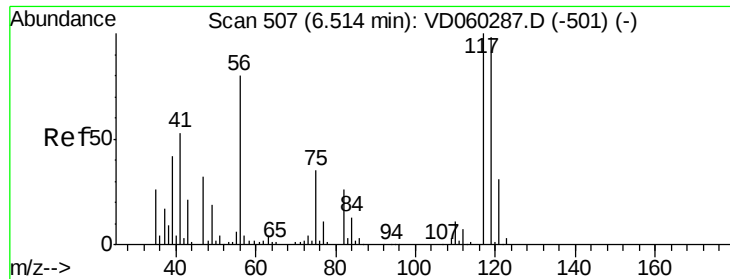
Tot Ion:113 Resp: 16820
Ion Ratio Lower Upper
113 100
111 94.7 81.6 122.4
192 15.6 16.5 24.7#



#36
1,1-Dichloropropene
Concen: 4.057 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.14 min
Lab File: VD060365.D
Acq: 13 Nov 2018 17:23

Tgt Ion: 75 Resp: 1777
Ion Ratio Lower Upper
75 100
110 0.0 18.0 54.0#
77 0.0 25.6 38.4#

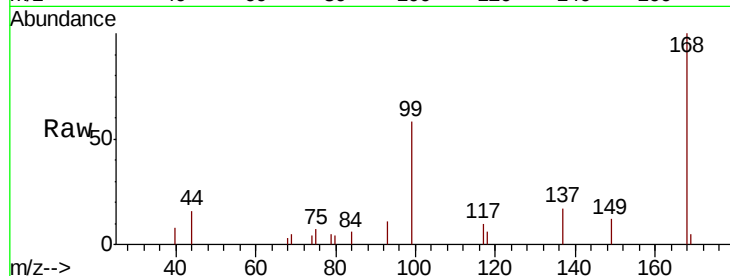




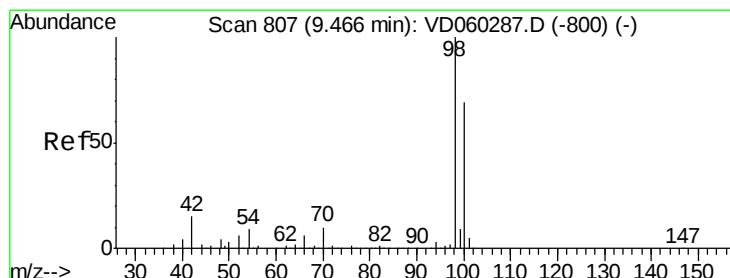
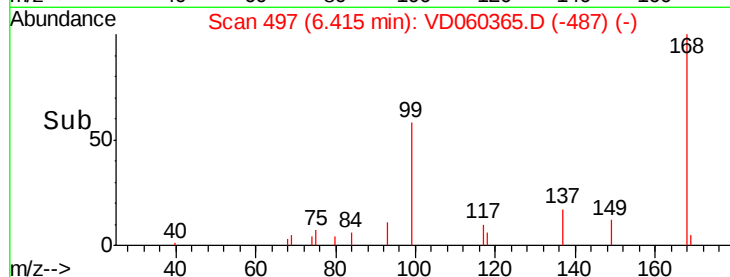
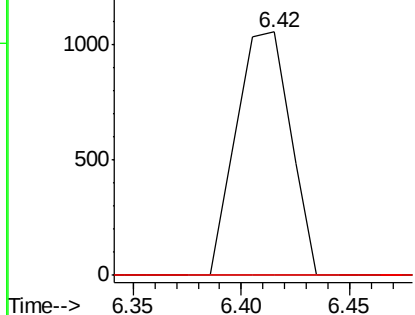
#38
Carbon Tetrachloride
Concen: 4.514 ug/l
RT: 6.42 min Scan# 497
Delta R.T. -0.10 min
Lab File: VD060365.D
Acq: 13 Nov 2018 17:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1834
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.3 36.5#

