

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061098.D
 Acq On : 15 Mar 2019 20:35
 Operator : VA/AP
 Sample : K1933-03
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-3

Quant Time: Mar 16 05:45:13 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	396903	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	726951	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	506719	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	185343	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	178226	53.95	ug/l	0.03
Spiked Amount 50.000			Recovery	=	107.90%	
35) Dibromofluoromethane	6.96	113	268916	49.85	ug/l	0.03
Spiked Amount 50.000			Recovery	=	99.70%	
50) Toluene-d8	10.43	98	604119	44.59	ug/l	0.03
Spiked Amount 50.000			Recovery	=	89.18%	
62) 4-Bromofluorobenzene	13.57	95	211241	40.18	ug/l	0.02
Spiked Amount 50.000			Recovery	=	80.36%	

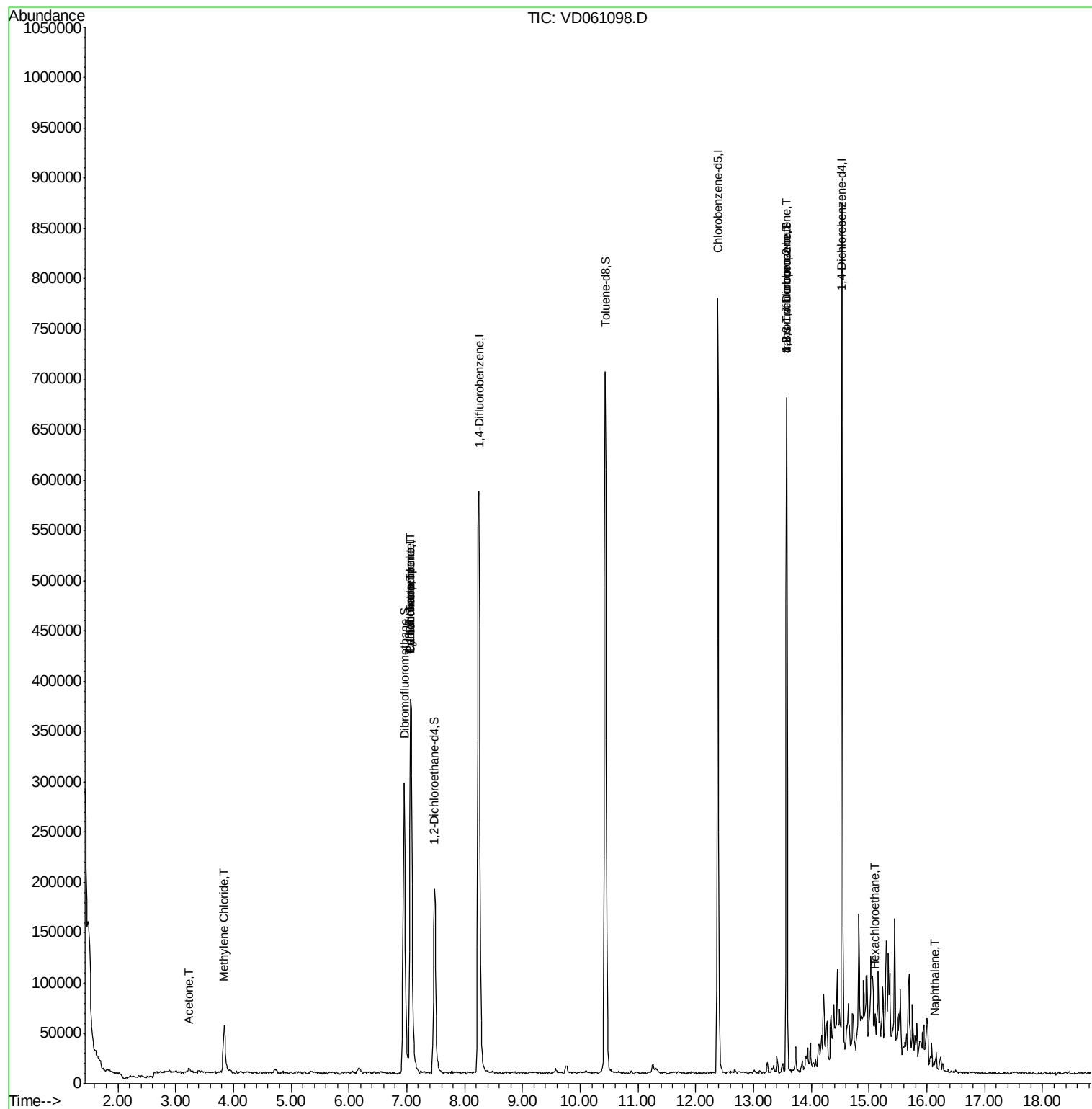
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	188	Below Cal	#	8
16) Acetone	3.24	43	7792	8.248	ug/l #	87
20) Methylene Chloride	3.85	84	36685	4.249	ug/l	89
31) Cyclohexane	7.06	56	6447	1.103	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	28419	4.535	ug/l #	46
38) Carbon Tetrachloride	7.06	117	36171	5.240	ug/l #	15
76) 1,2,3-Trichloropropane	13.57	75	75048	28.145	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.57	75	75310	95.798	ug/l #	17
90) Hexachloroethane	15.11	117	6615	2.115	ug/l #	13
95) Naphthalene	16.13	128	3871	1.082	ug/l #	83

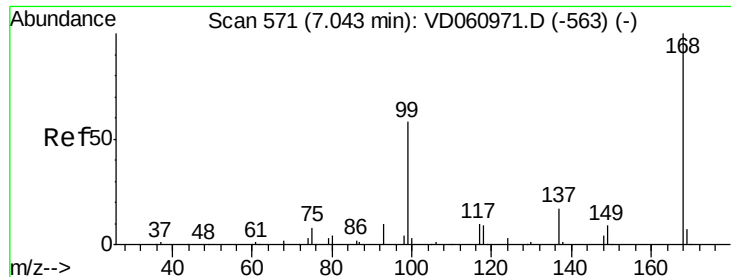
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031519\
Data File : VD061098.D
Acq On : 15 Mar 2019 20:35
Operator : VA/AP
Sample : K1933-03
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :
S-3

