

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060930.D
 Acq On : 4 Mar 2019 18:18
 Operator : VA/AP
 Sample : K1714-03
 Misc : 6.67g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Mar 05 01:33:52 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	7.06	168	608983	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1072828	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	866966	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	387191	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	201637	40.05	ug/l	0.02
Spiked Amount			Recovery	=	80.10%	
35) Dibromofluoromethane	6.94	113	329237	38.28	ug/l	0.03
Spiked Amount			Recovery	=	76.56%	
50) Toluene-d8	10.42	98	734807	34.33	ug/l	0.02
Spiked Amount			Recovery	=	68.66%	
62) 4-Bromofluorobenzene	13.56	95	312780	38.67	ug/l	0.00
Spiked Amount			Recovery	=	77.34%	

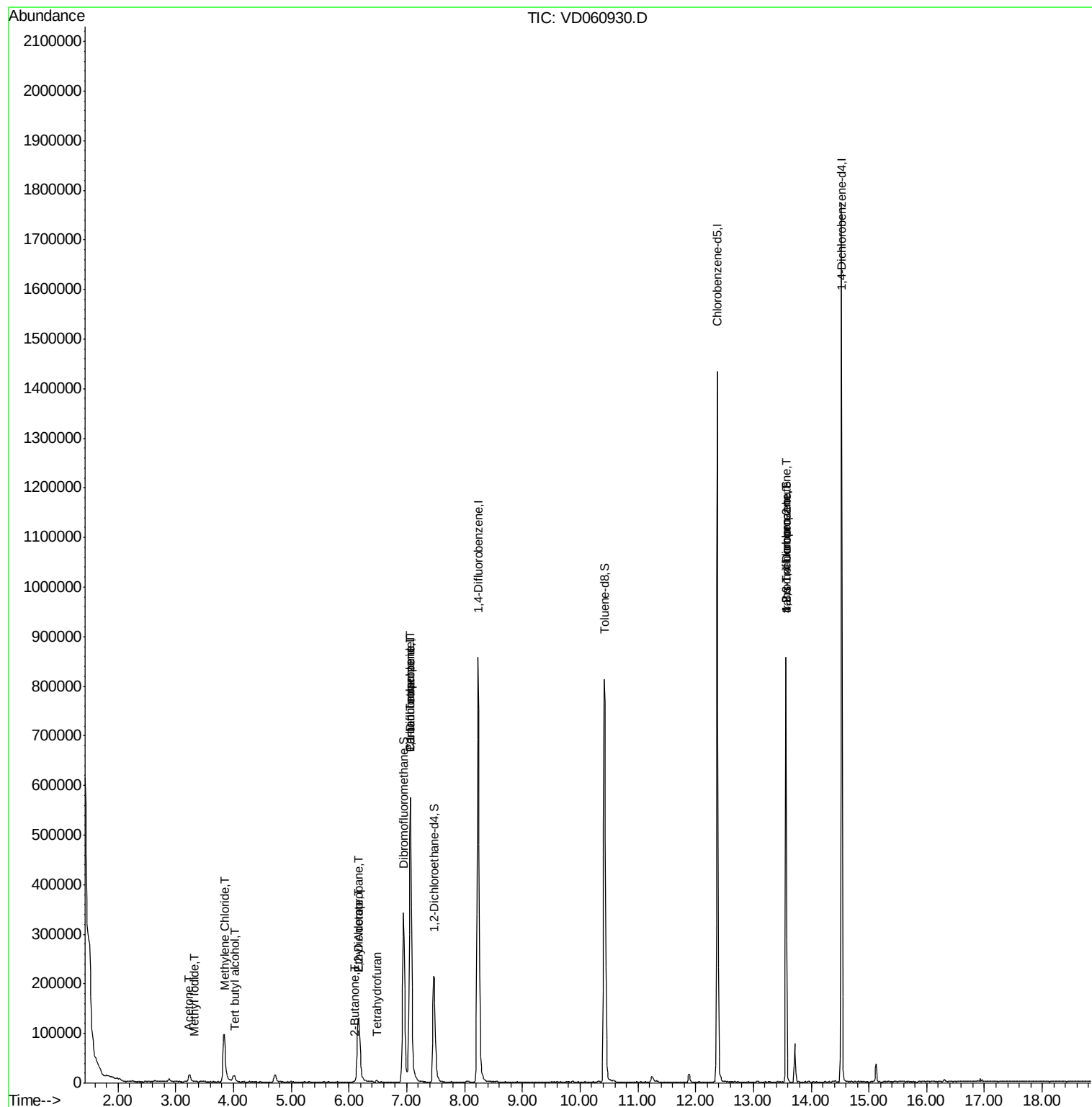
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.33	142	537	4.784	ug/l #	40
11) Tert butyl alcohol	4.02	59	13330	35.526	ug/l #	77
16) Acetone	3.23	43	30777	18.310	ug/l	97
20) Methylene Chloride	3.84	84	78239	6.659	ug/l	96
25) 2-Butanone	6.10	43	2645	1.268	ug/l #	55
26) 2,2-Dichloropropane	6.16	77	9939	1.037	ug/l #	48
29) Tetrahydrofuran	6.48	42	2793	2.602	ug/l #	47
36) 1,1-Dichloropropene	7.06	75	46178	4.682	ug/l #	46
37) Ethyl Acetate	6.16	43	8214	1.620	ug/l #	1
38) Carbon Tetrachloride	7.06	117	56535	5.335	ug/l #	15
76) 1,2,3-Trichloropropane	13.56	75	94200	15.015	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	109995	59.243	ug/l #	20
89) n-Butylbenzene	14.81	91	602	Below Cal	#	29

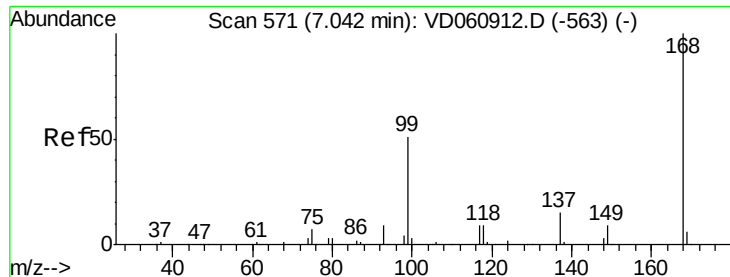
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060930.D
Acq On : 4 Mar 2019 18:18
Operator : VA/AP
Sample : K1714-03
Misc : 6.67g/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Mar 05 01:33:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD060930.D

