

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030519\
 Data File : VD060955.D
 Acq On : 5 Mar 2019 18:12
 Operator : VA/AP
 Sample : K1714-18
 Misc : 5.96g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-D-5-8

Quant Time: Mar 06 04:09:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	476171	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	829873	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	735982	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	317928	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	169259	43.00	ug/l	0.02
Spiked Amount			Recovery	=	86.00%	
35) Dibromofluoromethane	6.94	113	251091	37.74	ug/l	0.02
Spiked Amount			Recovery	=	75.48%	
50) Toluene-d8	10.42	98	517902	31.28	ug/l	0.02
Spiked Amount			Recovery	=	62.56%	
62) 4-Bromofluorobenzene	13.56	95	235817	37.69	ug/l	0.01
Spiked Amount			Recovery	=	75.38%	

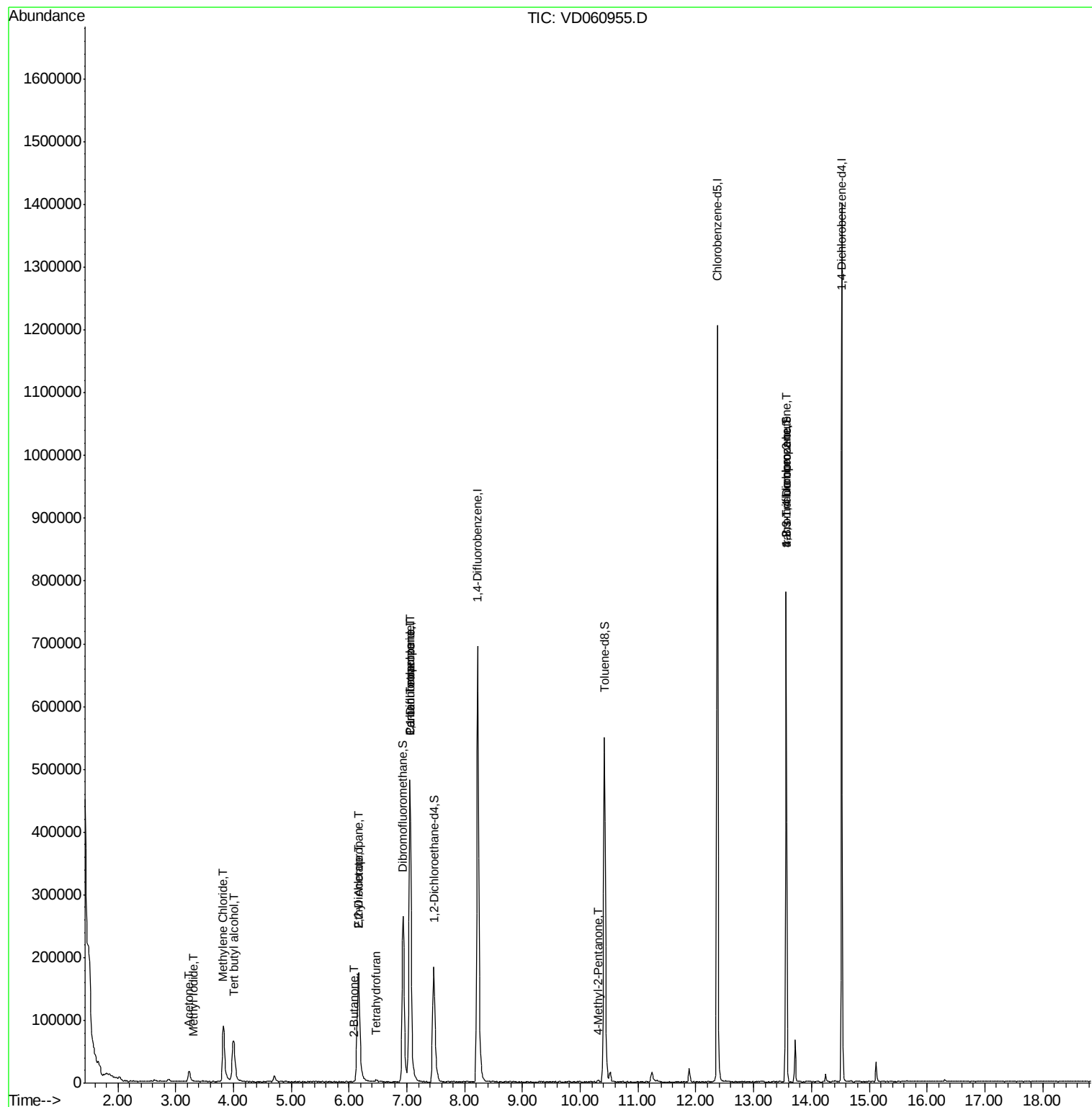
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	200	4.762	ug/l #	40
11) Tert butyl alcohol	4.00	59	68011	231.812	ug/l #	77
16) Acetone	3.22	43	33980	25.853	ug/l	89
20) Methylene Chloride	3.82	84	67591	7.768	ug/l	94
25) 2-Butanone	6.08	43	1943	1.192	ug/l #	55
26) 2,2-Dichloropropane	6.17	77	12303	1.641	ug/l #	48
29) Tetrahydrofuran	6.46	42	2863	3.411	ug/l #	55
36) 1,1-Dichloropropene	7.05	75	38228	5.010	ug/l #	44
37) Ethyl Acetate	6.17	43	10823	2.759	ug/l #	1
38) Carbon Tetrachloride	7.05	117	46236	5.640	ug/l #	14
51) 4-Methyl-2-Pentanone	10.30	43	3442	1.034	ug/l	96
76) 1,2,3-Trichloropropane	13.56	75	61321	11.904	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	89412	58.648	ug/l #	20

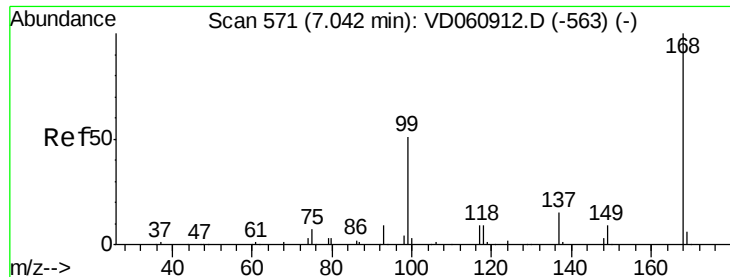
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD060955.D

Acq: 5 Mar 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

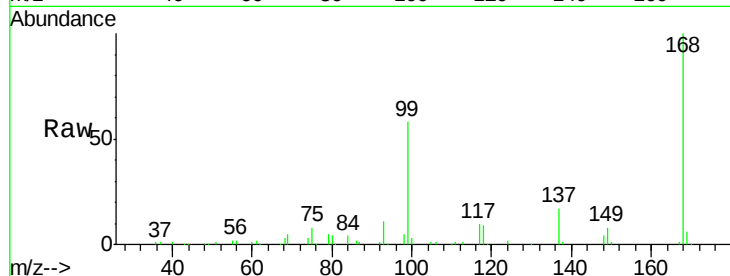
SB-D-5-8

Tot Ion:168 Resp: 476171

Ion Ratio Lower Upper

168 100

99 58.1 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

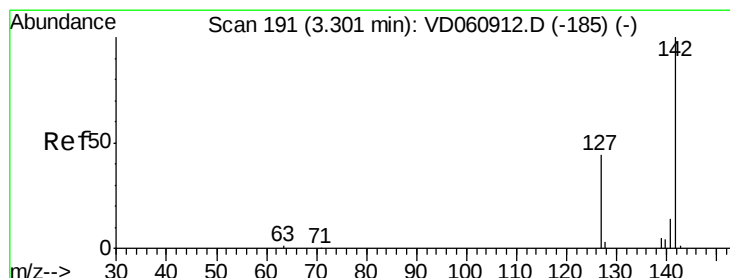
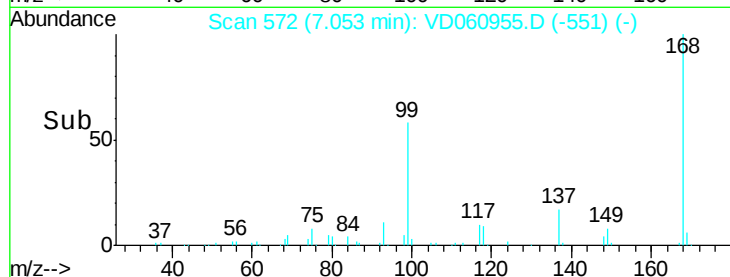
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 4.762 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD060955.D