Quant Time: Mar 16 05:45:13 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: VD061098.D

Acq: 15 Mar 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

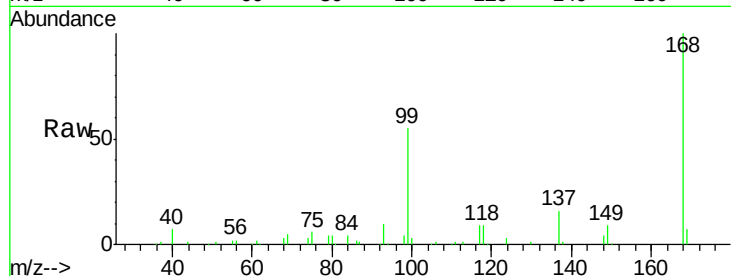
S-3

Tot Ion:168 Resp: 396903

Ion Ratio Lower Upper

168 100

99 55.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

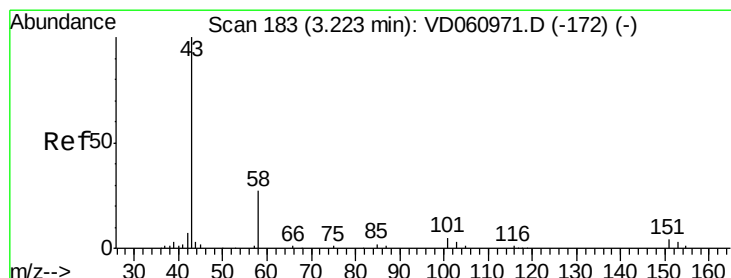
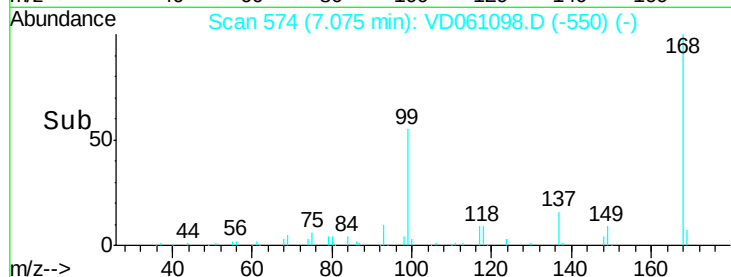
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 8.248 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061098.D

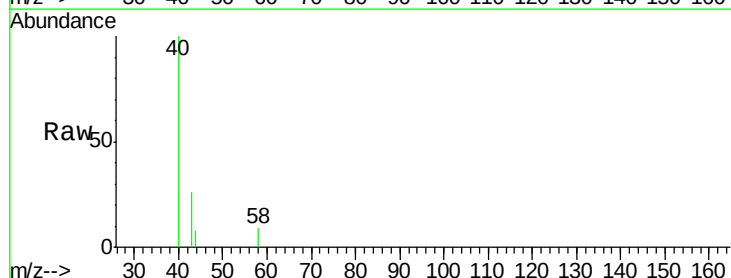
Acq: 15 Mar 2019 20:35

Tgt Ion: 43 Resp: 7792

Ion Ratio Lower Upper

43 100

58 33.7 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

3000

2500

2000

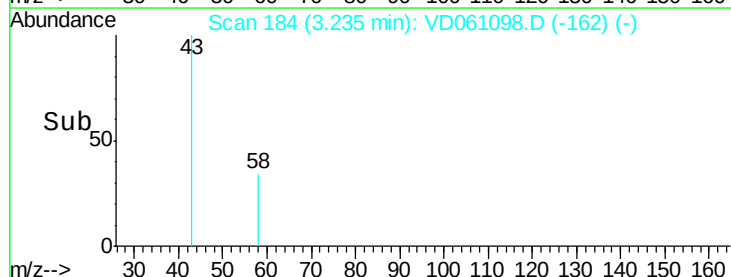
1500

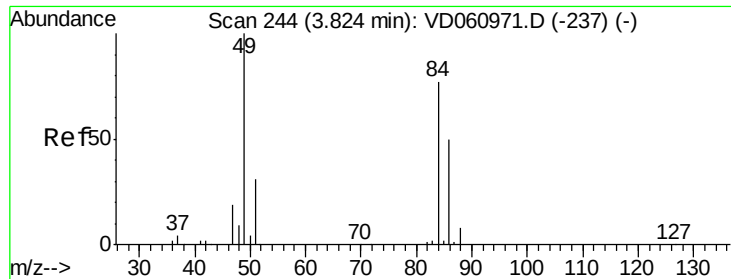
1000

500

0

Time--> 3.15 3.20 3.25 3.30

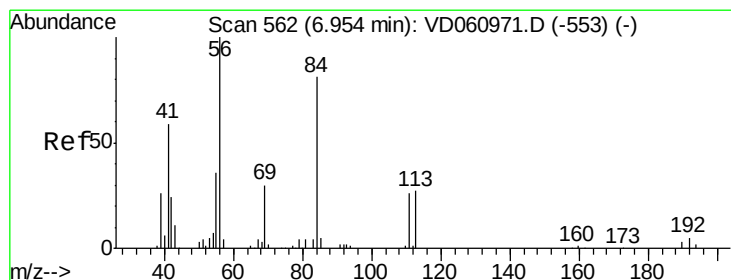
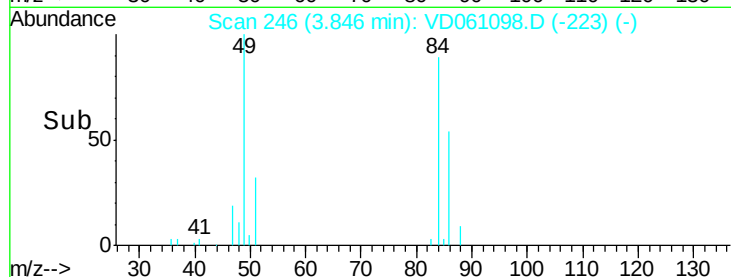
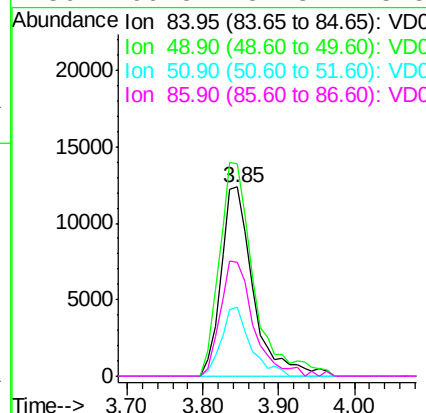
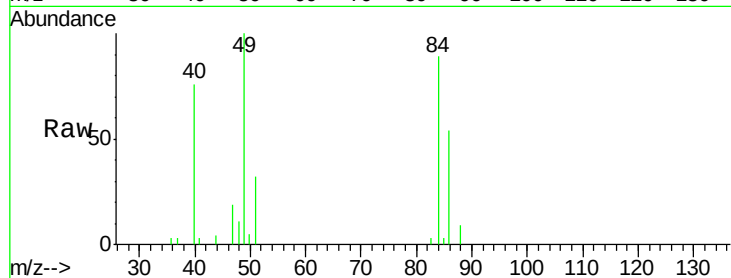