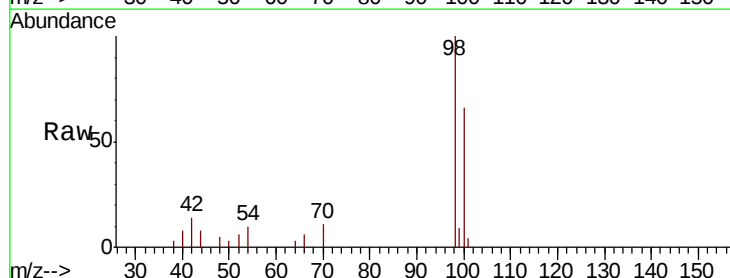


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

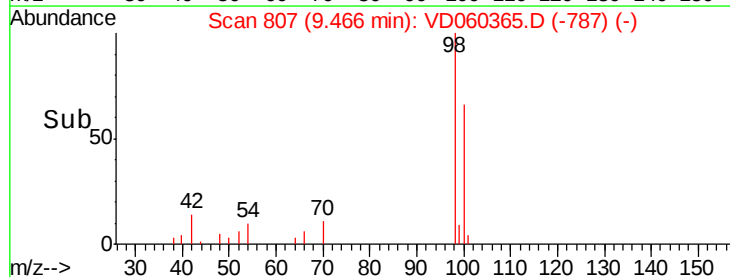
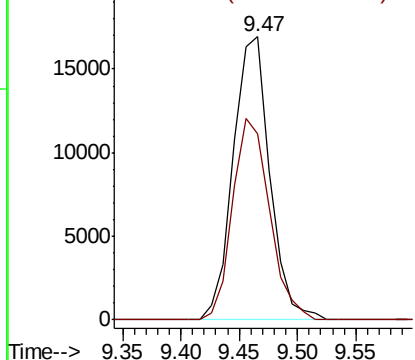


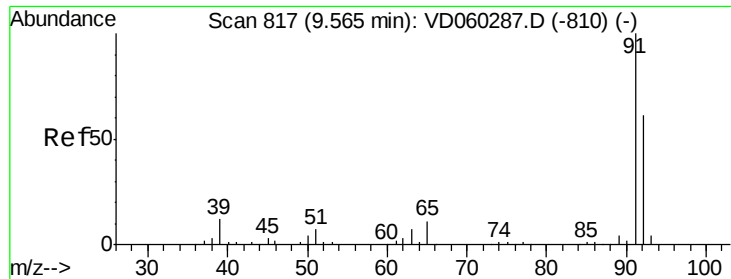
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060365.D
Acq: 13 Nov 2018 17:23

Tgt Ion: 98 Resp: 36995
Ion Ratio Lower Upper
98 100
100 65.5 55.2 82.8



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





#52

Toluene

Concen: 5.217 ug/l

RT: 9.55 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060365.D

Acq: 13 Nov 2018 17:23

Instrument :

MSVOA_D

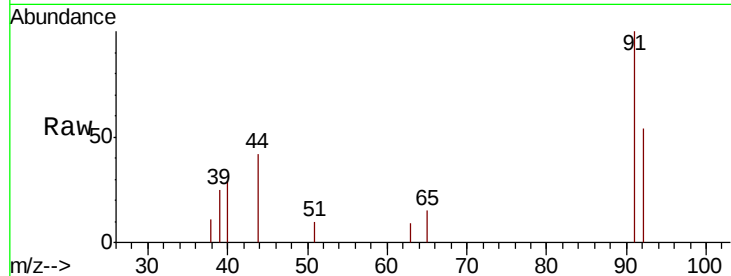
ClientSampled :

