

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061138.D
 Acq On : 18 Mar 2019 11:46
 Operator : VA/AP
 Sample : VD0318SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:14:06 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	7.05	168	696818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1146183	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	903093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	359561	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	289971	49.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.98%	
35) Dibromofluoromethane	6.92	113	447985	52.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.34%	
50) Toluene-d8	10.40	98	1079966	50.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	13.55	95	378528	45.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.34%	

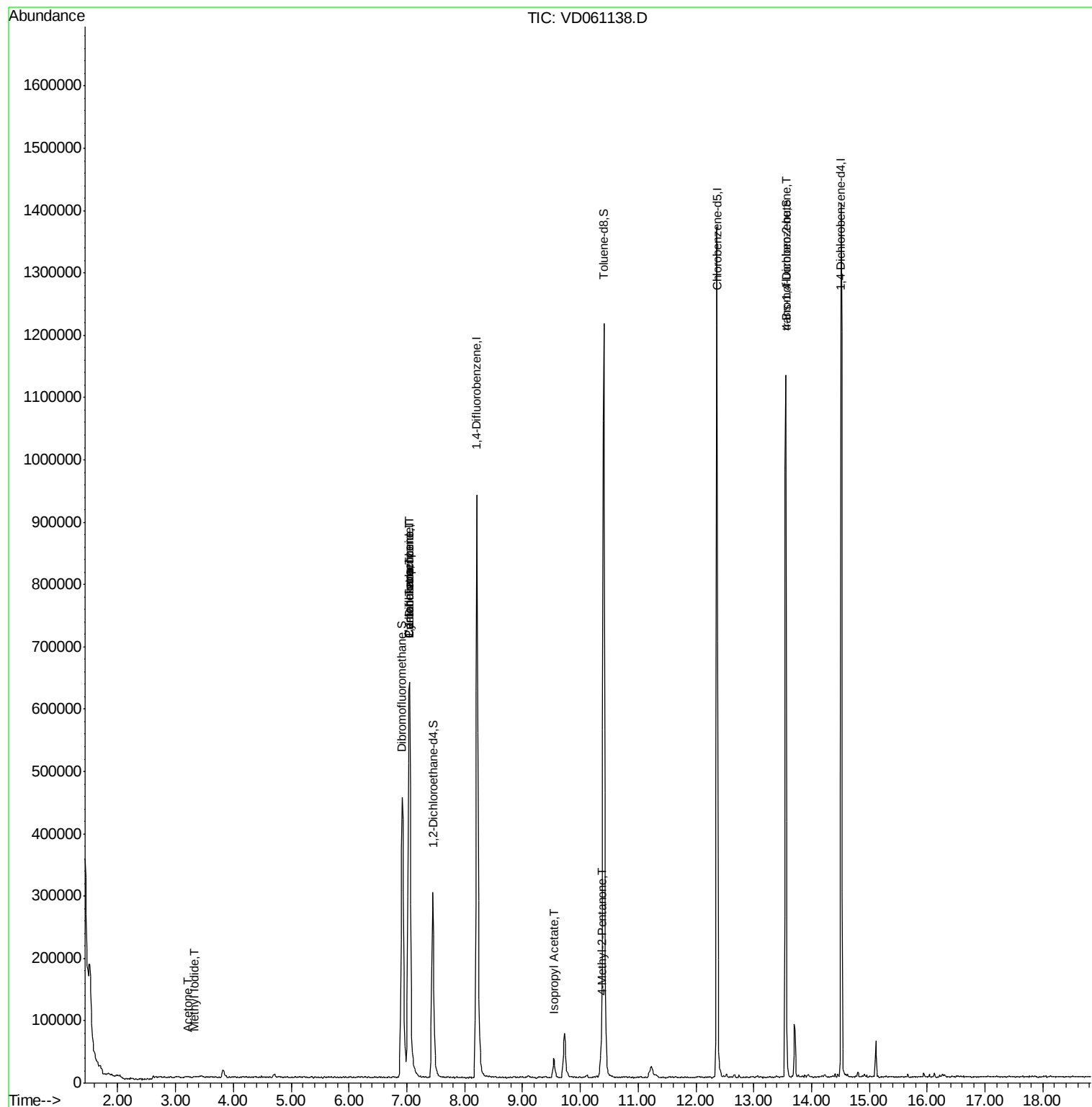
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	4522	3.296	ug/l #	39
16) Acetone	3.22	43	1963	1.184	ug/l #	48
20) Methylene Chloride	3.83	84	10504	Below Cal	#	80
31) Cyclohexane	7.05	56	13211	1.287	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	50723	5.134	ug/l #	46
38) Carbon Tetrachloride	7.04	117	67143	6.170	ug/l #	15
43) Isopropyl Acetate	9.54	43	23197	3.612	ug/l #	43
51) 4-Methyl-2-Pentanone	10.35	43	4824	1.226	ug/l	88
81) trans-1,4-Dichloro-2-buten	13.54	75	140269	91.974	ug/l #	17

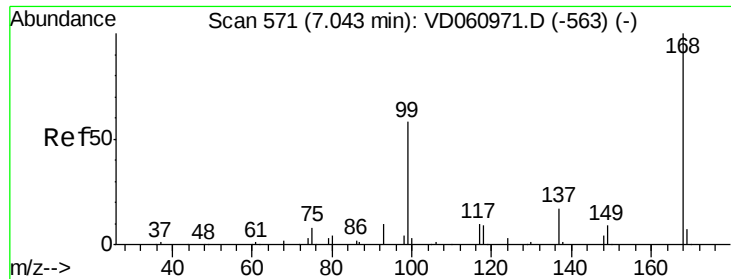
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061138.D
Acq On : 18 Mar 2019 11:46
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Misc : 5.00µl/5ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Mar 19 02:14:06 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: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061138.D

Acq: 18 Mar 2019 11:46

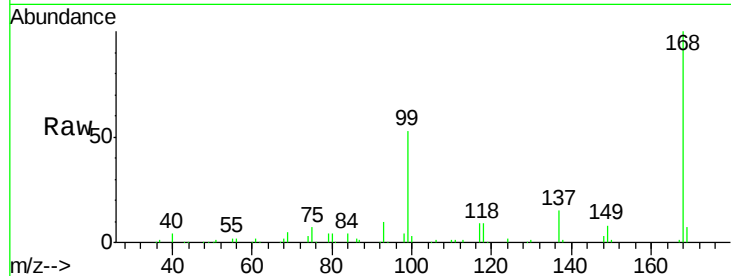
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 696818