Acq: 5 Mar 2019 18:12

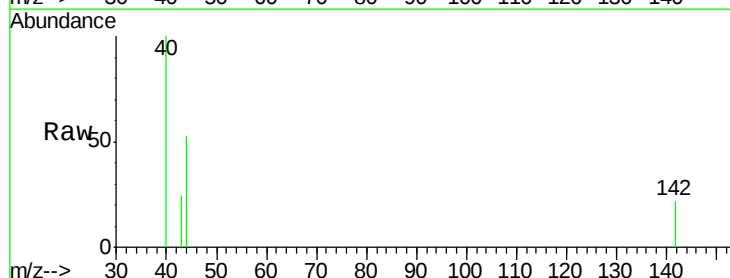
Tgt Ion:142 Resp: 200

Ion Ratio Lower Upper

142 100

127 0.0 35.0 52.6#

141 0.0 11.0 16.4#



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

500

400

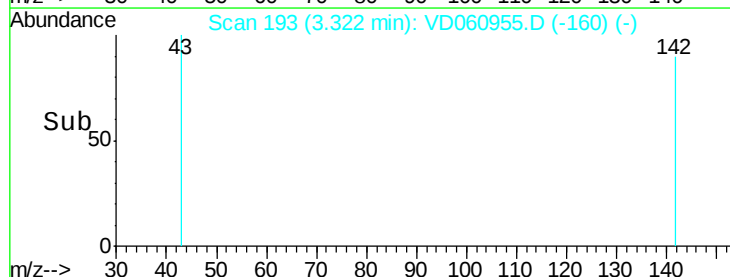
300

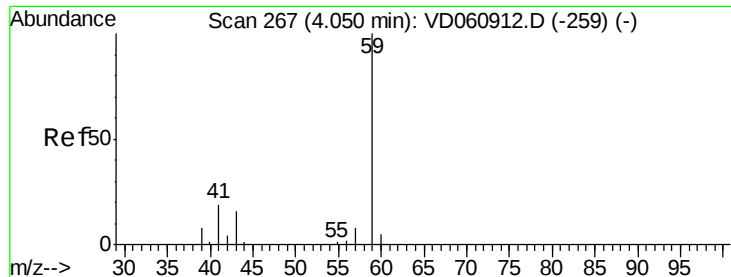
200

100

0

Time--> 3.30 3.32 3.34



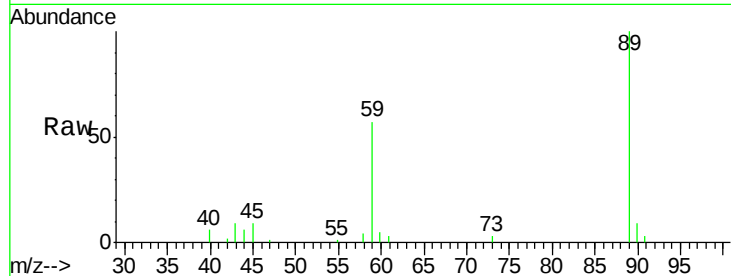


#11

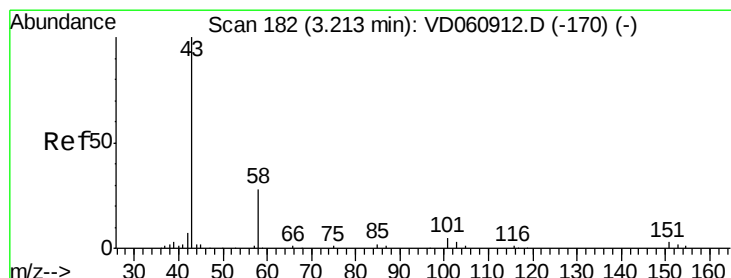
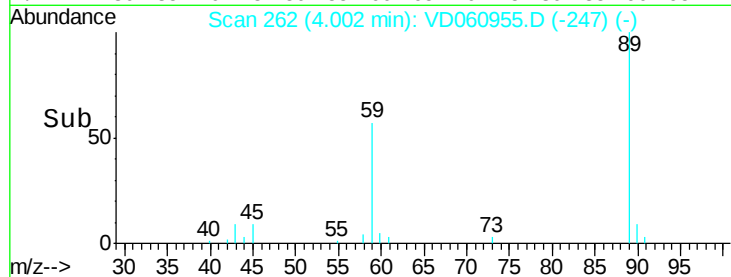
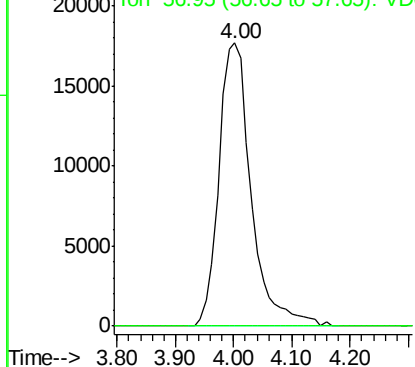
Tert butyl alcohol
 Concen: 231.812 ug/l
 RT: 4.00 min Scan# 262
 Delta R.T. -0.05 min
 Lab File: VD060955.D
 Acq: 5 Mar 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-D-5-8

Tot Ion: 59 Resp: 68011
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.5 9.7#



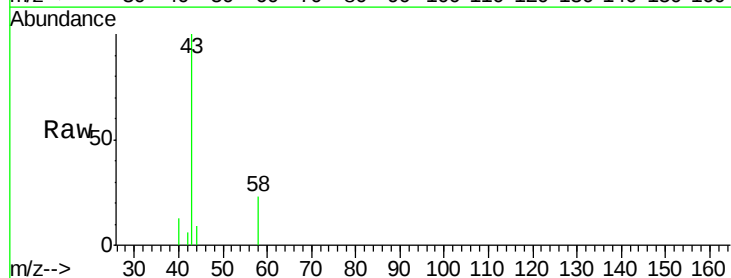
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



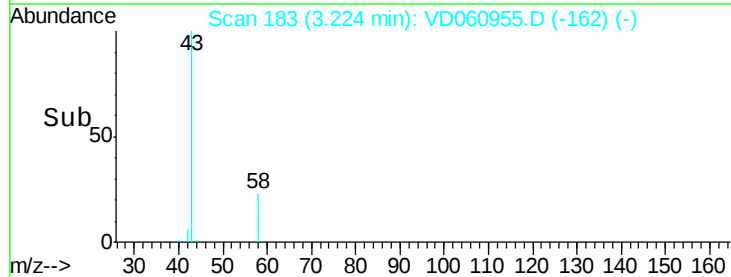
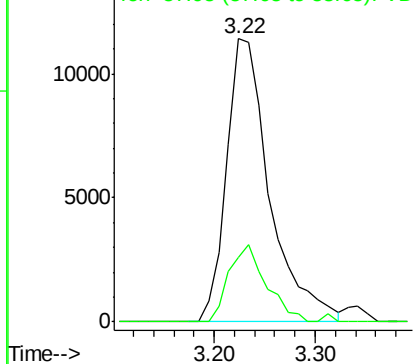
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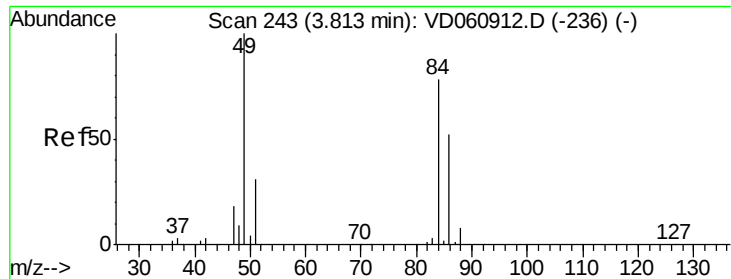
Acetone
 Concen: 25.853 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VD060955.D
 Acq: 5 Mar 2019 18:12

