

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060933.D
 Acq On : 4 Mar 2019 19:41
 Operator : VA/AP
 Sample : K1714-06
 Misc : 7.17g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-14-18

Quant Time: Mar 05 01:34:26 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	7.07	168	14552	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	33256	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	34717	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	16175	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	12214	101.53	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	203.06%	
35) Dibromofluoromethane	6.94	113	14446	54.18	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	108.36%	
50) Toluene-d8	10.43	98	30916	46.60	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	93.20%	
62) 4-Bromofluorobenzene	13.56	95	16150	64.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	128.84%	

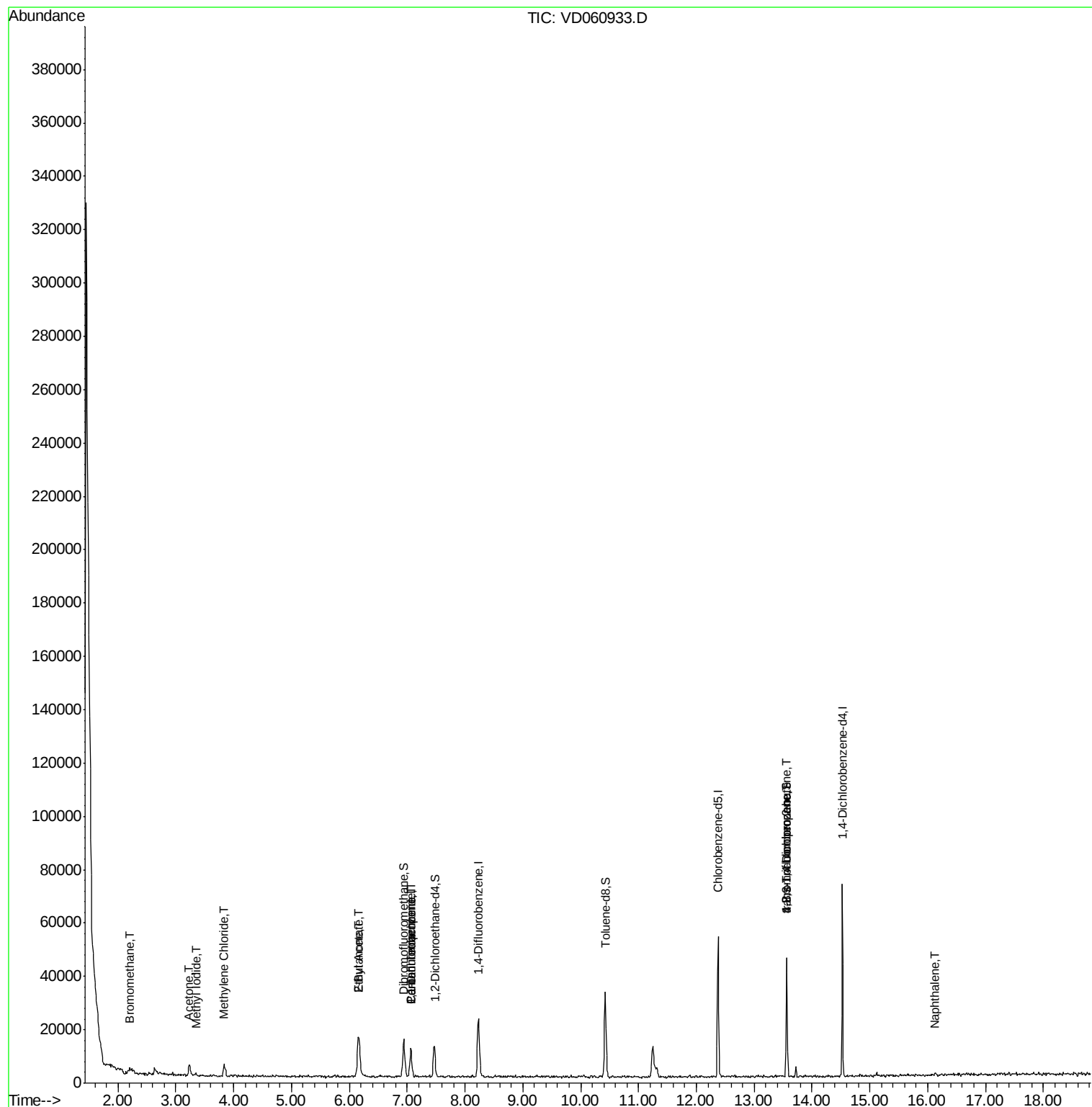
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.20	94	1269	59.429	ug/l #	52
10) Methyl Iodide	3.35	142	852	7.465	ug/l #	40
16) Acetone	3.23	43	7750	192.946	ug/l	97
20) Methylene Chloride	3.84	84	2831	12.097	ug/l #	81
25) 2-Butanone	6.17	43	380	7.626	ug/l #	55
36) 1,1-Dichloropropene	7.06	75	405	1.325	ug/l #	39
37) Ethyl Acetate	6.17	43	380	2.418	ug/l #	68
38) Carbon Tetrachloride	7.06	117	434	1.321	ug/l #	12
76) 1,2,3-Trichloropropane	13.56	75	5216	19.902	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	6037	77.834	ug/l #	20
95) Naphthalene	16.13	128	578	1.329	ug/l #	69

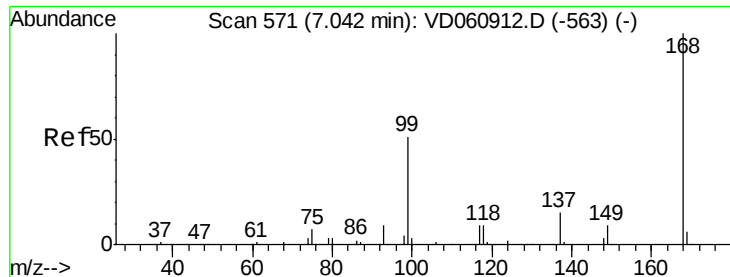
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060933.D
Acq On : 4 Mar 2019 19:41
Operator : VA/AP
Sample : K1714-06
Misc : 7.17q/5ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-A-14-18

Quant Time: Mar 05 01:34:26 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: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD060933.D

