

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060935.D
 Acq On : 4 Mar 2019 20:36
 Operator : VA/AP
 Sample : K1714-08
 Misc : 6.11g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-B-2-5

Quant Time: Mar 05 01:34:48 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	575107	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	991016	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	888257	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	326440	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	233674	49.15	ug/l	0.02
Spiked Amount			Recovery	=	98.30%	
35) Dibromofluoromethane	6.95	113	372846	46.93	ug/l	0.03
Spiked Amount			Recovery	=	93.86%	
50) Toluene-d8	10.42	98	849803	42.99	ug/l	0.02
Spiked Amount			Recovery	=	85.98%	
62) 4-Bromofluorobenzene	13.56	95	318146	42.58	ug/l	0.01
Spiked Amount			Recovery	=	85.16%	

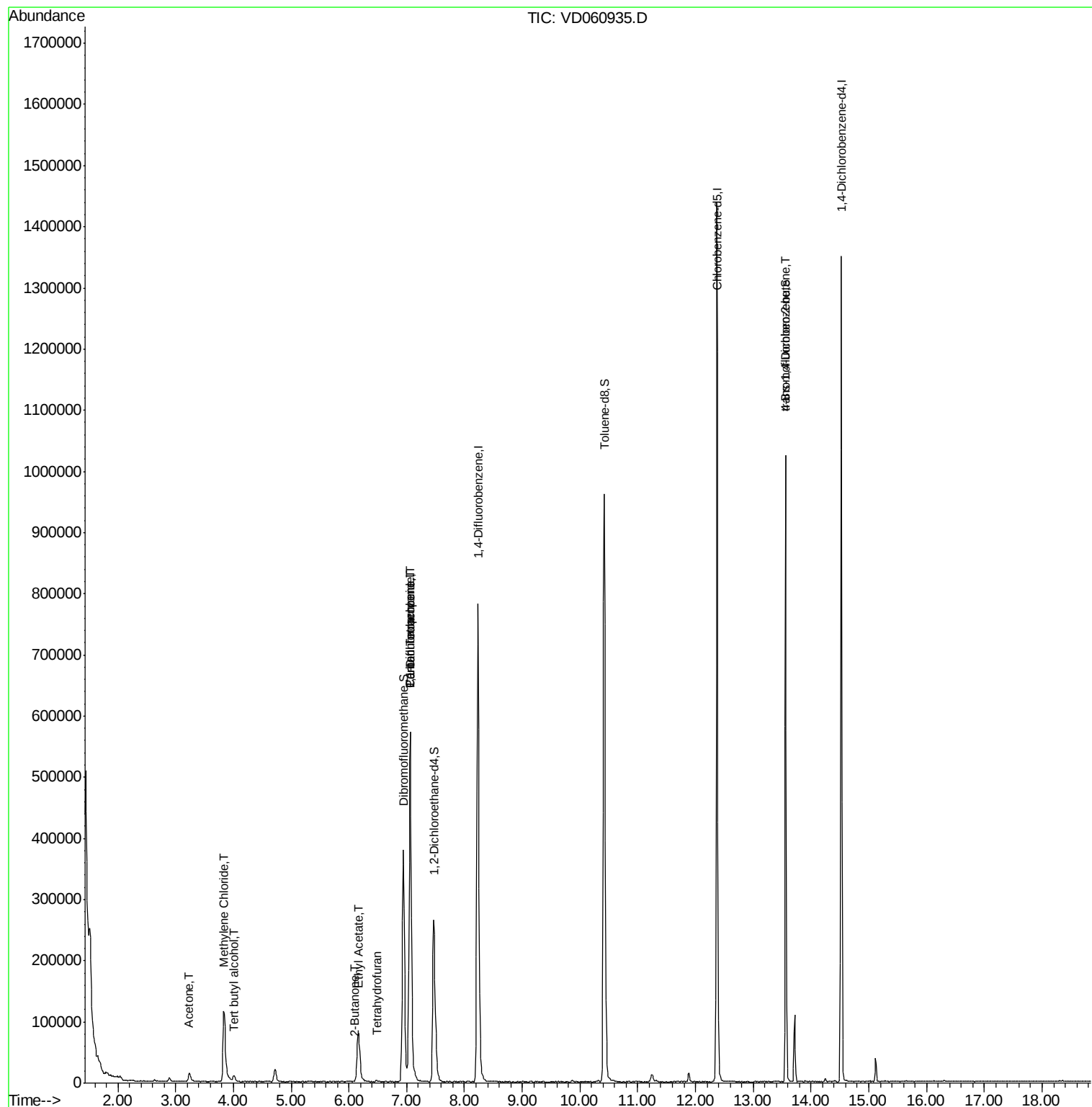
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.02	59	8805	24.849	ug/l #	77
16) Acetone	3.23	43	29609	18.652	ug/l	99
20) Methylene Chloride	3.84	84	92474	9.319	ug/l	96
25) 2-Butanone	6.09	43	2177	1.106	ug/l #	55
29) Tetrahydrofuran	6.48	42	2441	2.408	ug/l #	48
36) 1,1-Dichloropropene	7.06	75	43581	4.783	ug/l #	44
37) Ethyl Acetate	6.16	43	5378	1.148	ug/l #	1
38) Carbon Tetrachloride	7.06	117	55090	5.628	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.56	75	114713	73.282	ug/l #	20
89) n-Butylbenzene	14.80	91	263	Below Cal	#	29

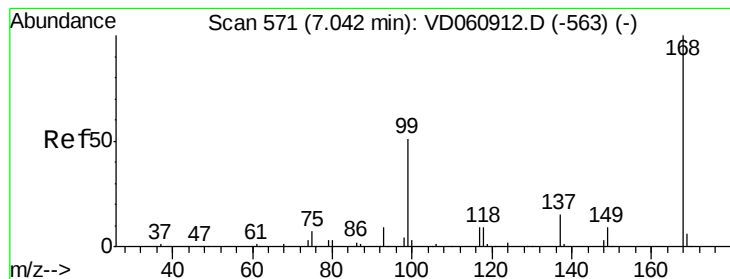
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060935.D
Acq On : 4 Mar 2019 20:36
Operator : VA/AP
Sample : K1714-08
Misc : 6.11g/5ml/MSVOA D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-B-2-5

Quant Time: Mar 05 01:34:48 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: VD060935.D