Ion Ratio Lower Upper

168 100

99 52.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

250000

200000

150000

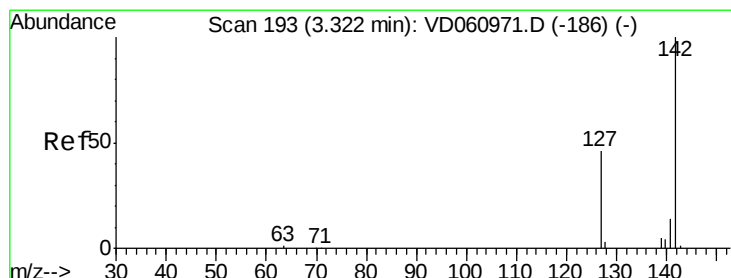
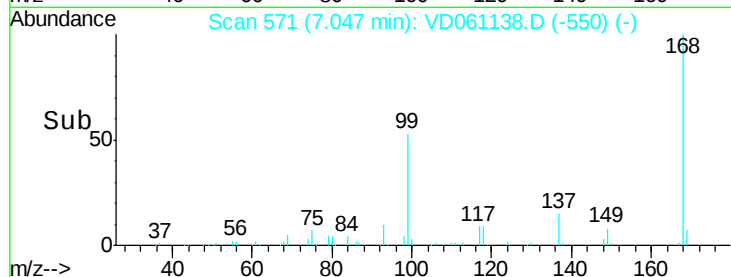
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.296 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD061138.D

Acq: 18 Mar 2019 11:46

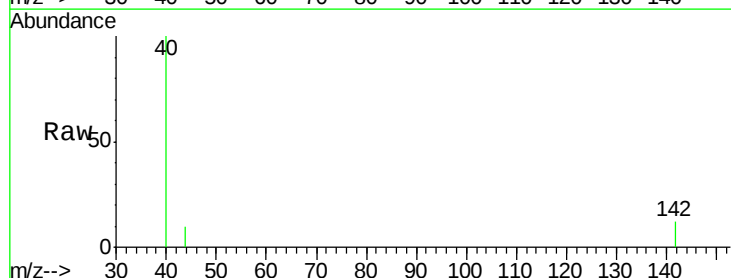
Tgt Ion:142 Resp: 4522

Ion Ratio Lower Upper

142 100

127 0.0 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

3.32

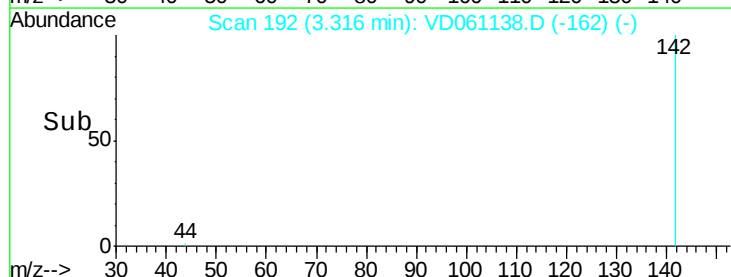
1000

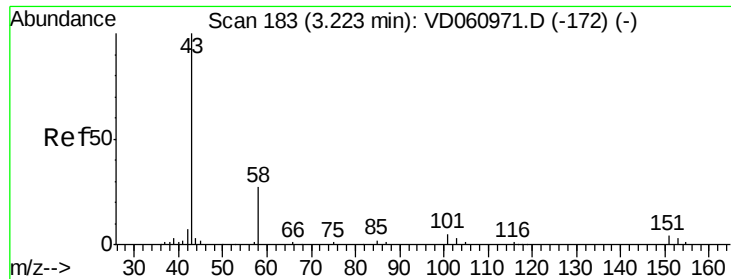
500

0

Time-->

3.30 3.40

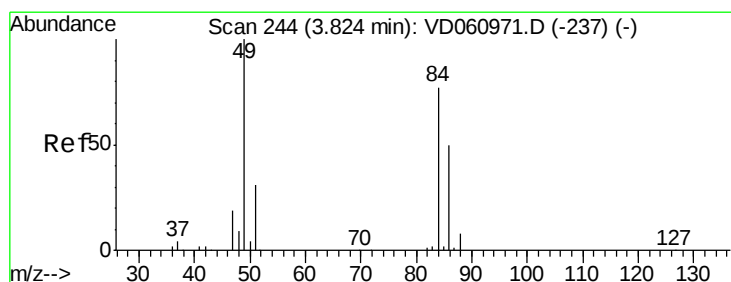
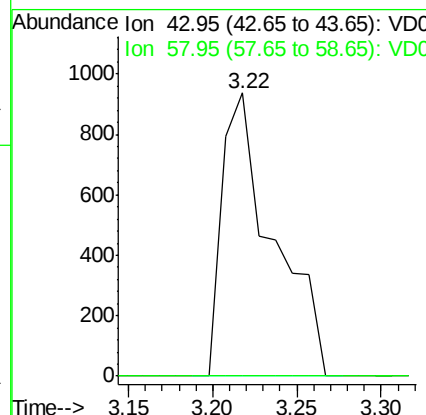
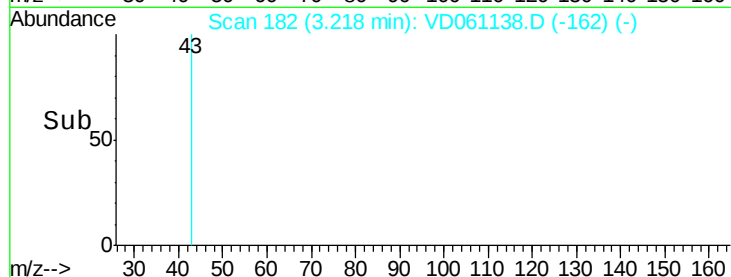
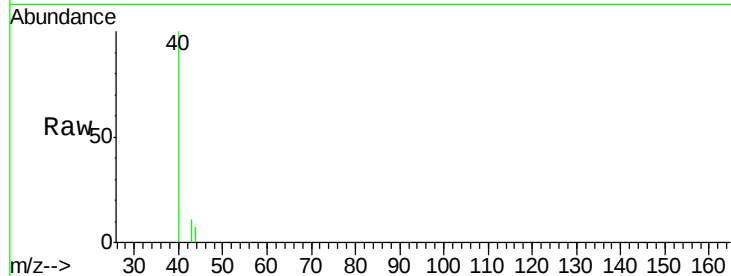