Tgt Ion: 43 Resp: 33980
 Ion Ratio Lower Upper
 43 100
 58 22.9 22.8 34.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

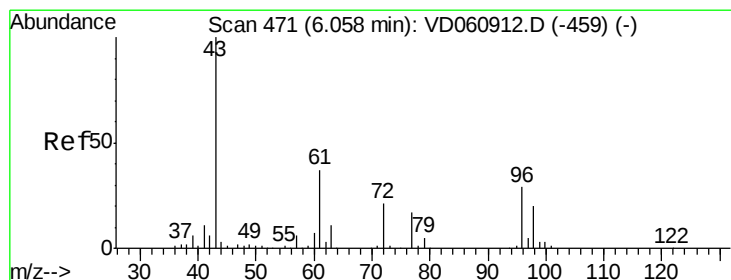
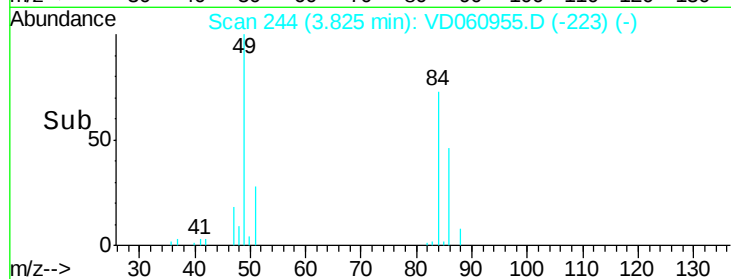
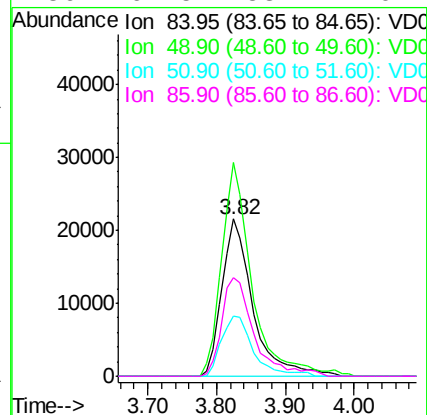
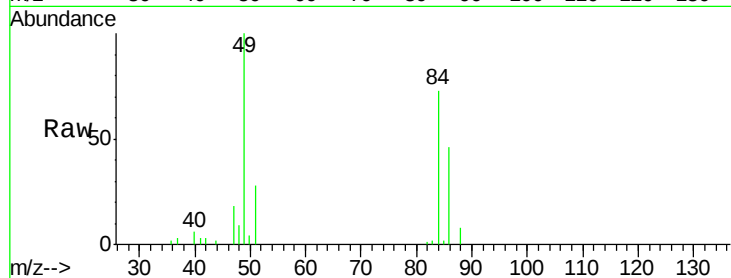




#20
Methvlene Chloride
Concen: 7.768 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD060955.D
Acq: 5 Mar 2019 18:12

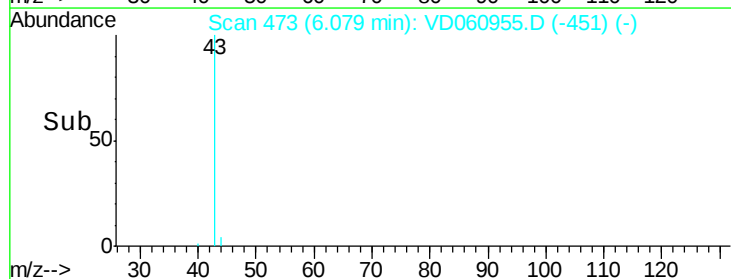
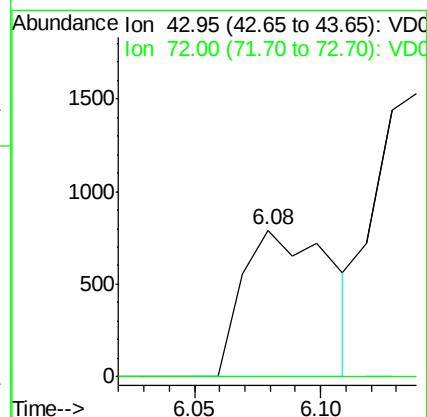
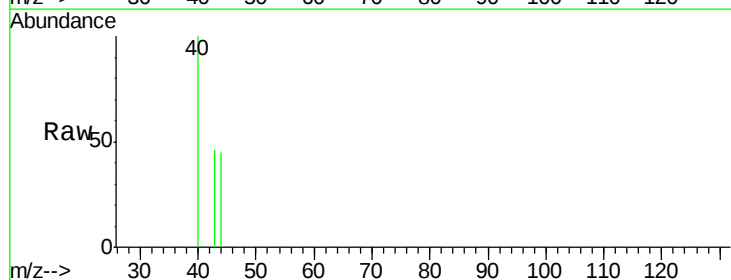
Instrument :
MSVOA_D
ClientSampleId :
SB-D-5-8

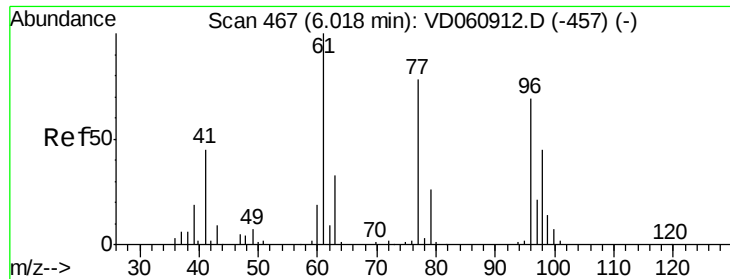
Tot Ion: 84 Resp: 67591
Ion Ratio Lower Upper
84 100
49 136.1 102.4 153.6
51 38.7 31.9 47.9
86 62.5 53.1 79.7



#25
2-Butanone
Concen: 1.192 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.02 min
Lab File: VD060955.D
Acq: 5 Mar 2019 18:12