Acq: 4 Mar 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

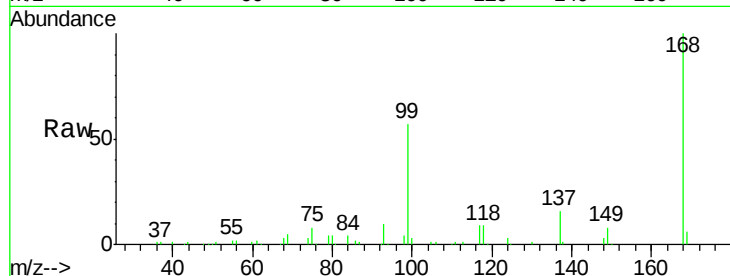
SB-B-2-5

Tot Ion:168 Resp: 575107

Ion Ratio Lower Upper

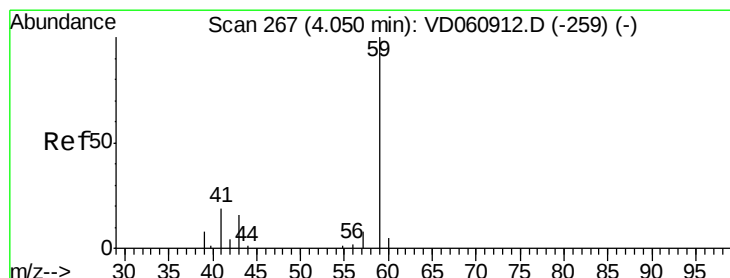
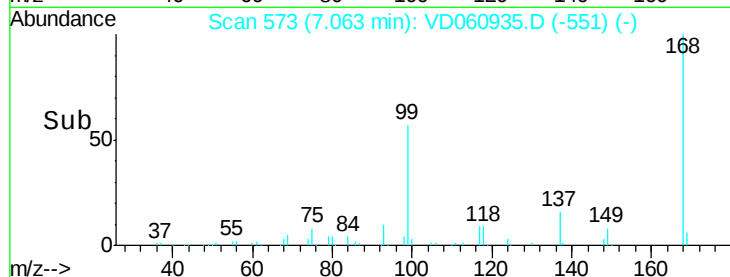
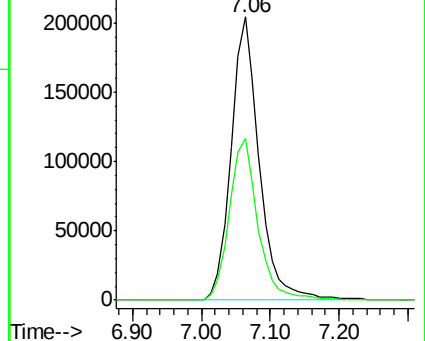
168 100

99 57.0 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 24.849 ug/l

RT: 4.02 min Scan# 264

Delta R.T. -0.03 min

Lab File: VD060935.D

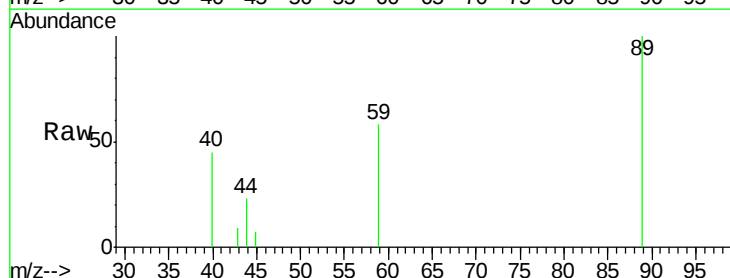
Acq: 4 Mar 2019 20:36

Tgt Ion: 59 Resp: 8805

Ion Ratio Lower Upper

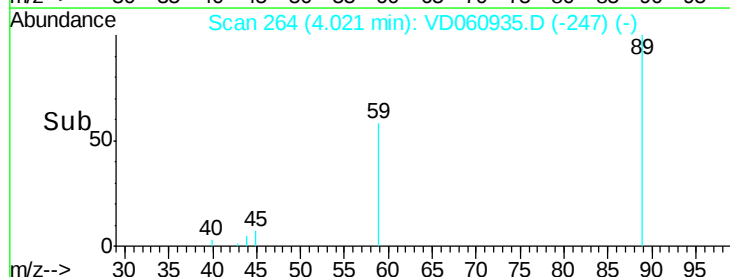
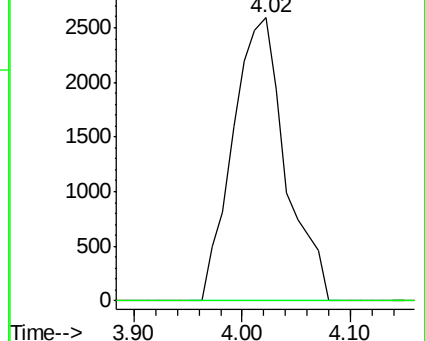
59 100

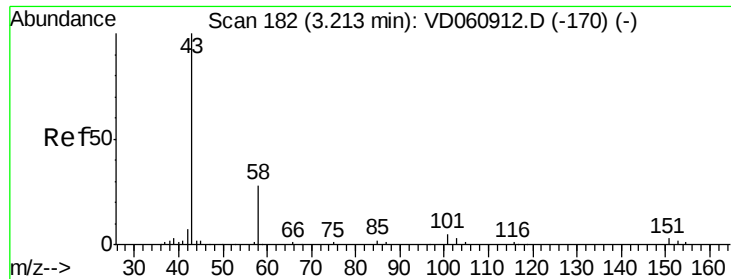
57 0.0 6.5 9.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