#16
Acetone
Concen: 1.184 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD061138.D
Acq: 18 Mar 2019 11:46

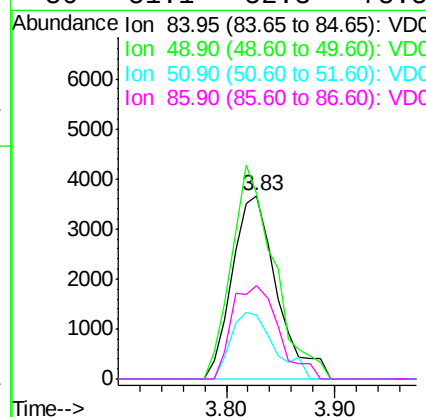
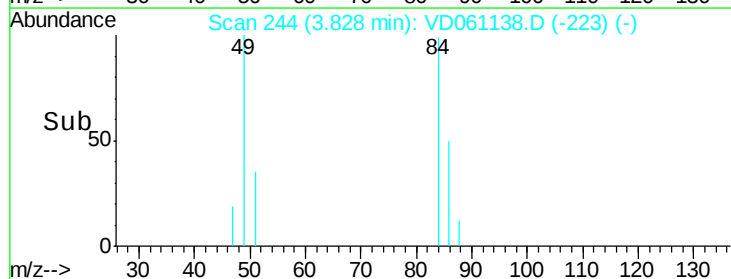
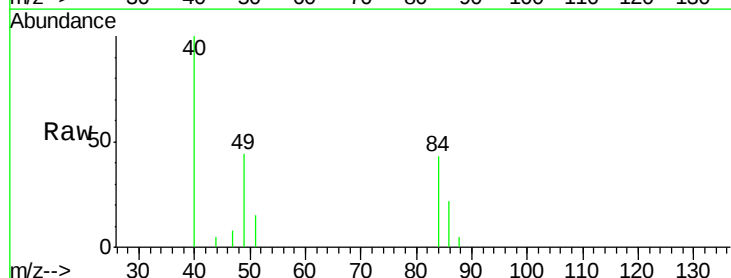
Instrument :
MSVOA_D
ClientSampled :

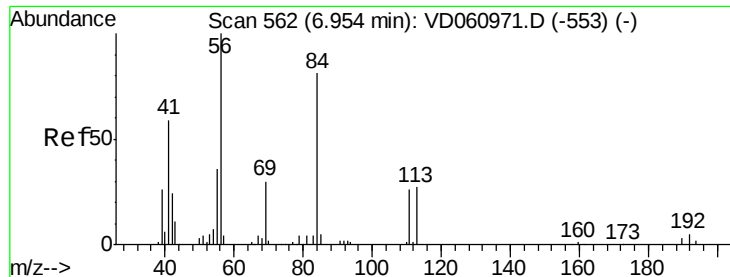
Tot Ion: 43 Resp: 1963
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061138.D
Acq: 18 Mar 2019 11:46

Tgt Ion: 84 Resp: 10504
Ion Ratio Lower Upper
84 100
49 101.4 104.2 156.2#
51 35.0 32.3 48.5
86 51.1 52.3 78.5#

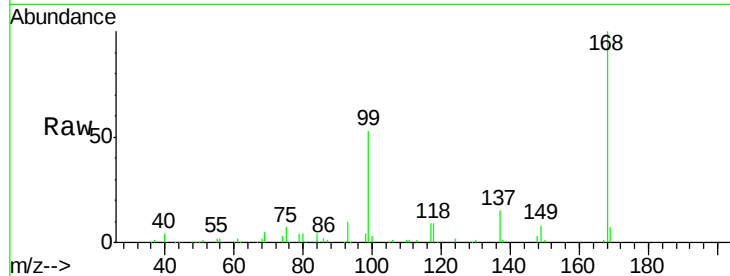




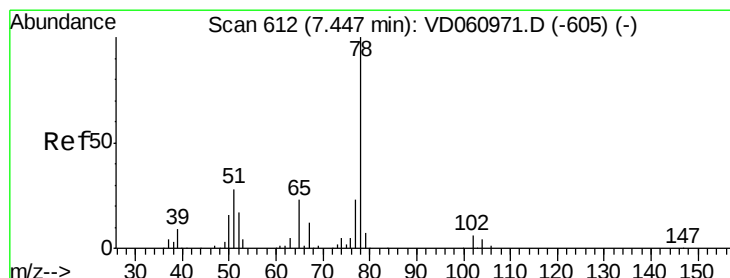
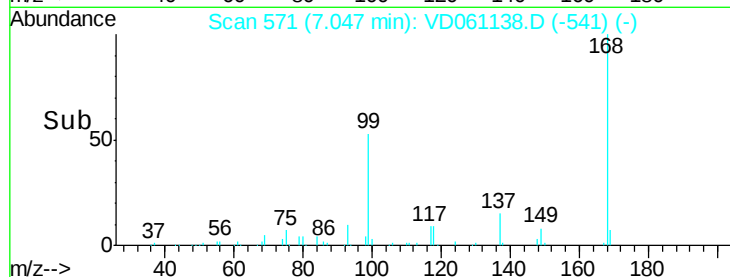
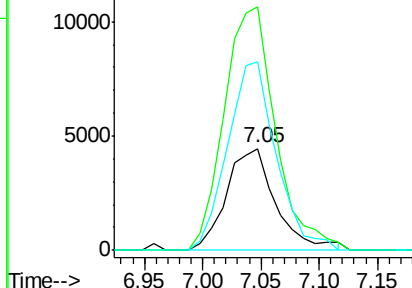
#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061138.D
Acq: 18 Mar 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 13211
Ion Ratio Lower Upper
56 100
69 239.0 24.0 36.0#
84 184.8 65.8 98.6#