Tgt Ion: 43 Resp: 1943
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.4#





#26

2,2-Dichloropropane

Concen: 1.641 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.15 min

Lab File: VD060955.D

Acq: 5 Mar 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

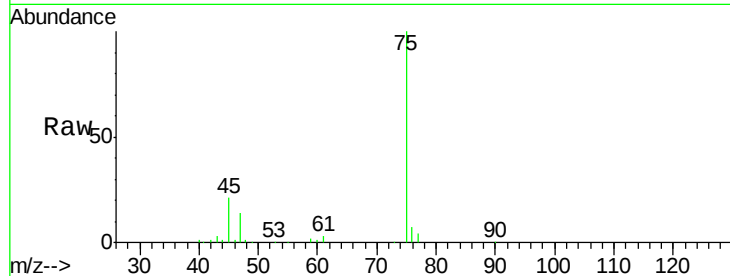
SB-D-5-8

Tot Ion: 77 Resp: 12303

Ion Ratio Lower Upper

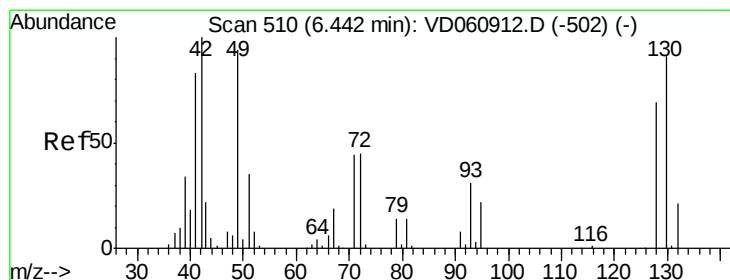
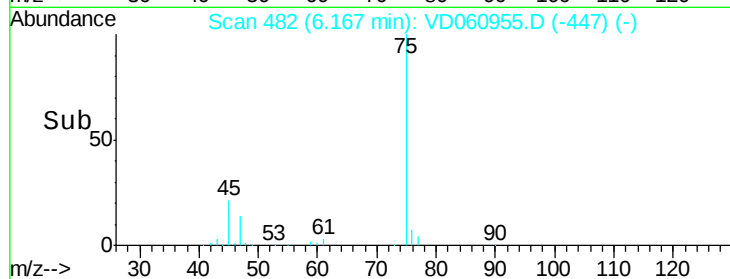
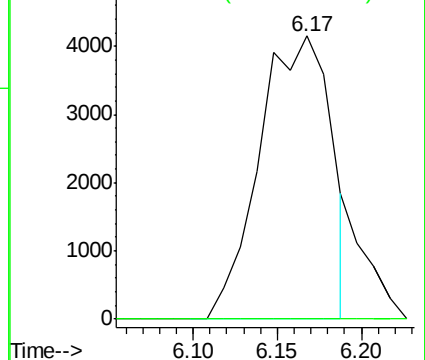
77 100

97 0.0 13.5 40.4#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



#29

Tetrahydrofuran

Concen: 3.411 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD060955.D

Acq: 5 Mar 2019 18:12

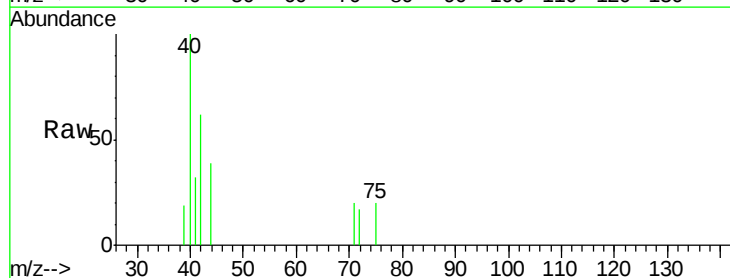
Tgt Ion: 42 Resp: 2863

Ion Ratio Lower Upper

42 100

72 13.0 33.8 50.6#

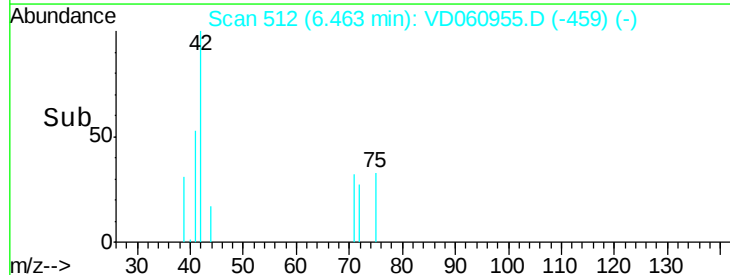
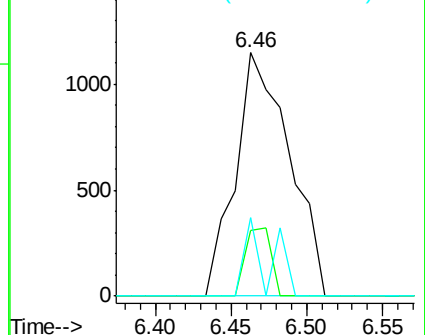
71 14.2 33.5 50.3#

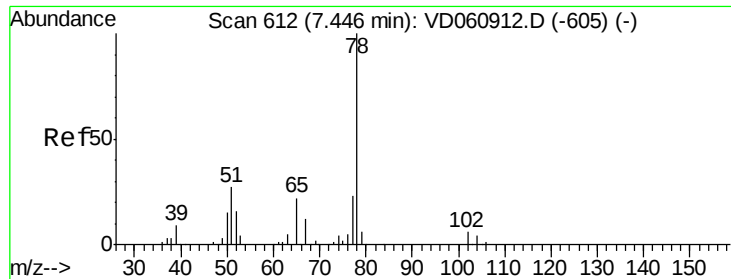


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

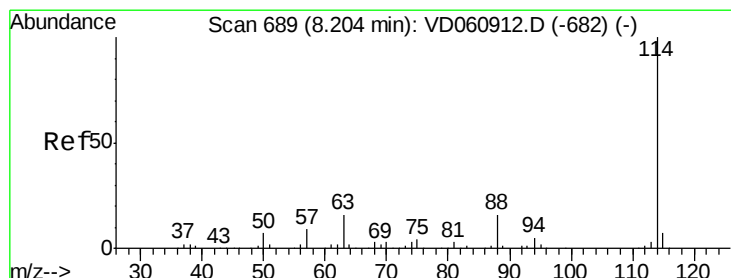
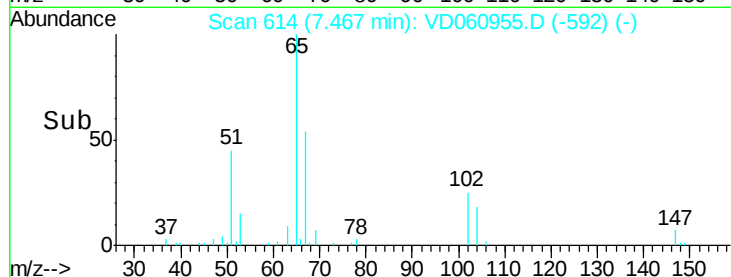
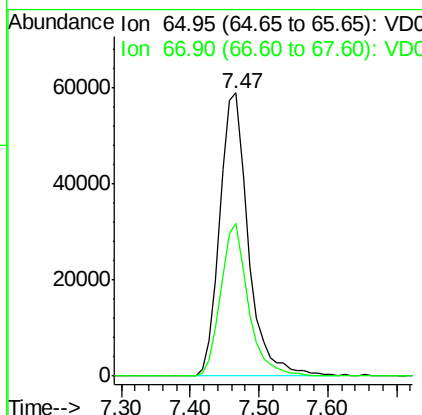
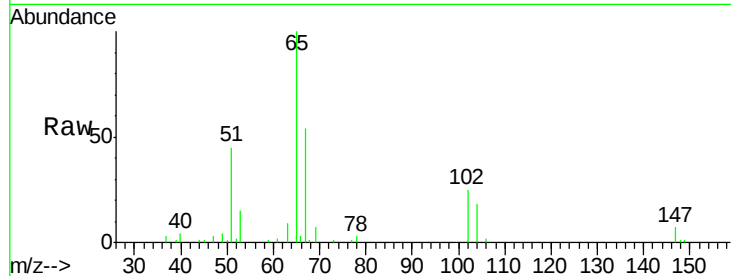




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD060955.D
 Acq: 5 Mar 2019 18:12