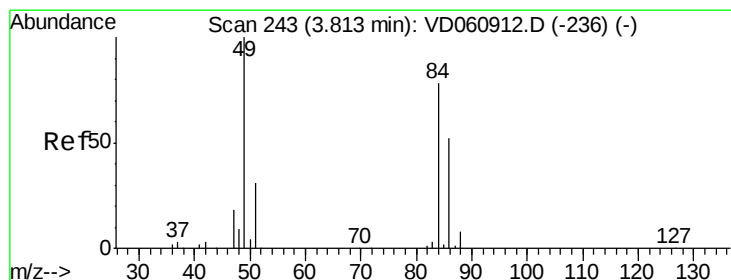
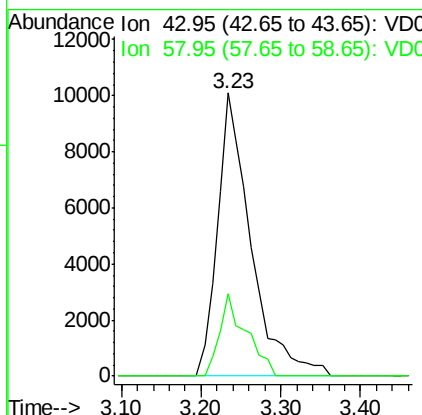
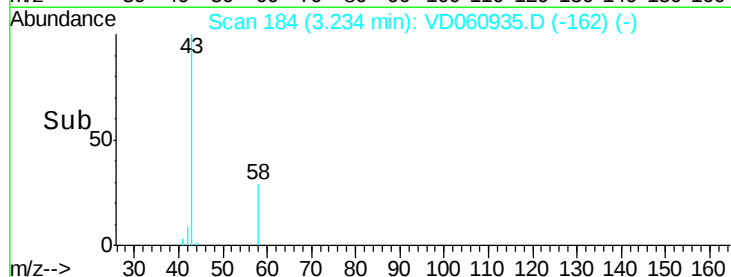
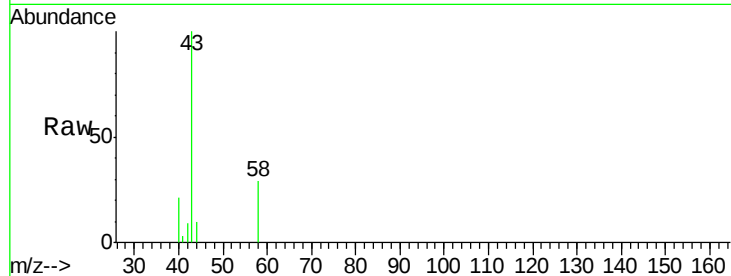




#16
Acetone
Concen: 18.652 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.02 min
Lab File: VD060935.D
Acq: 4 Mar 2019 20:36

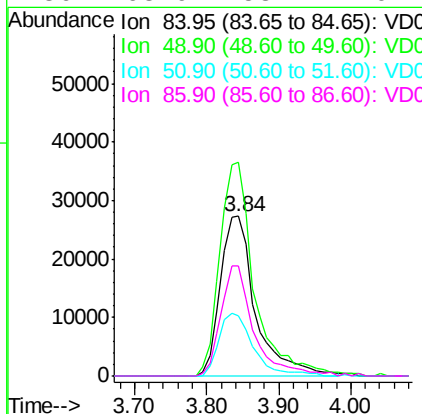
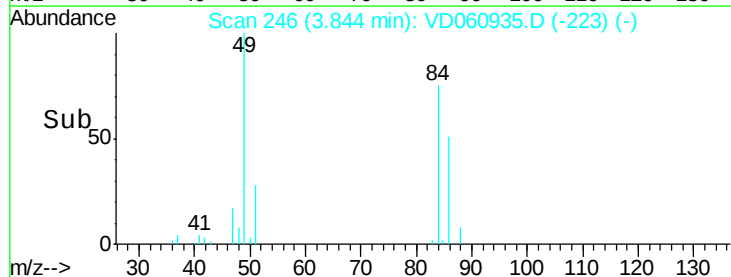
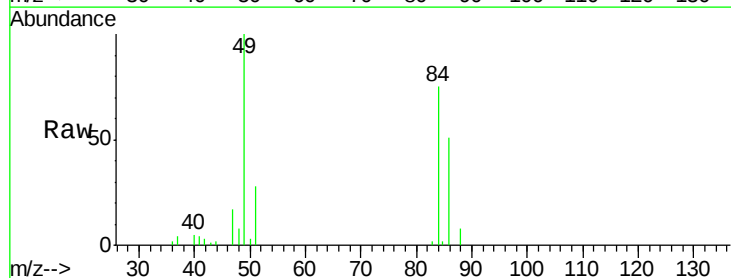
Instrument :
MSVOA_D
ClientSampleId :
SB-B-2-5

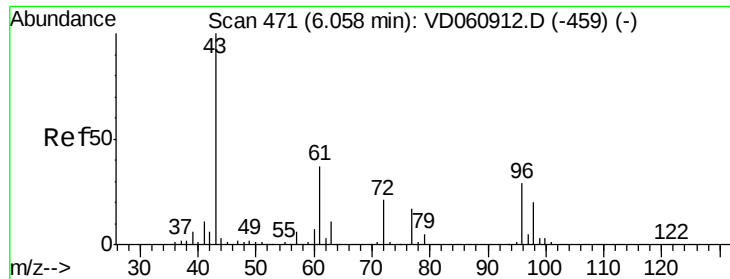
Tot Ion: 43 Resp: 29609
Ion Ratio Lower Upper
43 100
58 28.9 22.8 34.2



#20
Methylene Chloride
Concen: 9.319 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD060935.D
Acq: 4 Mar 2019 20:36

Tgt Ion: 84 Resp: 92474
Ion Ratio Lower Upper
84 100
49 133.9 102.4 153.6
51 37.3 31.9 47.9
86 68.9 53.1 79.7