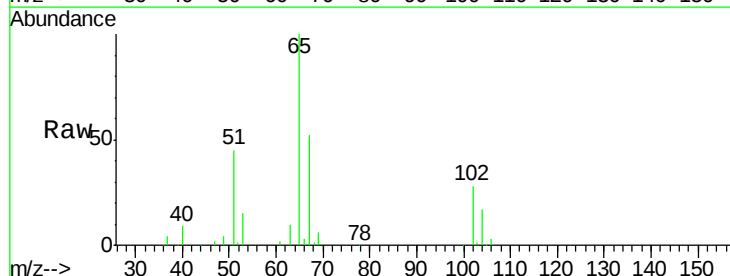


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

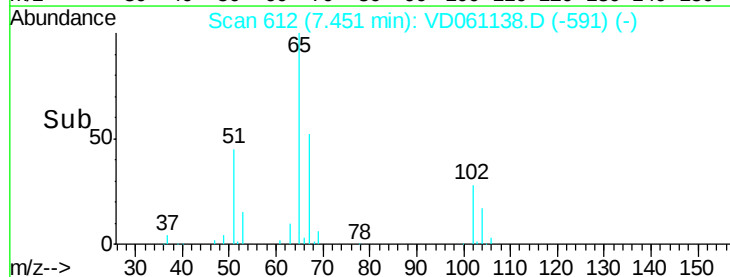
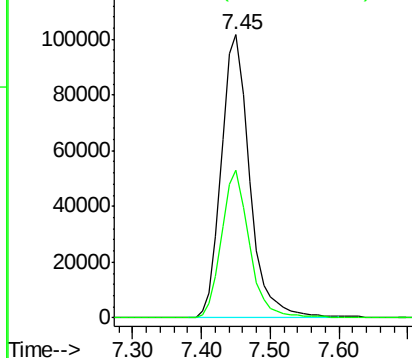


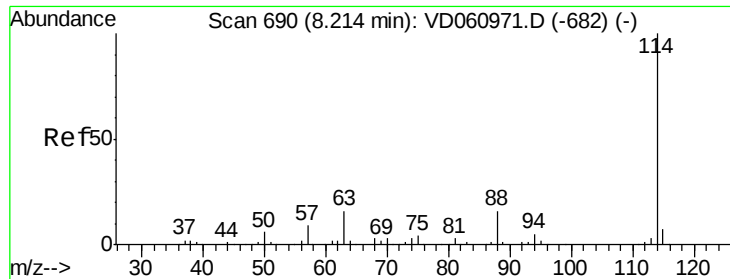
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD061138.D
Acq: 18 Mar 2019 11:46

Tgt Ion: 65 Resp: 289971
Ion Ratio Lower Upper
65 100
67 52.0 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: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061138.D

Acq: 18 Mar 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

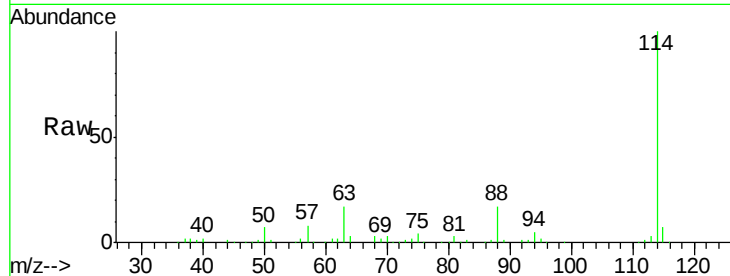
Tot Ion:114 Resp: 1146183

Ion Ratio Lower Upper

114 100

63 16.7 0.0 31.4

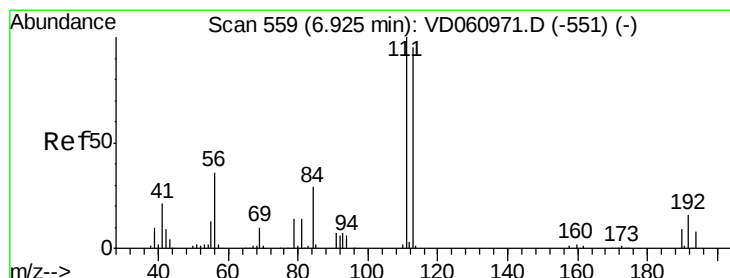
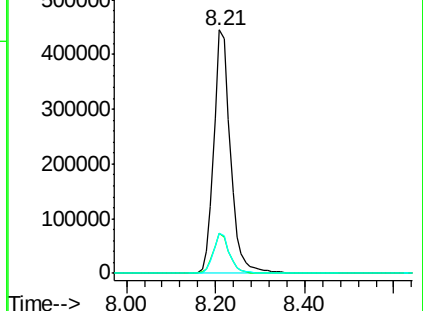
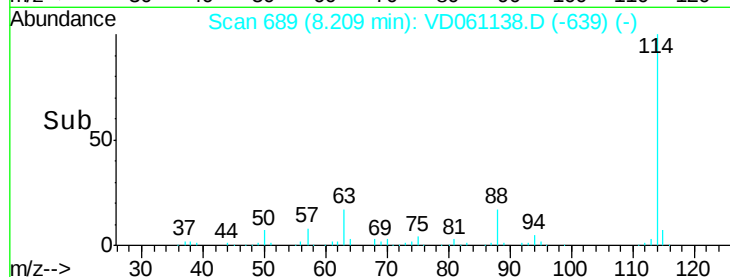
88 16.6 0.0 33.0



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: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061138.D

