

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060937.D
 Acq On : 4 Mar 2019 21:32
 Operator : VA/AP
 Sample : K1714-10
 Misc : 6.54g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-B-8-11

Quant Time: Mar 05 01:35:11 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	76203	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	168204	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	161714	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	81248	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	59734	94.82	ug/l	0.01
Spiked Amount			Recovery	=	189.64%	
35) Dibromofluoromethane	6.94	113	69876	51.82	ug/l	0.02
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	10.41	98	139924	41.70	ug/l	0.01
Spiked Amount			Recovery	=	83.40%	
62) 4-Bromofluorobenzene	13.55	95	65496	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	

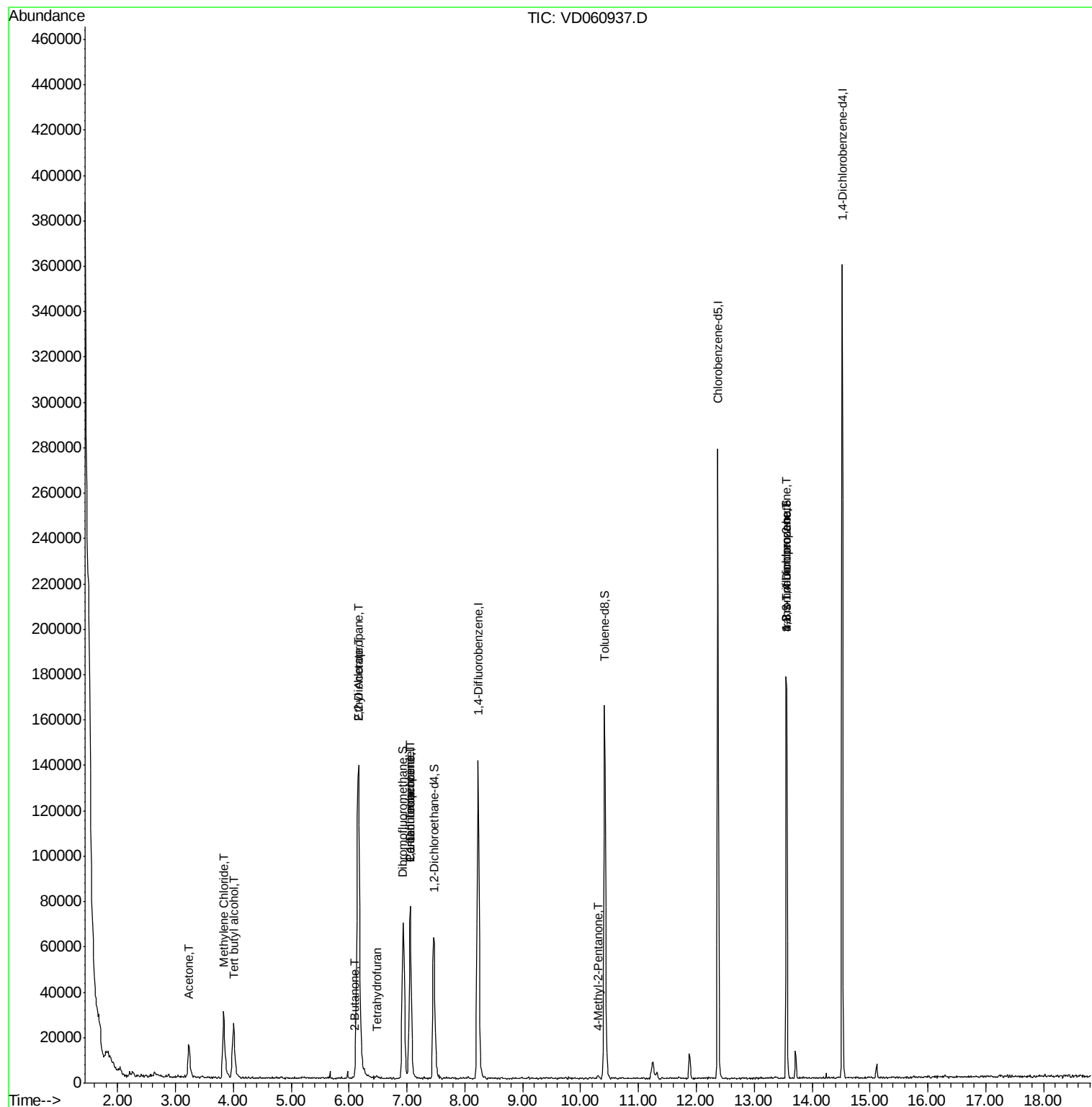
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.00	59	22638	482.154	ug/l #	77
16) Acetone	3.23	43	29396	139.757	ug/l	99
20) Methylene Chloride	3.83	84	22232	20.097	ug/l	98
25) 2-Butanone	6.08	43	1713	6.565	ug/l #	55
26) 2,2-Dichloropropane	6.15	77	10509	8.761	ug/l #	48
29) Tetrahydrofuran	6.48	42	1057	7.870	ug/l #	34
36) 1,1-Dichloropropene	7.06	75	6295	4.070	ug/l #	39
37) Ethyl Acetate	6.16	43	8459	10.640	ug/l #	1
38) Carbon Tetrachloride	7.06	117	6792	4.088	ug/l #	12
51) 4-Methyl-2-Pentanone	10.31	43	1998	2.961	ug/l #	74
76) 1,2,3-Trichloropropane	13.55	75	21092	16.022	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	24323	62.430	ug/l #	20

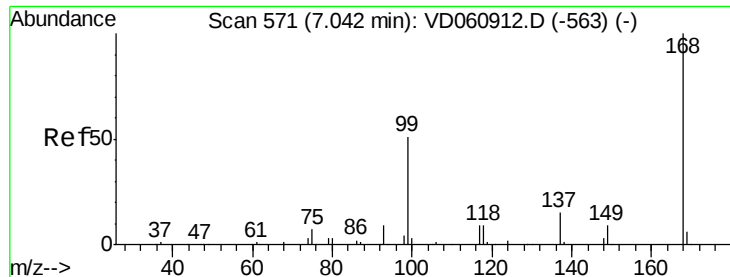
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD060937.D