Acq: 4 Mar 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

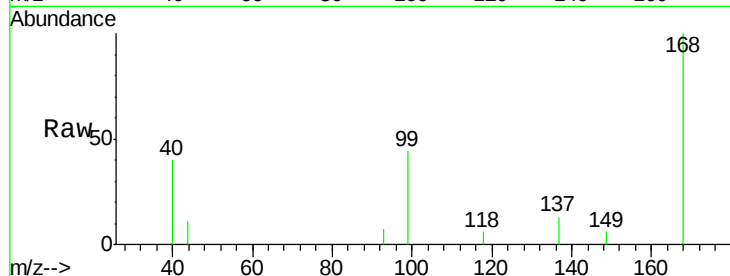
SB-A-14-18

Tot Ion:168 Resp: 14552

Ion Ratio Lower Upper

168 100

99 43.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

6000

5000

4000

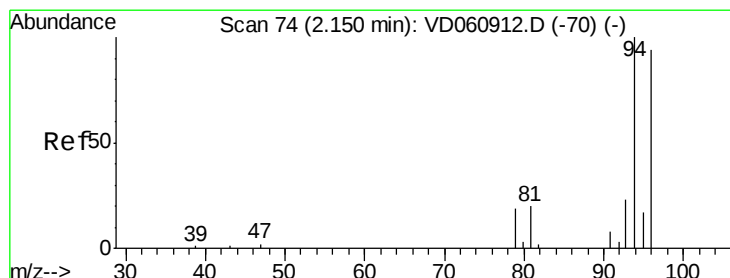
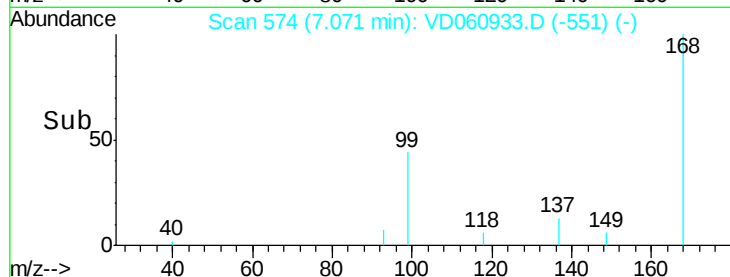
3000

2000

1000

0

Time--> 6.95 7.00 7.05 7.10 7.15



#5

Bromomethane

Concen: 59.429 ug/l

RT: 2.20 min Scan# 79

Delta R.T. 0.05 min

Lab File: VD060933.D

Acq: 4 Mar 2019 19:41

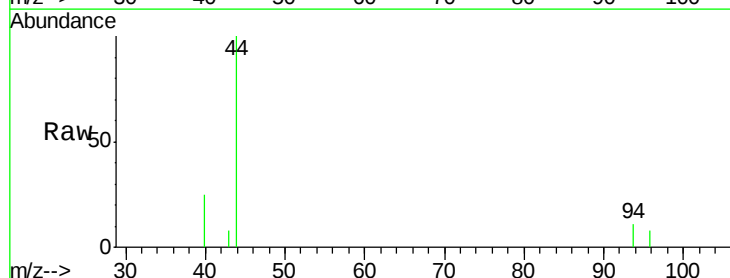
Tgt Ion: 94 Resp: 1269

Ion Ratio Lower Upper

94 100

96 74.3 75.1 112.7#

93 100.0 18.6 28.0#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

500

400

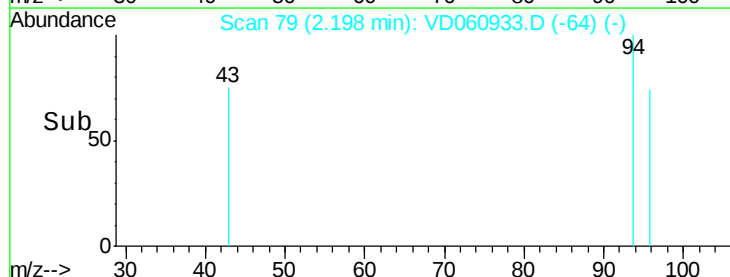
300

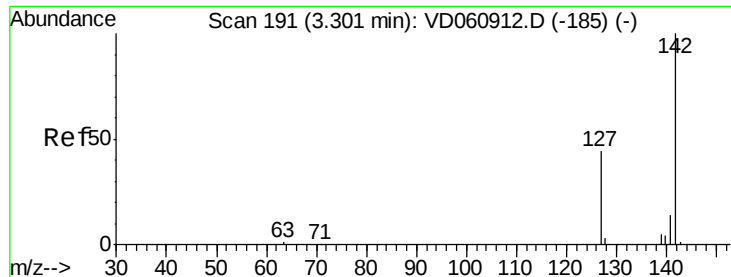
200

100

0

Time--> 2.15 2.20

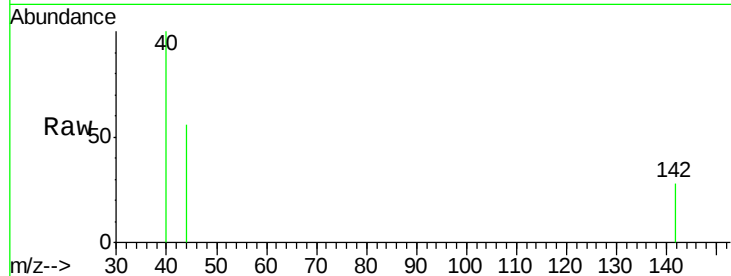




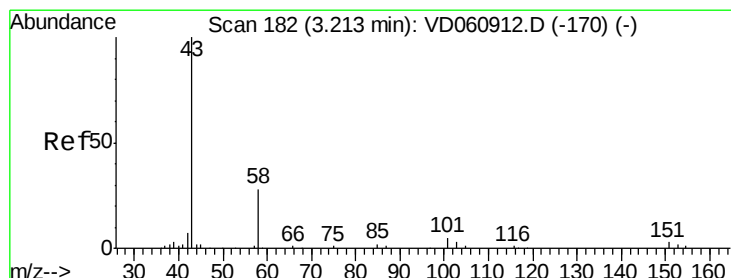
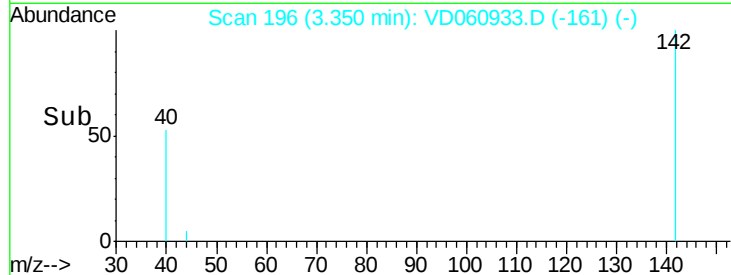
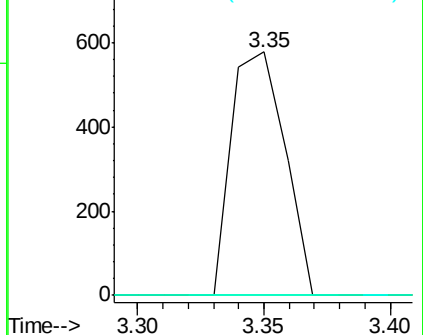
#10
Methvl Iodide
Concen: 7.465 ug/l
RT: 3.35 min Scan# 196
Delta R.T. 0.05 min
Lab File: VD060933.D
Acq: 4 Mar 2019 19:41

Instrument :
MSVOA_D
ClientSampleId :
SB-A-14-18

Tot Ion:142 Resp: 852
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.6#
141 0.0 11.0 16.4#