Tot Ion: 92 Resp: 3726

Ion Ratio Lower Upper

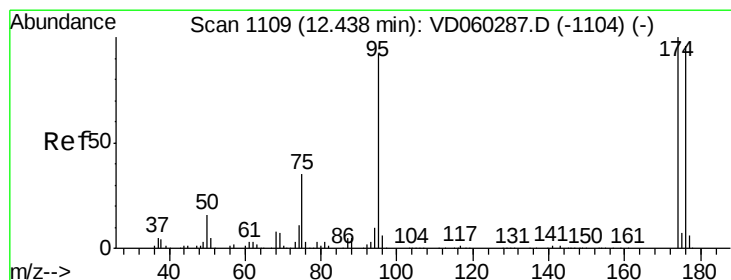
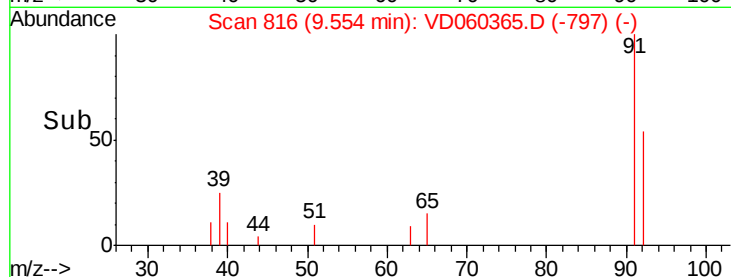
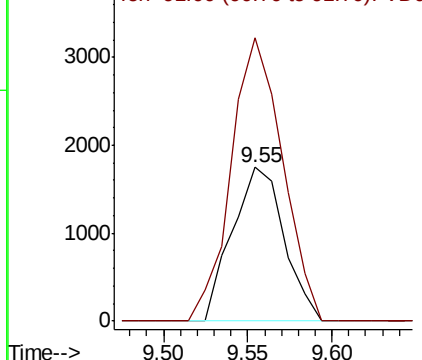
92 100

91 184.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060365.D

Acq: 13 Nov 2018 17:23

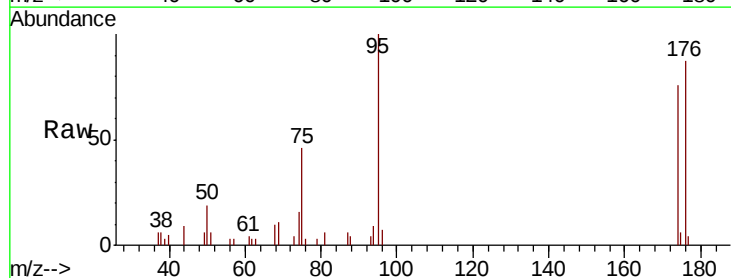
Tgt Ion: 95 Resp: 17549

Ion Ratio Lower Upper

95 100

174 76.1 0.0 160.8

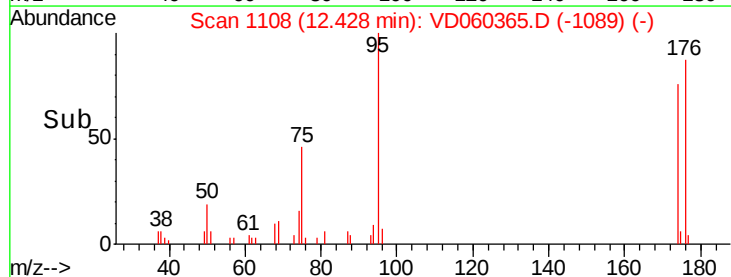
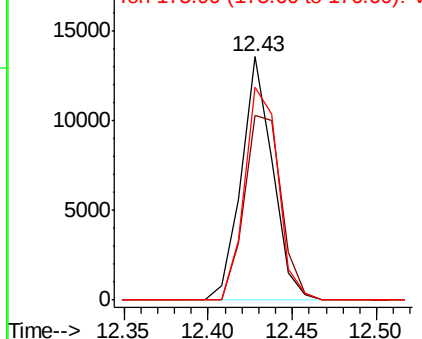
176 87.3 0.0 154.6