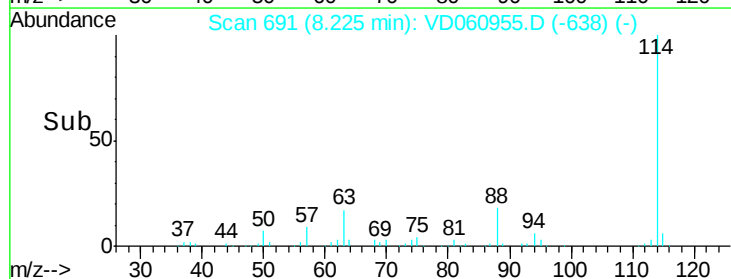
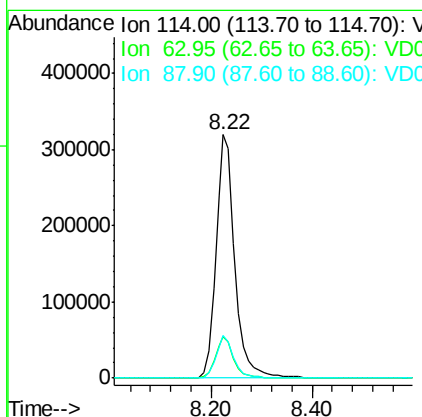
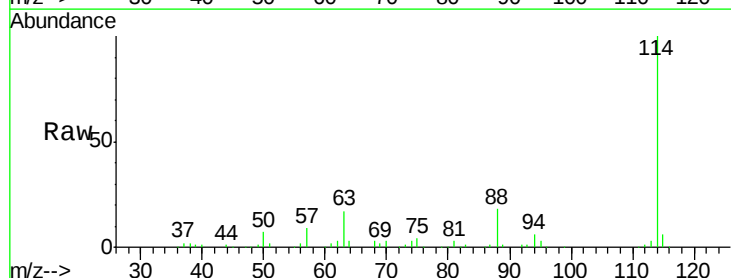
Instrument :
 MSVOA_D
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 SB-D-5-8

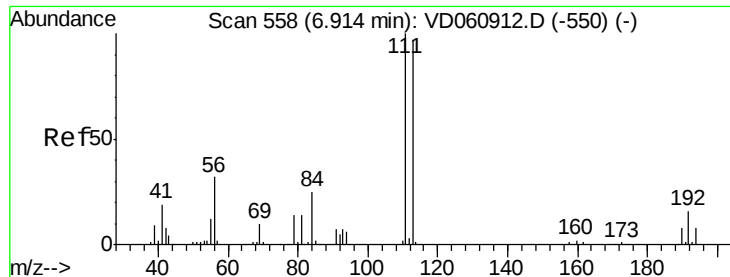
Tot Ion: 65 Resp: 169259
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD060955.D
 Acq: 5 Mar 2019 18:12

Tgt Ion: 114 Resp: 829873
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 32.0
 88 17.7 0.0 32.8

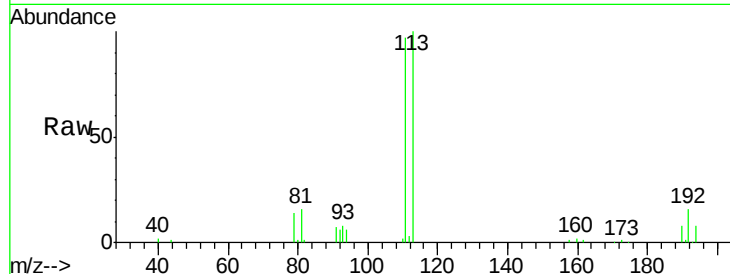




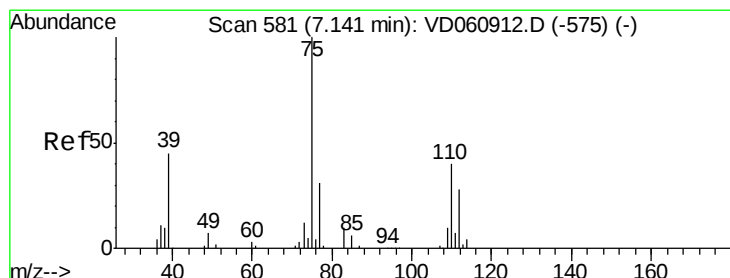
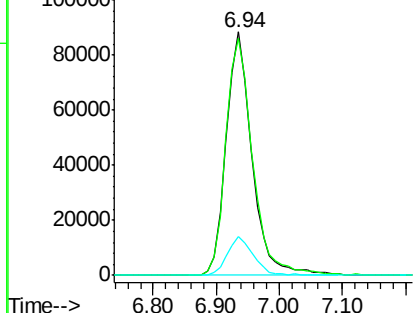
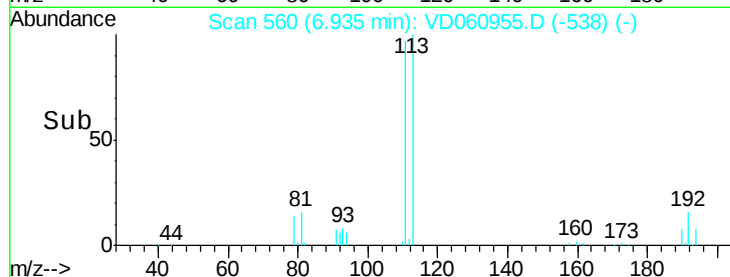
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD060955.D
 Acq: 5 Mar 2019 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-D-5-8

Tot Ion:113 Resp: 251091
 Ion Ratio Lower Upper
 113 100
 111 97.3 82.6 124.0
 192 15.8 13.4 20.2

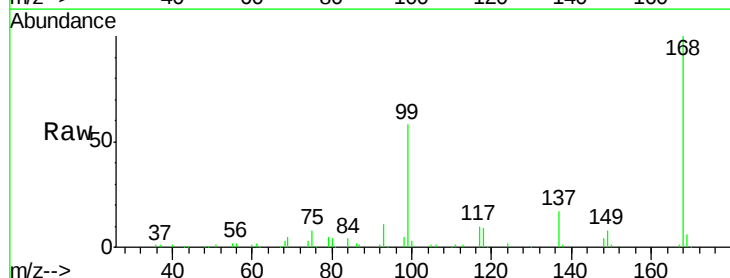


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

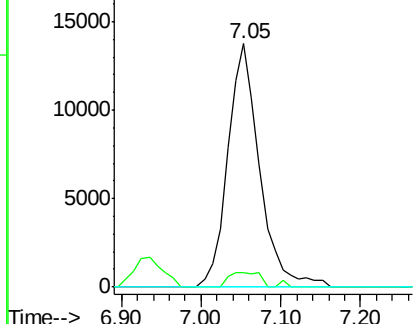
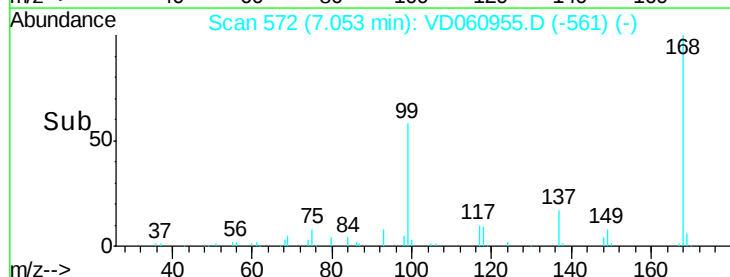


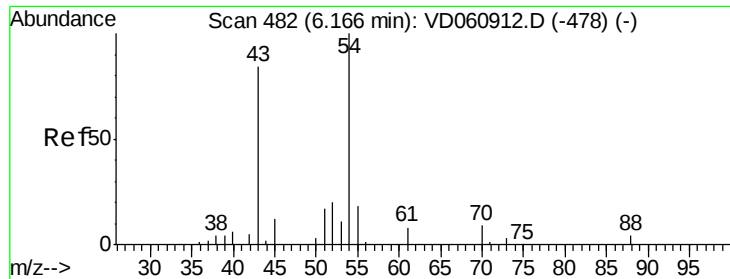
#36
 1,1-Dichloropropene
 Concen: 5.010 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD060955.D
 Acq: 5 Mar 2019 18:12

