

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061080.D
 Acq On : 15 Mar 2019 11:50
 Operator : VA/AP
 Sample : VD0315SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBL01

Quant Time: Mar 16 05:40:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	773851	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1313061	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	1020632	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	506907	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	291201	45.21	ug/l	0.03
Spiked Amount			Recovery	=	90.42%	
35) Dibromofluoromethane	6.95	113	469404	48.17	ug/l	0.03
Spiked Amount			Recovery	=	96.34%	
50) Toluene-d8	10.43	98	1087869	44.46	ug/l	0.03
Spiked Amount			Recovery	=	88.92%	
62) 4-Bromofluorobenzene	13.57	95	438328	46.16	ug/l	0.02
Spiked Amount			Recovery	=	92.32%	

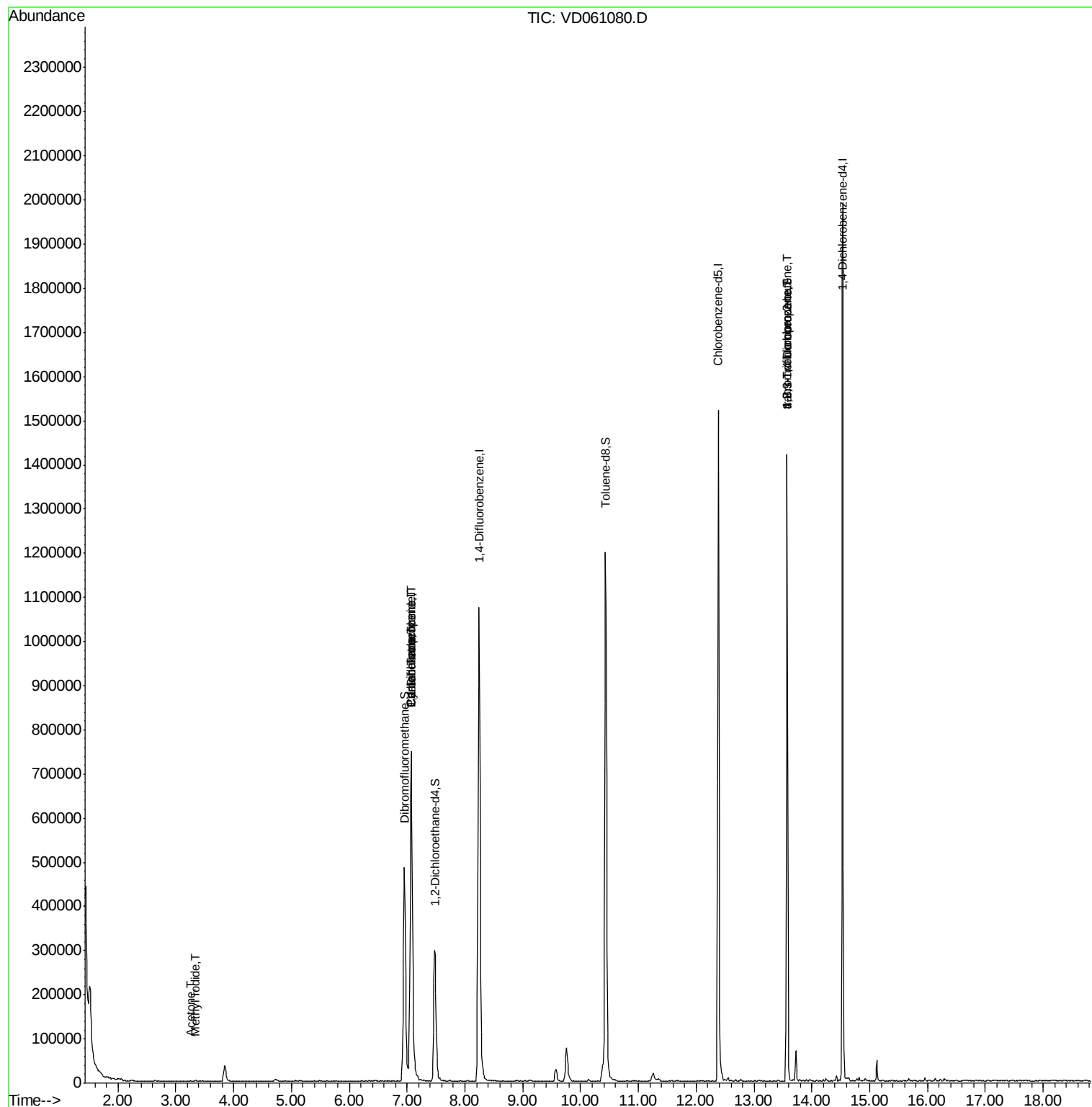
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.35	142	4209	3.237	ug/l #	81
16) Acetone	3.25	43	2193	1.191	ug/l #	48
20) Methylene Chloride	3.84	84	28051	Below Cal		98
31) Cyclohexane	7.07	56	13592	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	55756	4.926	ug/l #	47
38) Carbon Tetrachloride	7.07	117	74442	5.971	ug/l #	15
76) 1,2,3-Trichloropropane	13.57	75	152199	20.870	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.57	75	160302	74.557	ug/l #	17

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

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Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBL01

Quant Time: Mar 16 05:40:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 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: VD061080.D