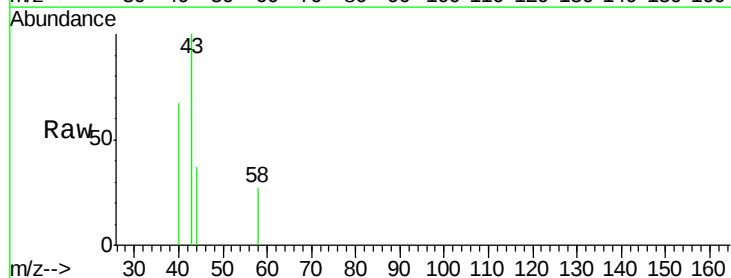


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

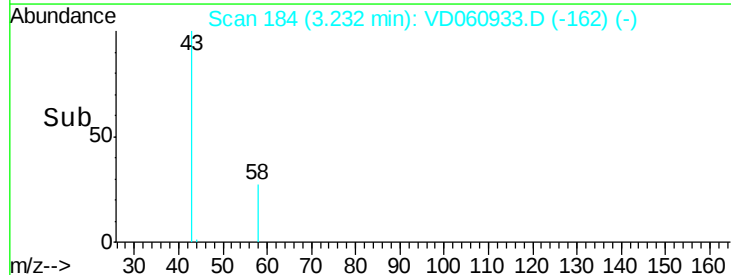
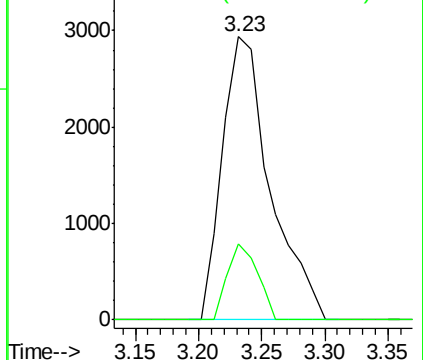


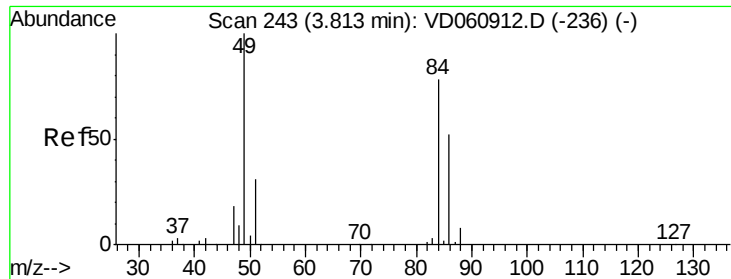
#16
Acetone
Concen: 192.946 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.02 min
Lab File: VD060933.D
Acq: 4 Mar 2019 19:41

Tgt Ion: 43 Resp: 7750
Ion Ratio Lower Upper
43 100
58 26.8 22.8 34.2



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

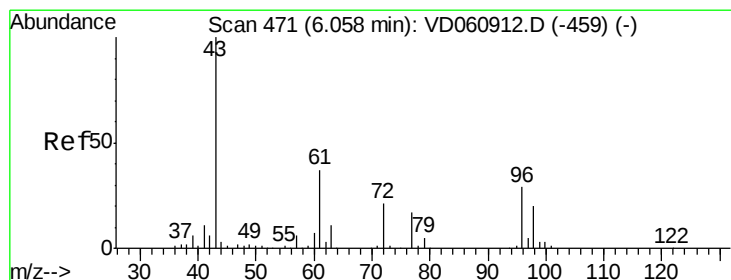
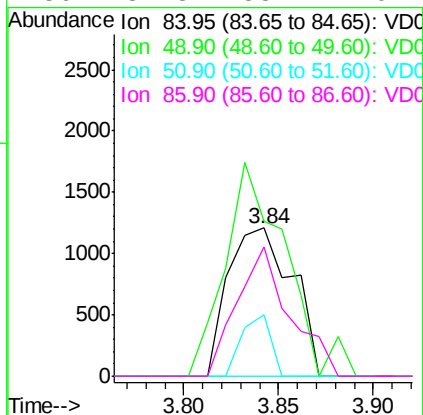
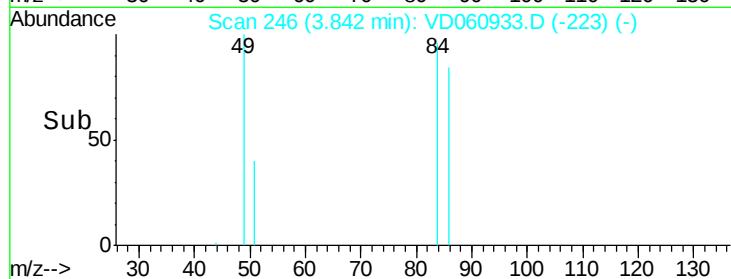
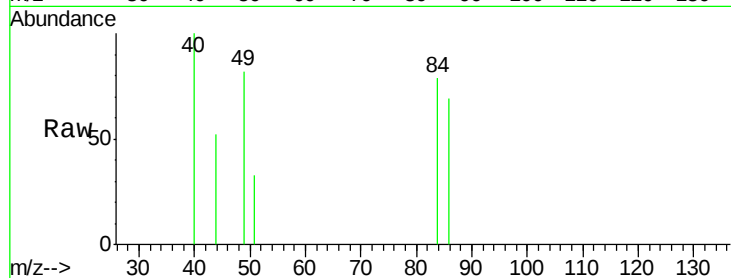




#20
Methvlene Chloride
Concen: 12.097 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD060933.D
Acq: 4 Mar 2019 19:41

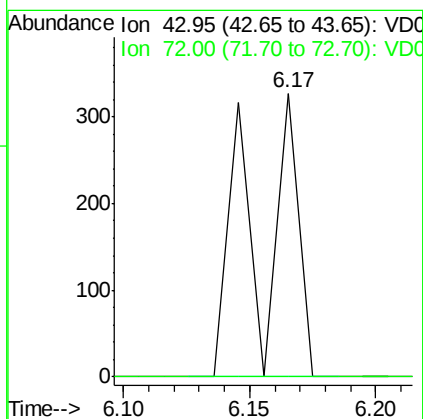
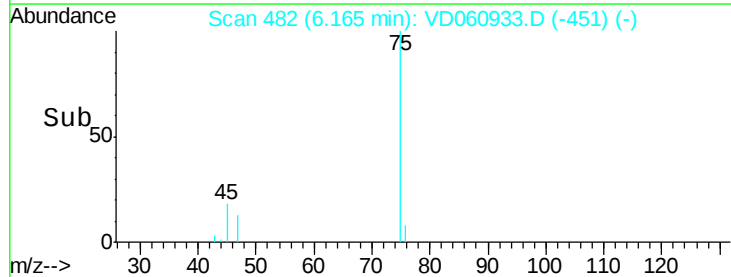
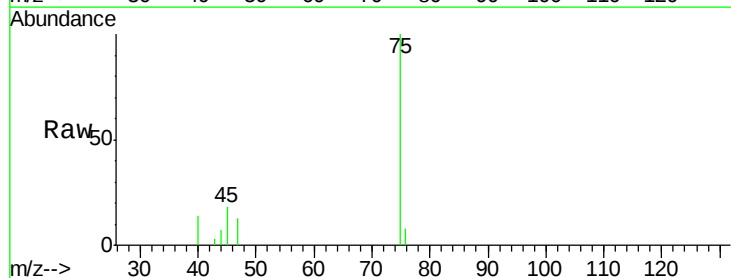
Instrument :
MSVOA_D
ClientSampleId :
SB-A-14-18