Acq: 4 Mar 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

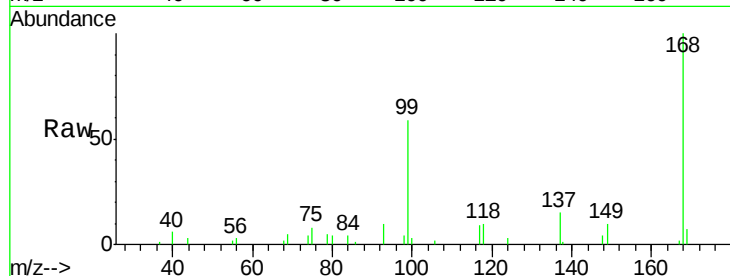
SB-B-8-11

Tot Ion:168 Resp: 76203

Ion Ratio Lower Upper

168 100

99 59.2 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

30000

25000

20000

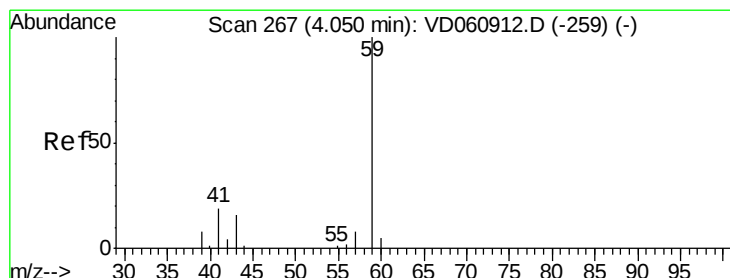
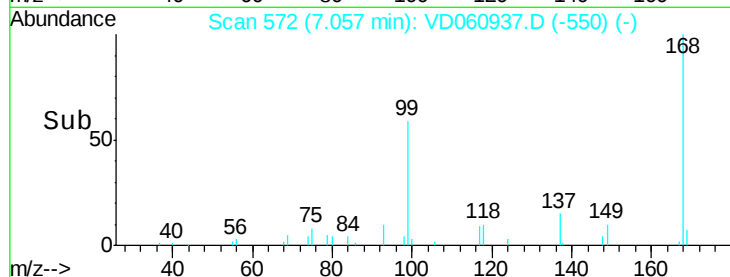
15000

10000

5000

0

Time--> 6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 482.154 ug/l

RT: 4.00 min Scan# 261

Delta R.T. -0.05 min

Lab File: VD060937.D

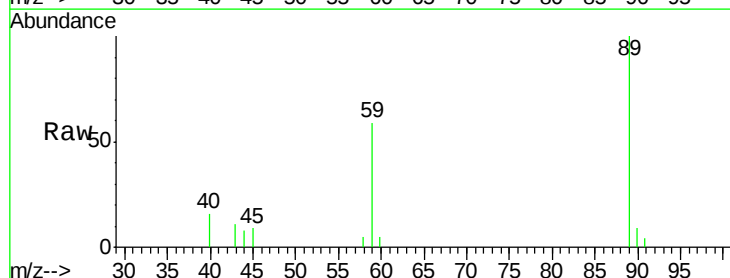
Acq: 4 Mar 2019 21:32

Tgt Ion: 59 Resp: 22638

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

4.00

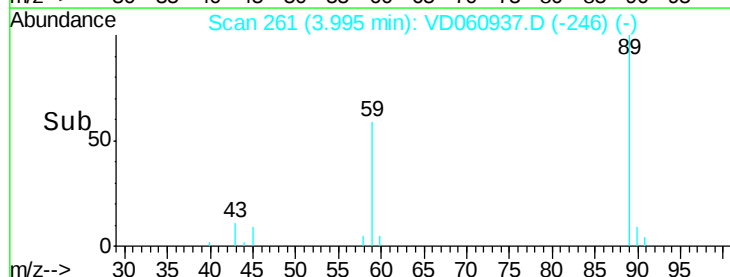
6000

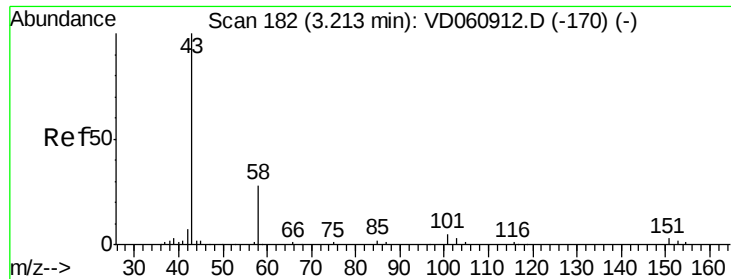
4000

2000

0

Time--> 3.90 4.00 4.10

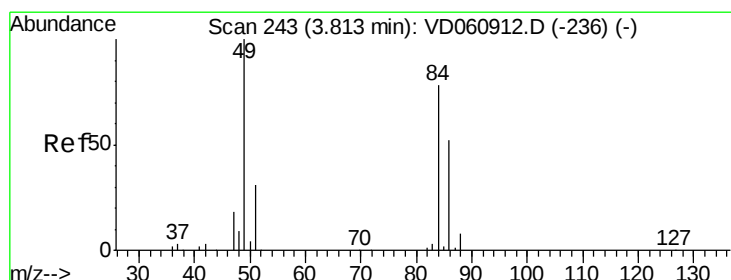
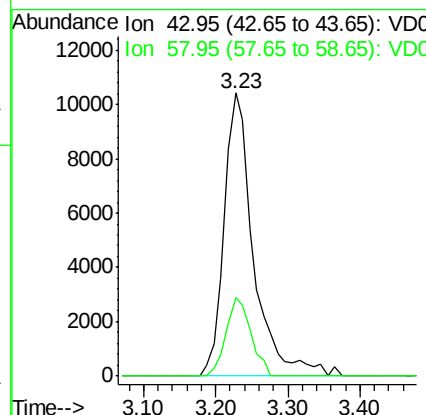
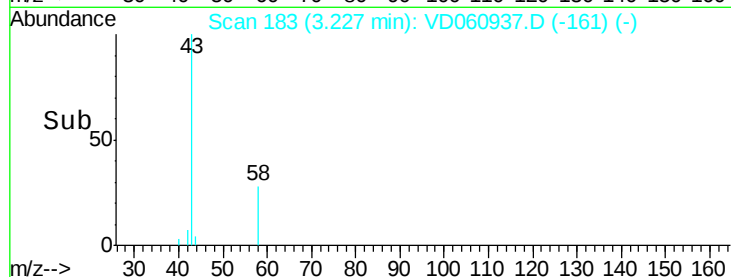
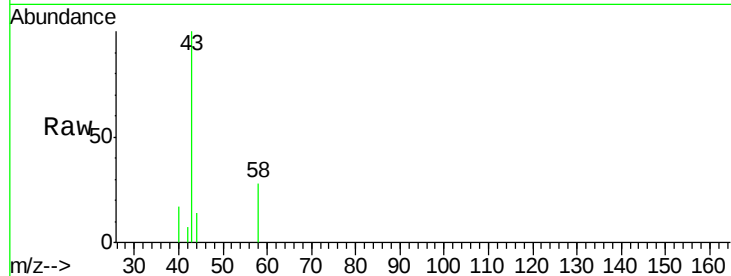




#16
Acetone
Concen: 139.757 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD060937.D
Acq: 4 Mar 2019 21:32