Acq: 15 Mar 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

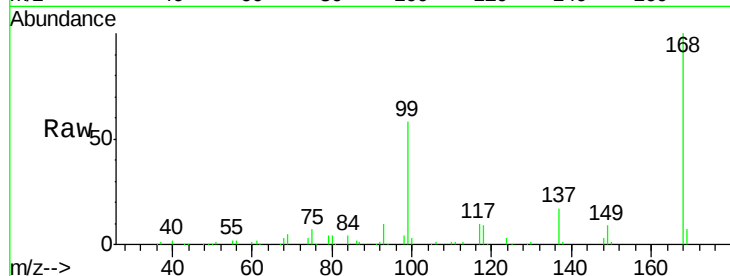
VD0315SBL01

Tot Ion:168 Resp: 773851

Ion Ratio Lower Upper

168 100

99 58.1 47.3 70.9

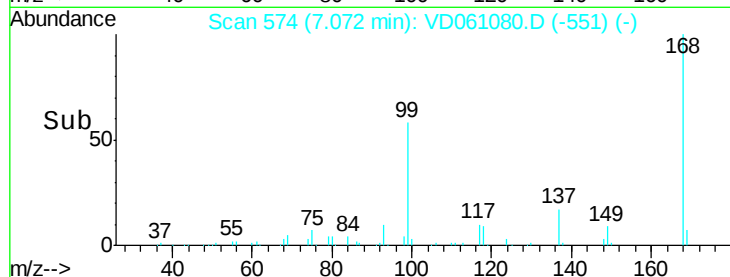


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.07

Time-->

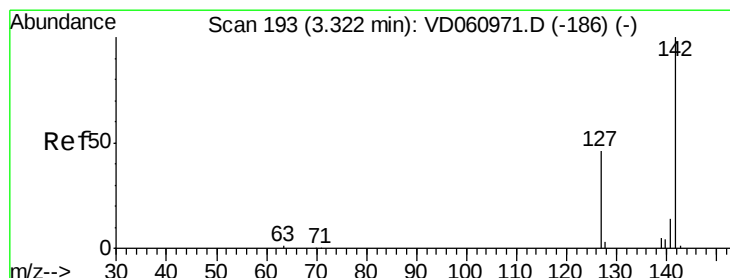


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.07

Time-->



#10

Methyl Iodide

Concen: 3.237 ug/l

RT: 3.35 min Scan# 196

Delta R.T. 0.03 min

Lab File: VD061080.D

Acq: 15 Mar 2019 11:50

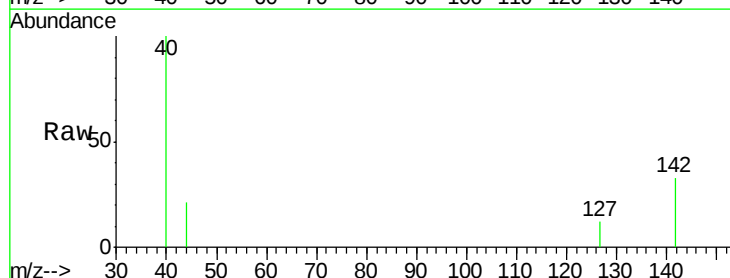
Tgt Ion:142 Resp: 4209

Ion Ratio Lower Upper

142 100

127 36.9 36.8 55.2

141 0.0 11.2 16.8#



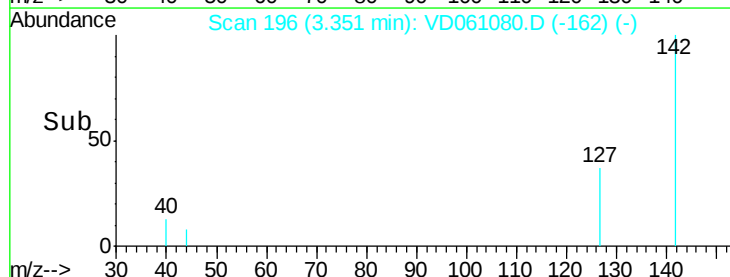
Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.35

Time-->





#16

Acetone

Concen: 1.191 ug/l

RT: 3.25 min Scan# 186

Delta R.T. 0.03 min

Lab File: VD061080.D

Acq: 15 Mar 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

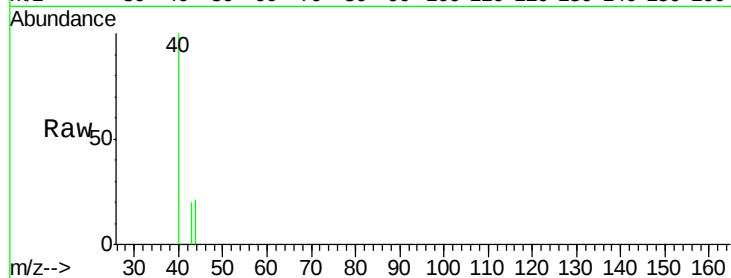
VD0315SBL01

Tot Ion: 43 Resp: 2193

Ion Ratio Lower Upper

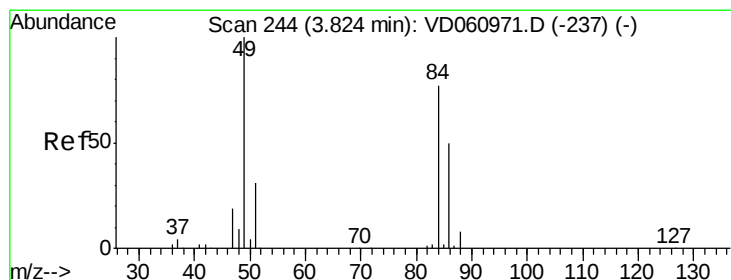
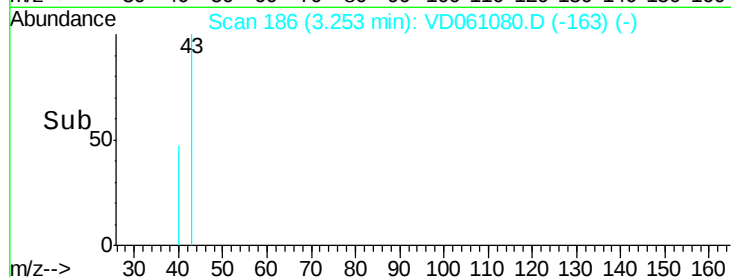
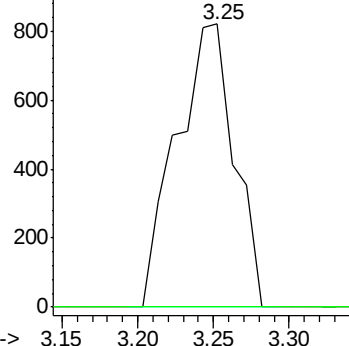
43 100