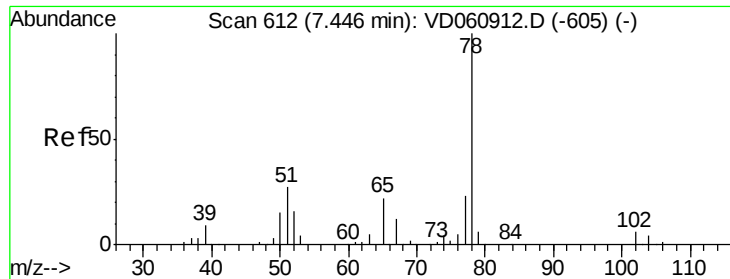
Tot Ion: 84 Resp: 2831
Ion Ratio Lower Upper
84 100
49 104.1 102.4 153.6
51 41.3 31.9 47.9
86 87.3 53.1 79.7#



#25
2-Butanone
Concen: 7.626 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.11 min
Lab File: VD060933.D
Acq: 4 Mar 2019 19:41

Tgt Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.4#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD060933.D

Acq: 4 Mar 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

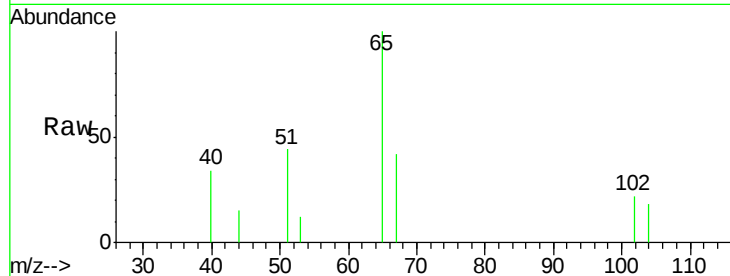
SB-A-14-18

Tot Ion: 65 Resp: 12214

Ion Ratio Lower Upper

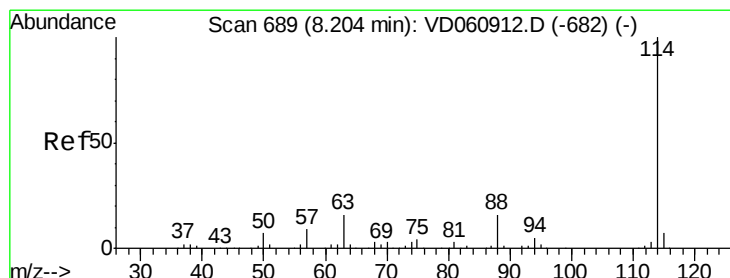
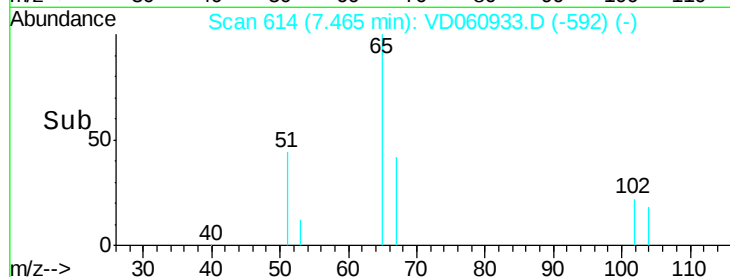
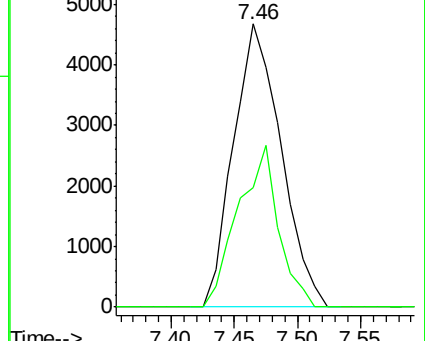
65 100

67 42.4 0.0 109.4



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: 8.23 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD060933.D

Acq: 4 Mar 2019 19:41

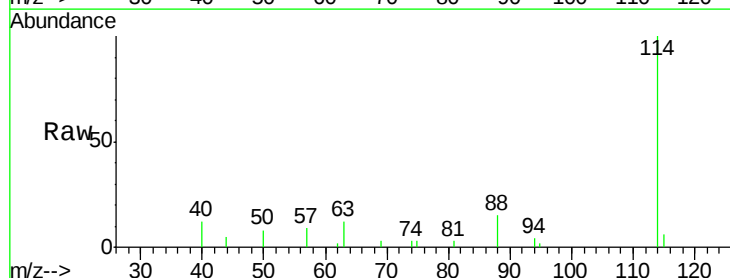
Tgt Ion: 114 Resp: 33256

Ion Ratio Lower Upper

114 100

63 12.5 0.0 32.0

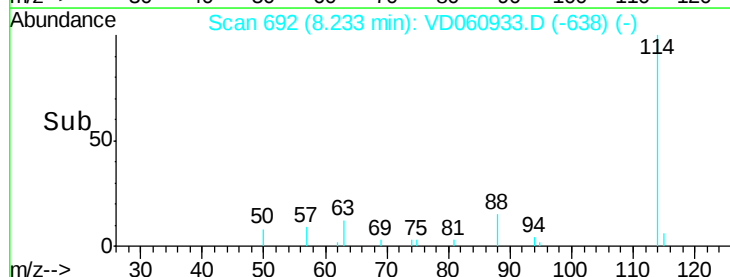
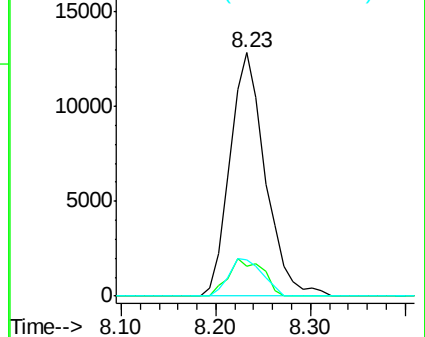
88 15.0 0.0 32.8