#20
Methylene Chloride
Concen: 4.249 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.02 min
Lab File: VD061098.D
Acq: 15 Mar 2019 20:35

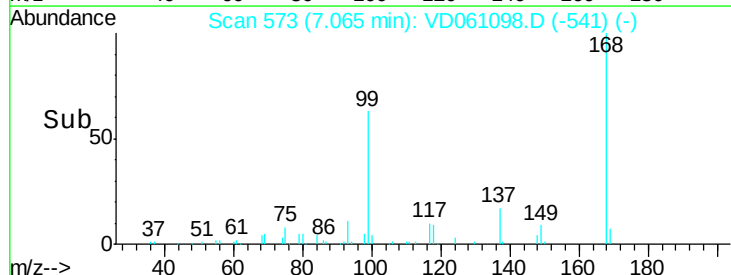
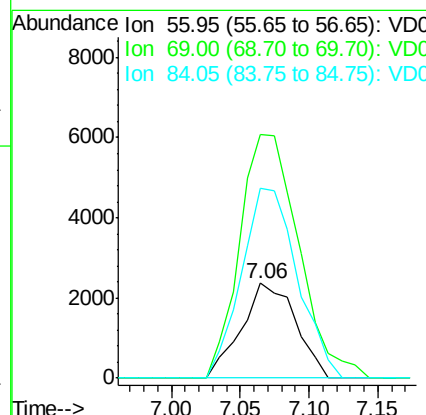
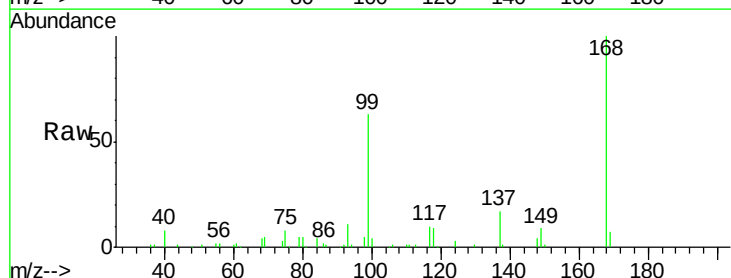
Instrument :
MSVOA_D
ClientSampled :
S-3

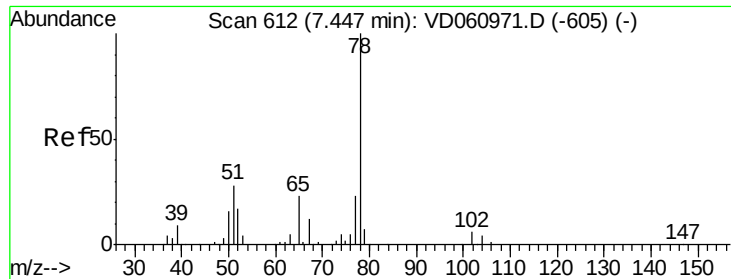
Tot Ion: 84 Resp: 36685
Ion Ratio Lower Upper
84 100
49 112.5 104.2 156.2
51 36.4 32.3 48.5
86 60.3 52.3 78.5



#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.11 min
Lab File: VD061098.D
Acq: 15 Mar 2019 20:35

Tgt Ion: 56 Resp: 6447
Ion Ratio Lower Upper
56 100
69 257.1 24.0 36.0#
84 200.2 65.8 98.6#

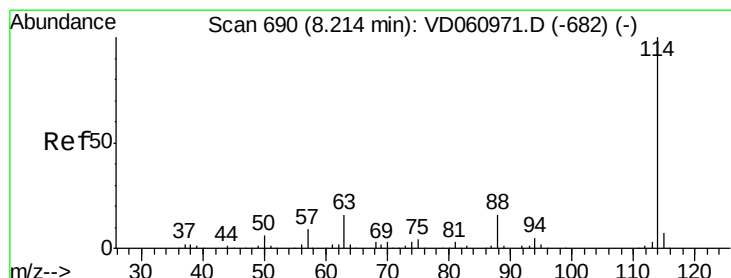
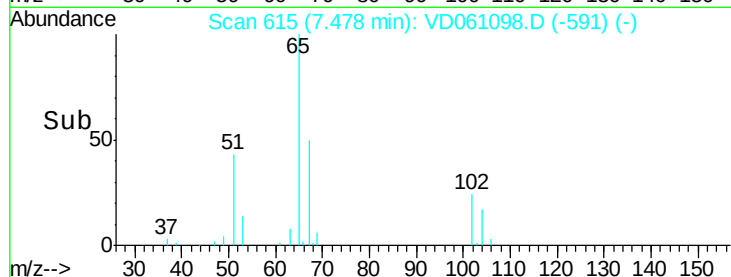
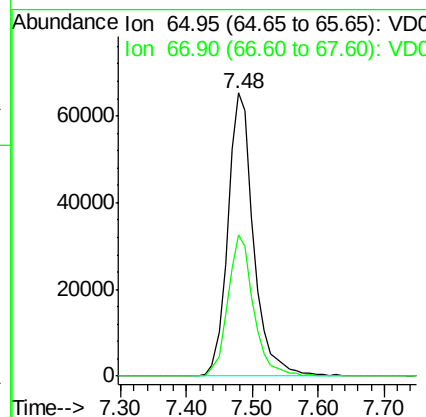
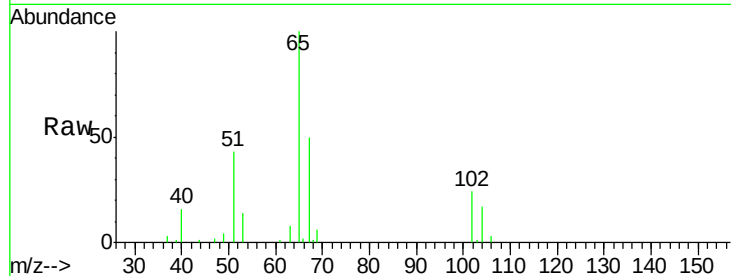