58 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.84 min Scan# 246

Delta R.T. 0.02 min

Lab File: VD061080.D

Acq: 15 Mar 2019 11:50

Tgt Ion: 84 Resp: 28051

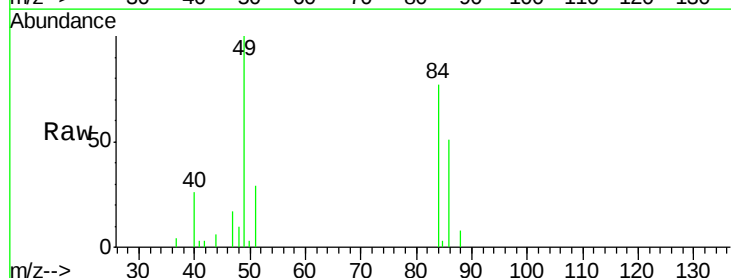
Ion Ratio Lower Upper

84 100

49 129.2 104.2 156.2

51 37.4 32.3 48.5

86 66.5 52.3 78.5

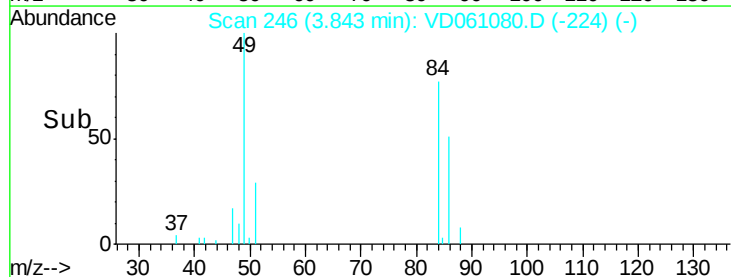
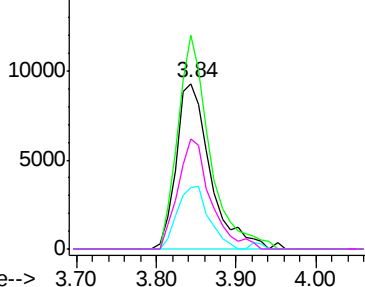


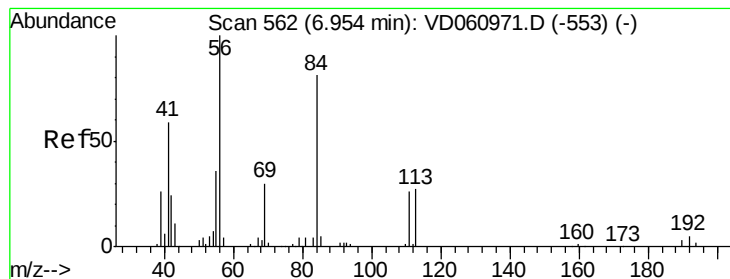
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#31

Cyclohexane

Concen: 1.192 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.12 min

Lab File: VD061080.D

Acq: 15 Mar 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBL01

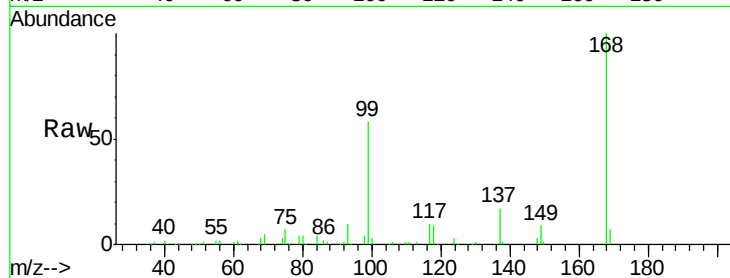
Tot Ion: 56 Resp: 13592

Ion Ratio Lower Upper

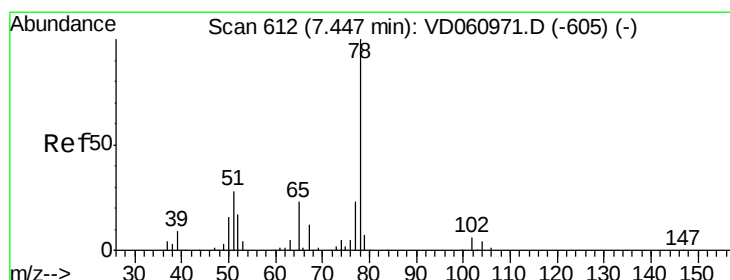
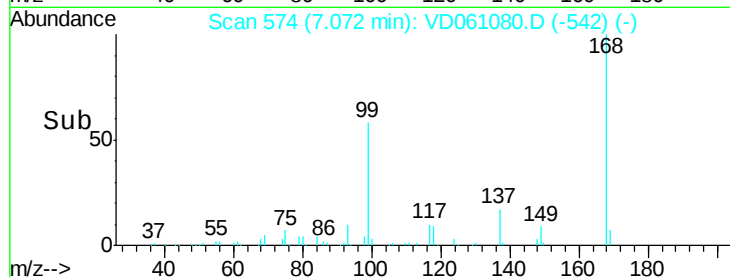
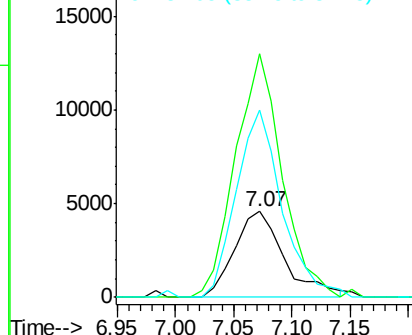
56 100