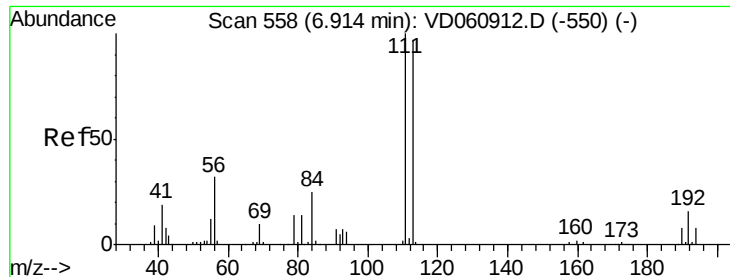


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD060933.D

Acq: 4 Mar 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

SB-A-14-18

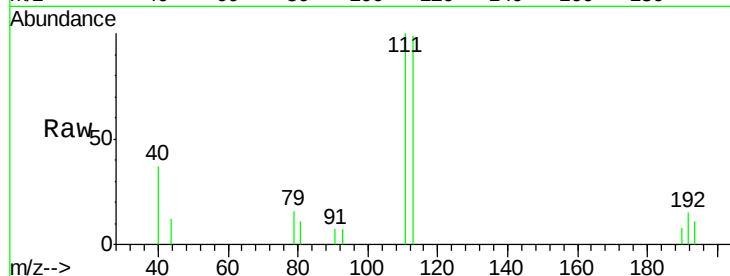
Tot Ion:113 Resp: 14446

Ion Ratio Lower Upper

113 100

111 101.4 82.6 124.0

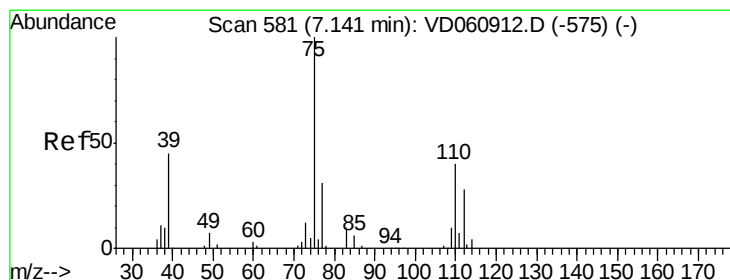
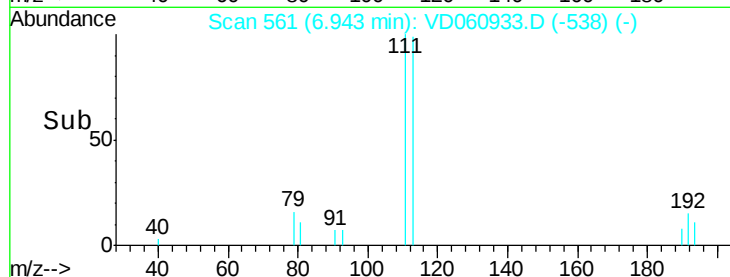
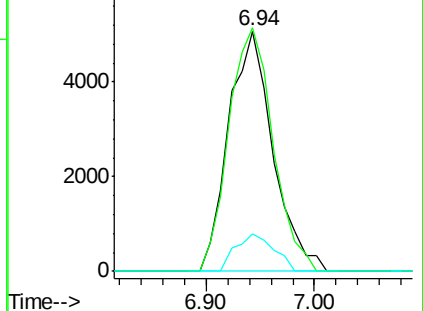
192 15.4 13.4 20.2



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: 1.325 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD060933.D

Acq: 4 Mar 2019 19:41

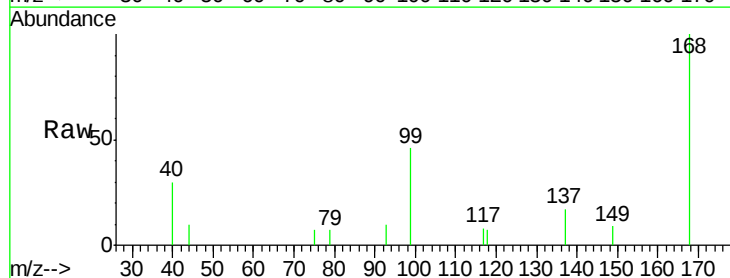
Tgt Ion: 75 Resp: 405

Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.7#

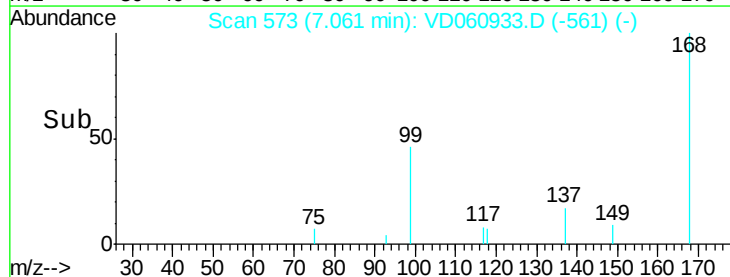
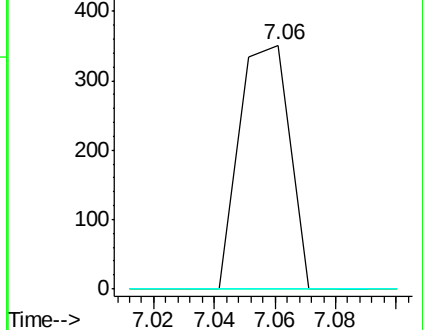
77 0.0 25.0 37.6#

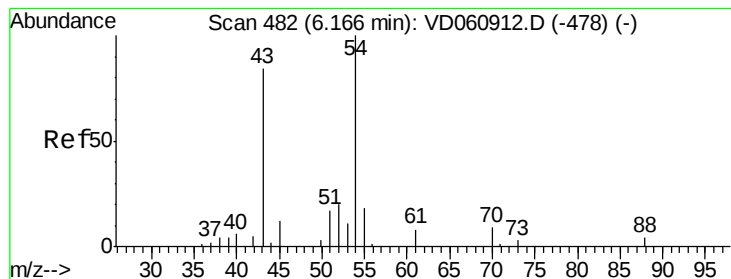


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 2.418 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.00 min

Lab File: VD060933.D

Acq: 4 Mar 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

SB-A-14-18

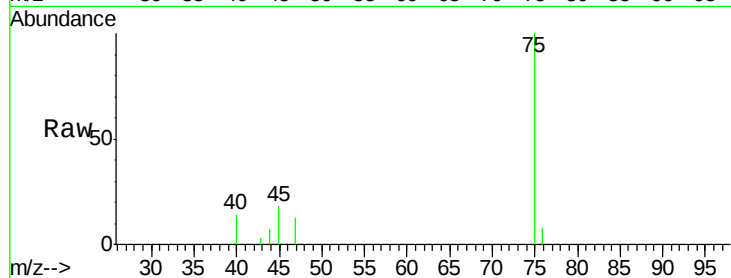
Tot Ion: 43 Resp: 380

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

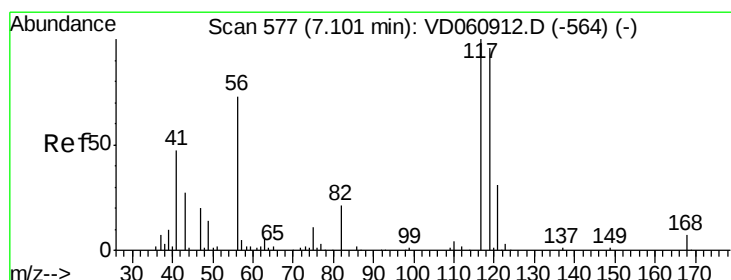
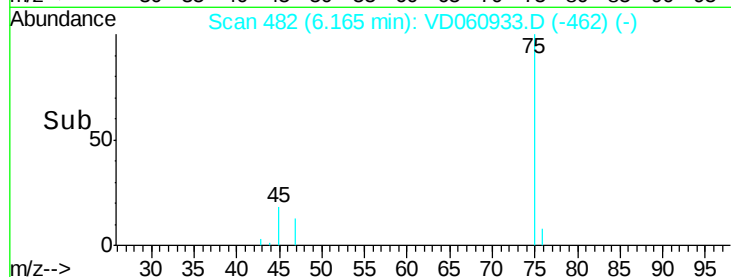
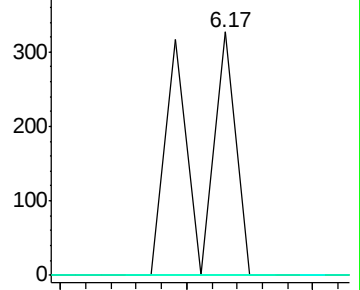
70 0.0 7.3 10.9#