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: VD061098.D
 Acq: 15 Mar 2019 20:35

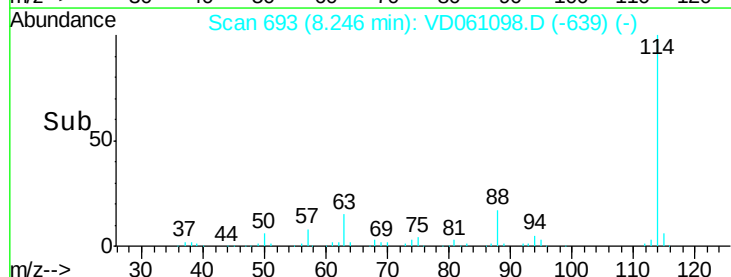
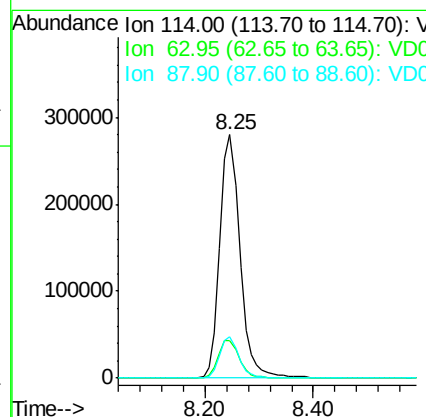
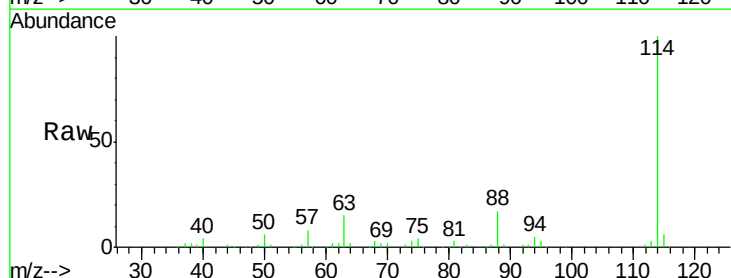
Instrument :
 MSVOA_D
 ClientSampleId :
 S-3

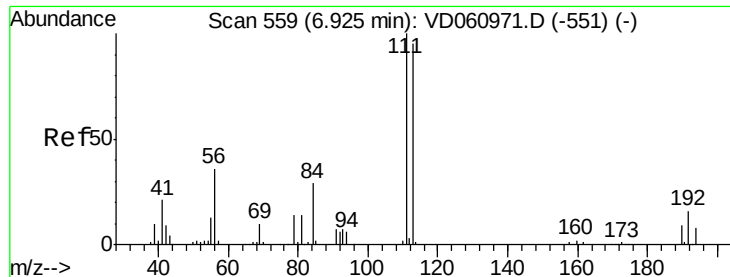
Tot Ion: 65 Resp: 178226
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD061098.D
 Acq: 15 Mar 2019 20:35

Tgt Ion: 114 Resp: 726951
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.4
 88 17.0 0.0 33.0

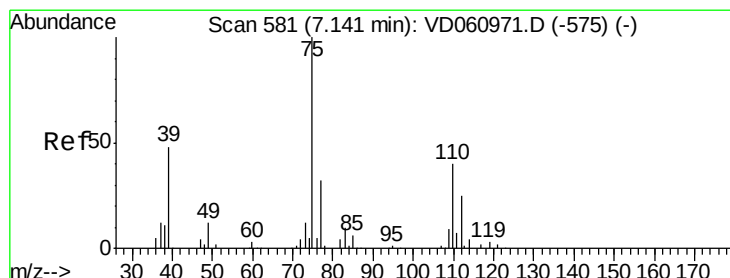
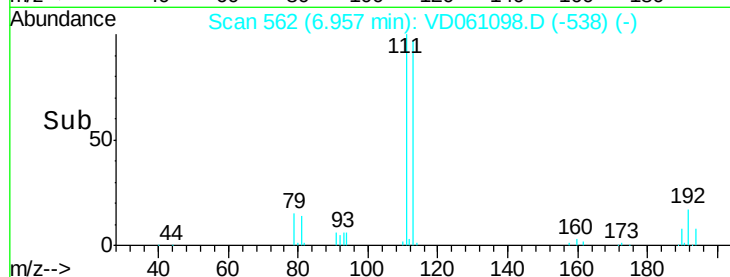
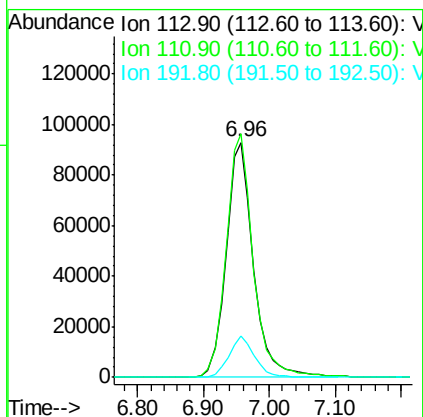
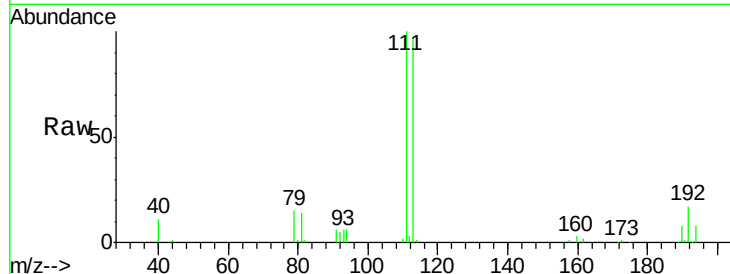