69 283.2 24.0 36.0#

84 217.5 65.8 98.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061080.D

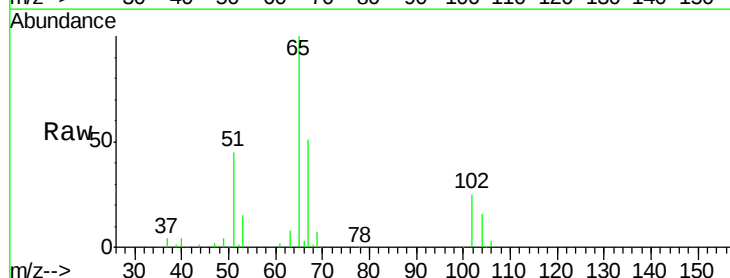
Acq: 15 Mar 2019 11:50

Tgt Ion: 65 Resp: 291201

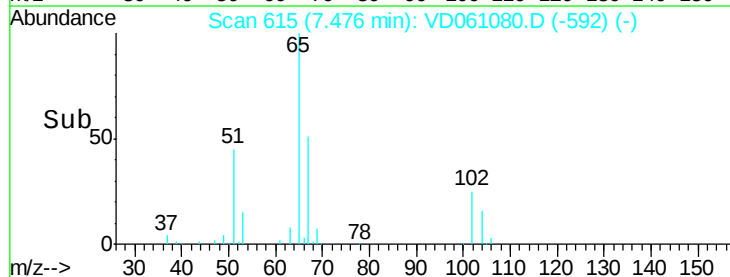
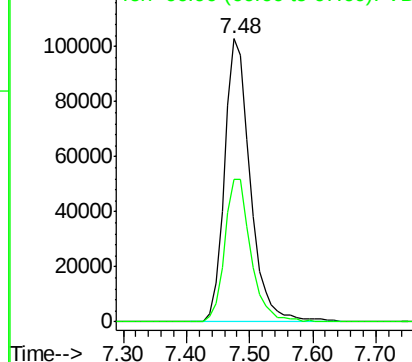
Ion Ratio Lower Upper

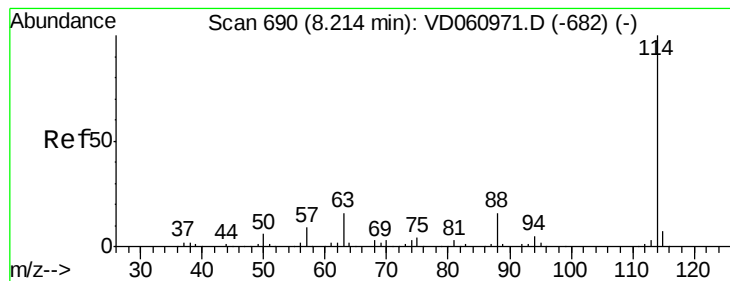
65 100

67 50.5 0.0 105.2



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: 8.24 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061080.D

Acq: 15 Mar 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBL01

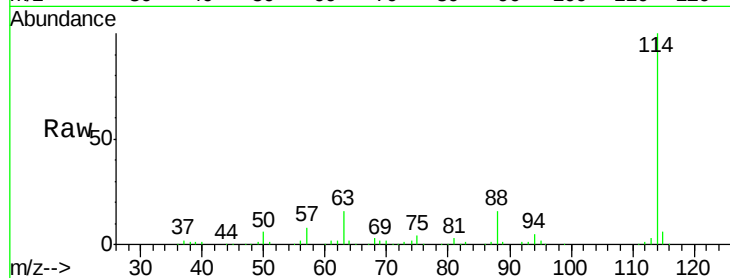
Tot Ion:114 Resp: 1313061

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.4

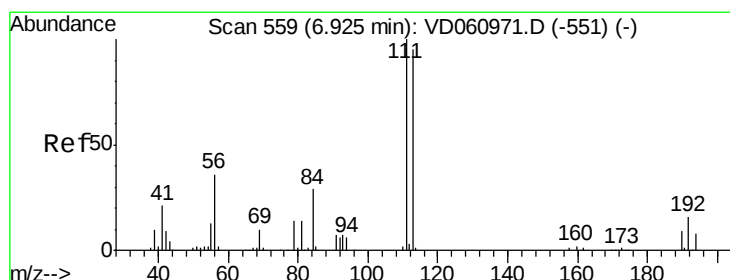
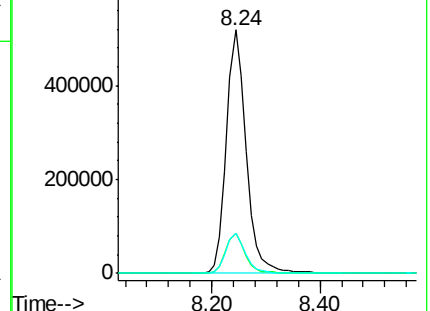
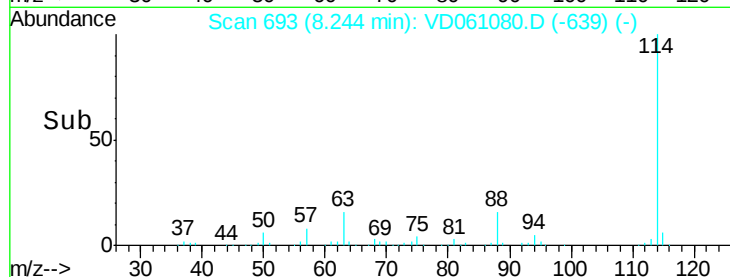
88 16.3 0.0 33.0