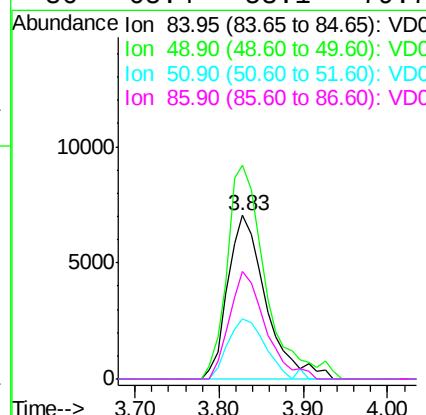
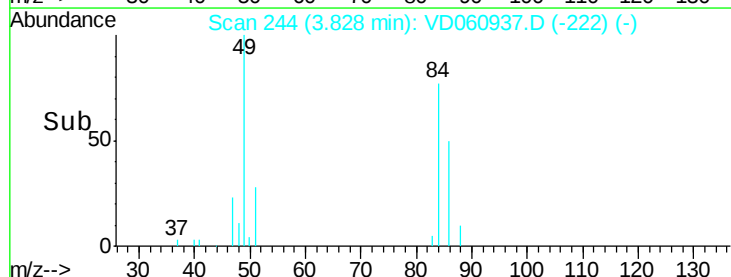
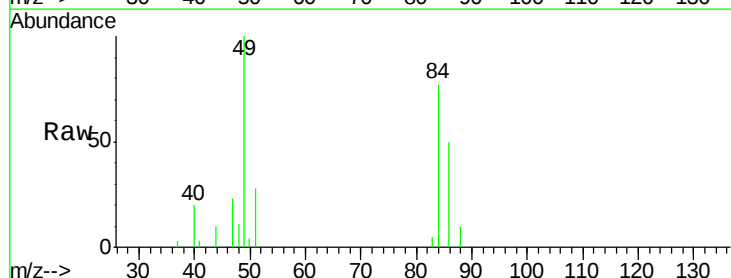
Instrument :
MSVOA_D
ClientSampleId :
SB-B-8-11

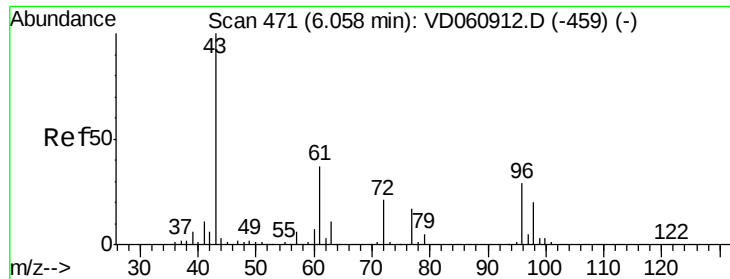
Tot Ion: 43 Resp: 29396
Ion Ratio Lower Upper
43 100
58 27.8 22.8 34.2



#20
Methylene Chloride
Concen: 20.097 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD060937.D
Acq: 4 Mar 2019 21:32

Tgt Ion: 84 Resp: 22232
Ion Ratio Lower Upper
84 100
49 130.4 102.4 153.6
51 36.9 31.9 47.9
86 65.4 53.1 79.7





#25

2-Butanone

Concen: 6.565 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD060937.D

Acq: 4 Mar 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

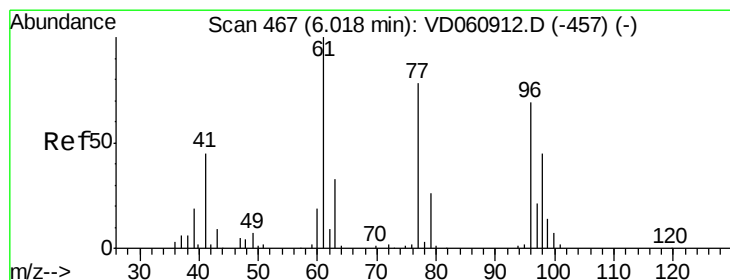
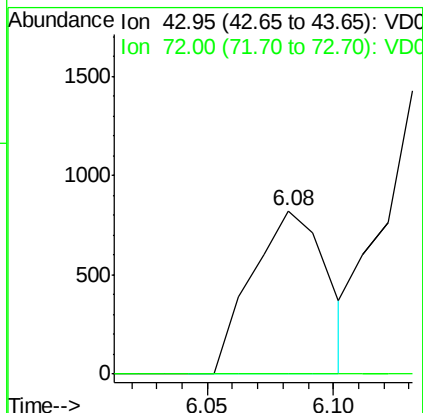
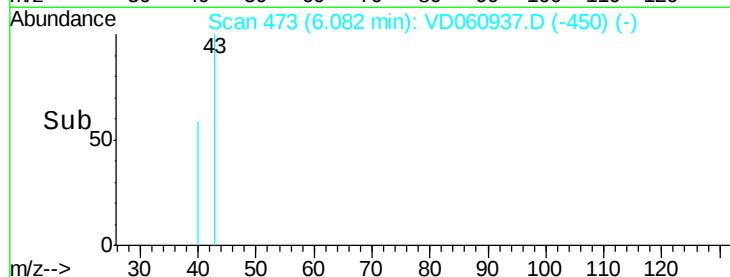
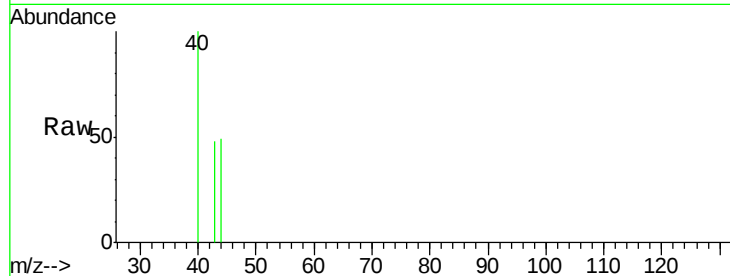
SB-B-8-11

Tot Ion: 43 Resp: 1713

Ion Ratio Lower Upper

43 100

72 0.0 17.0 25.4#



#26

2,2-Dichloropropane

Concen: 8.761 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.13 min

Lab File: VD060937.D

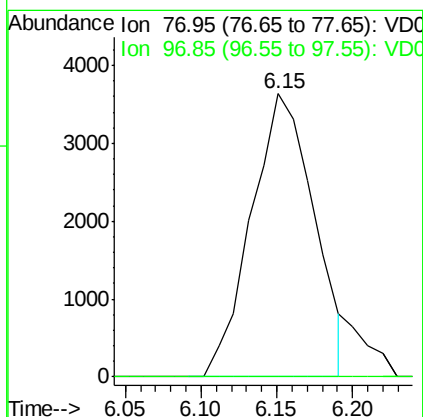
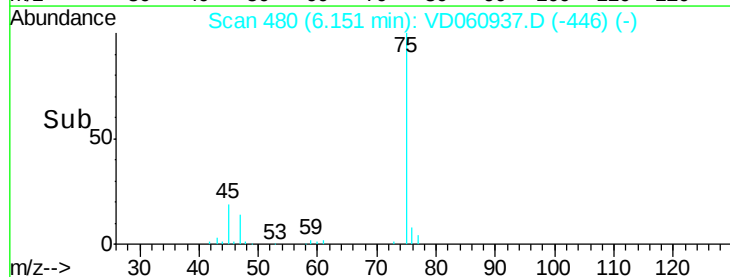
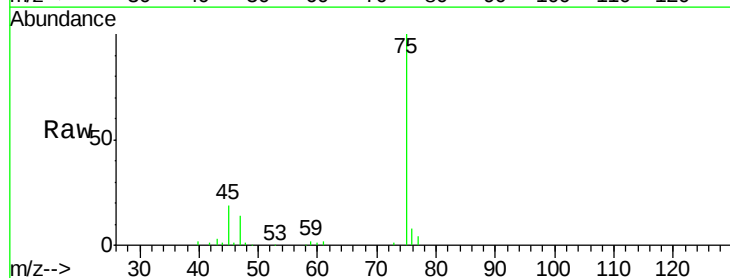
Acq: 4 Mar 2019 21:32