#25

2-Butanone

Concen: 1.106 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.03 min

Lab File: VD060935.D

Acq: 4 Mar 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

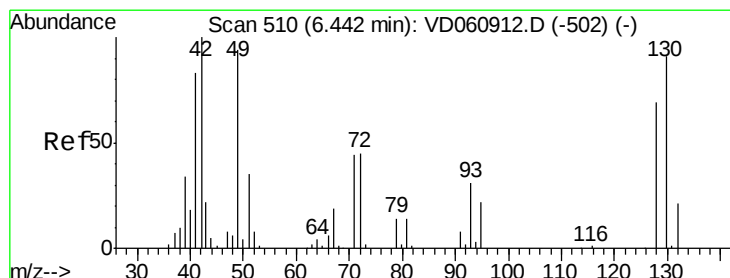
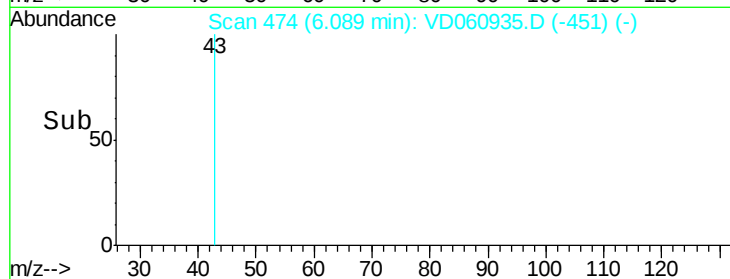
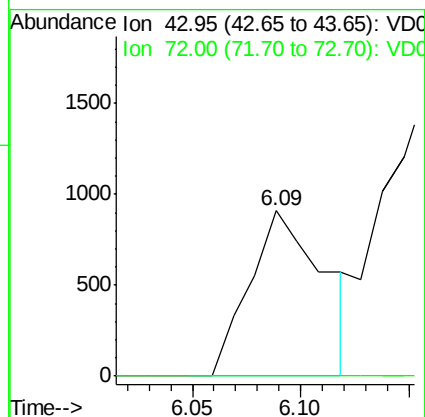
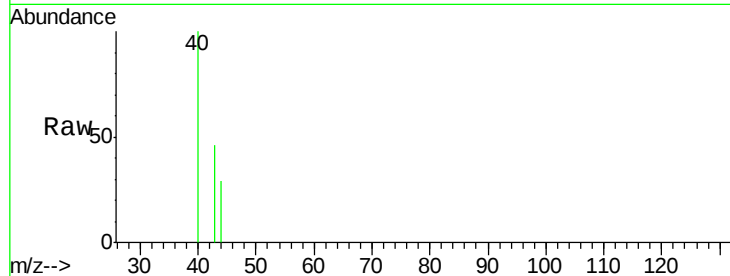
SB-B-2-5

Tot Ion: 43 Resp: 2177

Ion Ratio Lower Upper

43 100

72 0.0 17.0 25.4#



#29

Tetrahydrofuran

Concen: 2.408 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.04 min

Lab File: VD060935.D

Acq: 4 Mar 2019 20:36

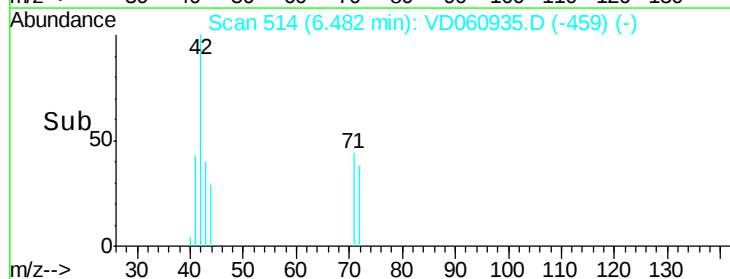
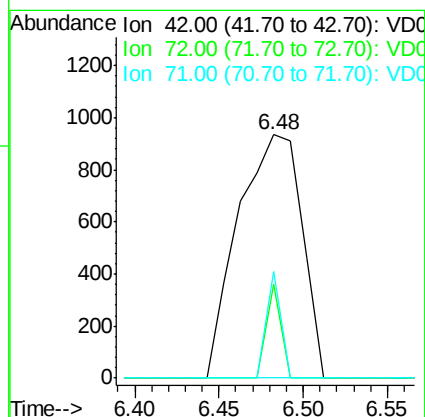
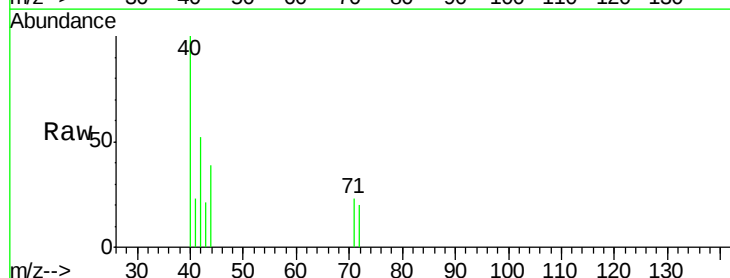
Tgt Ion: 42 Resp: 2441

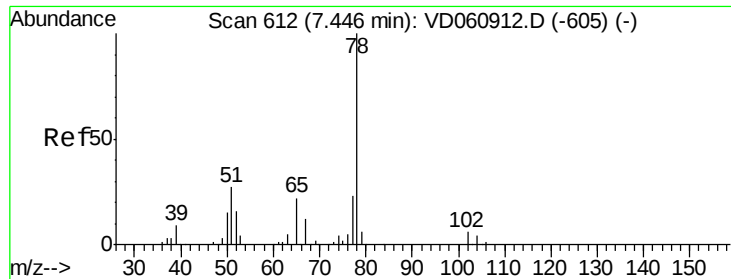
Ion Ratio Lower Upper

42 100

72 8.7 33.8 50.6#

71 10.0 33.5 50.3#

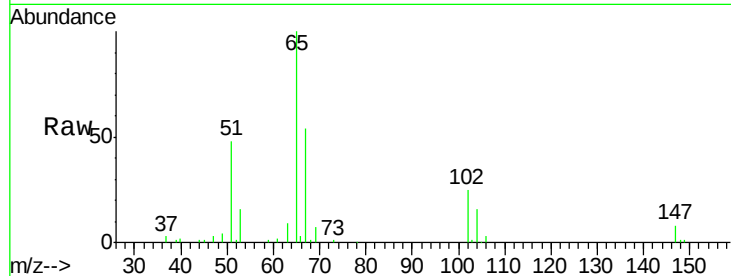




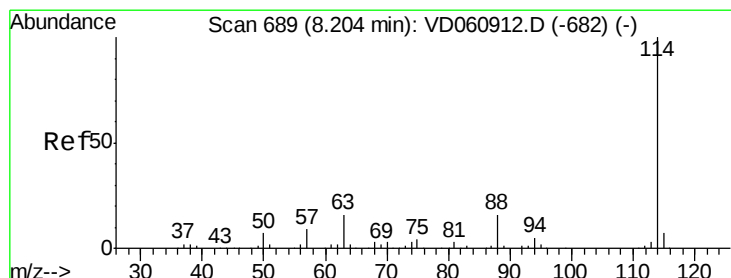
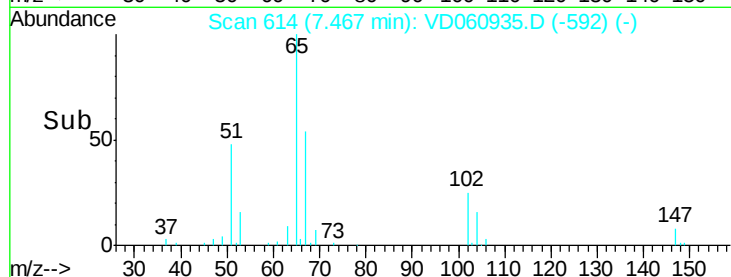
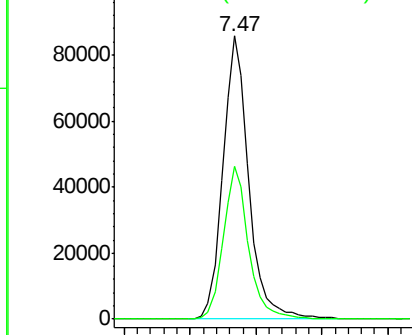
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD060935.D
 Acq: 4 Mar 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-B-2-5