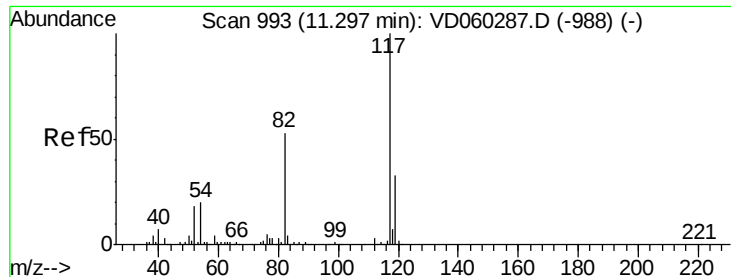


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

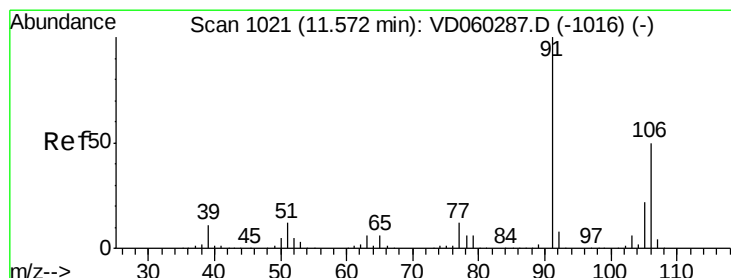
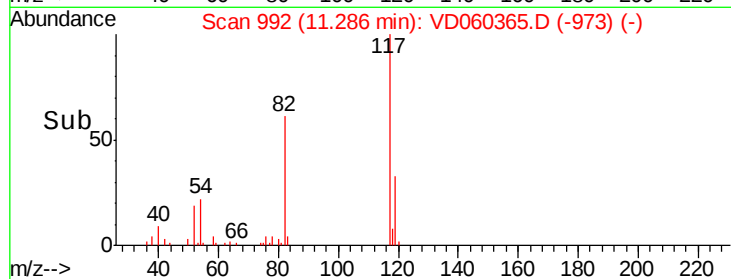
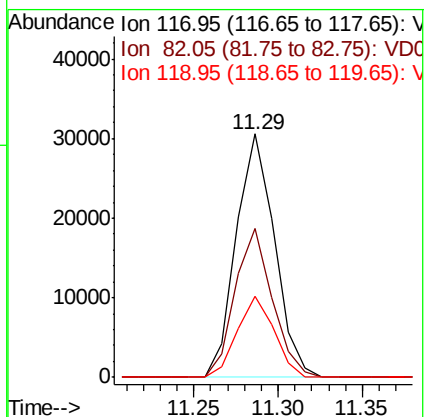
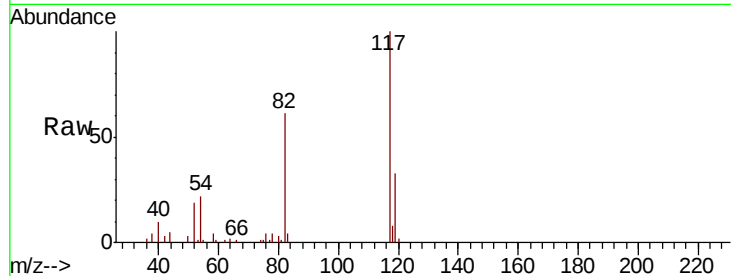




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060365.D
Acq: 13 Nov 2018 17:23