Acq: 18 Mar 2019 11:46

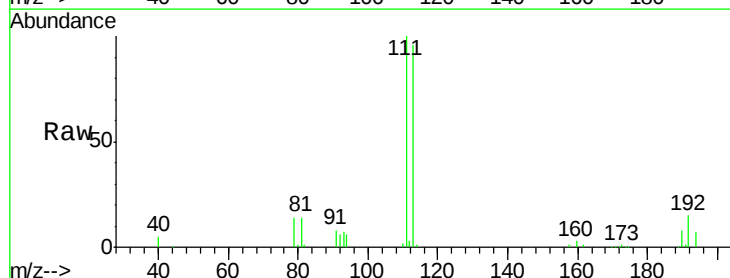
Tgt Ion:113 Resp: 447985

Ion Ratio Lower Upper

113 100

111 104.3 84.2 126.4

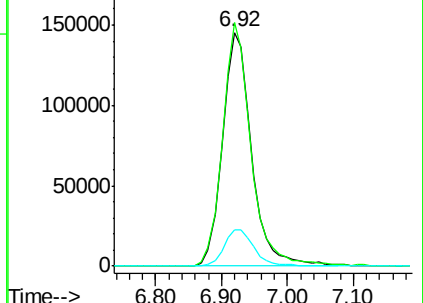
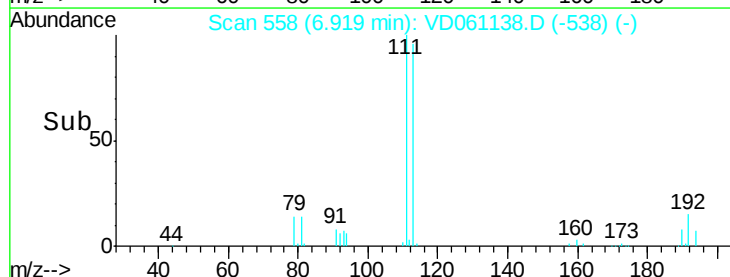
192 15.8 13.1 19.7

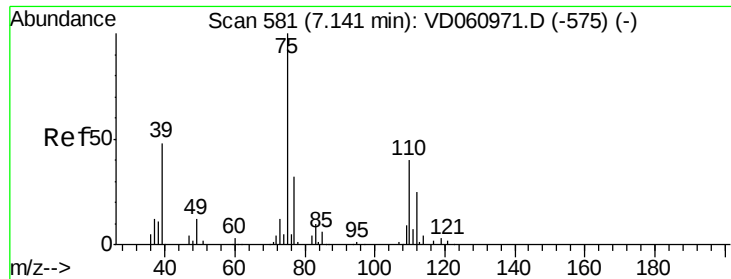


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.134 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD061138.D

Acq: 18 Mar 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

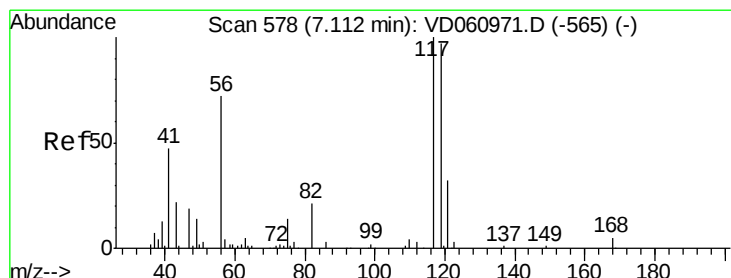
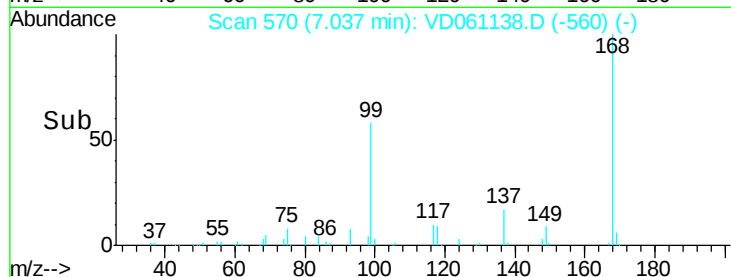
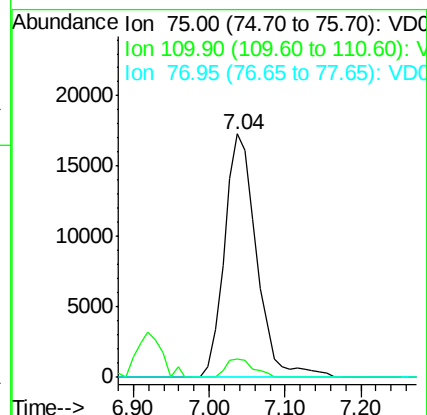
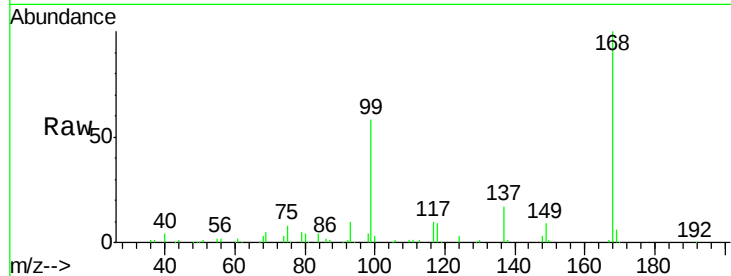
Tot Ion: 75 Resp: 50723

Ion Ratio Lower Upper

75 100

110 7.6 19.7 59.1#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.170 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD061138.D

Acq: 18 Mar 2019 11:46

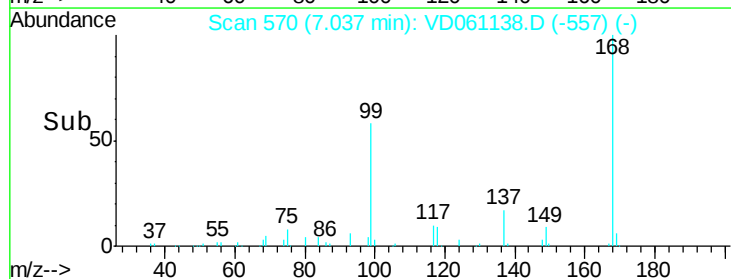
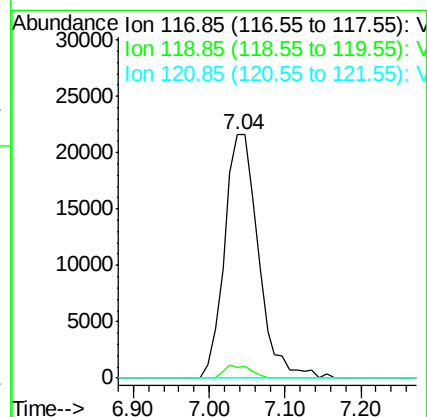
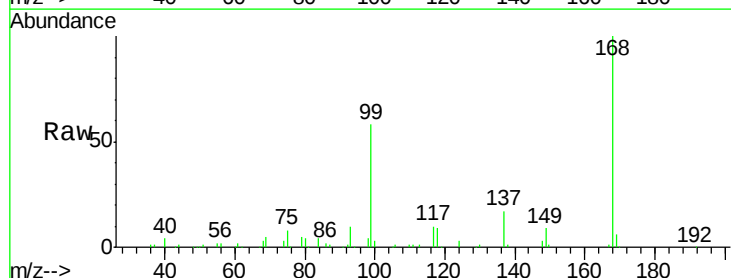
Tgt Ion: 117 Resp: 67143