Tot Ion: 65 Resp: 233674
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.4

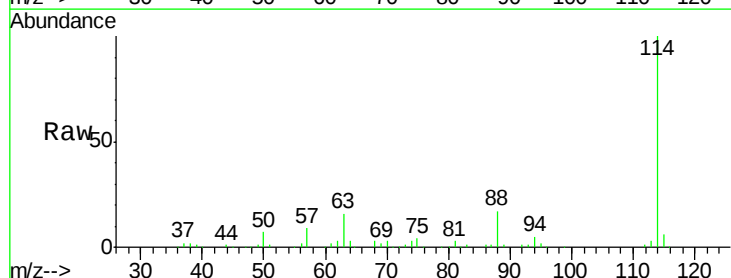


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

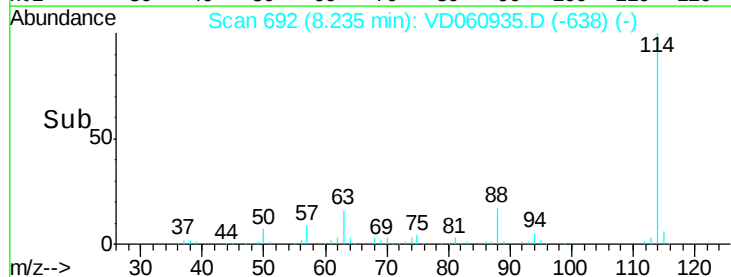
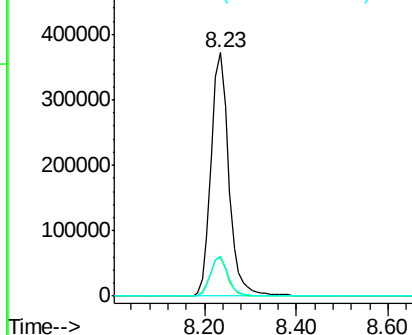


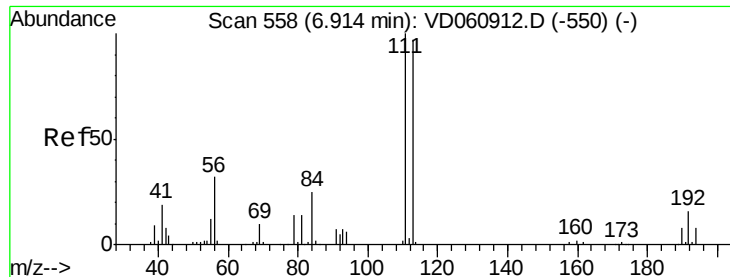
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD060935.D
 Acq: 4 Mar 2019 20:36

Tgt Ion: 114 Resp: 991016
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 32.0
 88 16.7 0.0 32.8



Abundance Ion 114.00 (113.70 to 114.70): VDC
 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: 6.95 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD060935.D

Acq: 4 Mar 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

SB-B-2-5

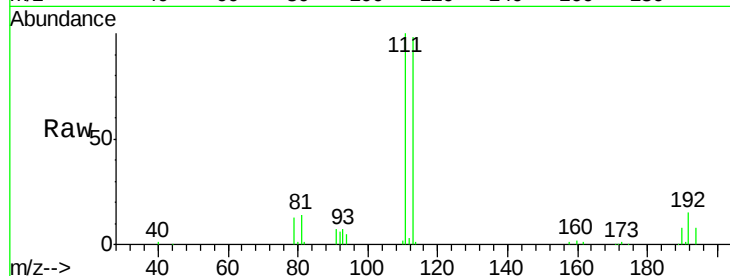
Tot Ion:113 Resp: 372846

Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

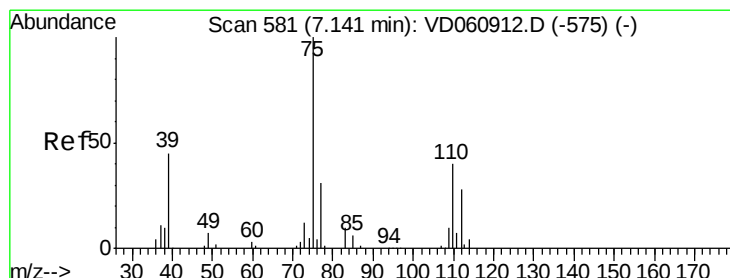
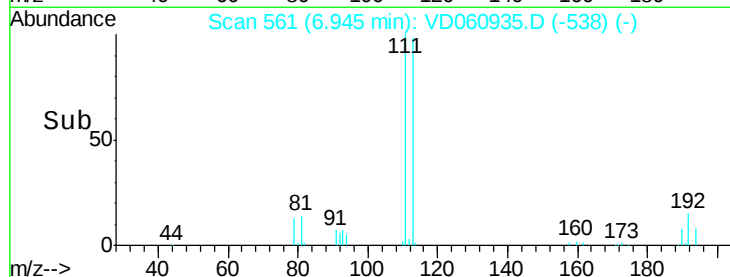
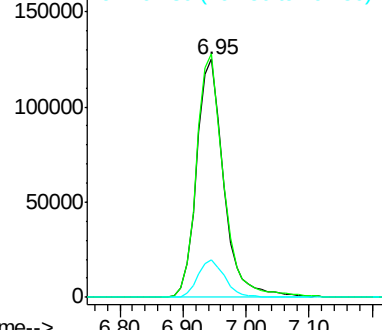
192 15.7 13.4 20.2



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: 4.783 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD060935.D