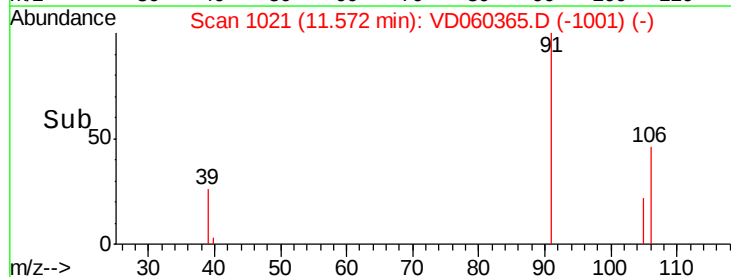
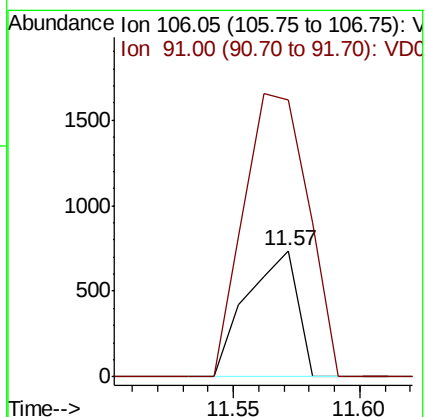
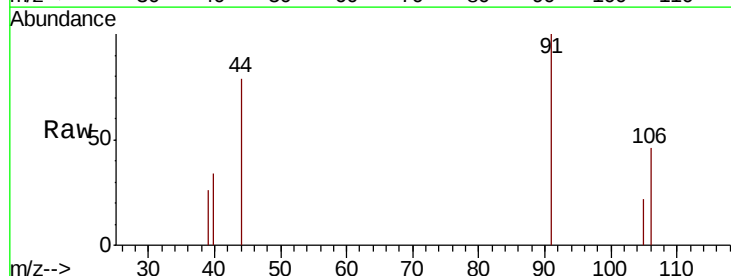
Instrument :
MSVOA_D
ClientSampled :

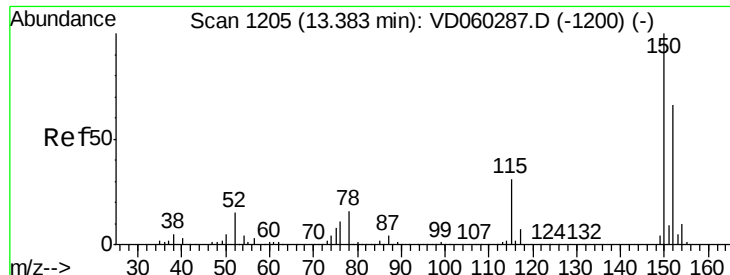
Tot Ion:117 Resp: 48332
Ion Ratio Lower Upper
117 100
82 61.3 43.7 65.5
119 33.1 26.1 39.1



#68
m/p-Xylenes
Concen: 1.554 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VD060365.D
Acq: 13 Nov 2018 17:23

Tgt Ion:106 Resp: 1027
Ion Ratio Lower Upper
106 100
91 219.5 159.4 239.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060365.D

Acq: 13 Nov 2018 17:23

Instrument :

MSVOA_D

ClientSampleId :