Acq: 4 Mar 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

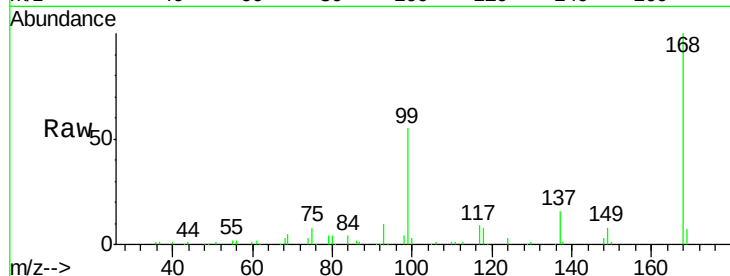
SB-A-5-8

Tot Ion:168 Resp: 608983

Ion Ratio Lower Upper

168 100

99 54.9 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

200000

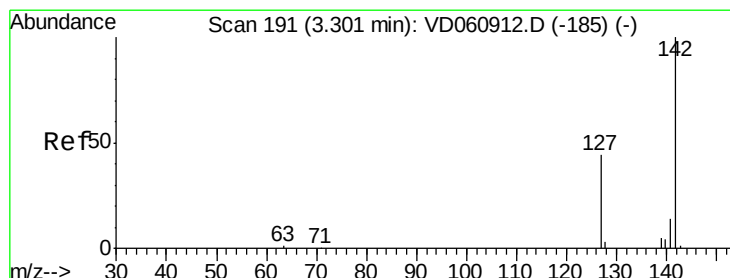
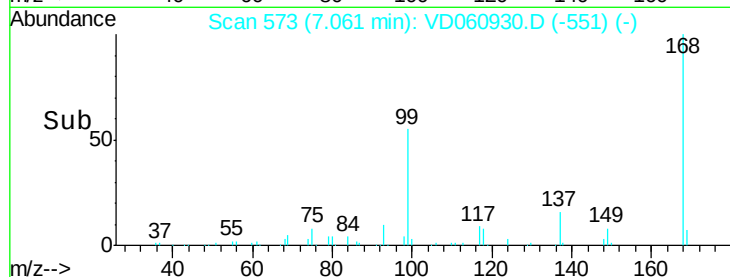
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 4.784 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.03 min

Lab File: VD060930.D

Acq: 4 Mar 2019 18:18

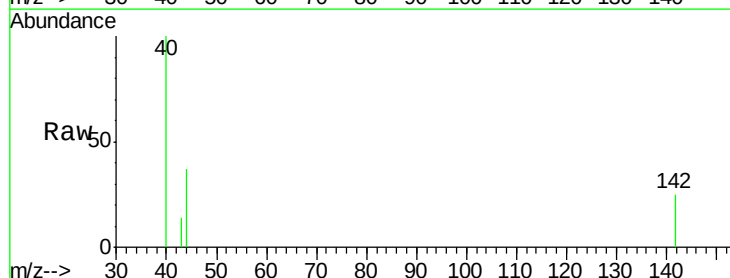
Tgt Ion:142 Resp: 537

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

3.33

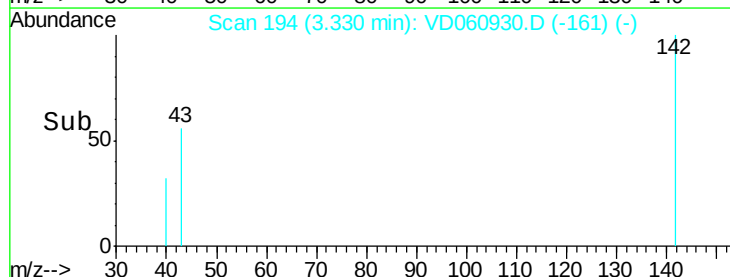
600

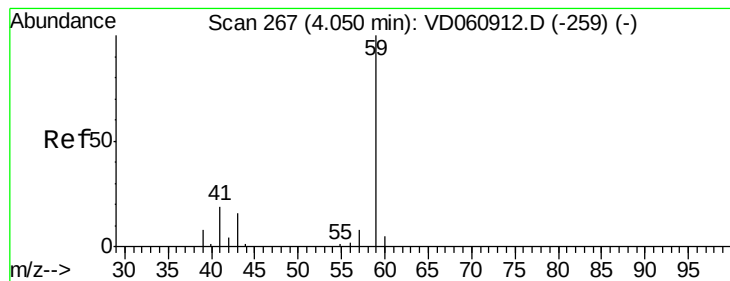
400

200

0

Time--> 3.30 3.32 3.34 3.36



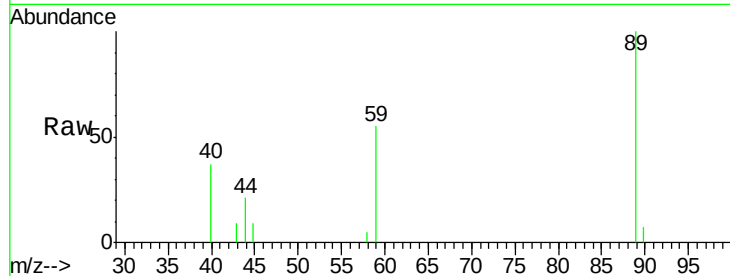


#11

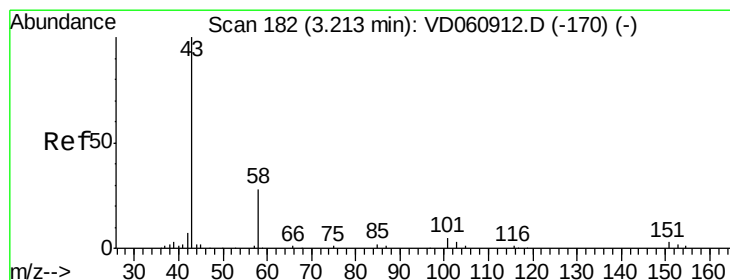
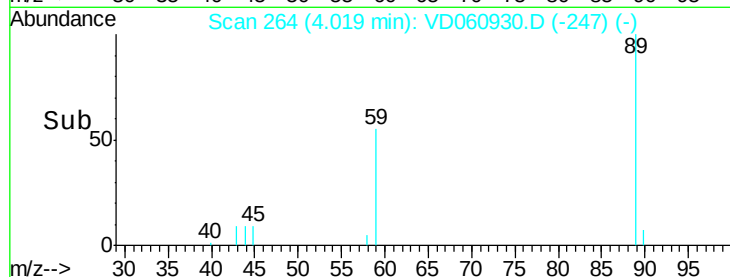
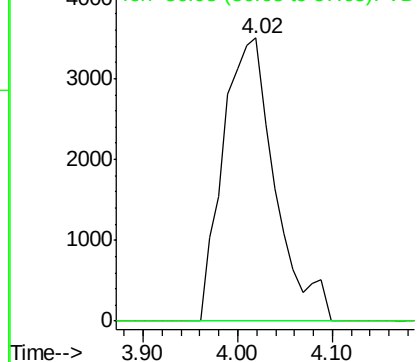
Tert butyl alcohol
 Concen: 35.526 ug/l
 RT: 4.02 min Scan# 264
 Delta R.T. -0.03 min
 Lab File: VD060930.D
 Acq: 4 Mar 2019 18:18

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

Tot Ion: 59 Resp: 13330
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.5 9.7#



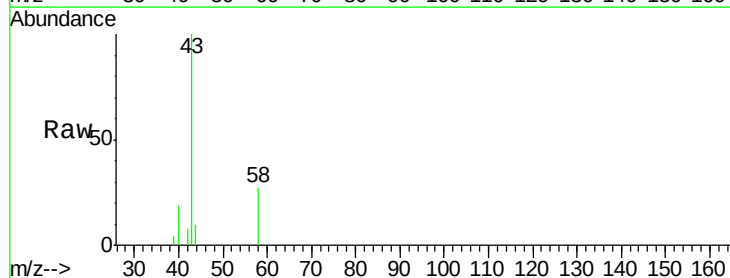
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