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: 6.95 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061080.D

Acq: 15 Mar 2019 11:50

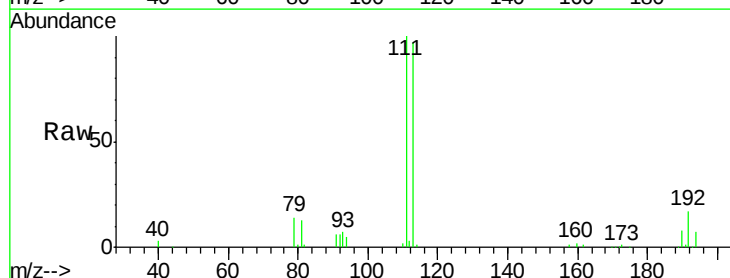
Tgt Ion:113 Resp: 469404

Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.4

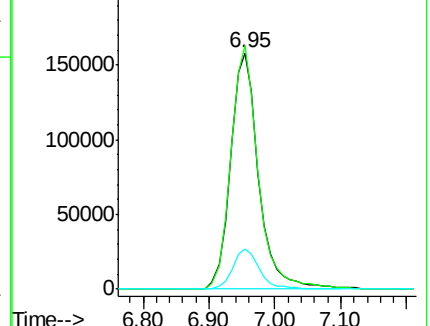
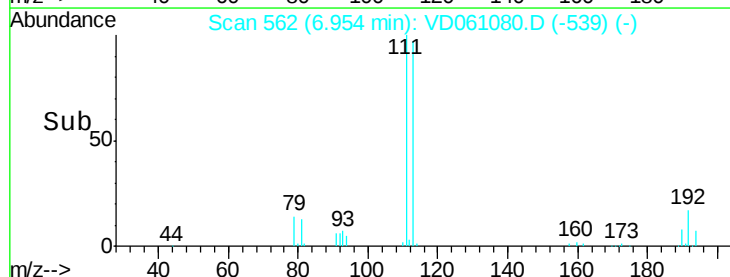
192 17.0 13.1 19.7

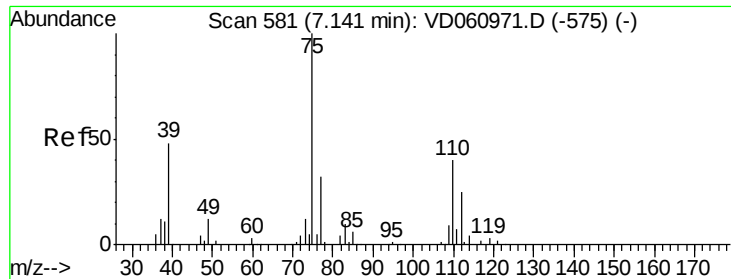


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.926 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.07 min

Lab File: VD061080.D

Acq: 15 Mar 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBL01

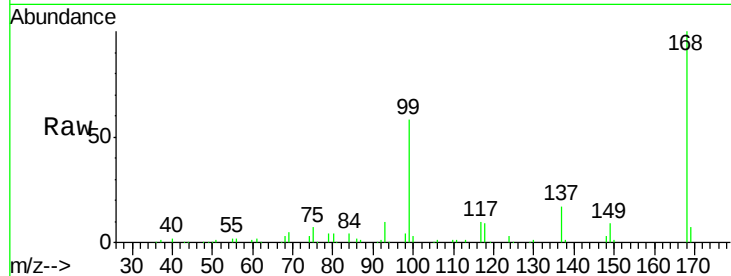
Tot Ion: 75 Resp: 55756

Ion Ratio Lower Upper

75 100

110 8.2 19.7 59.1#

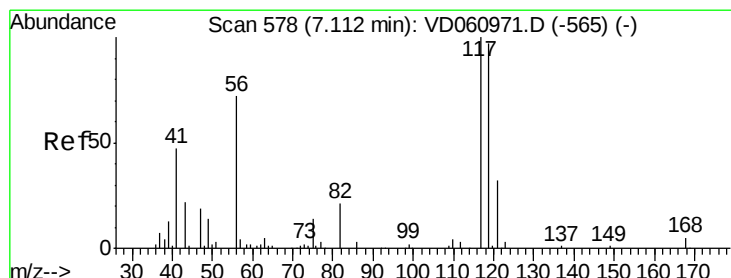
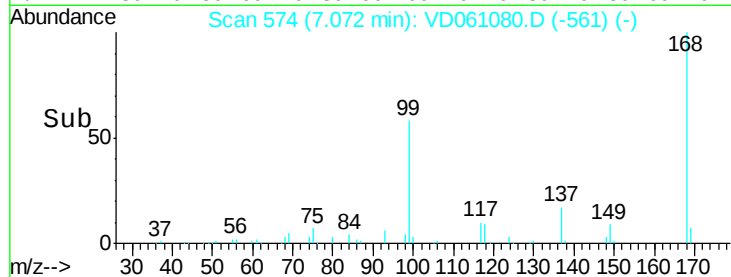
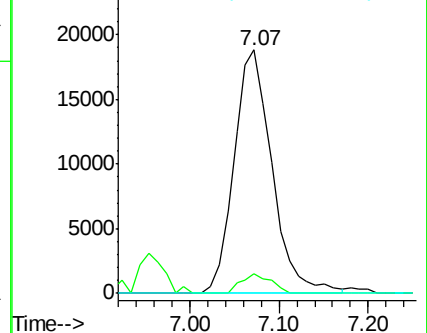
77 0.0 24.7 37.1#