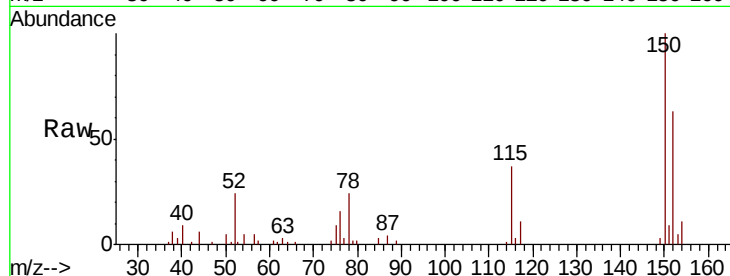
Tot Ion:152 Resp: 24734

Ion Ratio Lower Upper

152 100

115 59.5 24.1 72.3

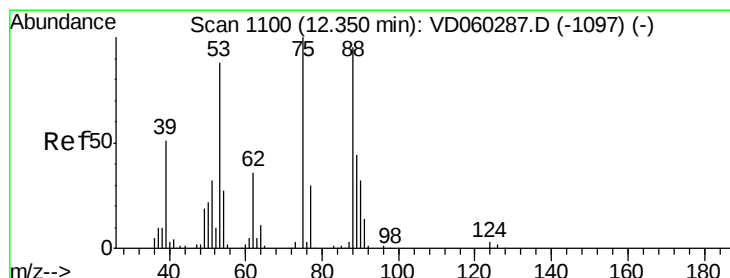
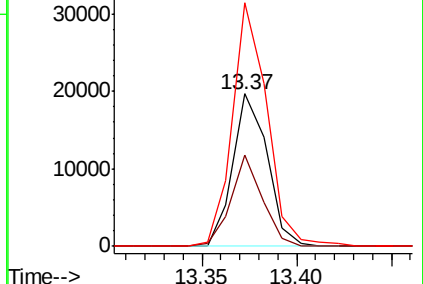
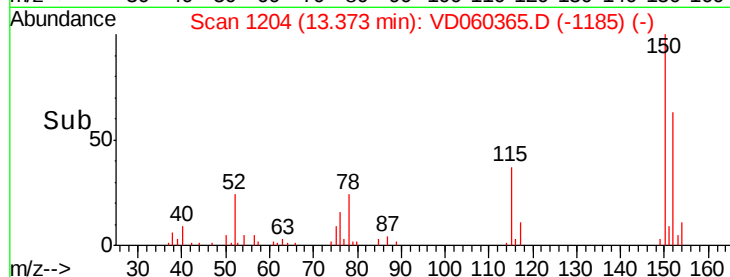
150 159.5 0.0 310.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 80.904 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060365.D

Acq: 13 Nov 2018 17:23

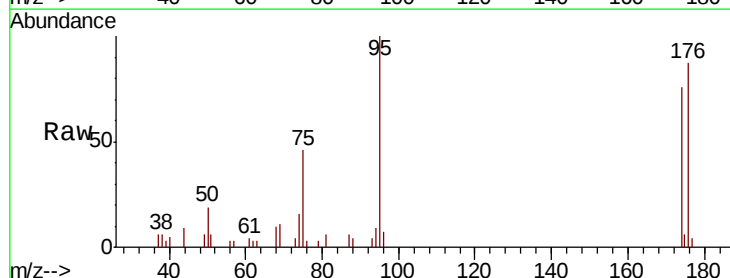
Tgt Ion: 75 Resp: 6815

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

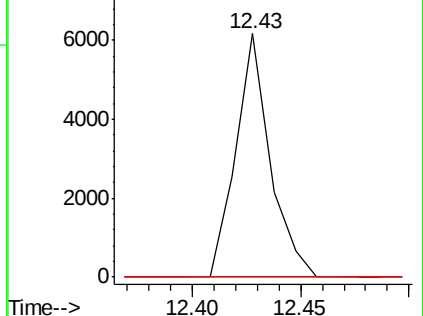
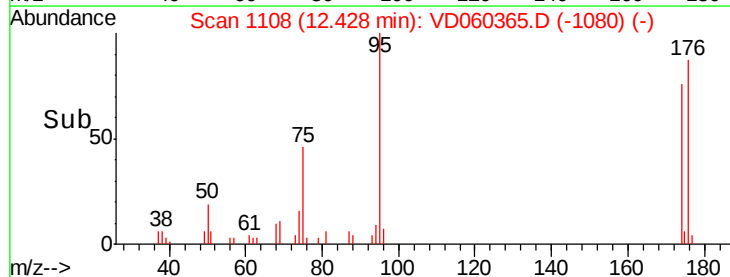
89 0.0 34.1 51.1#