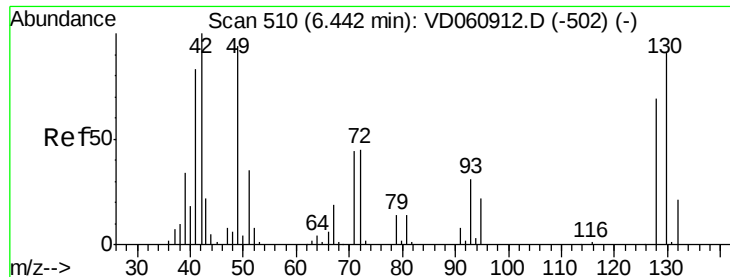
Tgt Ion: 77 Resp: 10509

Ion Ratio Lower Upper

77 100

97 0.0 13.5 40.4#





#29

Tetrahydrofuran

Concen: 7.870 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD060937.D

Acq: 4 Mar 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

SB-B-8-11

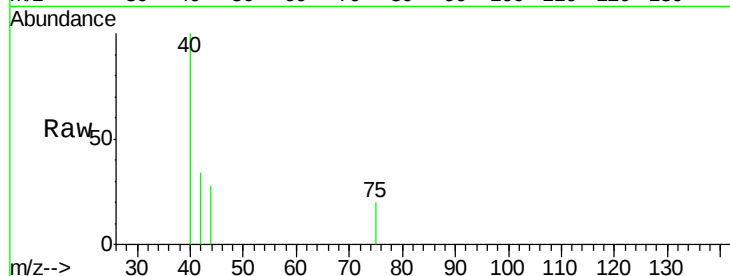
Tot Ion: 42 Resp: 1057

Ion Ratio Lower Upper

42 100

72 0.0 33.8 50.6#

71 0.0 33.5 50.3#



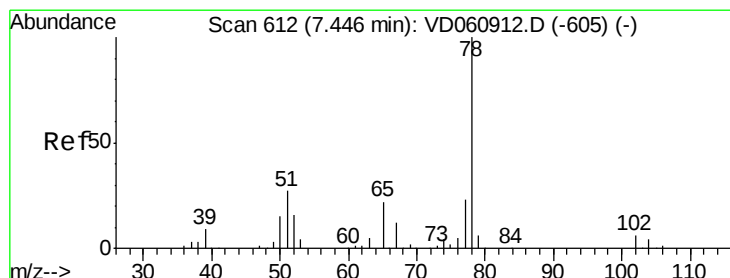
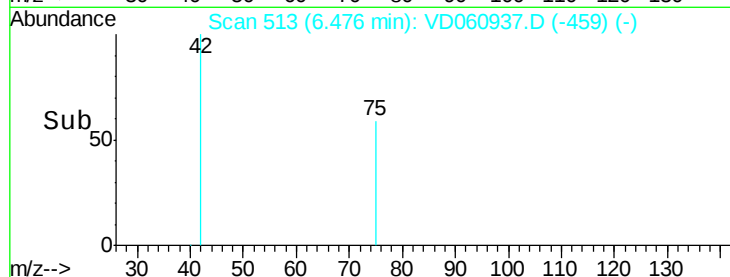
Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

6.48

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD060937.D

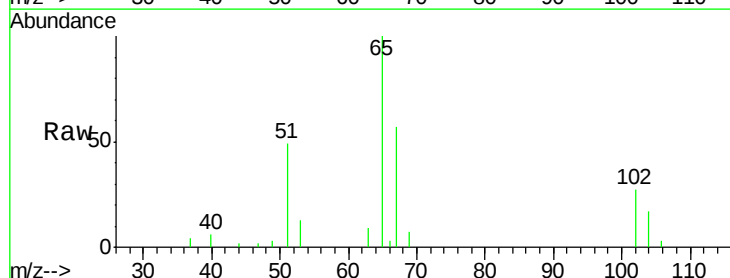
Acq: 4 Mar 2019 21:32

Tgt Ion: 65 Resp: 59734

Ion Ratio Lower Upper

65 100

67 56.6 0.0 109.4

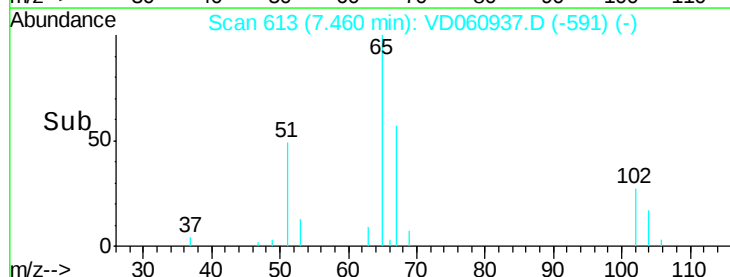


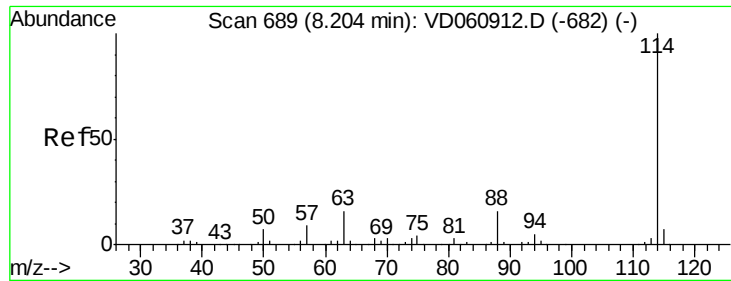
Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD060937.D

Acq: 4 Mar 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

SB-B-8-11

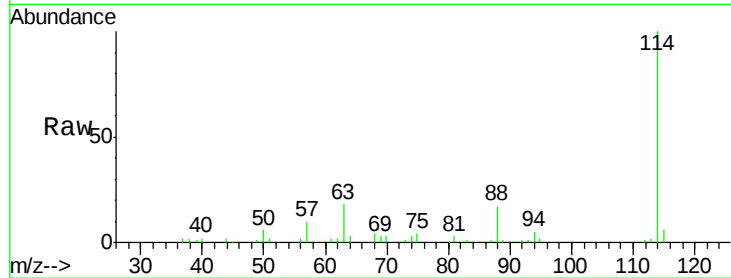
Tot Ion:114 Resp: 168204

Ion Ratio Lower Upper

114 100

63 17.5 0.0 32.0

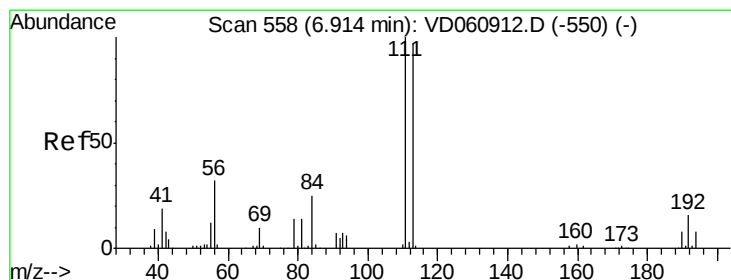
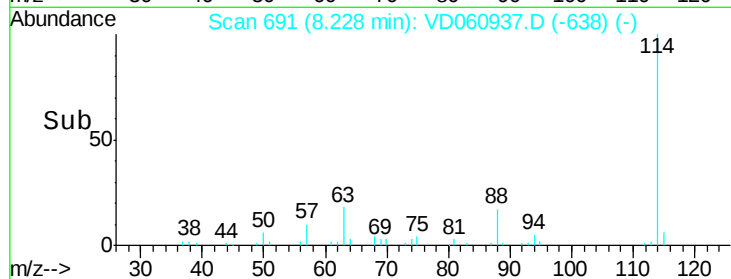
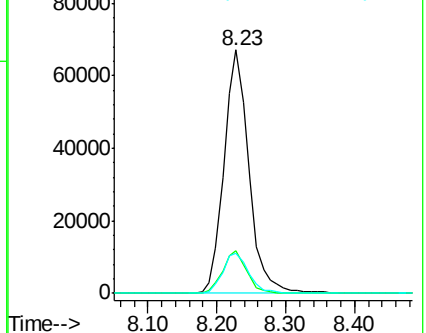
88 16.6 0.0 32.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD060937.D