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: 1.321 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.04 min

Lab File: VD060933.D

Acq: 4 Mar 2019 19:41

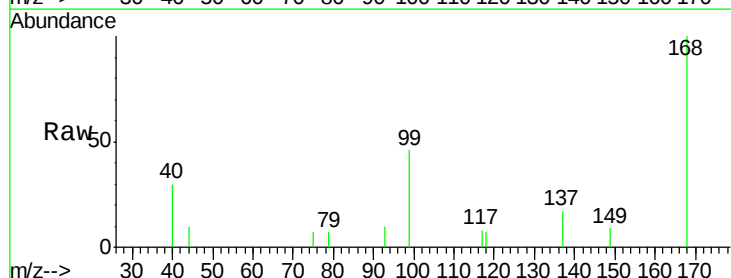
Tgt Ion: 117 Resp: 434

Ion Ratio Lower Upper

117 100

119 0.0 76.9 115.3#

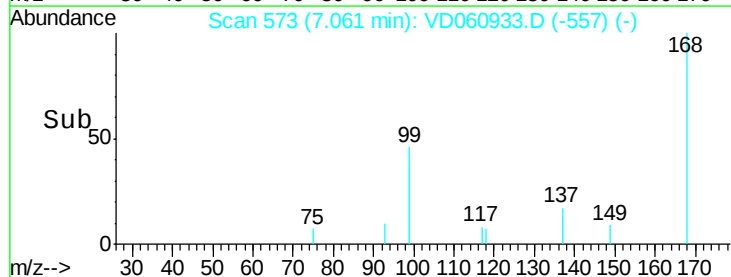
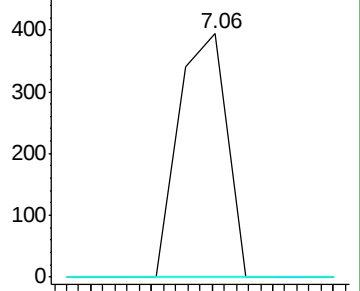
121 0.0 24.5 36.7#

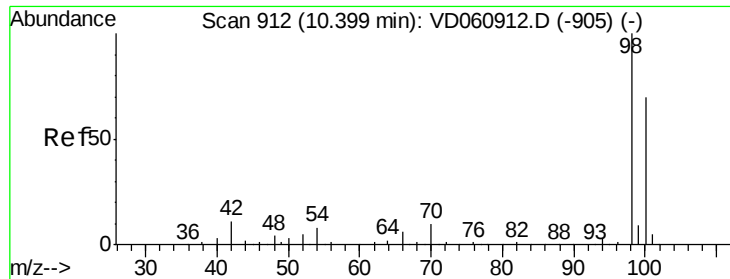


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

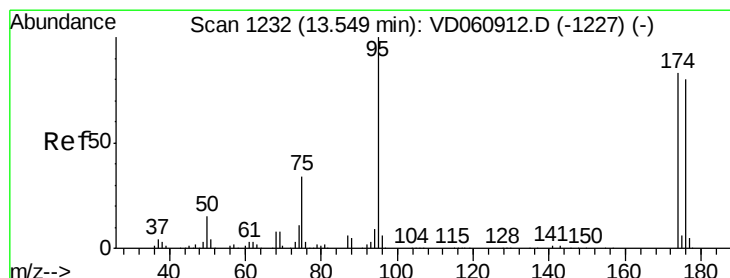
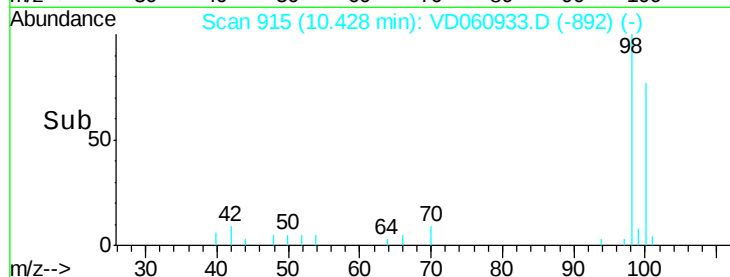
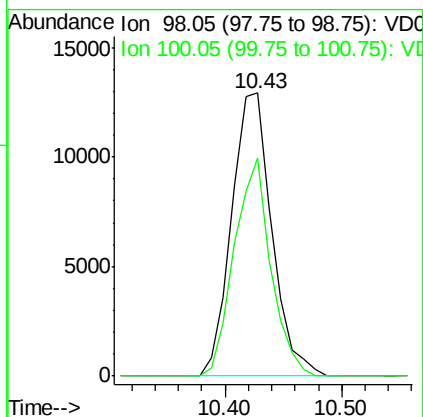
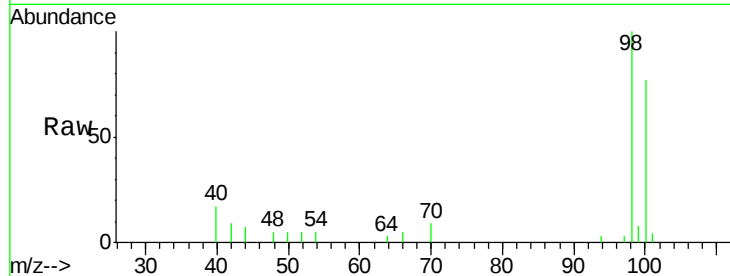




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD060933.D
Acq: 4 Mar 2019 19:41

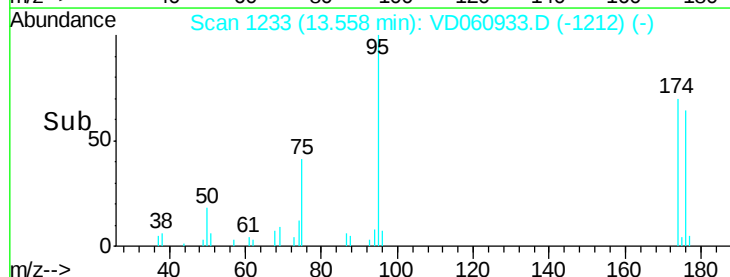
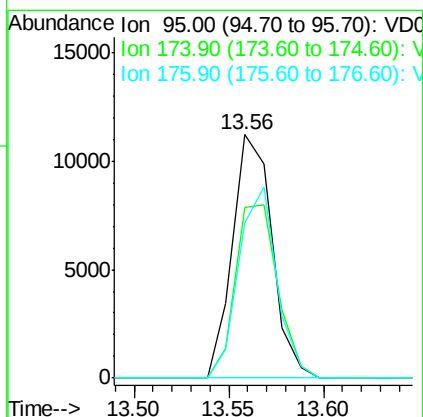
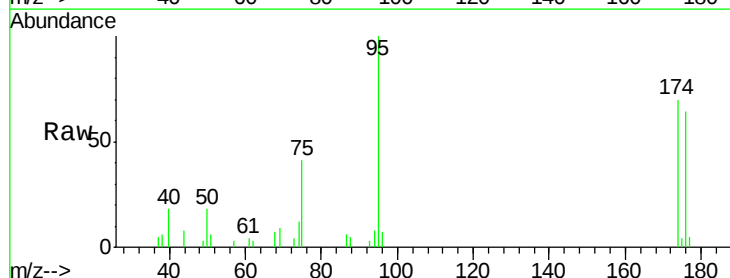
Instrument :
MSVOA_D
ClientSampleId :
SB-A-14-18