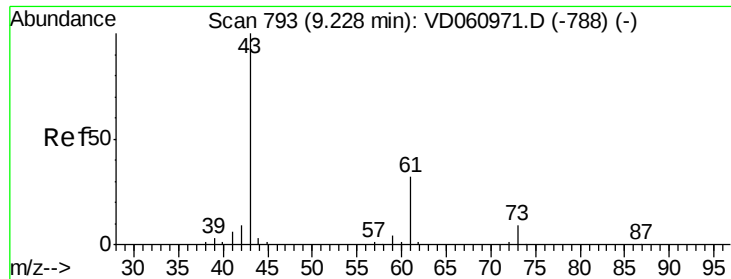
Ion Ratio Lower Upper

117 100

119 4.6 77.8 116.8#

121 0.0 25.3 37.9#





#43

Isopropyl Acetate

Concen: 3.612 ug/l

RT: 9.54 min Scan# 824

Delta R.T. 0.31 min

Lab File: VD061138.D

Acq: 18 Mar 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

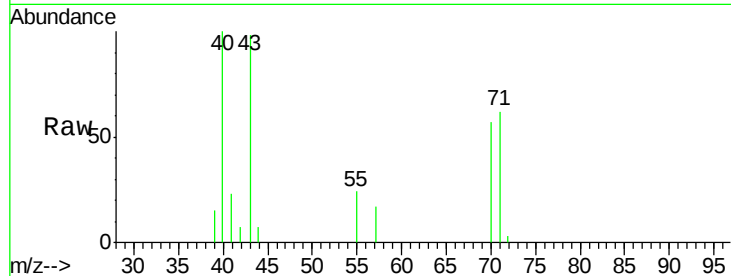
Tot Ion: 43 Resp: 23197

Ion Ratio Lower Upper

43 100

61 0.0 25.6 38.4#

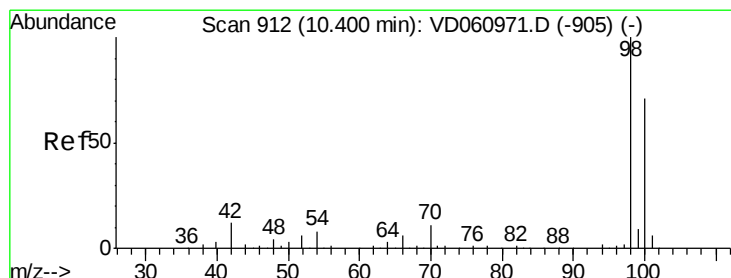
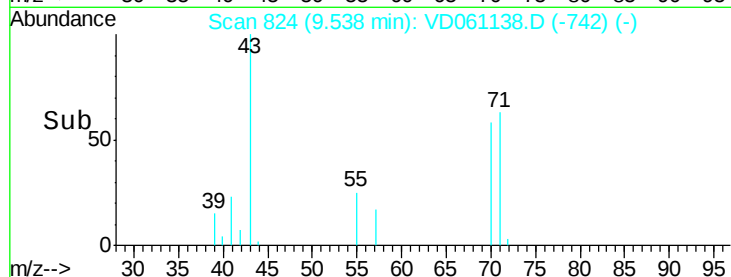
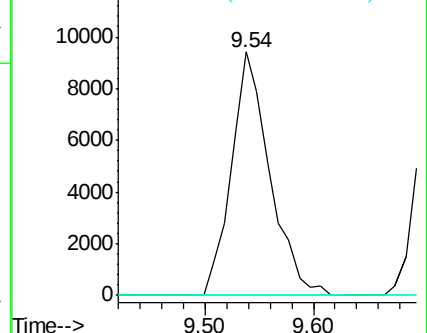
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061138.D

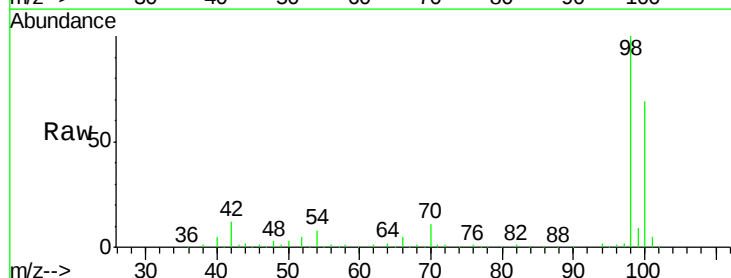
Acq: 18 Mar 2019 11:46

Tgt Ion: 98 Resp: 1079966

Ion Ratio Lower Upper

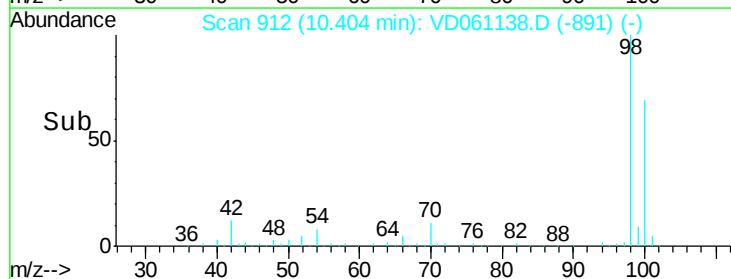
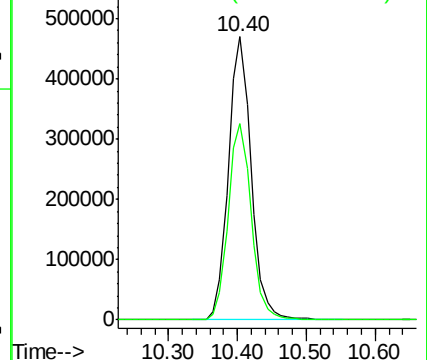
98 100