Acq: 4 Mar 2019 20:36

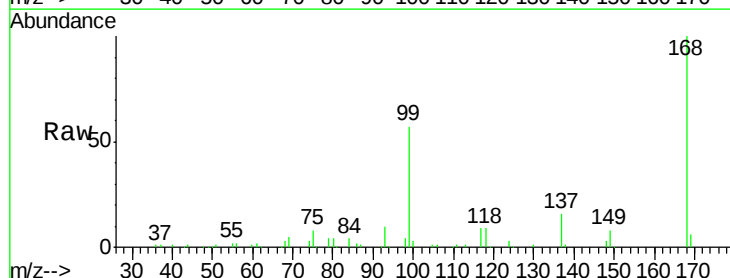
Tgt Ion: 75 Resp: 43581

Ion Ratio Lower Upper

75 100

110 5.9 19.9 59.7#

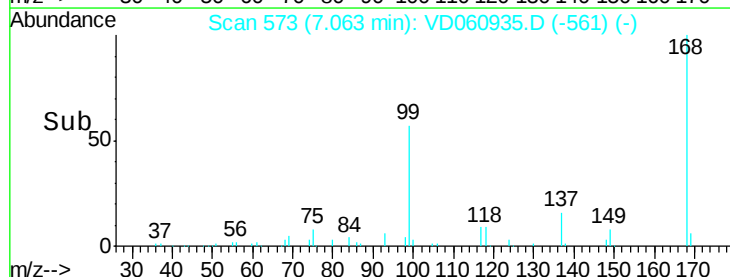
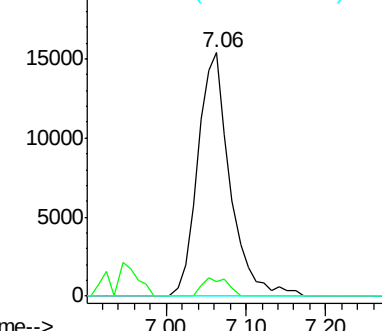
77 0.0 25.0 37.6#

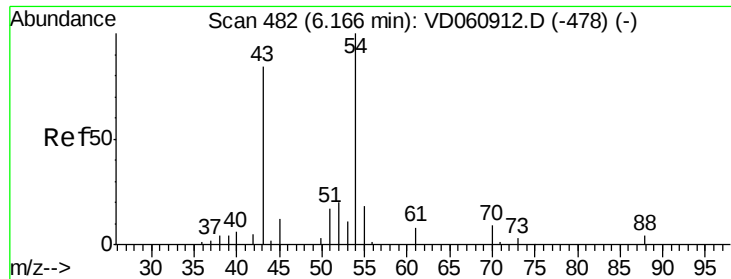


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

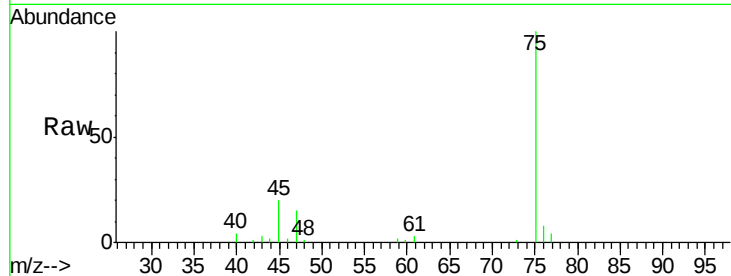




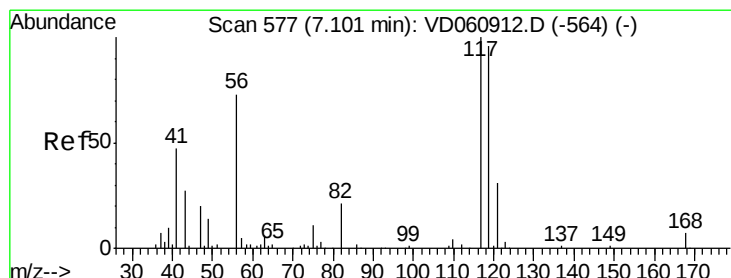
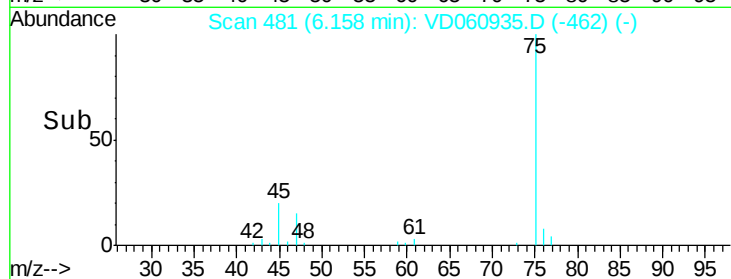
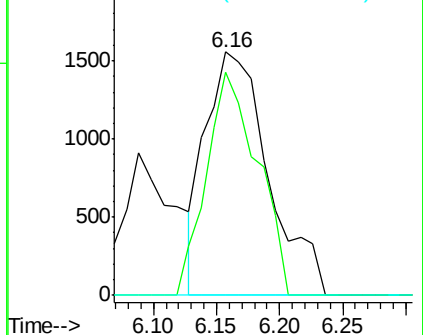
#37
Ethyl Acetate
Concen: 1.148 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD060935.D
Acq: 4 Mar 2019 20:36

Instrument :
MSVOA_D
ClientSampleID :
SB-B-2-5

Tot Ion: 43 Resp: 5378
Ion Ratio Lower Upper
43 100
61 91.5 12.1 18.1#
70 0.0 7.3 10.9#