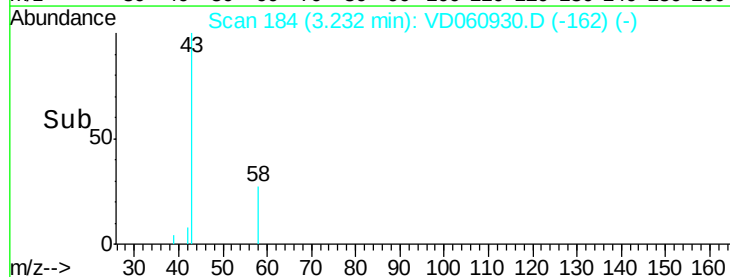
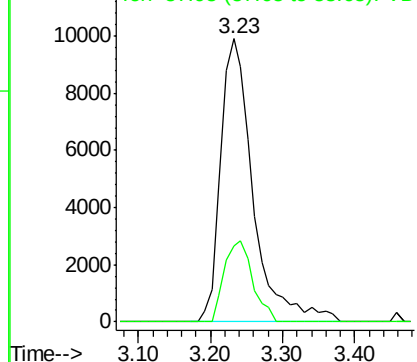
#16

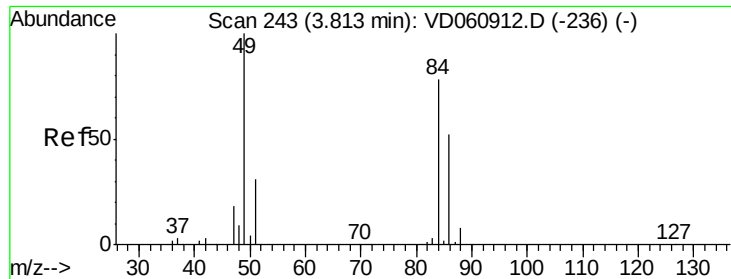
Acetone
 Concen: 18.310 ug/l
 RT: 3.23 min Scan# 184
 Delta R.T. 0.02 min
 Lab File: VD060930.D
 Acq: 4 Mar 2019 18:18

Tgt Ion: 43 Resp: 30777
 Ion Ratio Lower Upper
 43 100
 58 27.0 22.8 34.2



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

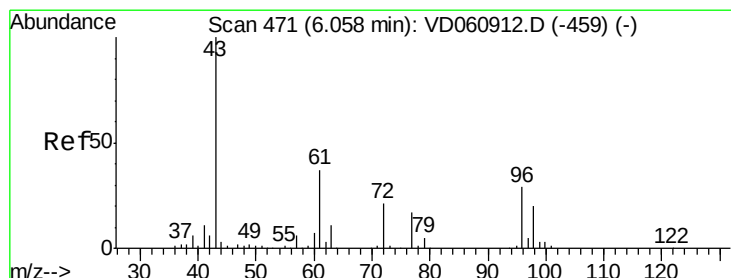
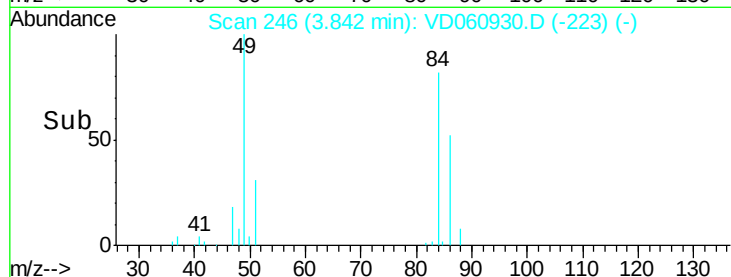
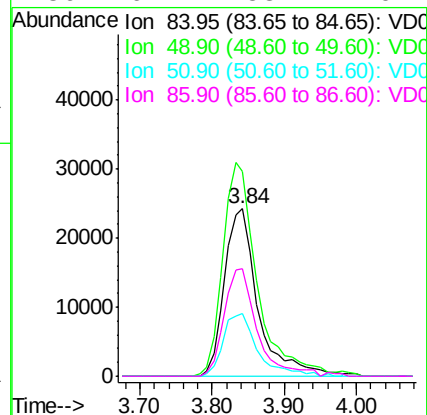
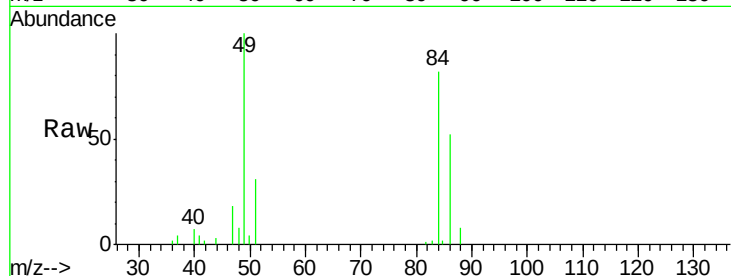




#20
Methylene Chloride
Concen: 6.659 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD060930.D
Acq: 4 Mar 2019 18:18

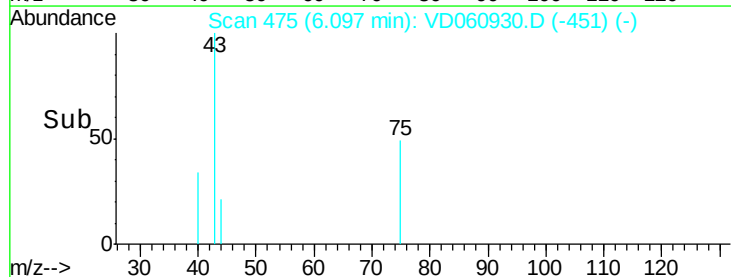
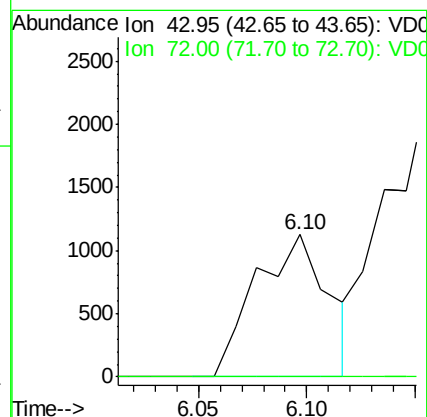
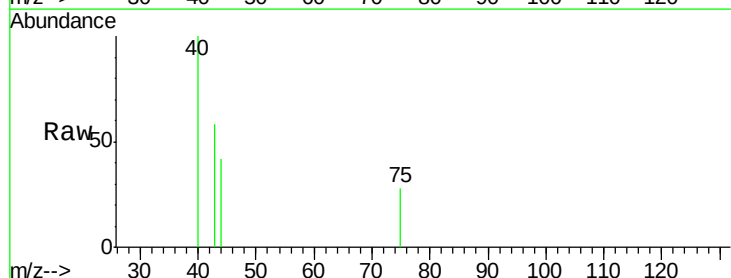
Instrument :
MSVOA_D
ClientSampleId :
SB-A-5-8

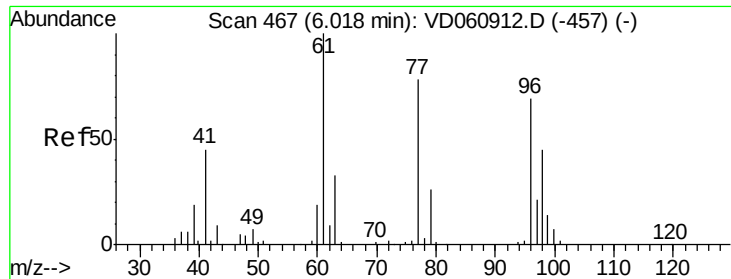
Tot Ion: 84 Resp: 78239
Ion Ratio Lower Upper
84 100
49 122.7 102.4 153.6
51 37.9 31.9 47.9
86 64.1 53.1 79.7