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



#38

Carbon Tetrachloride

Concen: 5.971 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD061080.D

Acq: 15 Mar 2019 11:50

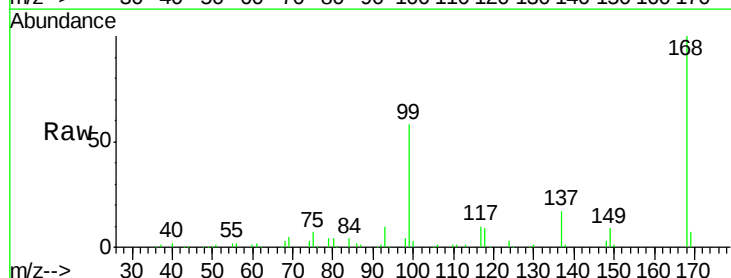
Tgt Ion: 117 Resp: 74442

Ion Ratio Lower Upper

117 100

119 4.3 77.8 116.8#

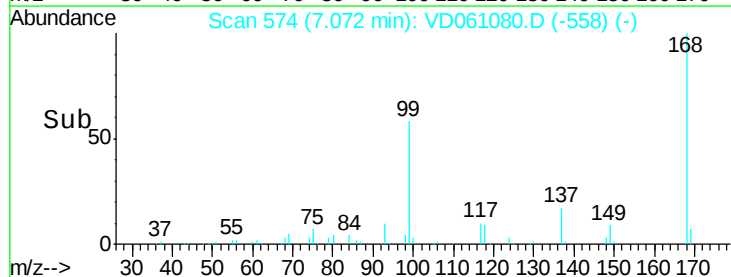
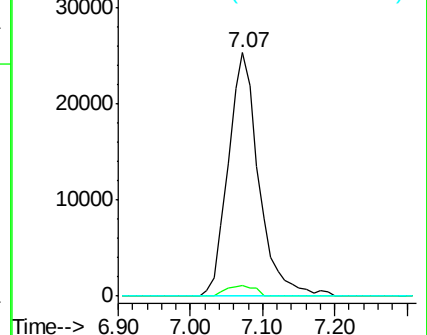
121 0.0 25.3 37.9#

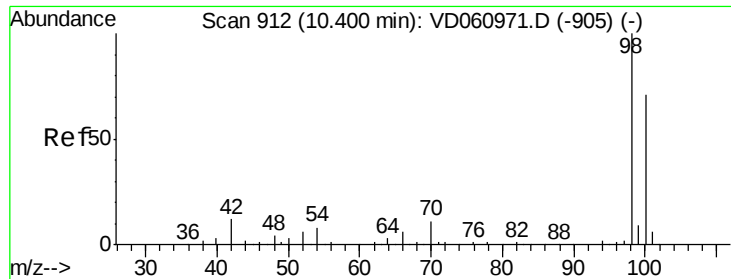


Abundance Ion 116.85 (116.55 to 117.55): V

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: VD061080.D

Acq: 15 Mar 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

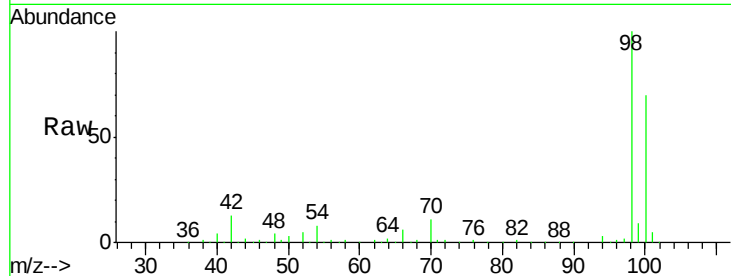
VD0315SBL01

Tot Ion: 98 Resp: 1087869

Ion Ratio Lower Upper

98 100

100 70.2 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

10.43

400000

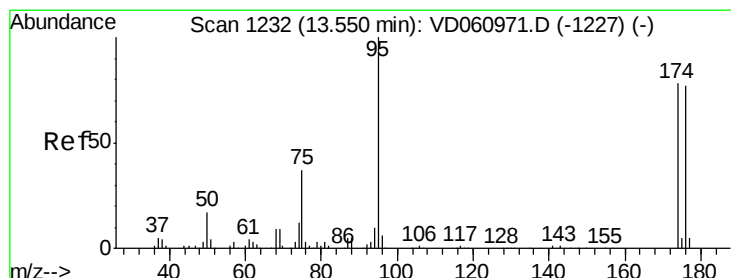
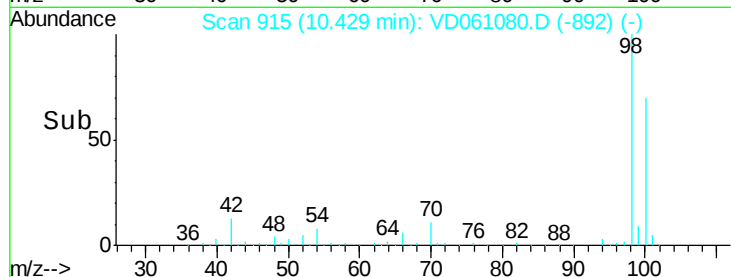
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061080.D