Tgt Ion: 75 Resp: 38228
 Ion Ratio Lower Upper
 75 100
 110 6.0 19.9 59.7#
 77 0.0 25.0 37.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 2.759 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.00 min

Lab File: VD060955.D

Acq: 5 Mar 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

SB-D-5-8

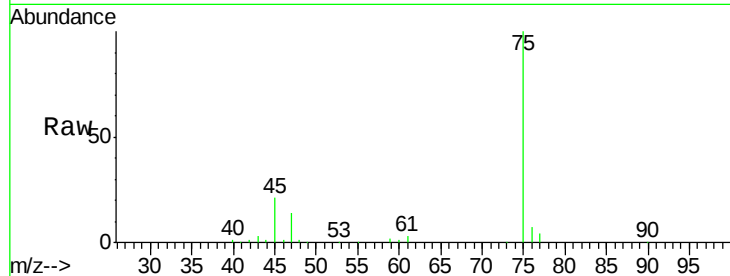
Tot Ion: 43 Resp: 10823

Ion Ratio Lower Upper

43 100

61 92.9 12.1 18.1#

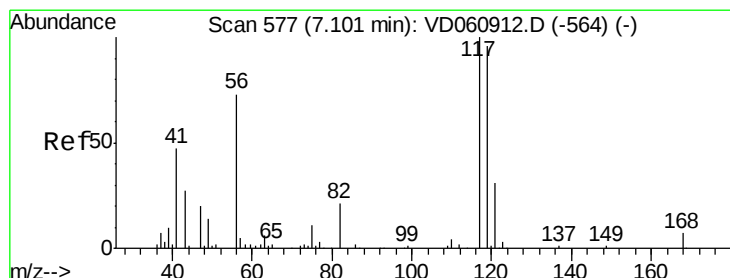
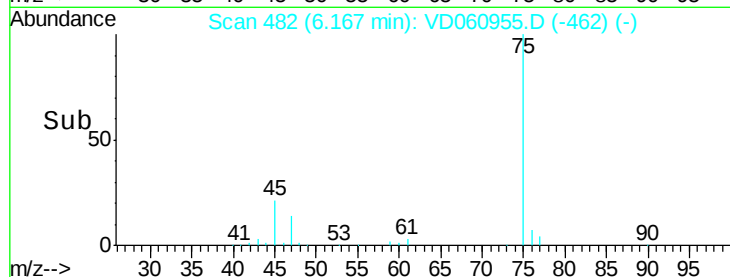
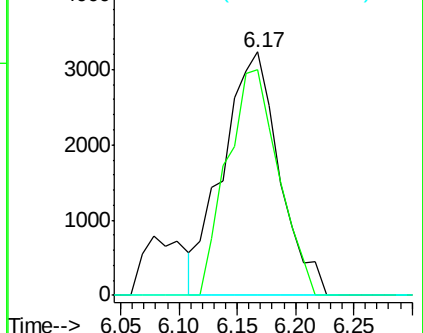
70 0.0 7.3 10.9#



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: 5.640 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.05 min

Lab File: VD060955.D

Acq: 5 Mar 2019 18:12

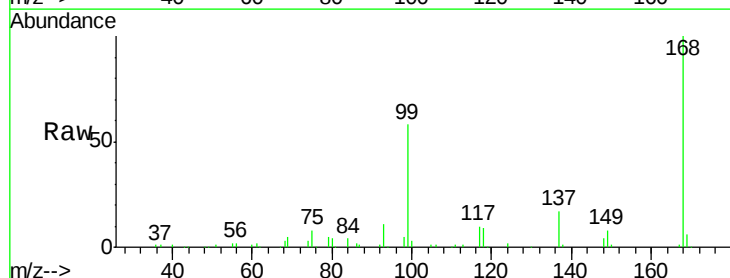
Tgt Ion: 117 Resp: 46236

Ion Ratio Lower Upper

117 100

119 3.0 76.9 115.3#

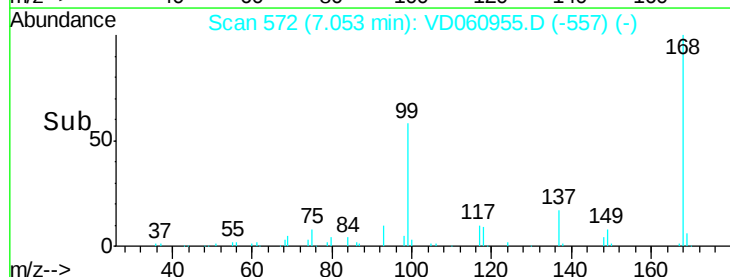
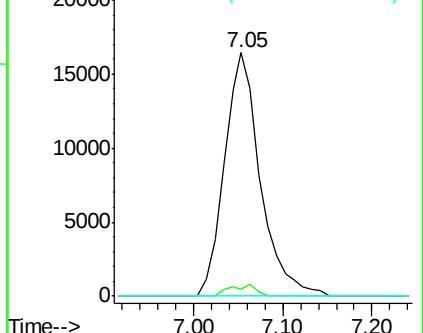
121 0.0 24.5 36.7#

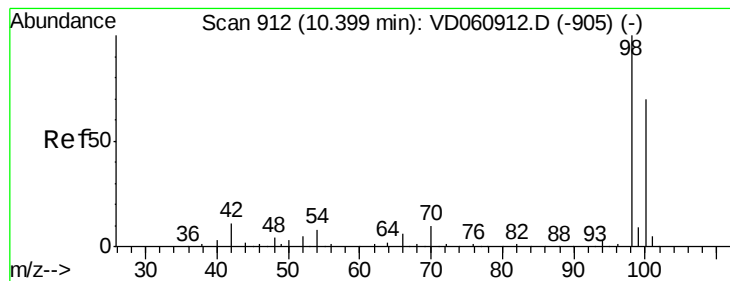


Abundance Ion 116.85 (116.55 to 117.55): V

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: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD060955.D

Acq: 5 Mar 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

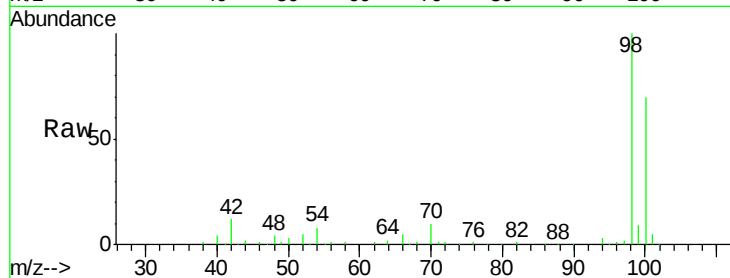
SB-D-5-8

Tot Ion: 98 Resp: 517902

Ion Ratio Lower Upper

98 100

100 70.1 57.0 85.4



Abundance Ion 98.05 (97.75 to 98.75): VD060912.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060912.D (-905) (-)