Acq: 4 Mar 2019 21:32

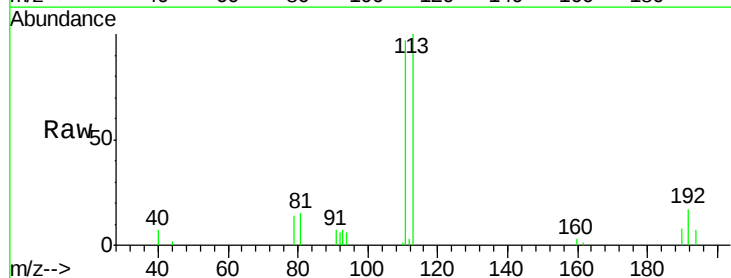
Tgt Ion:113 Resp: 69876

Ion Ratio Lower Upper

113 100

111 97.4 82.6 124.0

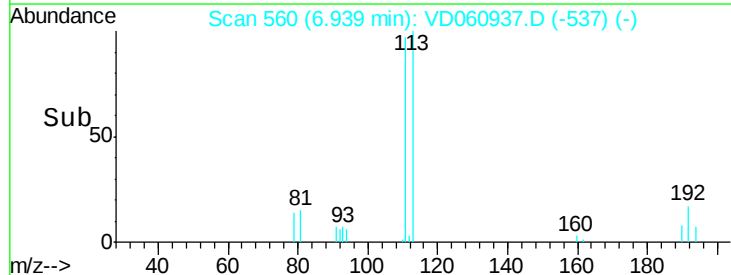
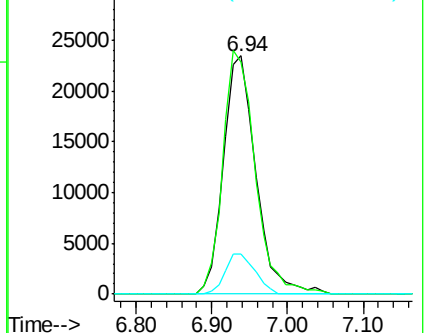
192 16.8 13.4 20.2

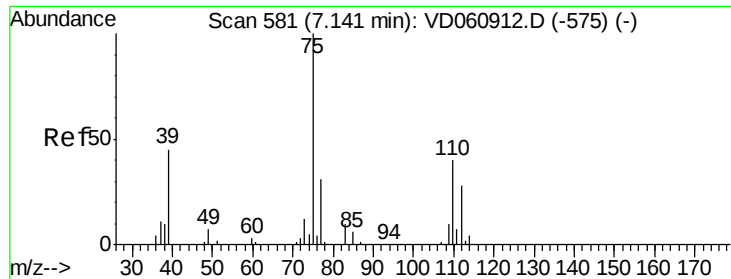


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

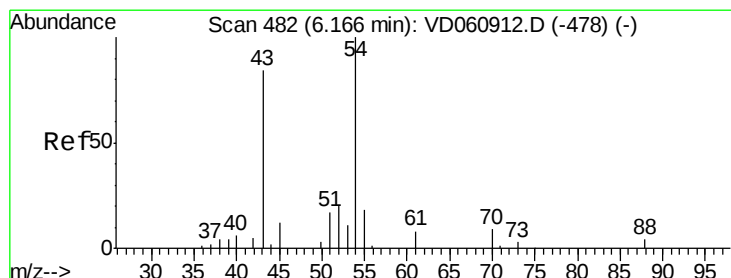
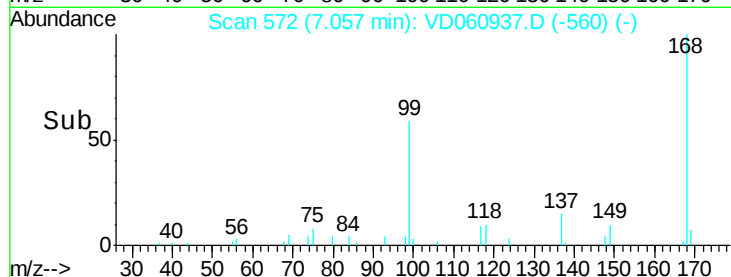
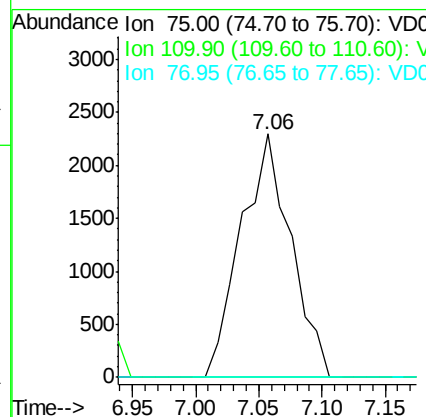
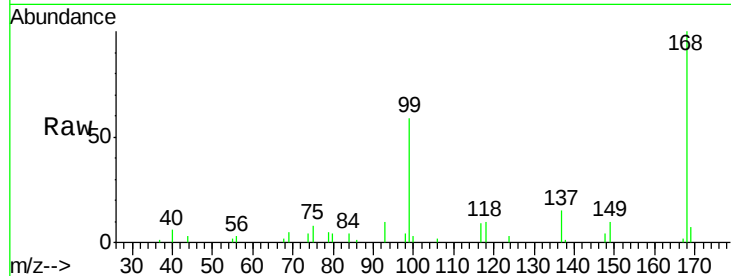




#36
 1,1-Dichloropropene
 Concen: 4.070 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.08 min
 Lab File: VD060937.D
 Acq: 4 Mar 2019 21:32