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.96 min Scan# 562
 Delta R.T. 0.03 min
 Lab File: VD061098.D
 Acq: 15 Mar 2019 20:35

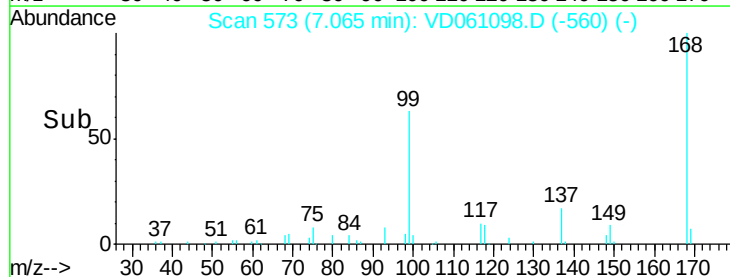
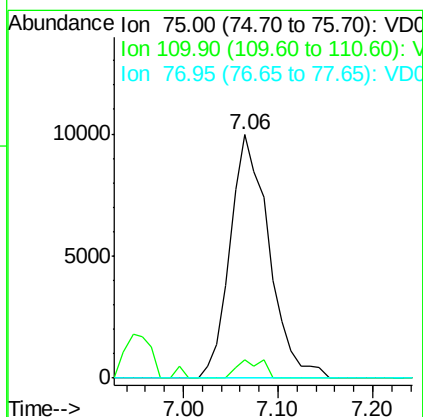
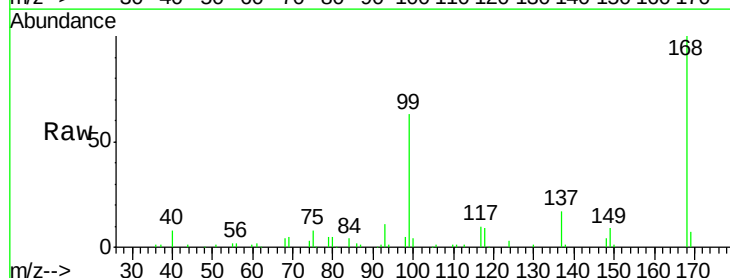
Instrument :
 MSVOA_D
 ClientSampleId :
 S-3

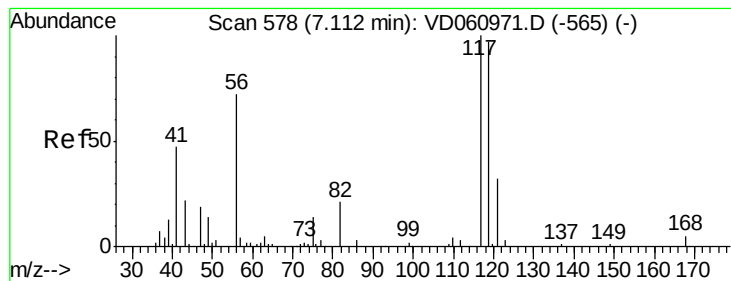
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	84.2	126.4
192	17.4	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 4.535 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD061098.D
 Acq: 15 Mar 2019 20:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	19.7	59.1#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.240 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061098.D

Acq: 15 Mar 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

S-3

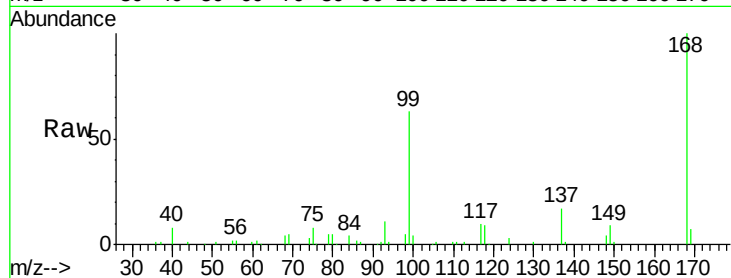
Tot Ion:117 Resp: 36171

Ion Ratio Lower Upper

117 100

119 4.2 77.8 116.8#

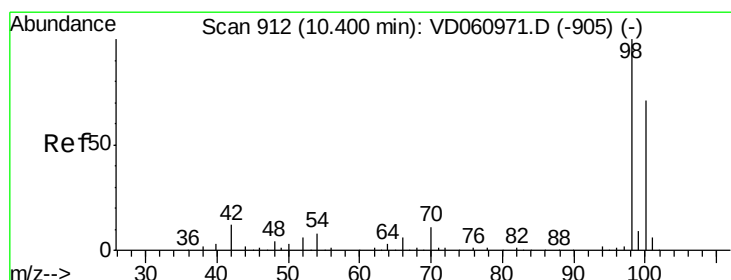
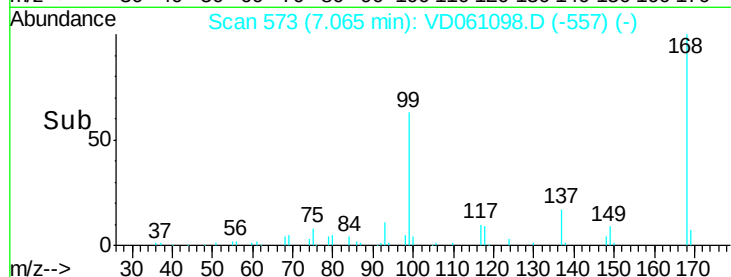
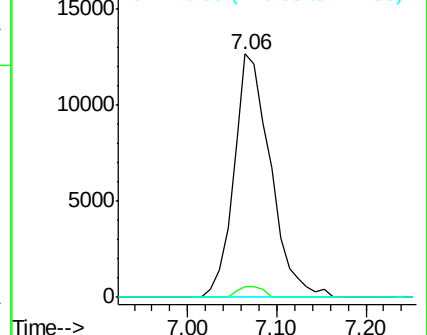
121 0.0 25.3 37.9#