10.42

250000

200000

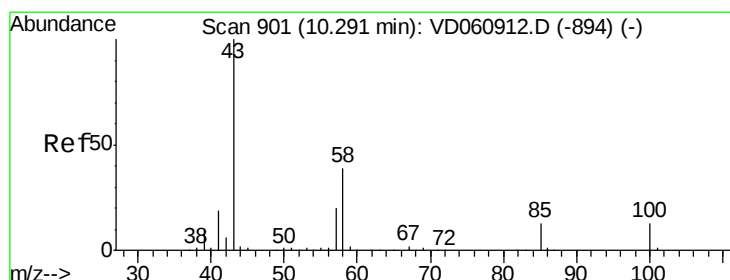
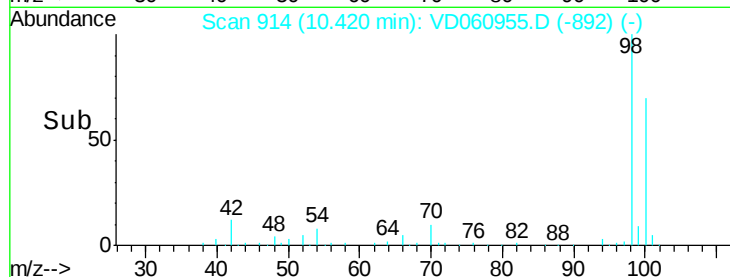
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.034 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060955.D

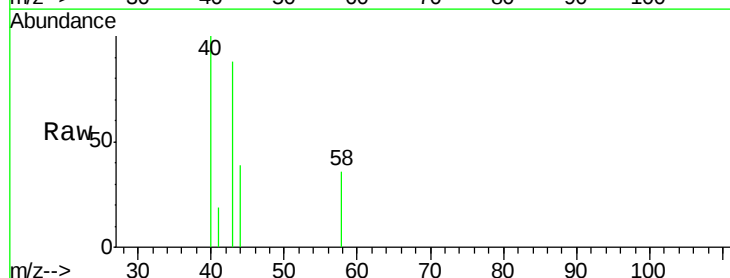
Acq: 5 Mar 2019 18:12

Tgt Ion: 43 Resp: 3442

Ion Ratio Lower Upper

43 100

58 41.3 31.0 46.6



Abundance Ion 42.95 (42.65 to 43.65): VD060912.D (-894) (-)

Ion 57.95 (57.65 to 58.65): VD060912.D (-894) (-)

10.30

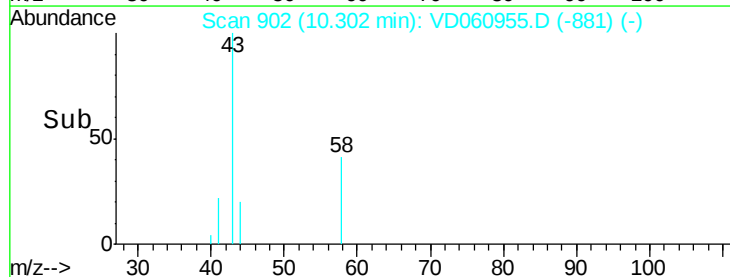
1500

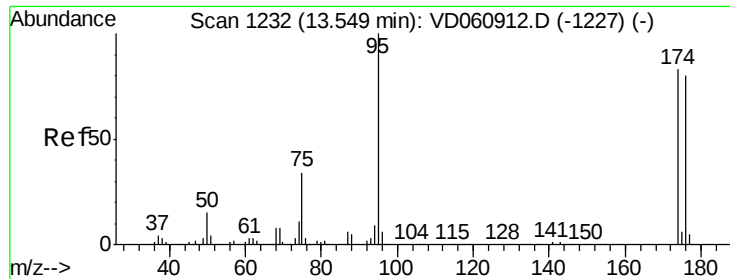
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060955.D

Acq: 5 Mar 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

SB-D-5-8

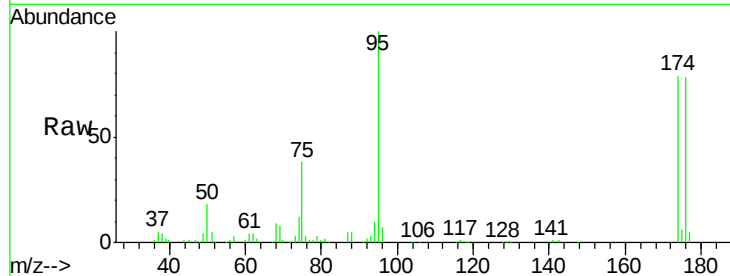
Tot Ion: 95 Resp: 235817

Ion Ratio Lower Upper

95 100

174 79.3 0.0 165.6

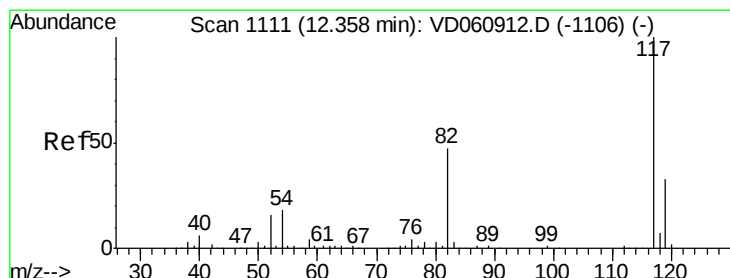
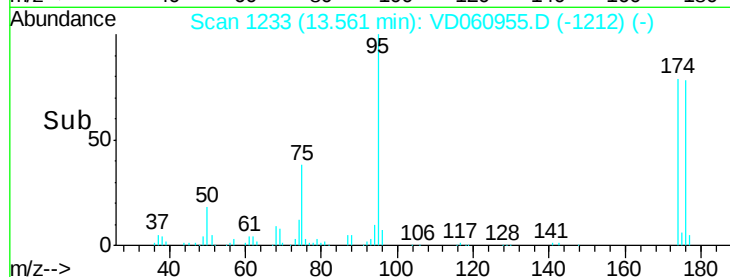
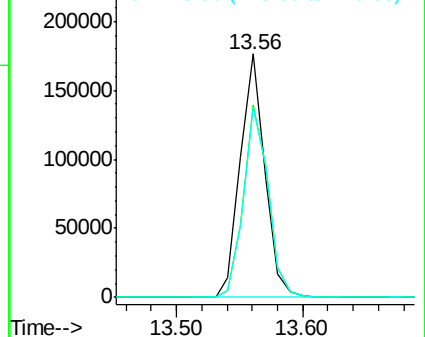
176 78.1 0.0 160.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD060955.D

Acq: 5 Mar 2019 18:12

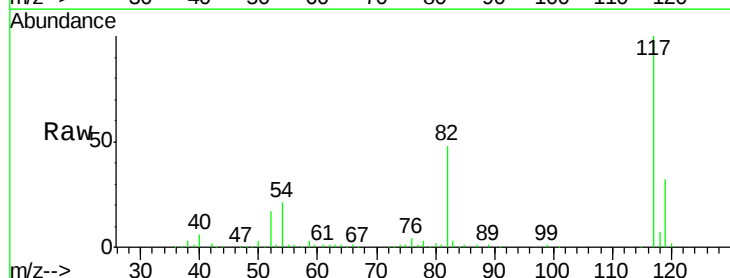
Tgt Ion: 117 Resp: 735982

Ion Ratio Lower Upper

117 100

82 48.4 37.5 56.3

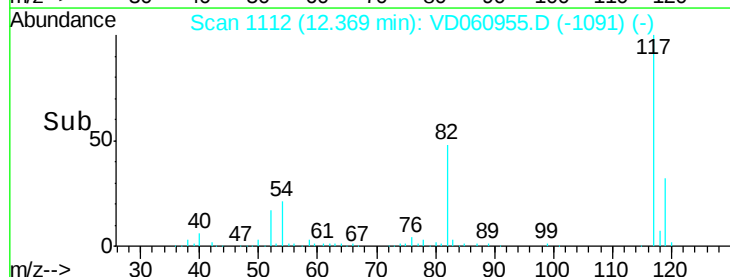
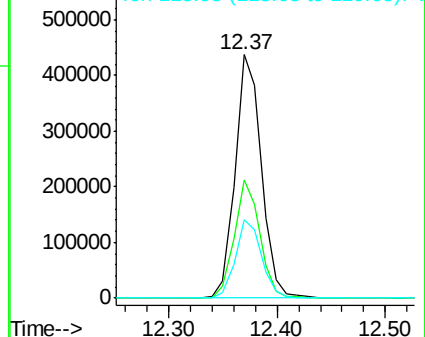
119 32.2 26.2 39.2