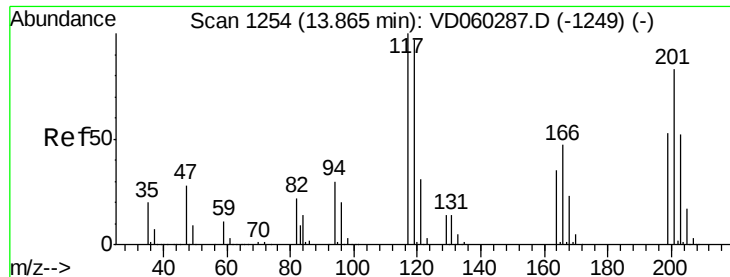


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V





#90

Hexachloroethane

Concen: 2.111 ug/l

RT: 13.99 min Scan# 1267

Delta R.T. 0.13 min

Lab File: VD060365.D

Acq: 13 Nov 2018 17:23

Instrument :

MSVOA_D

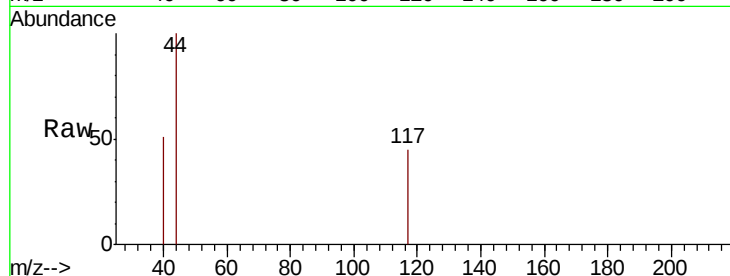
ClientSampleId :

Tot Ion:117 Resp: 769

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.3#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

13.99

800

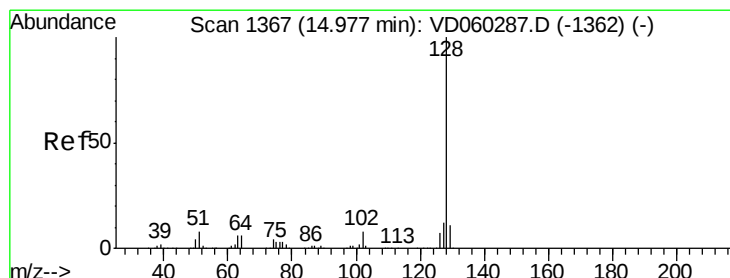
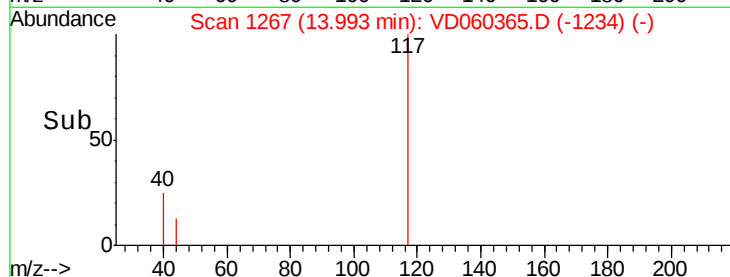
600

400

200

0

Time-->



#95

Naphthalene

Concen: 2.776 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060365.D

Acq: 13 Nov 2018 17:23

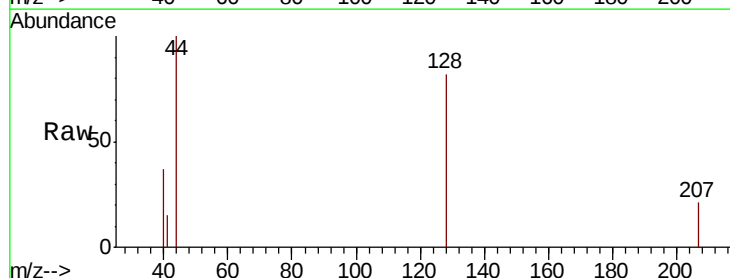
Tgt Ion:128 Resp: 1880

Ion Ratio Lower Upper

128 100

127 0.0 9.6 14.4#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

2000

1500

1000

500

0

Time-->