Acq: 15 Mar 2019 11:50

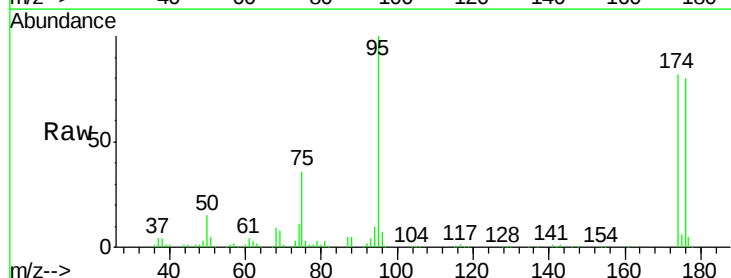
Tgt Ion: 95 Resp: 438328

Ion Ratio Lower Upper

95 100

174 81.9 0.0 155.6

176 80.0 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

400000

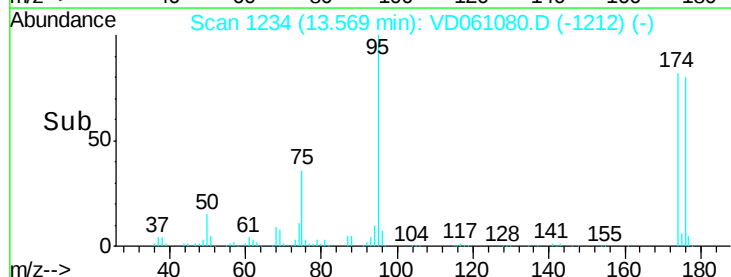
300000

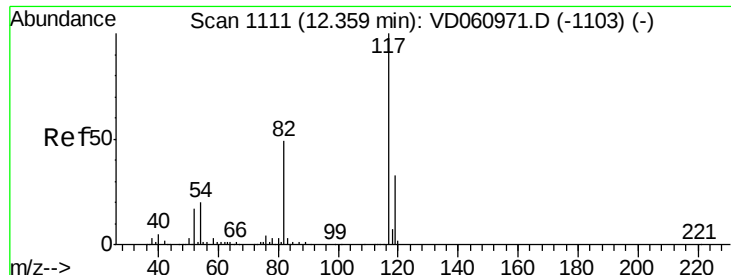
200000

100000

0

Time-->

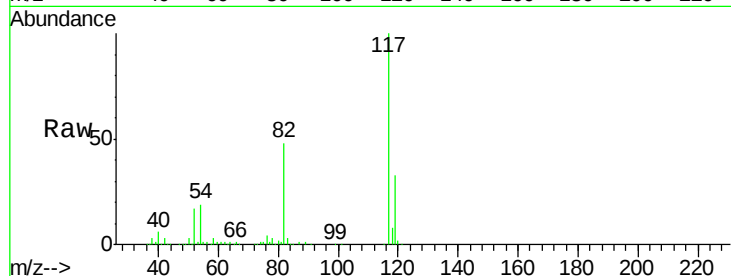




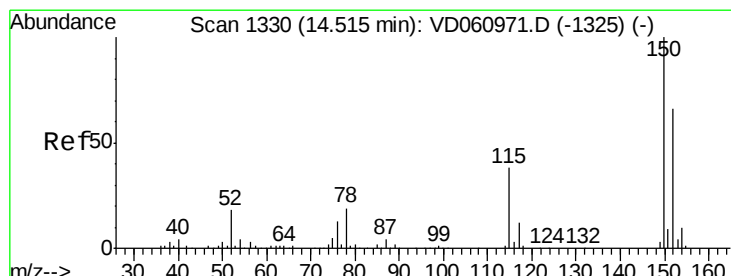
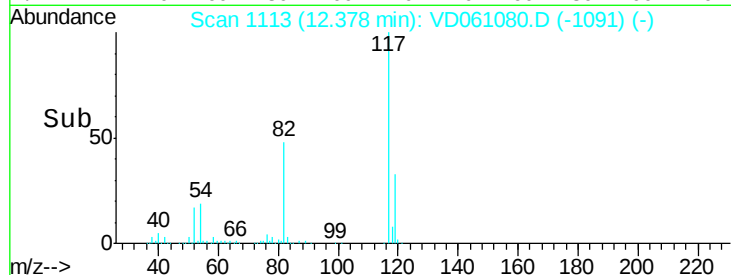
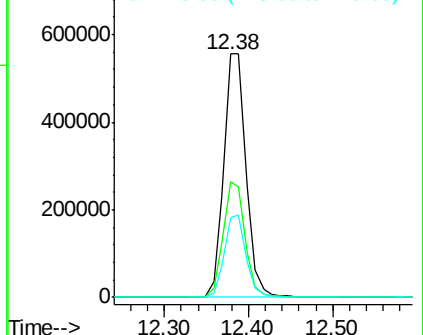
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061080.D
Acq: 15 Mar 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBL01

Tot Ion:117 Resp: 1020632
Ion Ratio Lower Upper
117 100
82 47.6 38.9 58.3
119 32.8 26.6 39.8