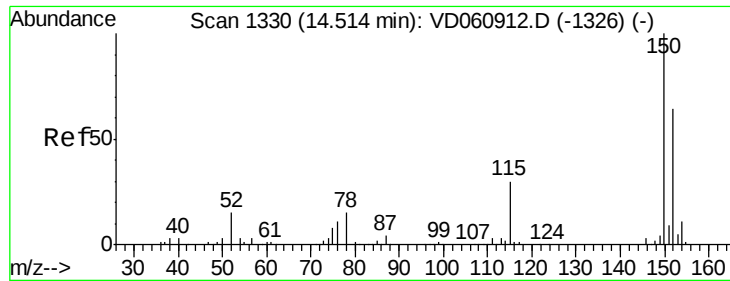


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060955.D

Acq: 5 Mar 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

SB-D-5-8

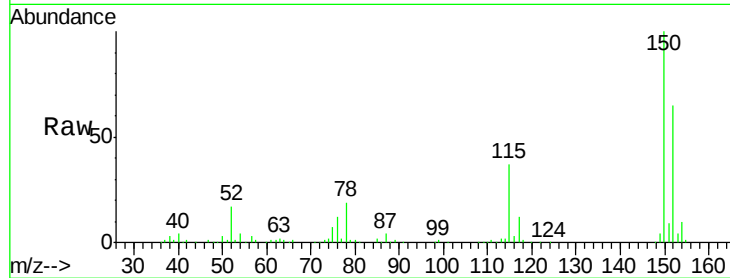
Tot Ion:152 Resp: 317928

Ion Ratio Lower Upper

152 100

115 56.3 27.6 82.8

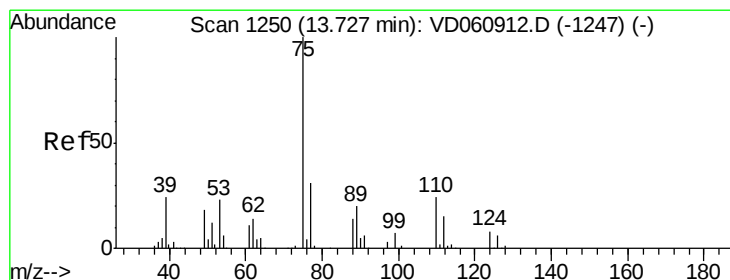
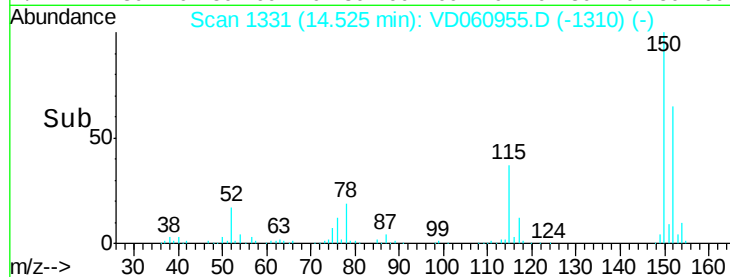
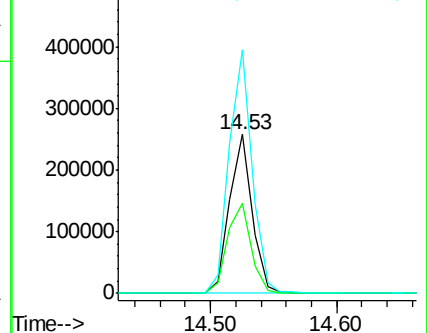
150 153.1 0.0 312.8



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



#76

1,2,3-Trichloropropane

Concen: 11.904 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD060955.D

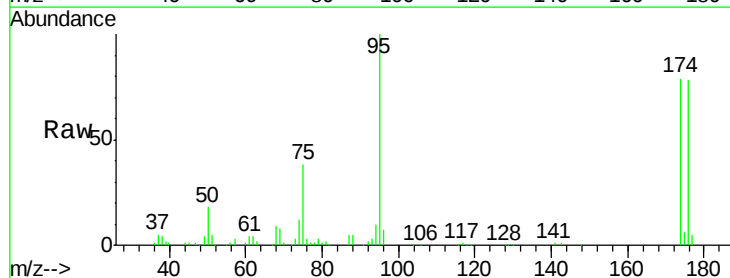
Acq: 5 Mar 2019 18:12

Tgt Ion: 75 Resp: 61321

Ion Ratio Lower Upper

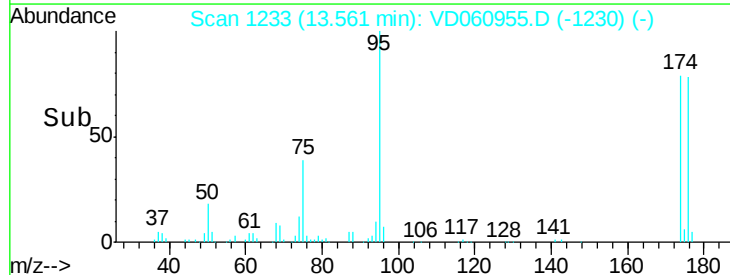
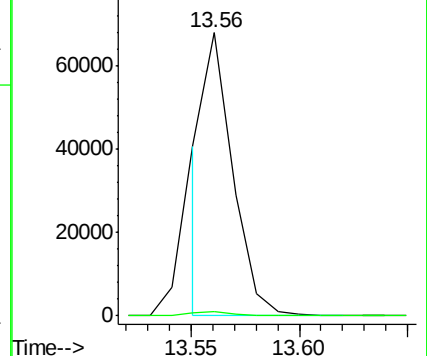
75 100

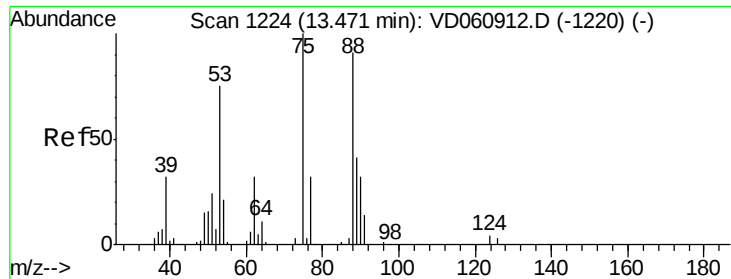
77 1.4 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 58.648 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060955.D

Acq: 5 Mar 2019 18:12

Instrument :

MSVOA_D

ClientSampleId :

SB-D-5-8

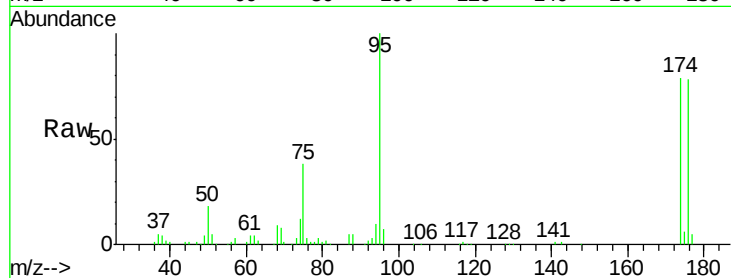
Tot Ion: 75 Resp: 89412

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.6#

89 0.0 33.0 49.6#



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