#25
2-Butanone
Concen: 1.268 ug/l
RT: 6.10 min Scan# 475
Delta R.T. 0.04 min
Lab File: VD060930.D
Acq: 4 Mar 2019 18:18

Tgt Ion: 43 Resp: 2645
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.4#

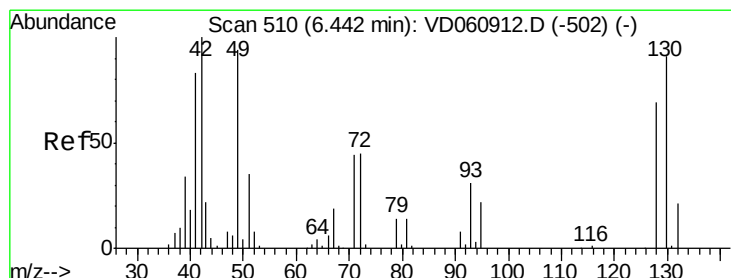
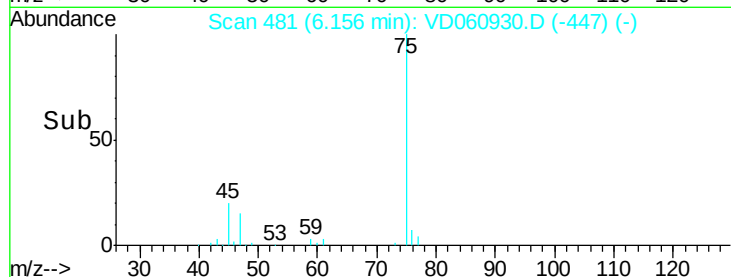
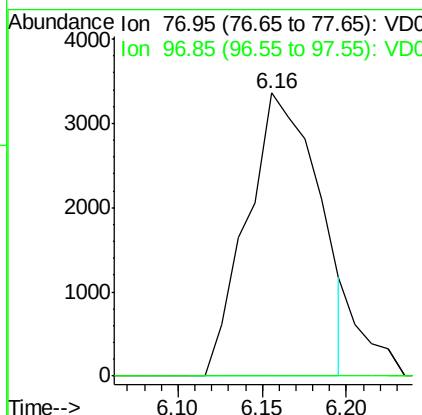
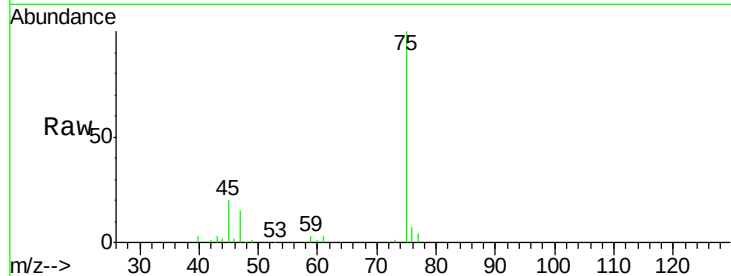




#26
 2,2-Dichloropropane
 Concen: 1.037 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. 0.14 min
 Lab File: VD060930.D
 Acq: 4 Mar 2019 18:18

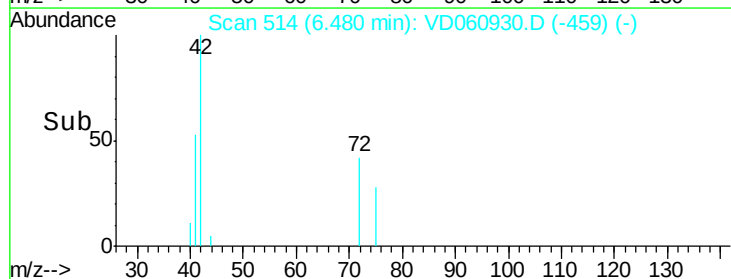
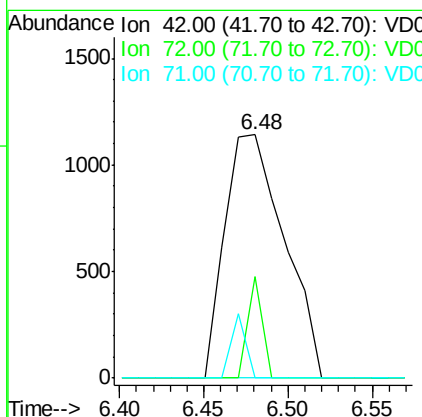
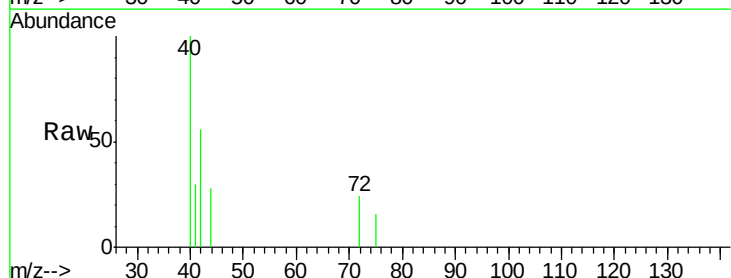
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-5-8

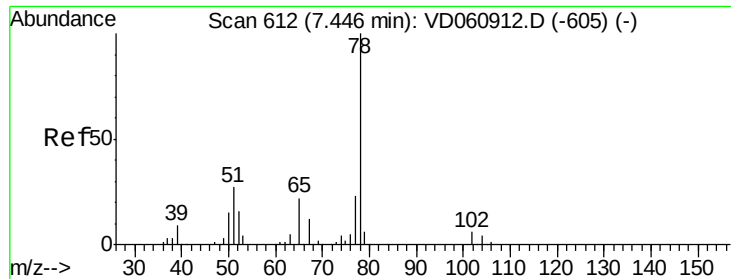
Tot Ion: 77 Resp: 9939
 Ion Ratio Lower Upper
 77 100
 97 0.0 13.5 40.4#



#29
 Tetrahydrofuran
 Concen: 2.602 ug/l
 RT: 6.48 min Scan# 514
 Delta R.T. 0.04 min
 Lab File: VD060930.D
 Acq: 4 Mar 2019 18:18

Tgt Ion: 42 Resp: 2793
 Ion Ratio Lower Upper
 42 100
 72 10.1 33.8 50.6#
 71 6.4 33.5 50.3#