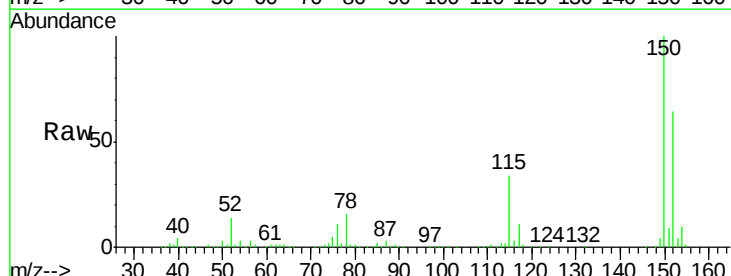


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

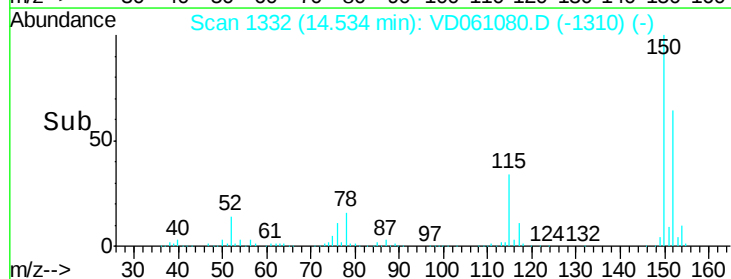
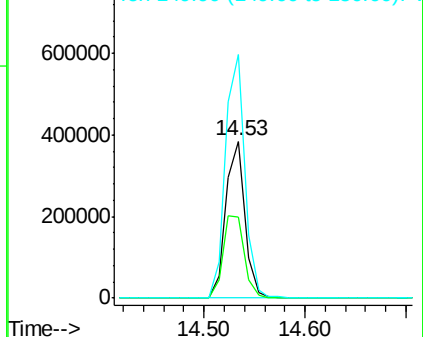


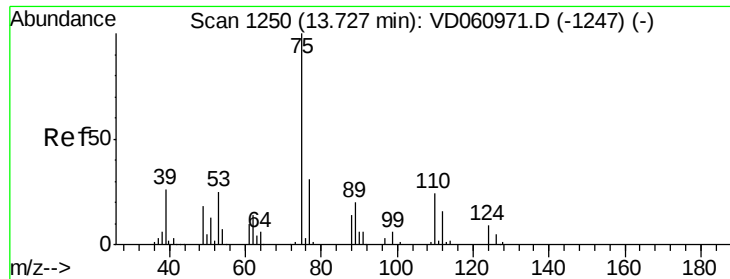
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD061080.D
Acq: 15 Mar 2019 11:50

Tgt Ion:152 Resp: 506907
Ion Ratio Lower Upper
152 100
115 52.1 28.6 85.9
150 155.3 0.0 310.6



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

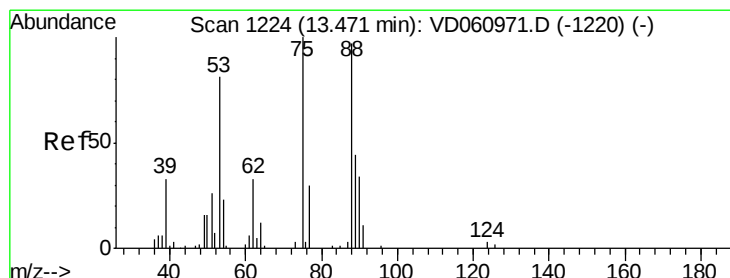
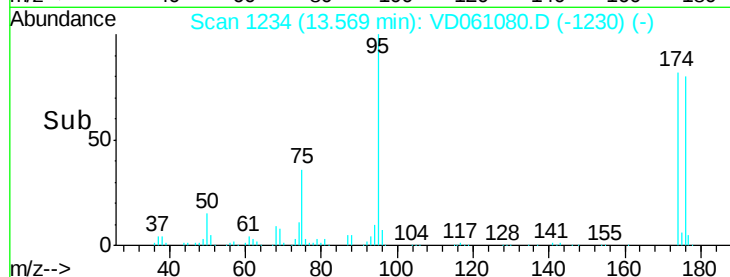
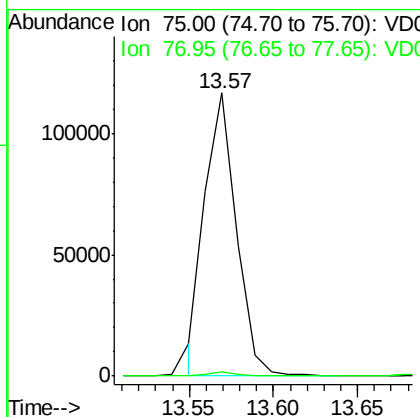
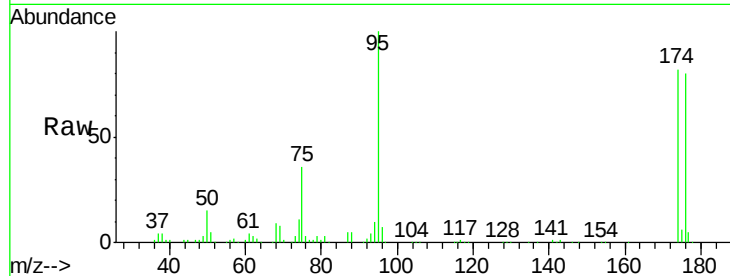




#76
 1,2,3-Trichloropropane
 Concen: 20.870 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. -0.16 min
 Lab File: VD061080.D
 Acq: 15 Mar 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBL01

Tot Ion: 75 Resp: 152199
 Ion Ratio Lower Upper
 75 100
 77 1.6 16.6 49.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.557 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.10 min
 Lab File: VD061080.D
 Acq: 15 Mar 2019 11:50

Tgt Ion: 75 Resp: 160302
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