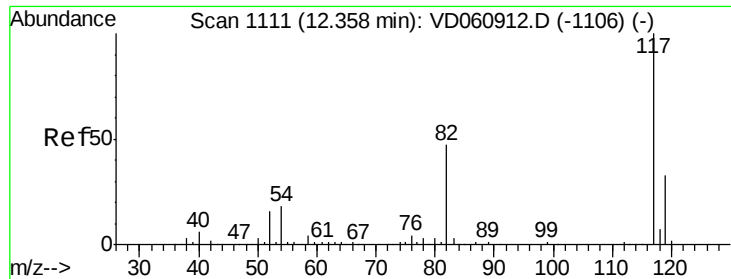
Tot Ion: 98 Resp: 30916
Ion Ratio Lower Upper
98 100
100 76.9 57.0 85.4



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD060933.D
Acq: 4 Mar 2019 19:41

Tgt Ion: 95 Resp: 16150
Ion Ratio Lower Upper
95 100
174 70.1 0.0 165.6
176 64.0 0.0 160.6

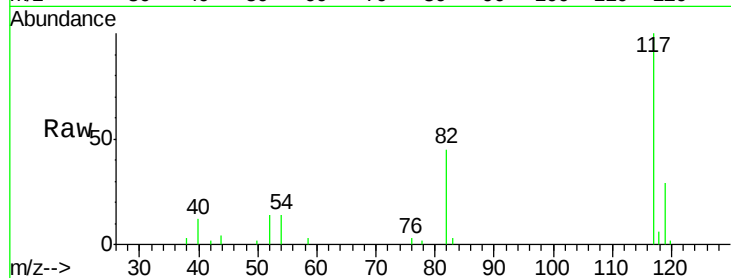




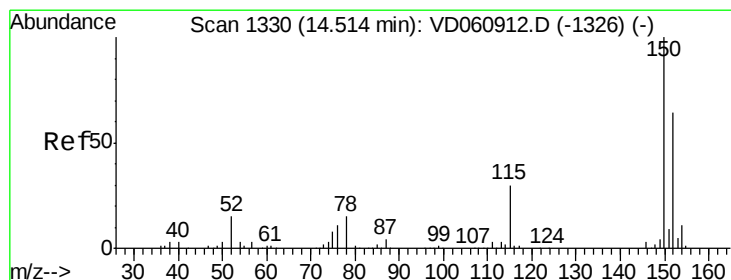
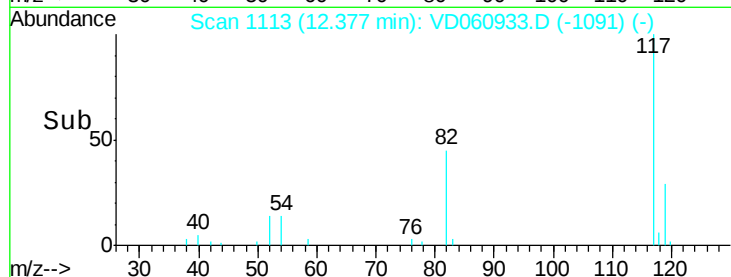
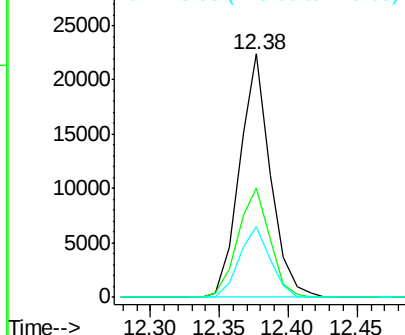
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060933.D
Acq: 4 Mar 2019 19:41

Instrument :
MSVOA_D
ClientSampleId :
SB-A-14-18

Tot Ion:117 Resp: 34717
Ion Ratio Lower Upper
117 100
82 44.8 37.5 56.3
119 29.2 26.2 39.2

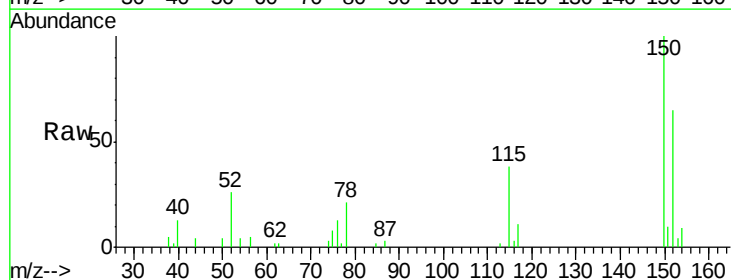


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

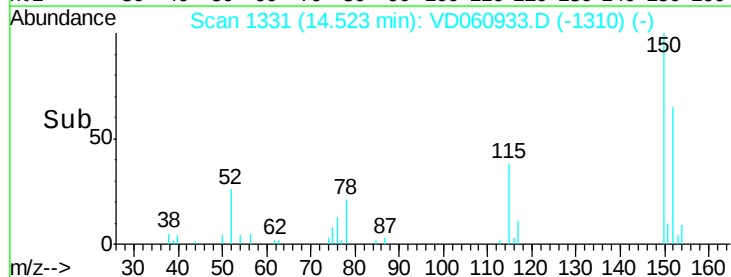
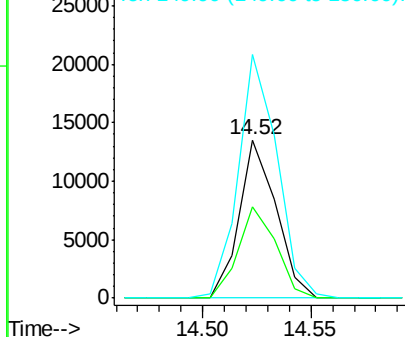


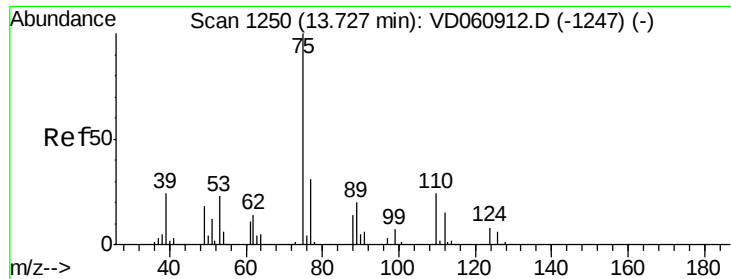
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD060933.D
Acq: 4 Mar 2019 19:41