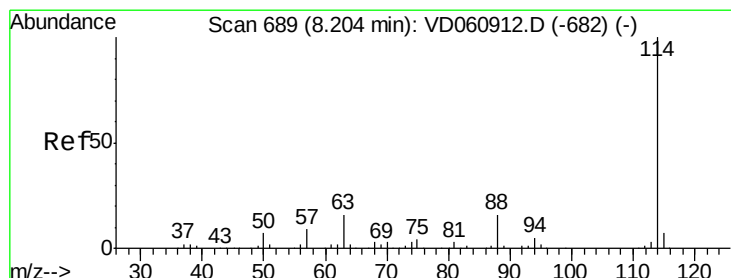
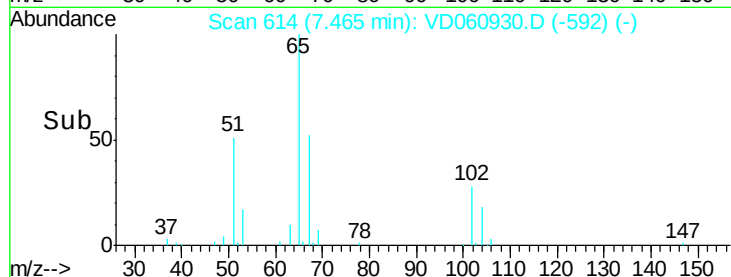
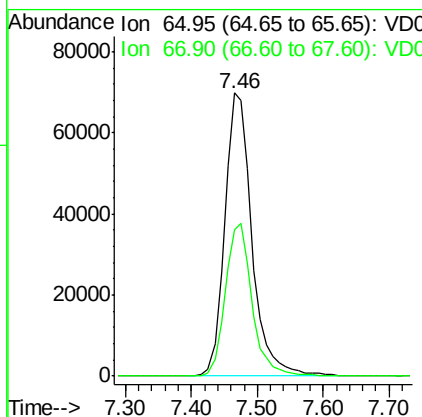
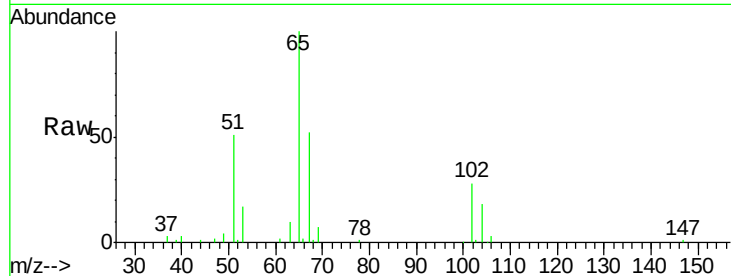




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD060930.D
 Acq: 4 Mar 2019 18:18

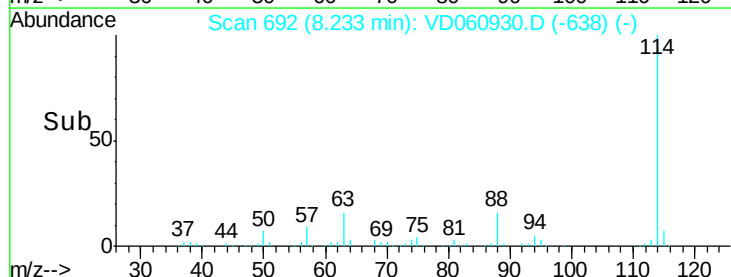
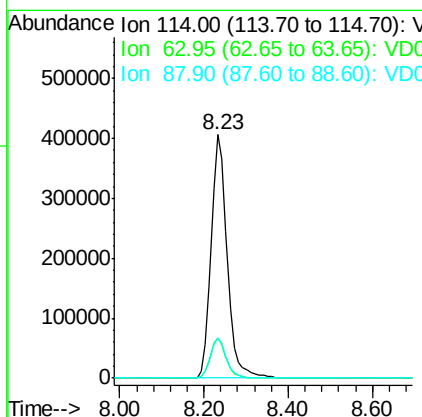
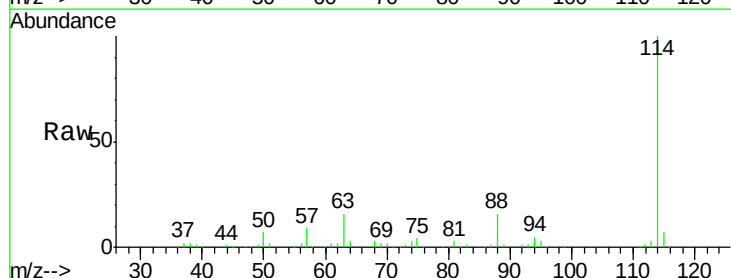
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-5-8

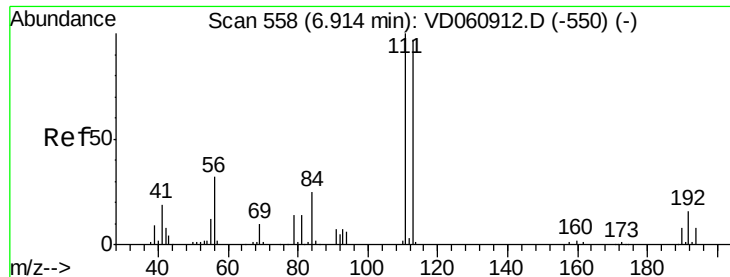
Tot Ion: 65 Resp: 201637
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD060930.D
 Acq: 4 Mar 2019 18:18

Tgt Ion: 114 Resp: 1072828
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 32.0
 88 16.4 0.0 32.8

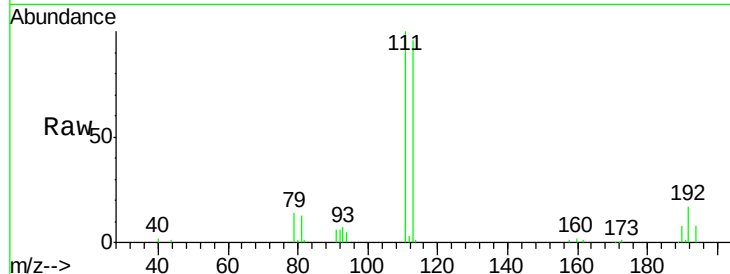




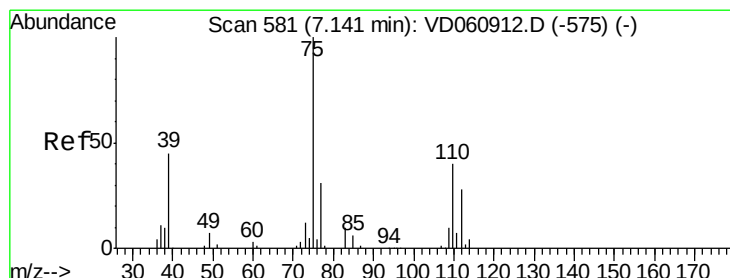
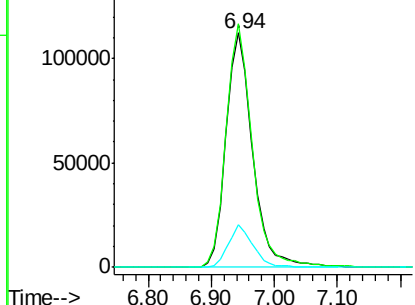
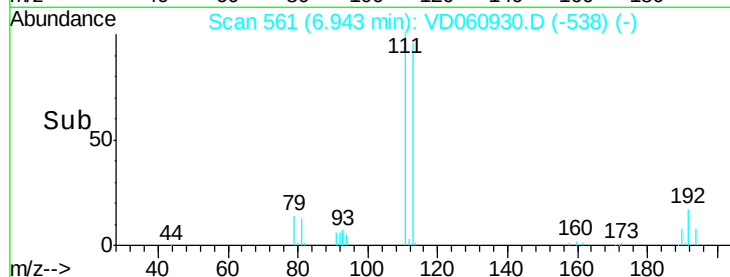
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.03 min
 Lab File: VD060930.D
 Acq: 4 Mar 2019 18:18