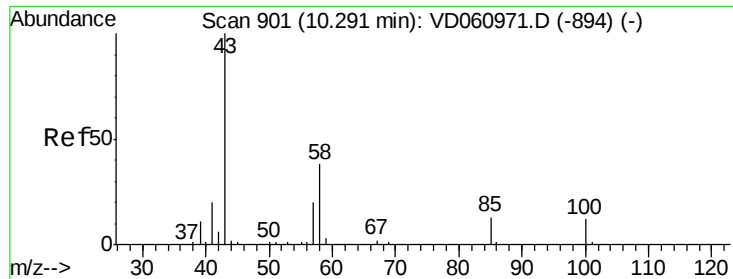
100 69.1 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.226 ug/l

RT: 10.35 min Scan# 907

Delta R.T. 0.06 min

Lab File: VD061138.D

Acq: 18 Mar 2019 11:46

Instrument :

MSVOA_D

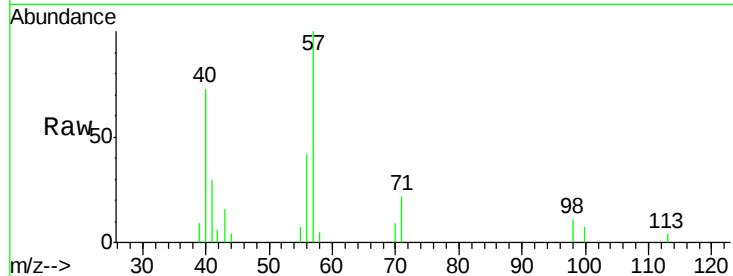
ClientSampleId :

Tot Ion: 43 Resp: 4824

Ion Ratio Lower Upper

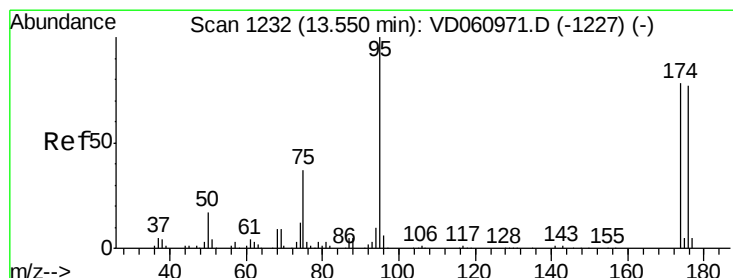
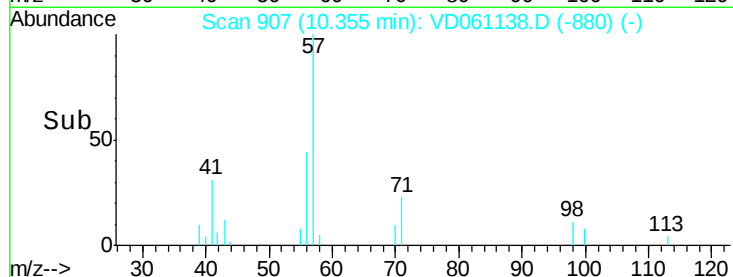
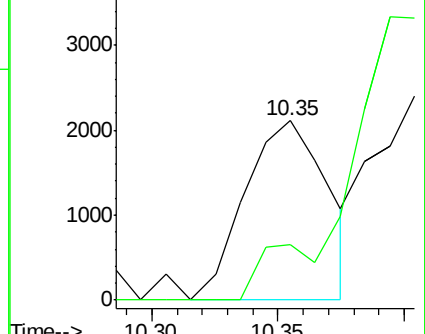
43 100

58 30.7 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061138.D

Acq: 18 Mar 2019 11:46

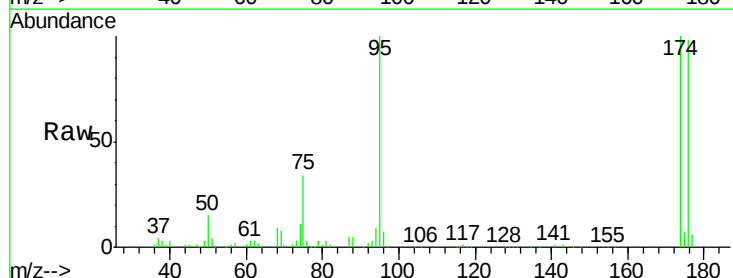
Tgt Ion: 95 Resp: 378528

Ion Ratio Lower Upper

95 100

174 99.9 0.0 155.6

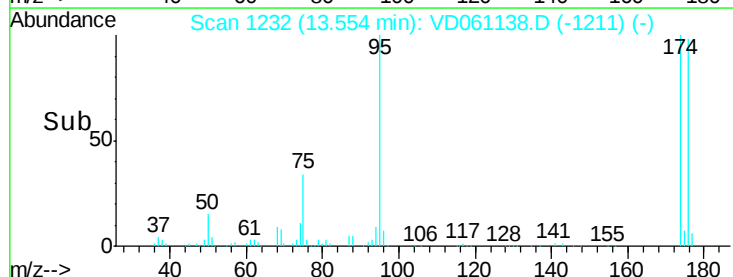
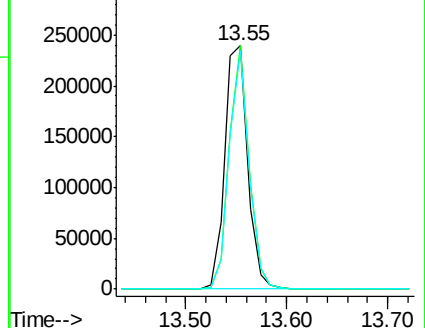
176 98.1 0.0 153.8