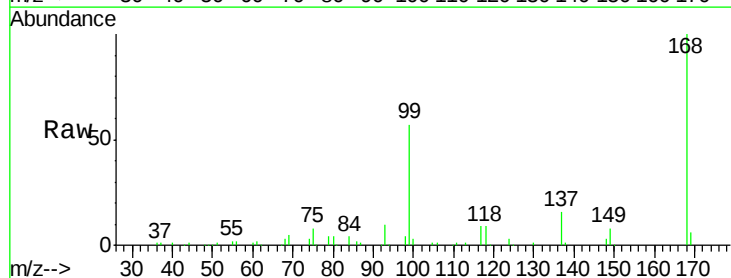


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

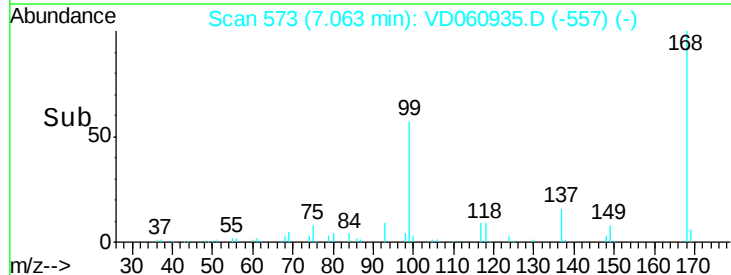
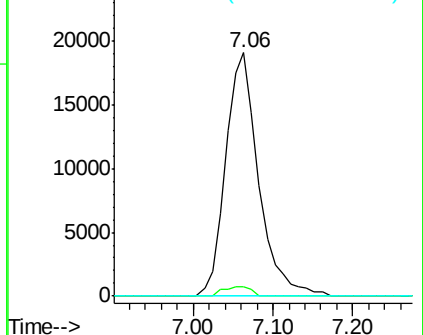


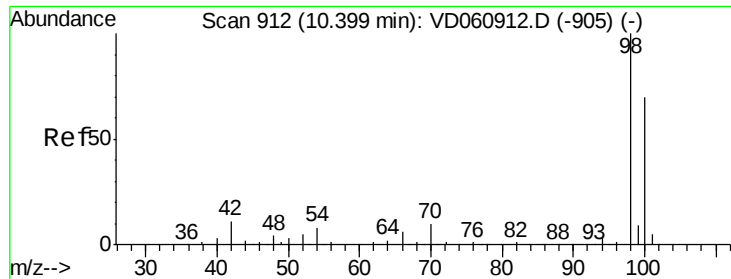
#38
Carbon Tetrachloride
Concen: 5.628 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD060935.D
Acq: 4 Mar 2019 20:36

Tgt Ion: 117 Resp: 55090
Ion Ratio Lower Upper
117 100
119 3.8 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: VD060935.D

Acq: 4 Mar 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

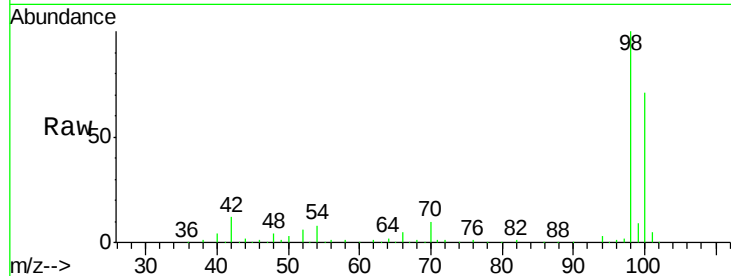
SB-B-2-5

Tot Ion: 98 Resp: 849803

Ion Ratio Lower Upper

98 100

100 71.4 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

400000

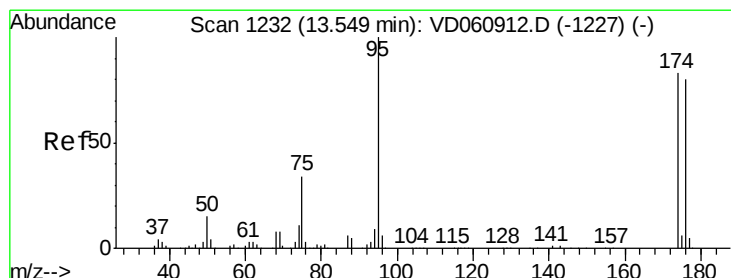
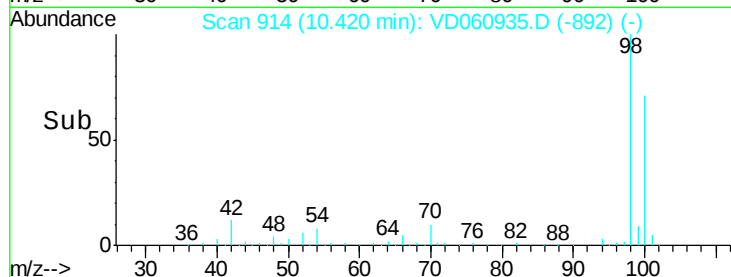
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060935.D

Acq: 4 Mar 2019 20:36

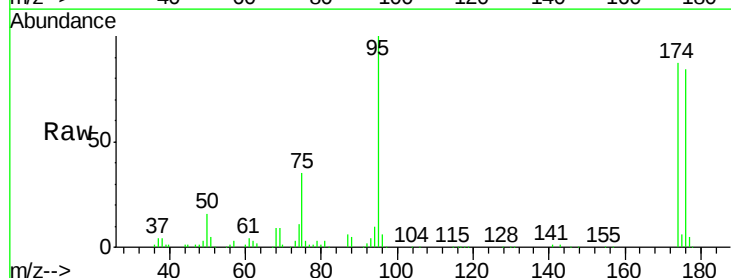
Tgt Ion: 95 Resp: 318146

Ion Ratio Lower Upper

95 100

174 87.2 0.0 165.6

176 83.9 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) (-)