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

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.6	124.0
192	18.0	13.4	20.2

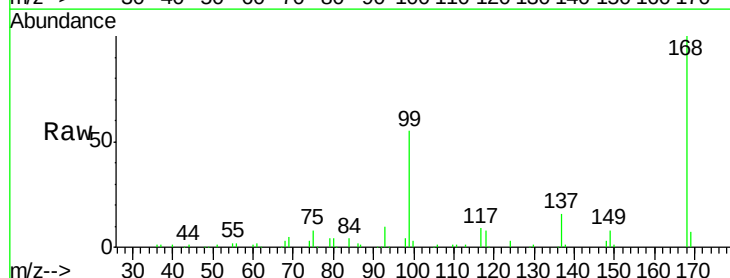


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

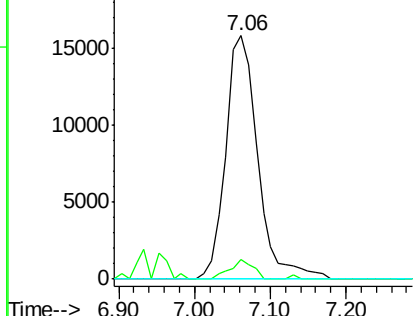
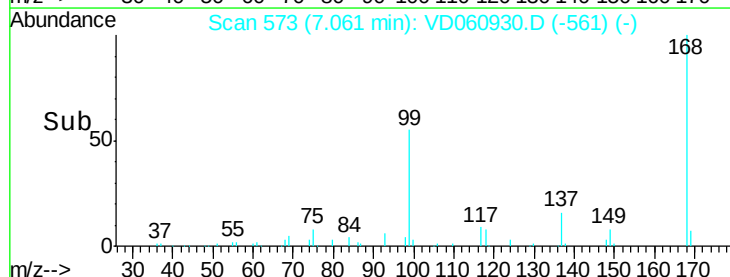


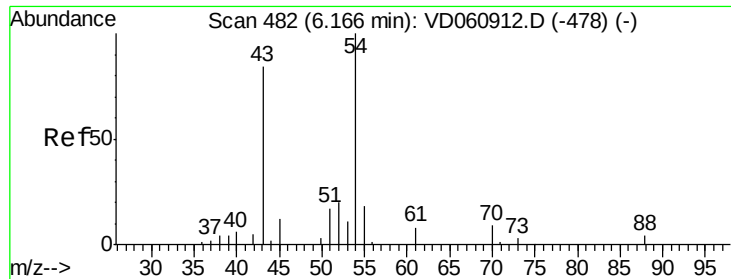
#36
 1,1-Dichloropropene
 Concen: 4.682 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD060930.D
 Acq: 4 Mar 2019 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	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

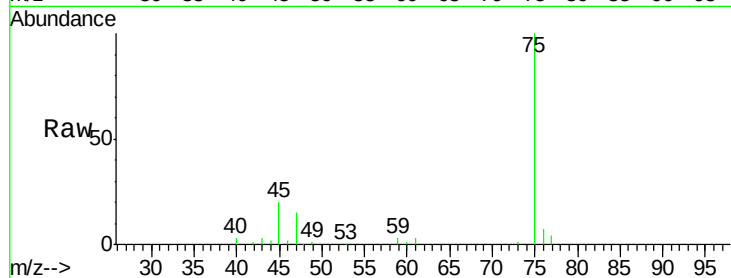




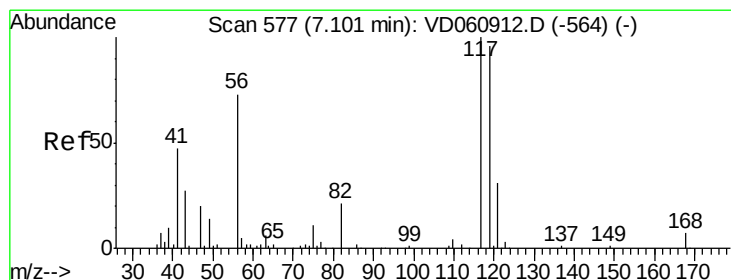
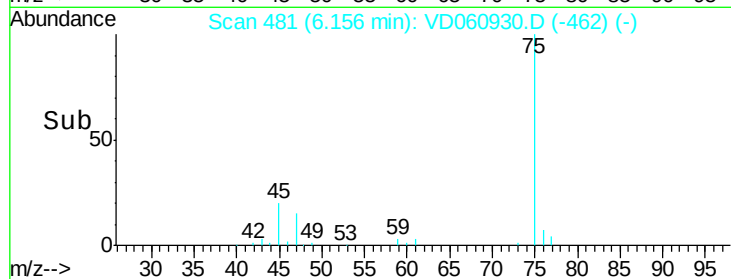
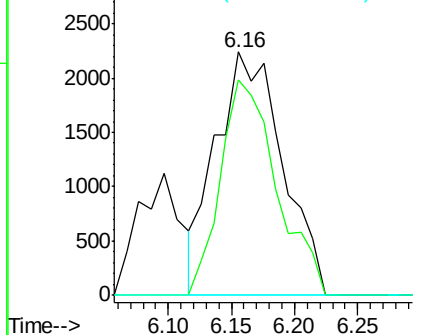
#37
Ethyl Acetate
Concen: 1.620 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD060930.D
Acq: 4 Mar 2019 18:18

Instrument :
MSVOA_D
ClientSampled :
SB-A-5-8

Tot Ion: 43 Resp: 8214
Ion Ratio Lower Upper
43 100
61 88.6 12.1 18.1#
70 0.0 7.3 10.9#

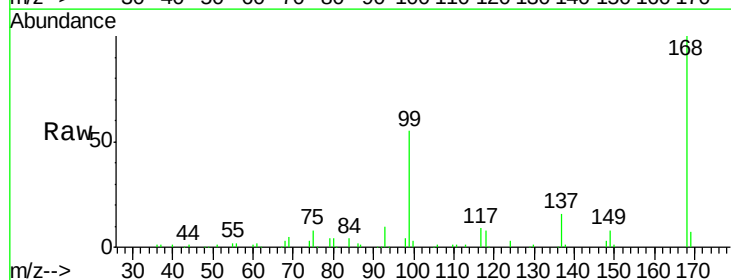


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

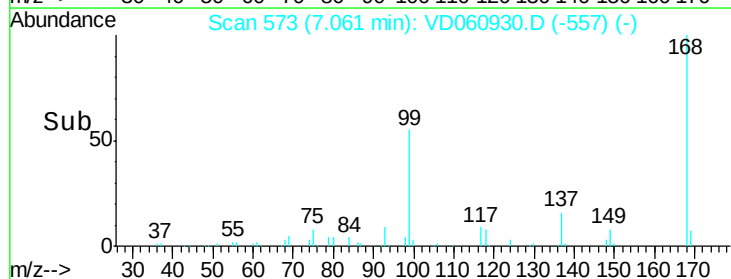
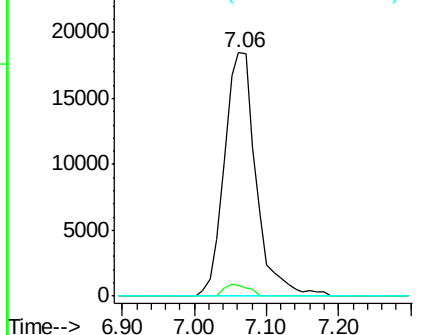


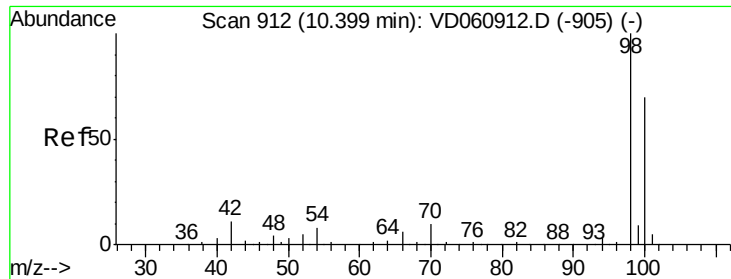
#38
Carbon Tetrachloride
Concen: 5.335 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD060930.D
Acq: 4 Mar 2019 18:18