Tgt Ion:152 Resp: 16175
Ion Ratio Lower Upper
152 100
115 58.0 27.6 82.8
150 153.7 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

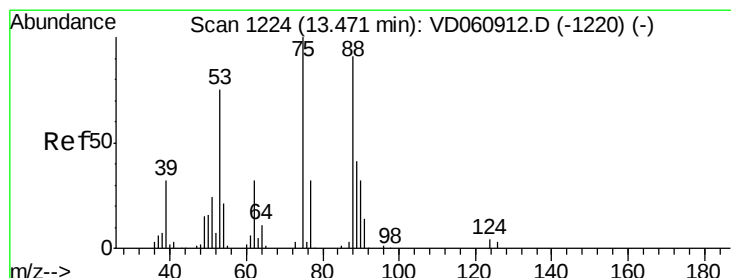
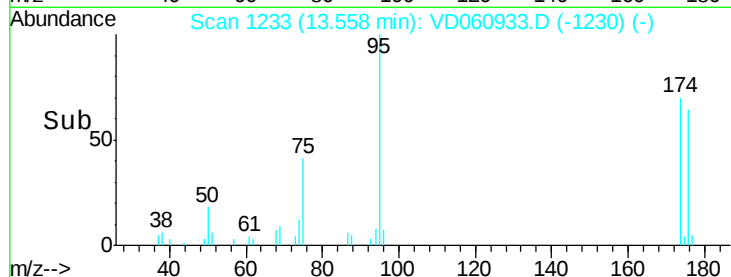
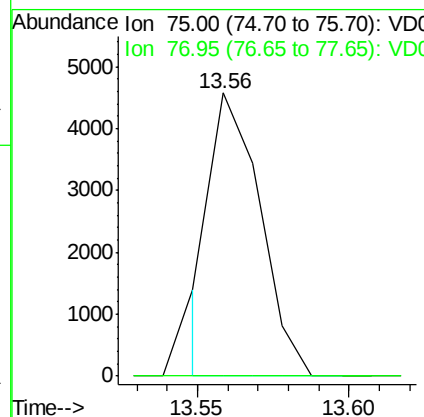
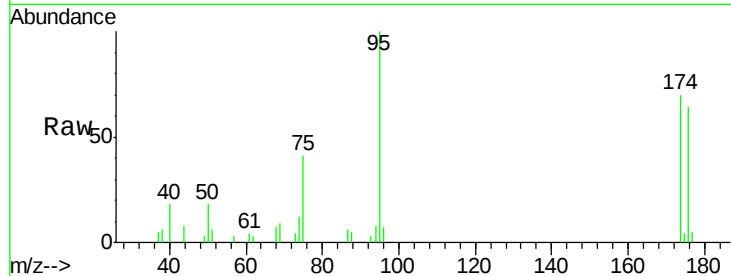




#76
 1,2,3-Trichloropropane
 Concen: 19.902 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD060933.D
 Acq: 4 Mar 2019 19:41

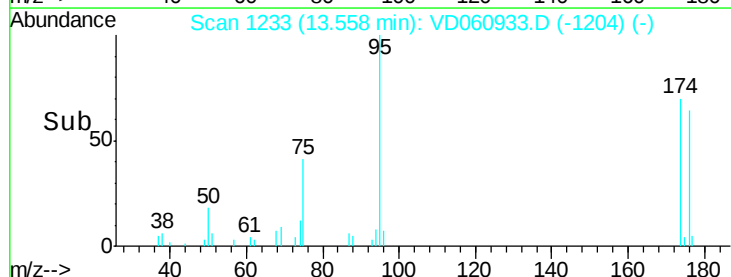
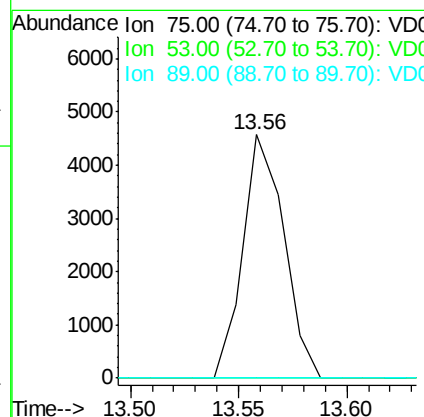
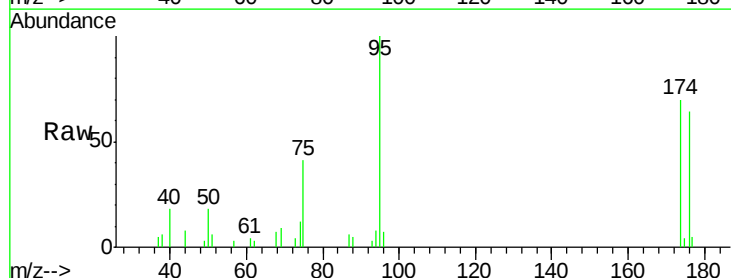
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-14-18

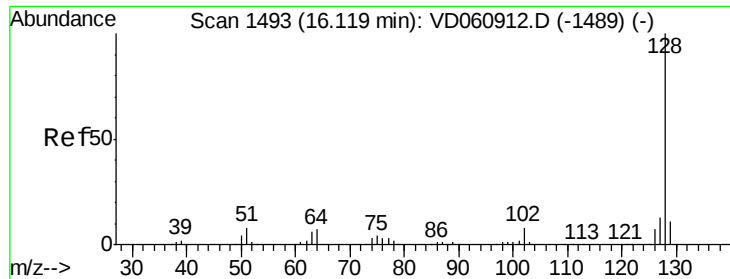
Tot Ion: 75 Resp: 5216
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.2 48.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.834 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD060933.D
 Acq: 4 Mar 2019 19:41

Tgt Ion: 75 Resp: 6037
 Ion Ratio Lower Upper
 75 100
 53 0.0 59.8 89.6#
 89 0.0 33.0 49.6#





#95

Naphthalene

Concen: 1.329 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD060933.D

Acq: 4 Mar 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

SB-A-14-18

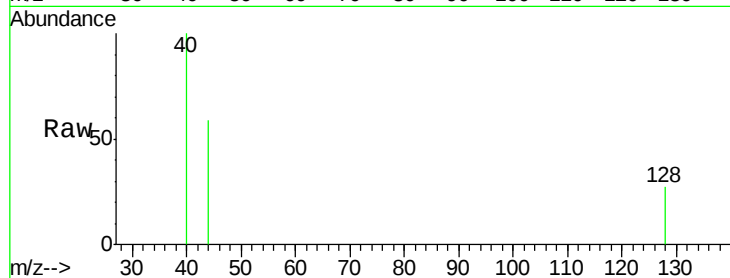
Tot Ion:128 Resp: 578

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.7 13.1#



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