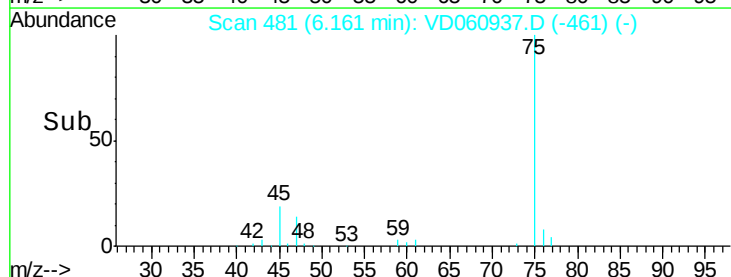
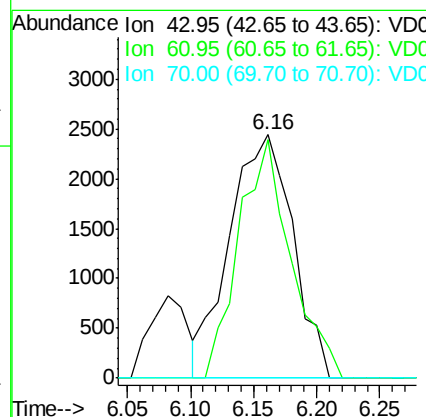
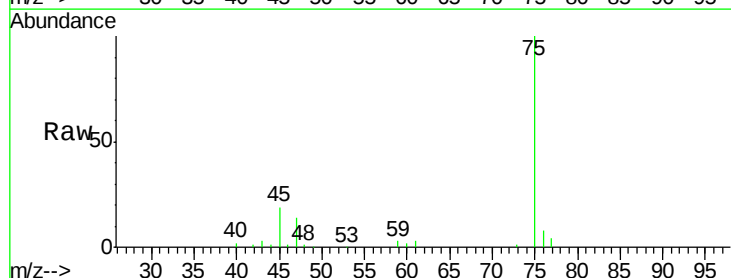
Instrument :
 MSVOA_D
 ClientSampled :
 SB-B-8-11

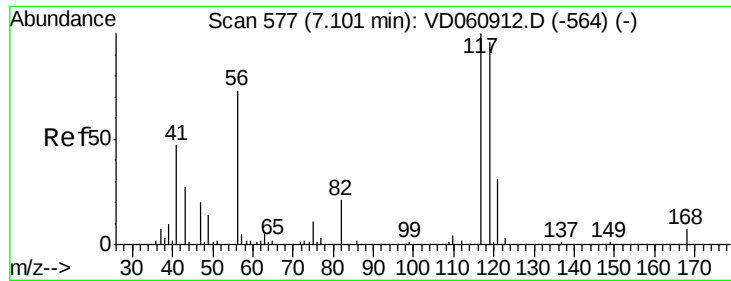
Tot Ion: 75 Resp: 6295
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.9 59.7#
 77 0.0 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 10.640 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: VD060937.D
 Acq: 4 Mar 2019 21:32

Tgt Ion: 43 Resp: 8459
 Ion Ratio Lower Upper
 43 100
 61 98.2 12.1 18.1#
 70 0.0 7.3 10.9#

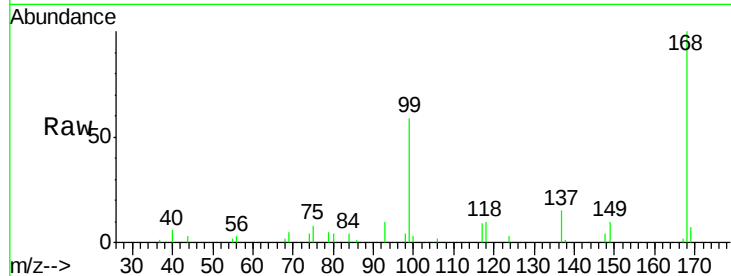




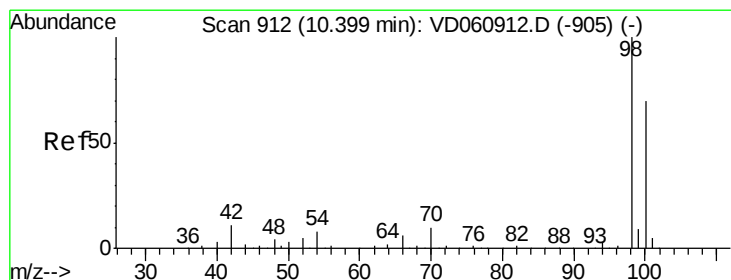
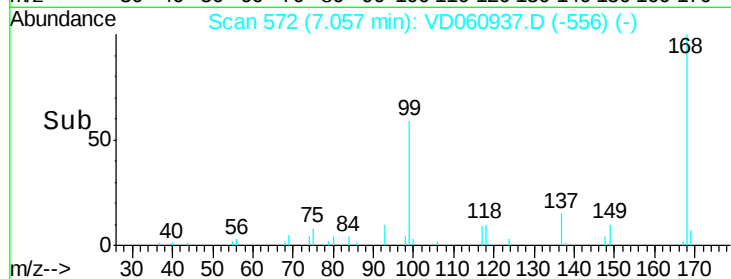
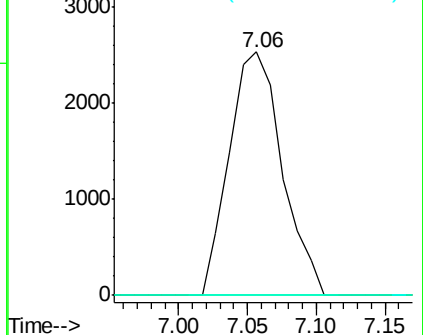
#38
Carbon Tetrachloride
Concen: 4.088 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD060937.D
Acq: 4 Mar 2019 21:32

Instrument :
MSVOA_D
ClientSampleId :
SB-B-8-11

Tot Ion:117 Resp: 6792
Ion Ratio Lower Upper
117 100
119 0.0 76.9 115.3#
121 0.0 24.5 36.7#

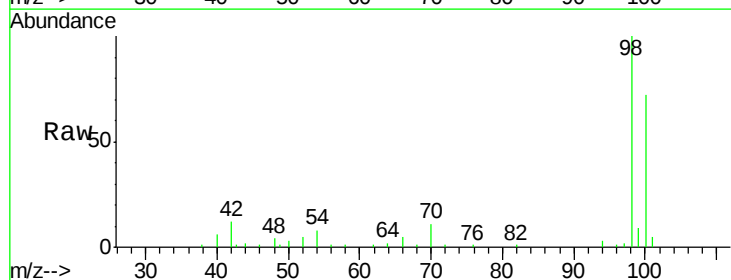


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

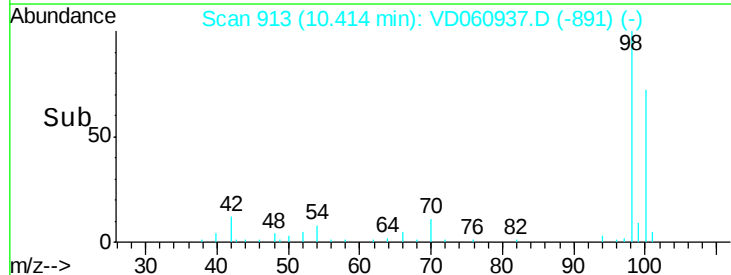
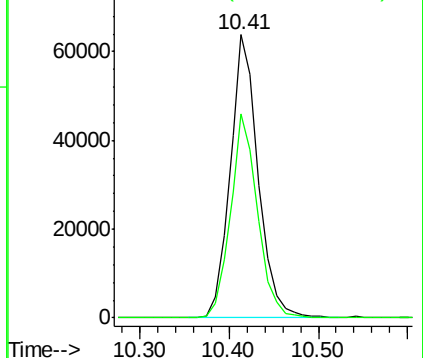