300000

250000

200000

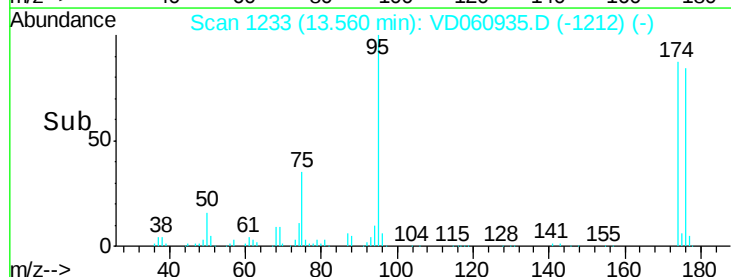
150000

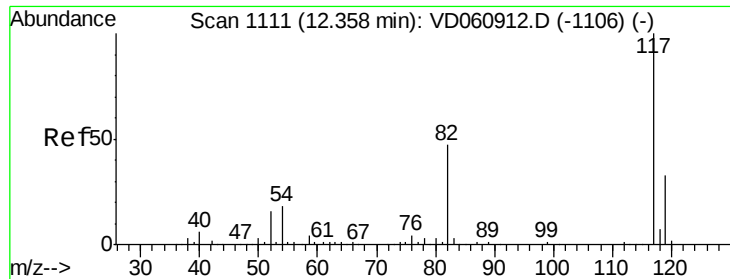
100000

50000

0

Time-->

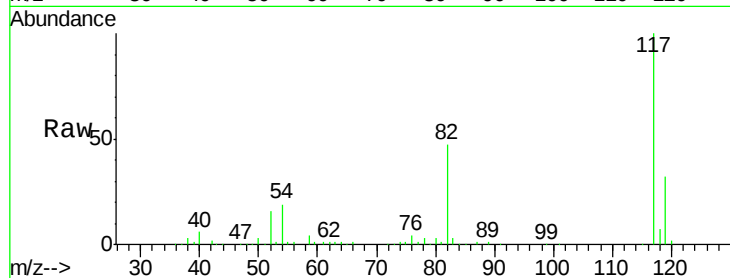




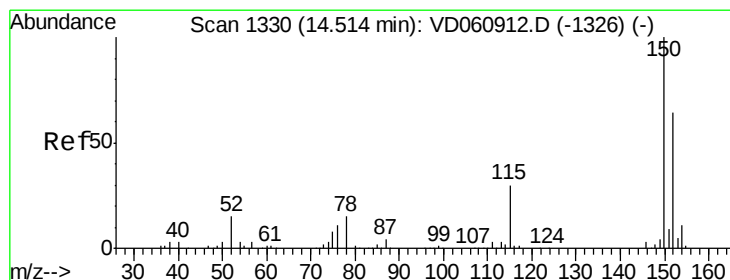
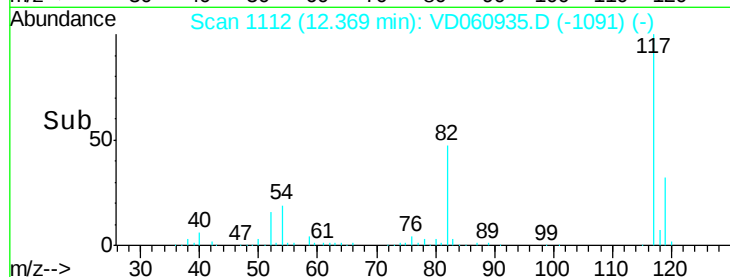
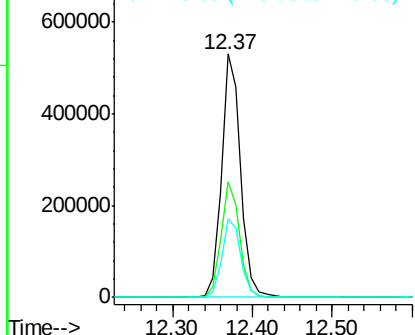
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060935.D
Acq: 4 Mar 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
SB-B-2-5

Tot Ion:117 Resp: 888257
Ion Ratio Lower Upper
117 100
82 47.4 37.5 56.3
119 32.1 26.2 39.2

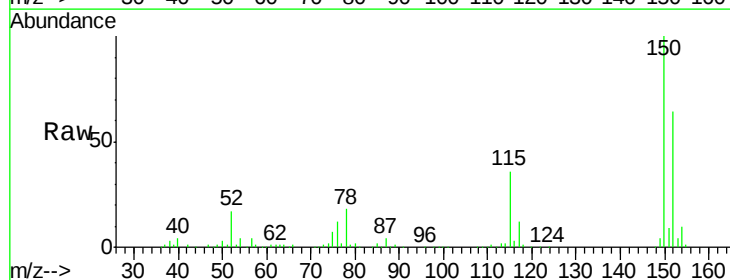


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

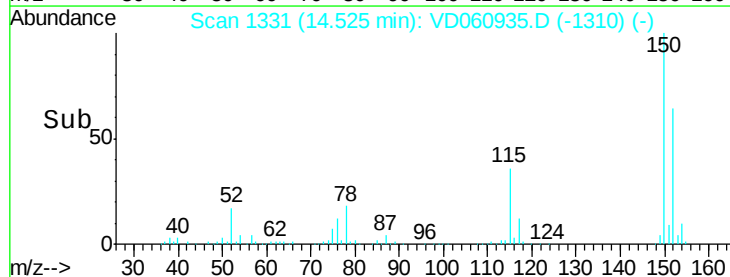
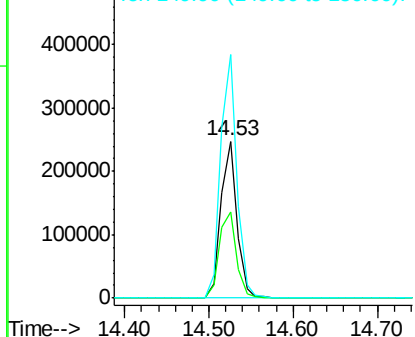


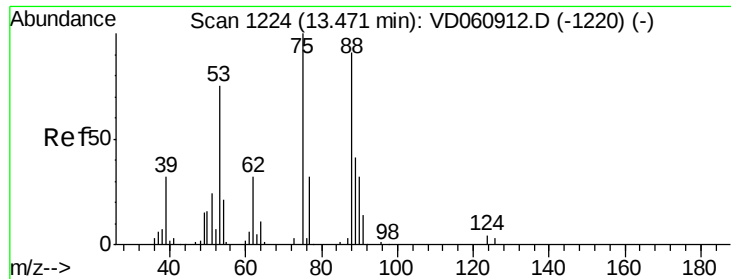
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD060935.D
Acq: 4 Mar 2019 20:36

Tgt Ion:152 Resp: 326440
Ion Ratio Lower Upper
152 100
115 55.3 27.6 82.8
150 155.3 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





#81

trans-1,4-Dichloro-2-butene

Concen: 73.282 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060935.D

Acq: 4 Mar 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

SB-B-2-5

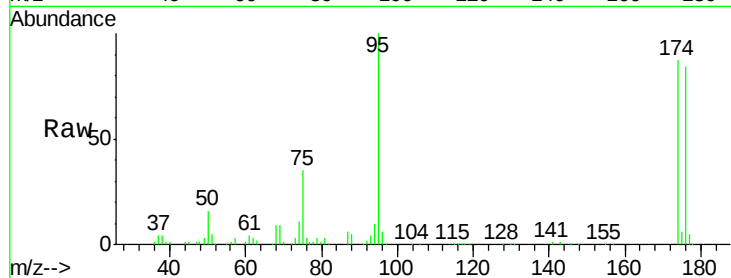
Tot Ion: 75 Resp: 114713

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