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: VD061098.D

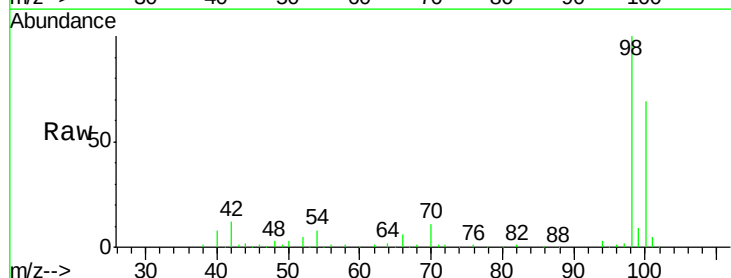
Acq: 15 Mar 2019 20:35

Tgt Ion: 98 Resp: 604119

Ion Ratio Lower Upper

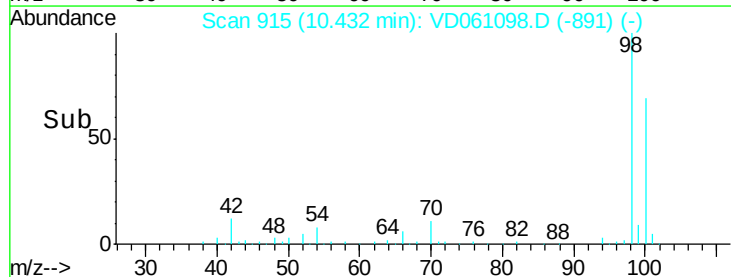
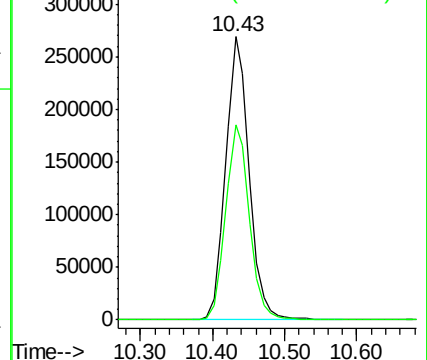
98 100

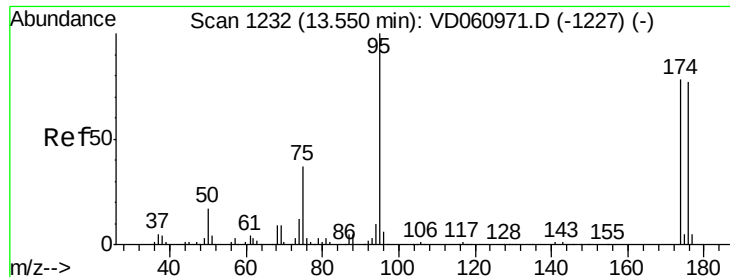
100 69.0 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061098.D

Acq: 15 Mar 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

S-3

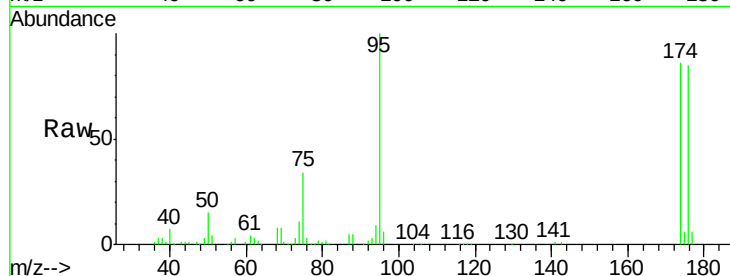
Tot Ion: 95 Resp: 211241

Ion Ratio Lower Upper

95 100

174 86.2 0.0 155.6

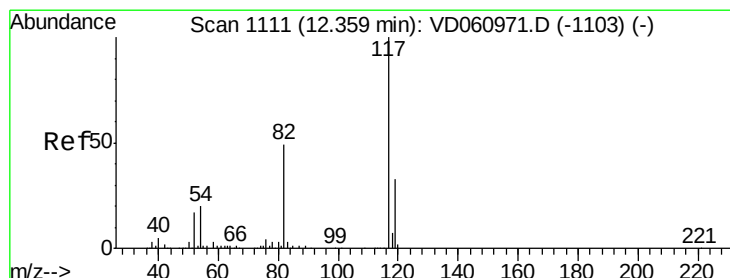
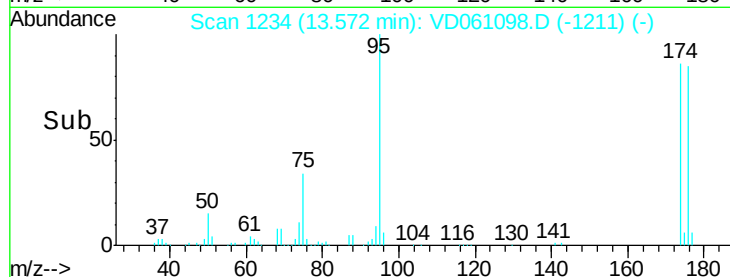
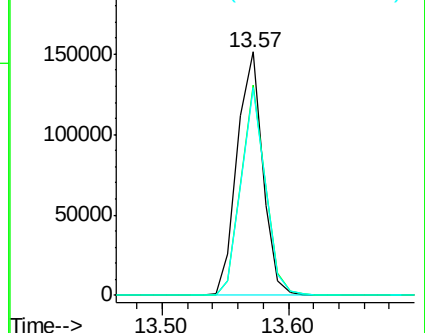
176 85.3 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061098.D