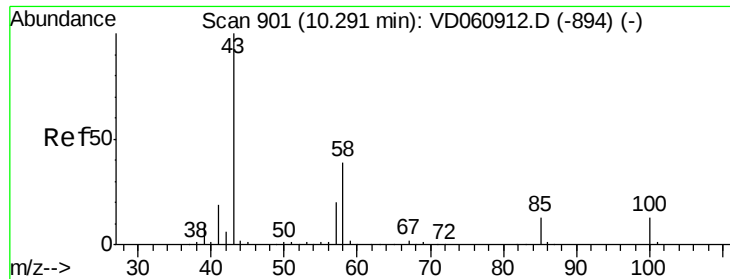
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060937.D
Acq: 4 Mar 2019 21:32

Tgt Ion: 98 Resp: 139924
Ion Ratio Lower Upper
98 100
100 72.1 57.0 85.4



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





#51

4-Methyl-2-Pentanone

Concen: 2.961 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060937.D

Acq: 4 Mar 2019 21:32

Instrument :

MSVOA_D

ClientSampled :

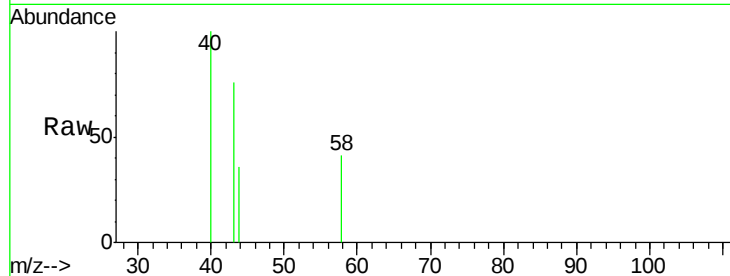
SB-B-8-11

Tot Ion: 43 Resp: 1998

Ion Ratio Lower Upper

43 100

58 54.4 31.0 46.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

1000

800

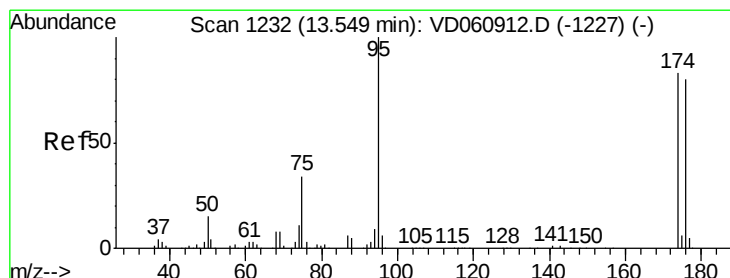
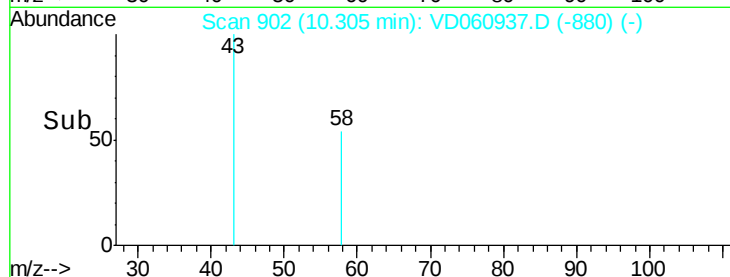
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD060937.D

Acq: 4 Mar 2019 21:32

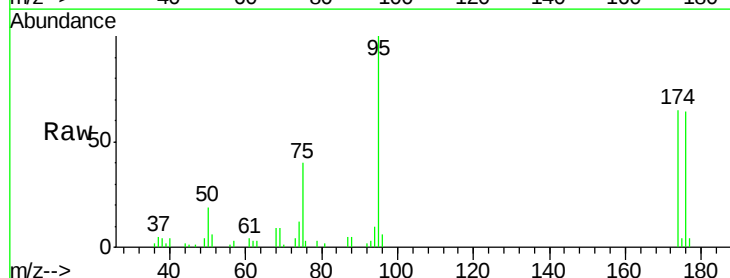
Tgt Ion: 95 Resp: 65496

Ion Ratio Lower Upper

95 100

174 64.9 0.0 165.6

176 63.8 0.0 160.6



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

13.55

60000

50000

40000

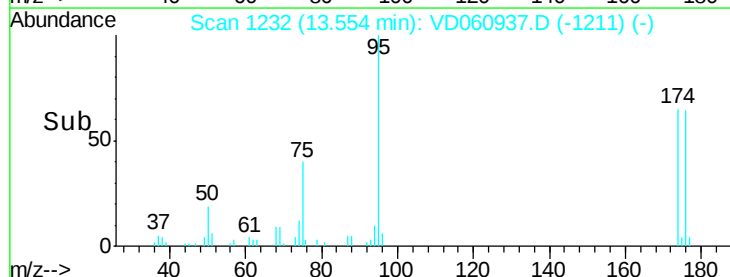
30000

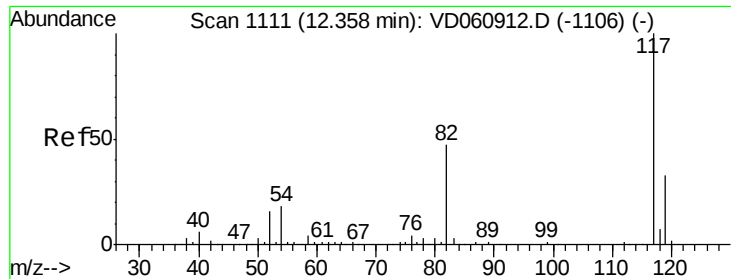
20000

10000

0

Time-->

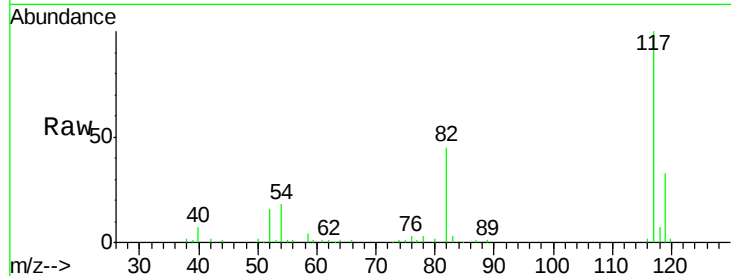




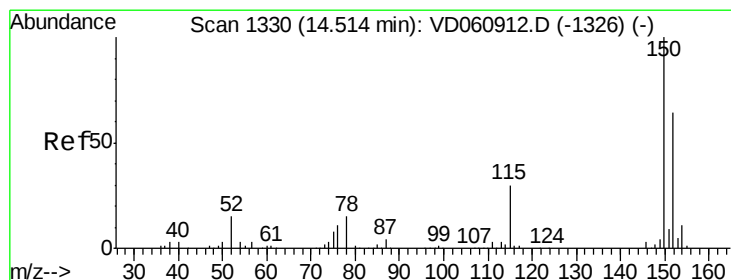
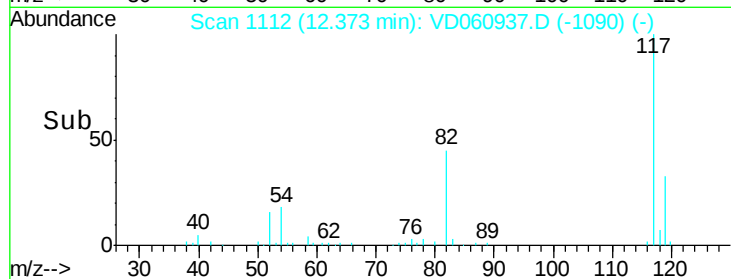
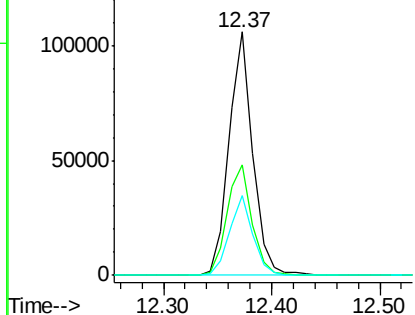
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060937.D
Acq: 4 Mar 2019 21:32