Tgt Ion: 117 Resp: 56535
Ion Ratio Lower Upper
117 100
119 4.4 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: VD060930.D

Acq: 4 Mar 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

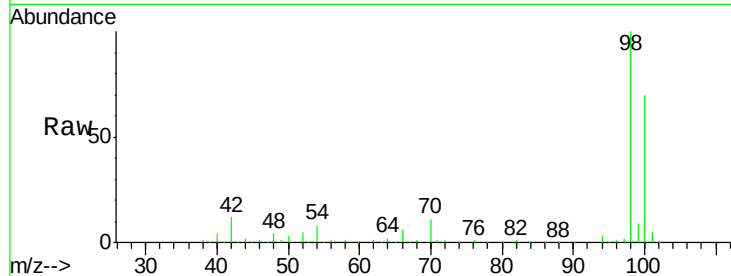
SB-A-5-8

Tot Ion: 98 Resp: 734807

Ion Ratio Lower Upper

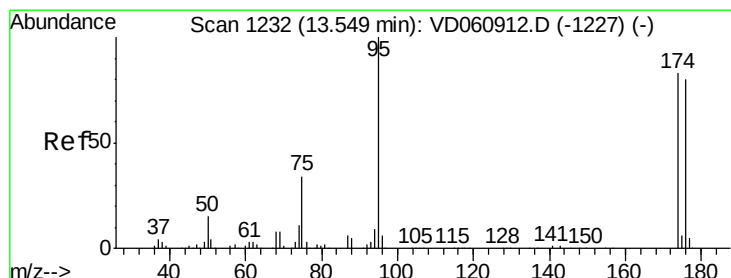
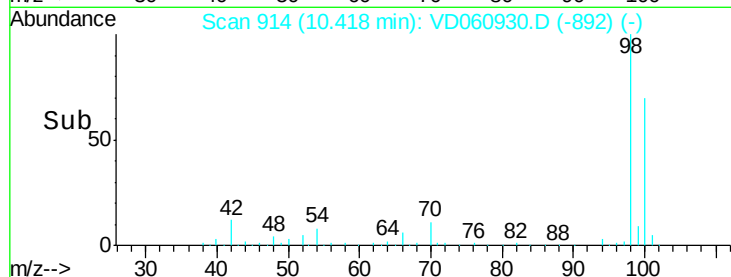
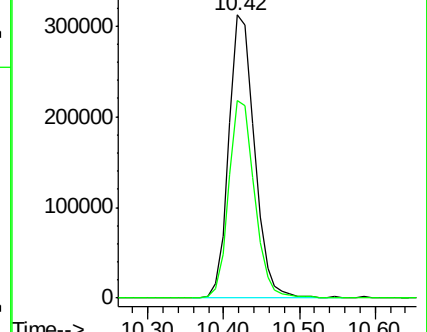
98 100

100 70.0 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) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060930.D

Acq: 4 Mar 2019 18:18

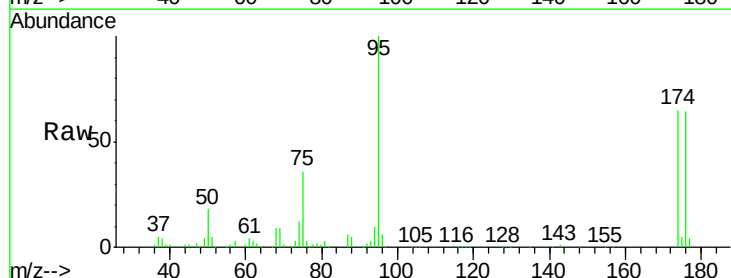
Tgt Ion: 95 Resp: 312780

Ion Ratio Lower Upper

95 100

174 64.9 0.0 165.6

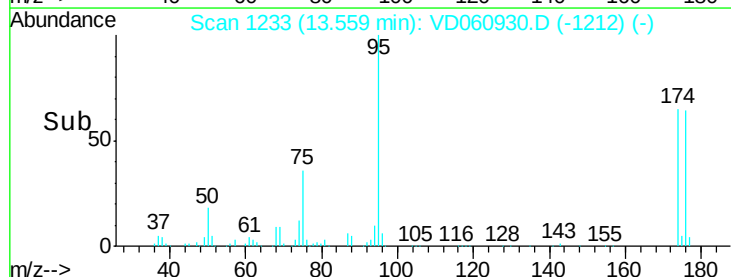
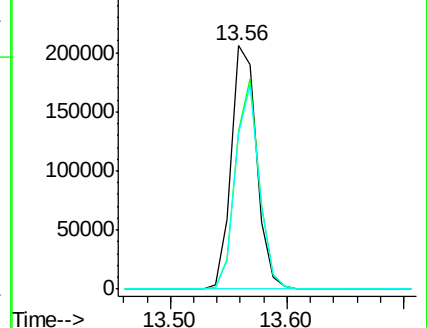
176 64.0 0.0 160.6

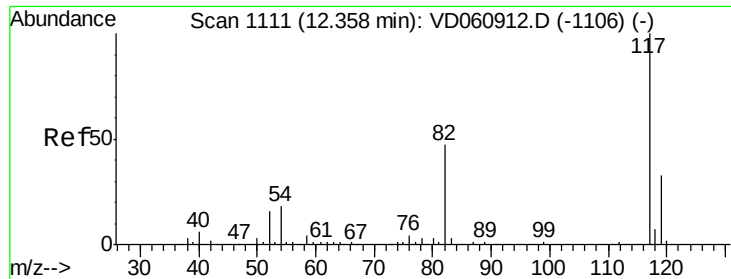


Abundance Ion 95.00 (94.70 to 95.70): VD060912.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060912.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060912.D (-1227) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD060930.D