Acq: 15 Mar 2019 20:35

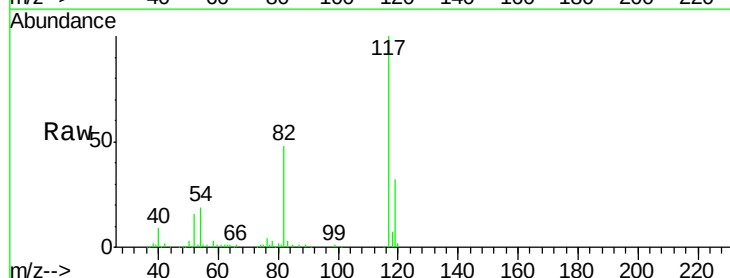
Tgt Ion: 117 Resp: 506719

Ion Ratio Lower Upper

117 100

82 48.0 38.9 58.3

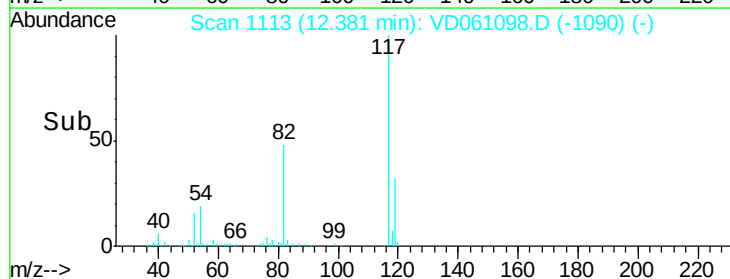
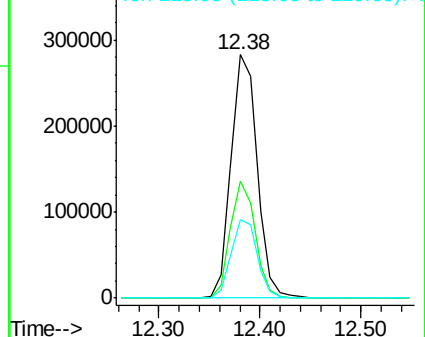
119 32.4 26.6 39.8

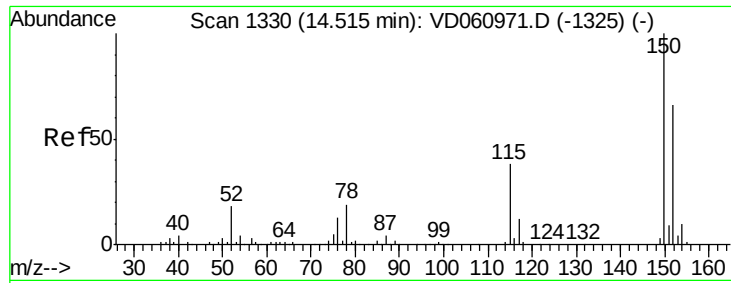


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



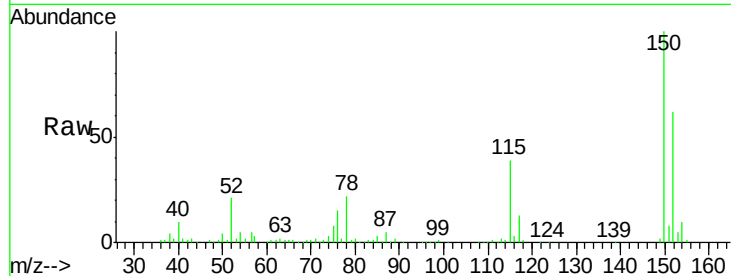


#72

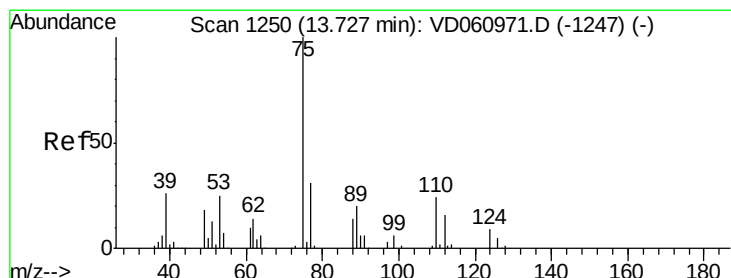
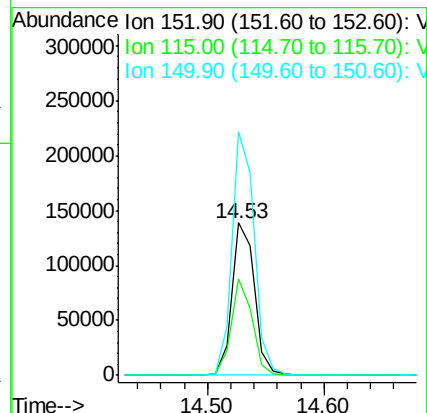
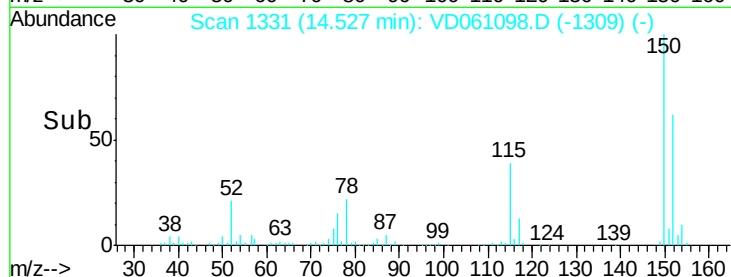
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061098.D
Acq: 15 Mar 2019 20:35

Instrument :
MSVOA_D
ClientSampled :
S-3

Tot Ion:152 Resp: 185343
Ion Ratio Lower Upper
152 100
115 63.2 28.6 85.9
150 160.0 0.0 310.6



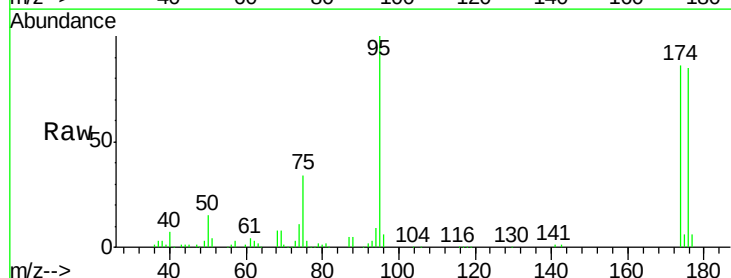
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