Instrument :
MSVOA_D
ClientSampleId :
SB-B-8-11

Tot Ion:117 Resp: 161714
Ion Ratio Lower Upper
117 100
82 45.3 37.5 56.3
119 32.7 26.2 39.2

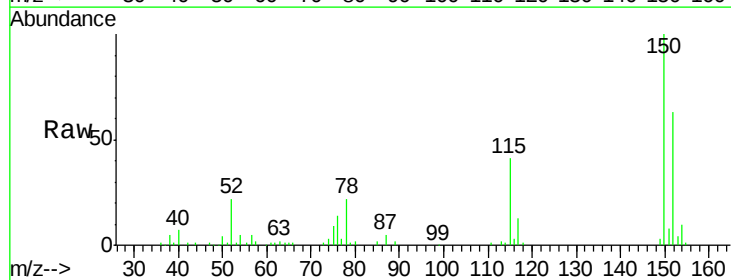


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

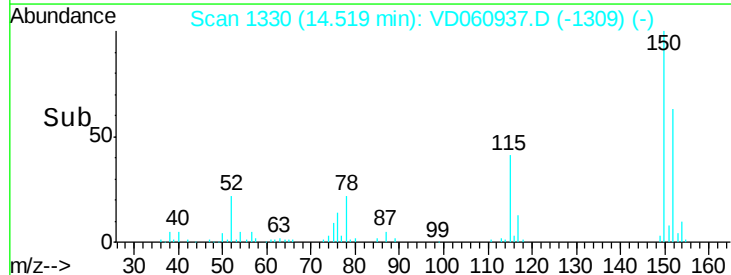
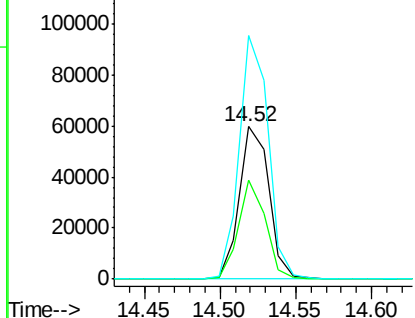


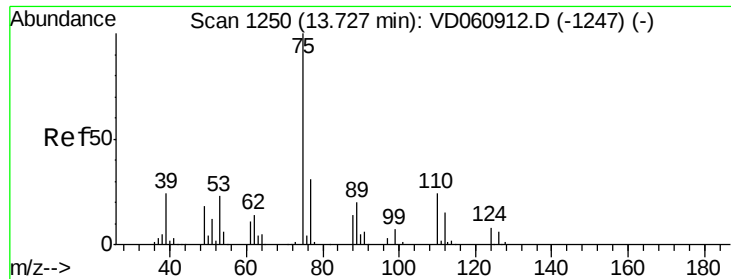
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD060937.D
Acq: 4 Mar 2019 21:32

Tgt Ion:152 Resp: 81248
Ion Ratio Lower Upper
152 100
115 65.0 27.6 82.8
150 159.5 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: 16.022 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD060937.D

Acq: 4 Mar 2019 21:32

Instrument :

MSVOA_D

ClientSampleId :

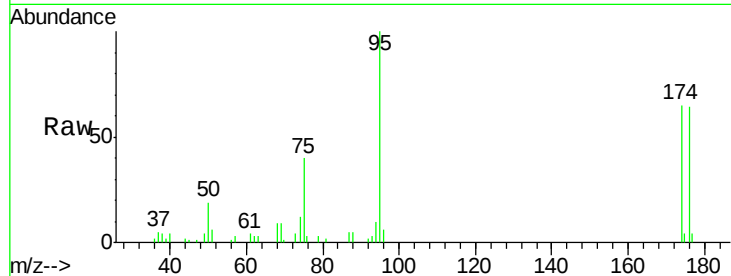
SB-B-8-11

Tot Ion: 75 Resp: 21092

Ion Ratio Lower Upper

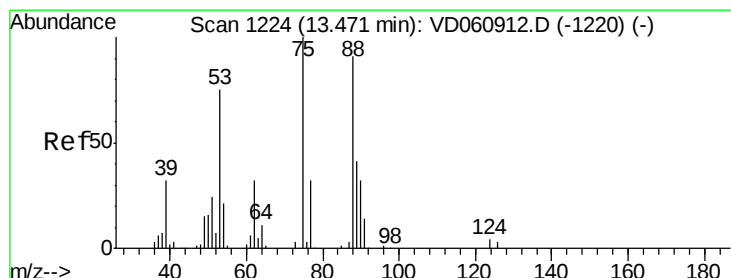
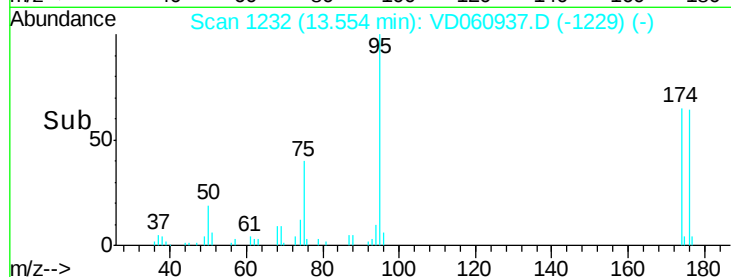
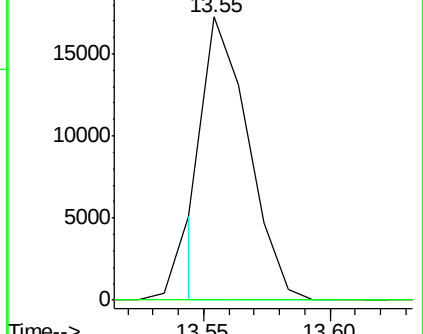
75 100

77 0.0 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: 62.430 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD060937.D

Acq: 4 Mar 2019 21:32

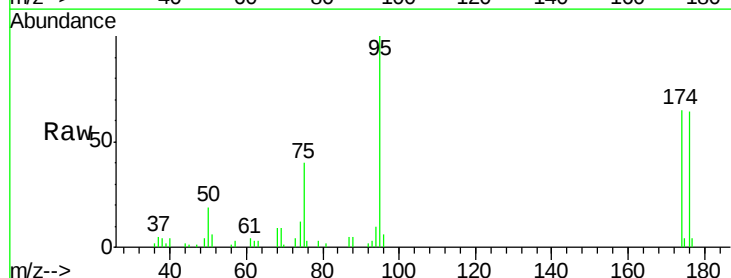
Tgt Ion: 75 Resp: 24323

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