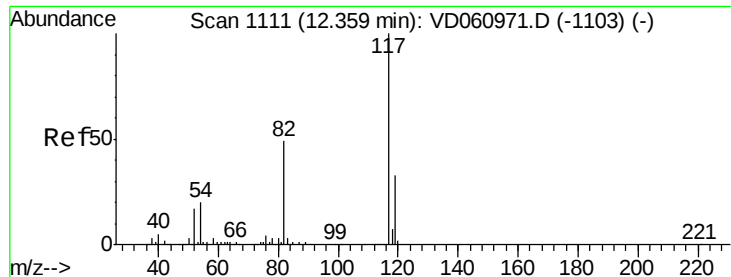


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

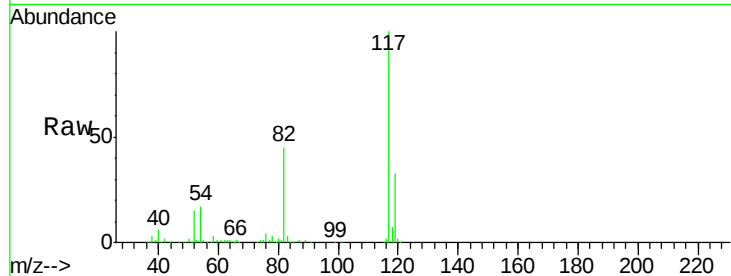




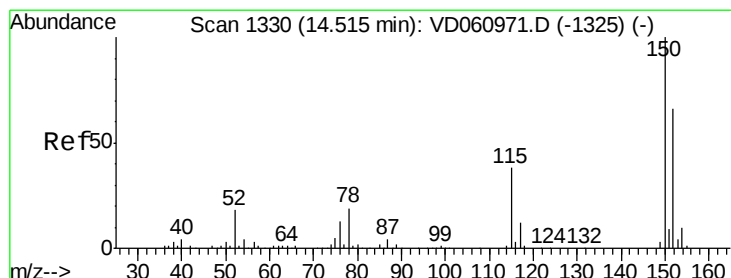
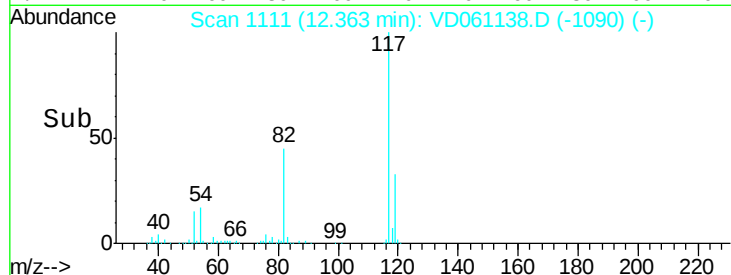
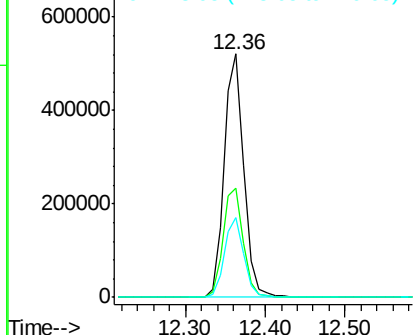
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061138.D
Acq: 18 Mar 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 903093
Ion Ratio Lower Upper
117 100
82 44.8 38.9 58.3
119 32.7 26.6 39.8

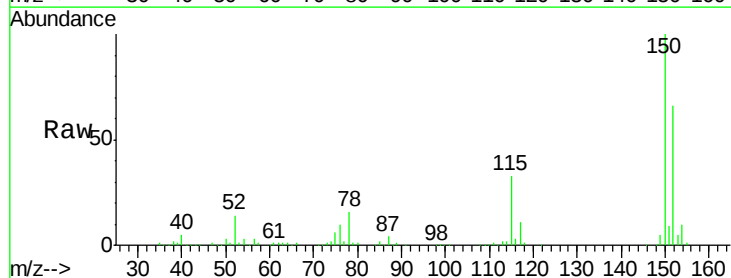


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

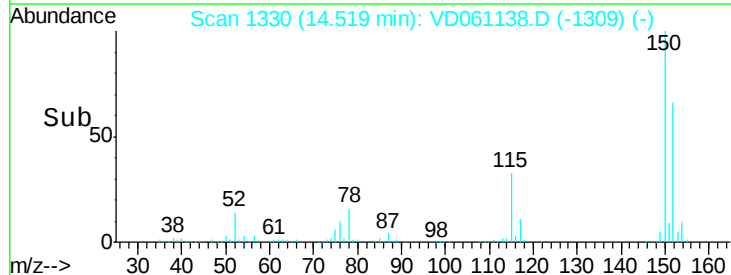
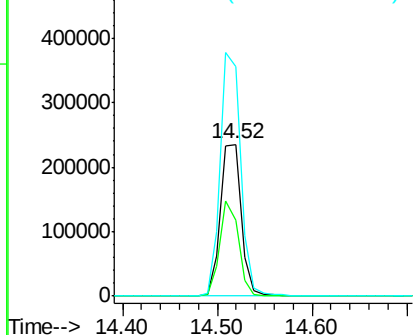


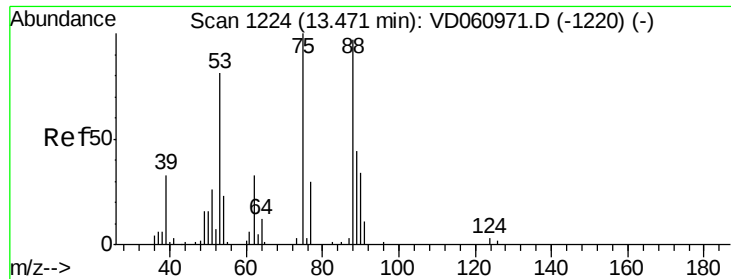
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061138.D
Acq: 18 Mar 2019 11:46

Tgt Ion:152 Resp: 359561
Ion Ratio Lower Upper
152 100
115 50.2 28.6 85.9
150 151.7 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





#81

trans-1,4-Dichloro-2-butene

Concen: 91.974 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061138.D

Acq: 18 Mar 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 140269

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#