Acq: 4 Mar 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

SB-A-5-8

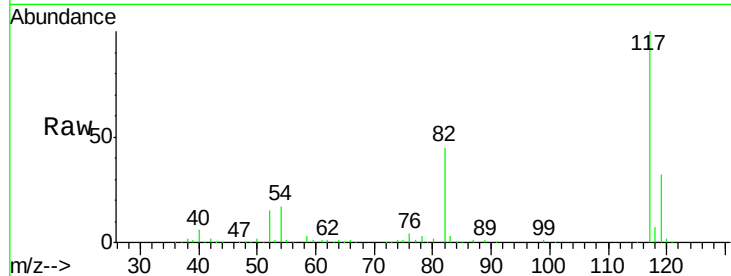
Tot Ion:117 Resp: 866966

Ion Ratio Lower Upper

117 100

82 45.1 37.5 56.3

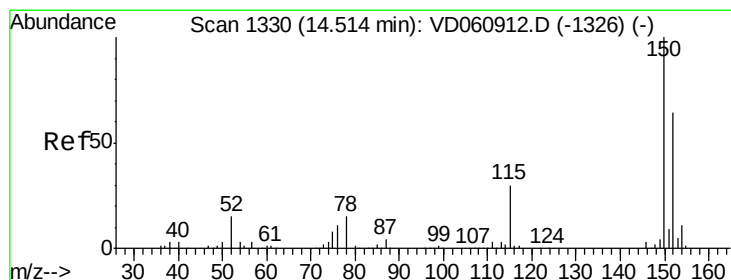
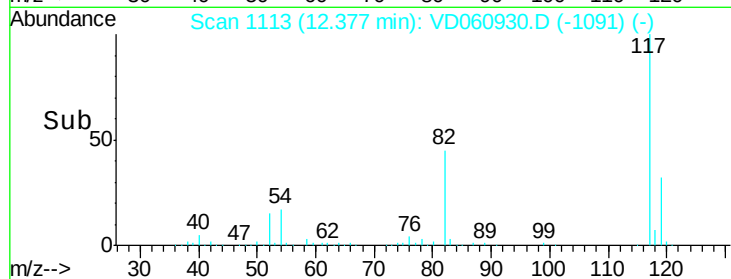
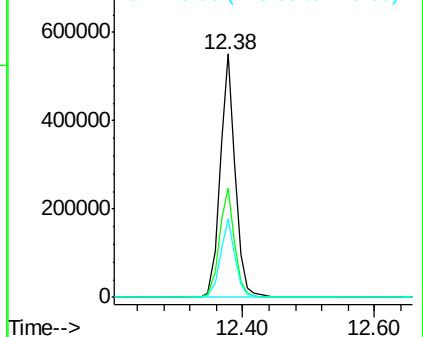
119 32.1 26.2 39.2



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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060930.D

Acq: 4 Mar 2019 18:18

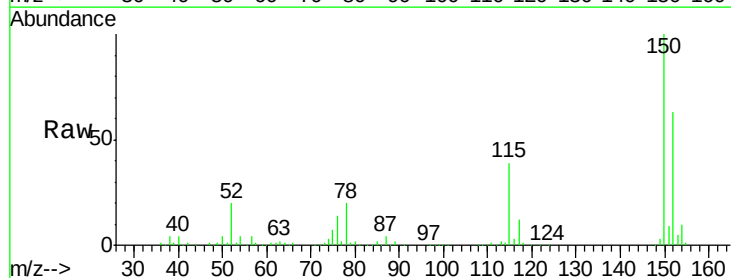
Tgt Ion:152 Resp: 387191

Ion Ratio Lower Upper

152 100

115 61.8 27.6 82.8

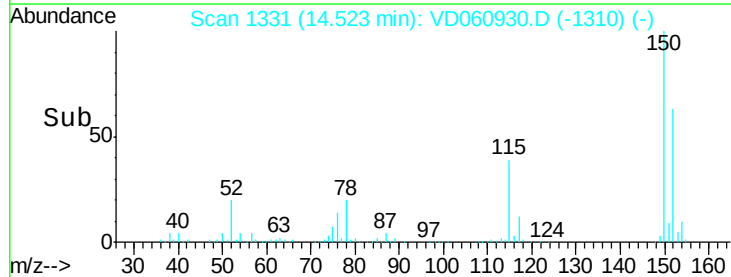
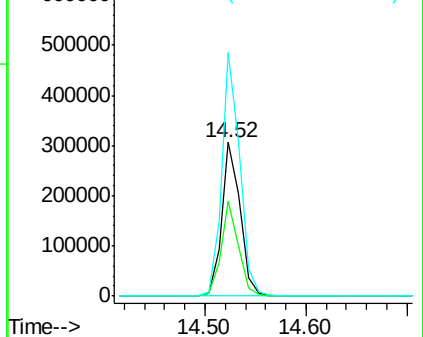
150 158.7 0.0 312.8

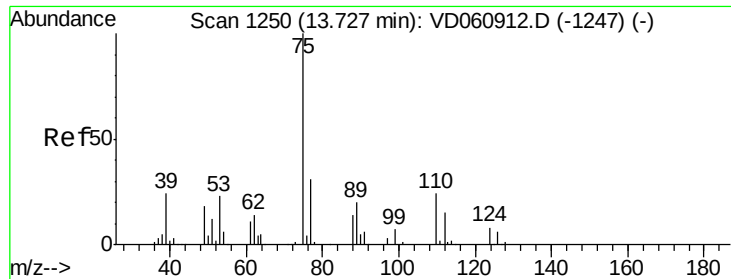


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 15.015 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD060930.D

Acq: 4 Mar 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

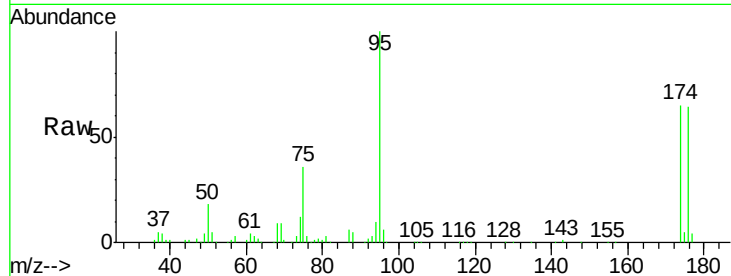
SB-A-5-8

Tot Ion: 75 Resp: 94200

Ion Ratio Lower Upper

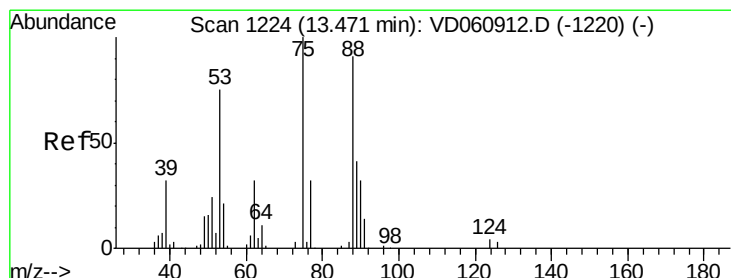
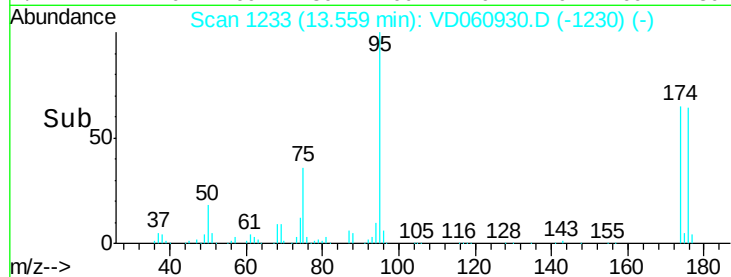
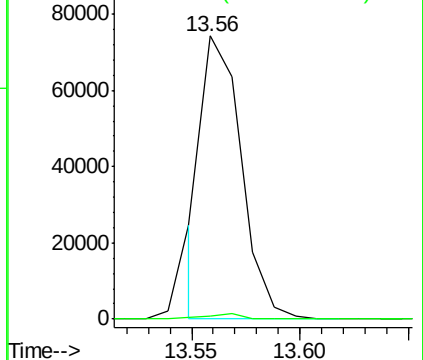
75 100

77 1.2 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: 59.243 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060930.D

Acq: 4 Mar 2019 18:18

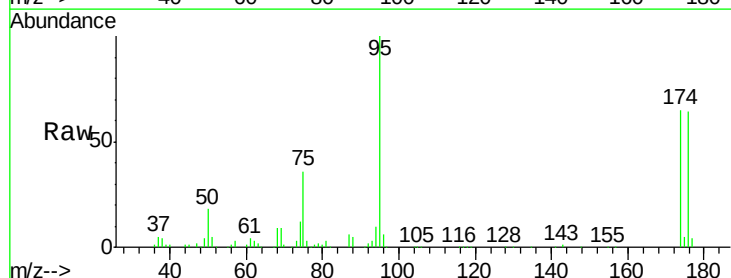
Tgt Ion: 75 Resp: 109995

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