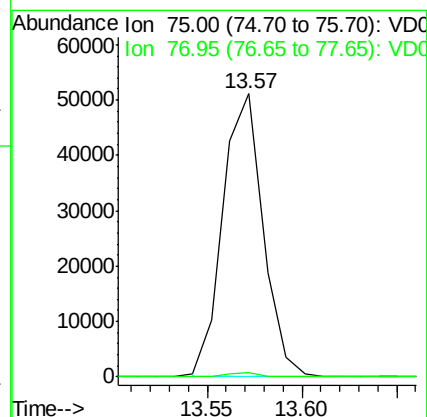
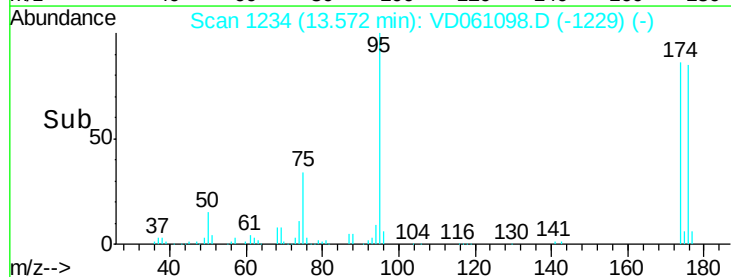
#76

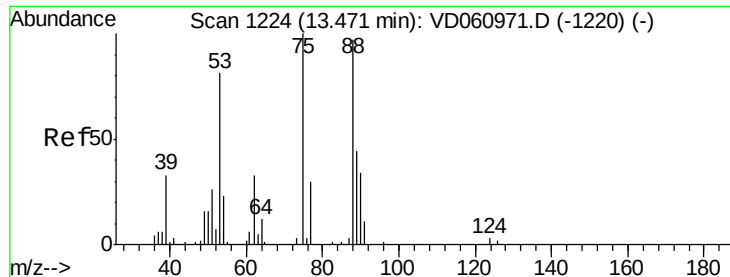
1,2,3-Trichloropropane
Concen: 28.145 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. -0.16 min
Lab File: VD061098.D
Acq: 15 Mar 2019 20:35

Tgt Ion: 75 Resp: 75048
Ion Ratio Lower Upper
75 100
77 1.4 16.6 49.7#



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: 95.798 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD061098.D

Acq: 15 Mar 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

S-3

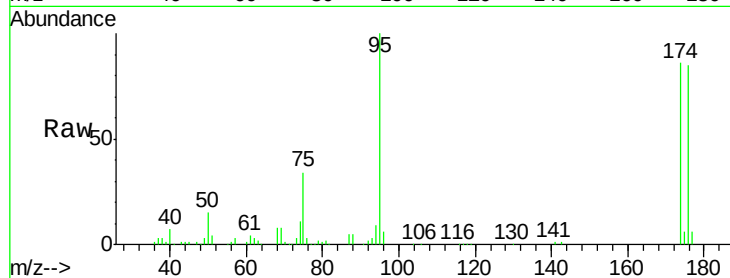
Tot Ion: 75 Resp: 75310

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

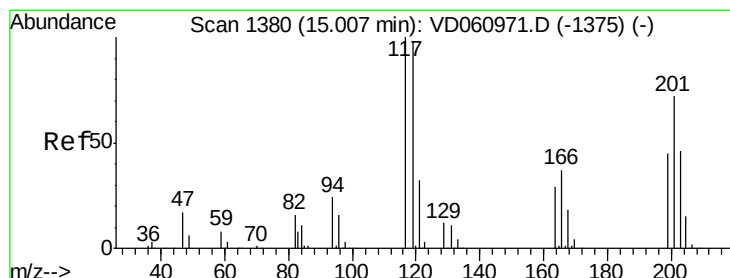
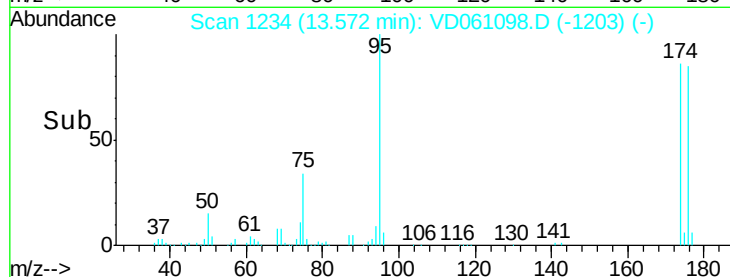
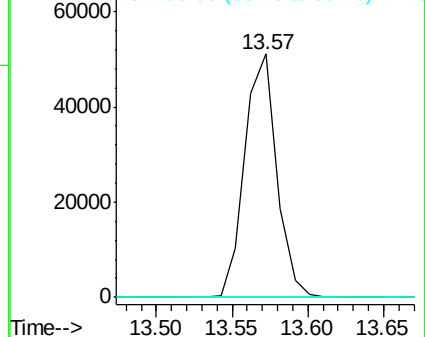
89 0.0 34.8 52.2#



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



#90

Hexachloroethane

Concen: 2.115 ug/l

RT: 15.11 min Scan# 1390

Delta R.T. 0.10 min

Lab File: VD061098.D

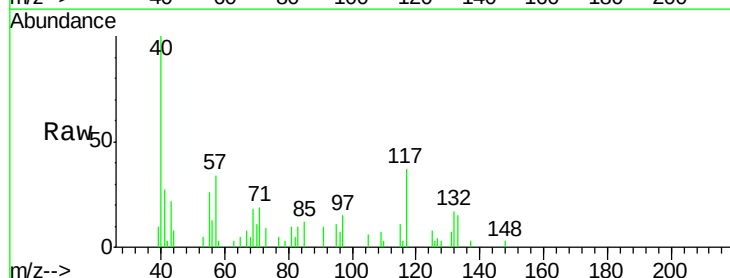
Acq: 15 Mar 2019 20:35

Tgt Ion: 117 Resp: 6615

Ion Ratio Lower Upper

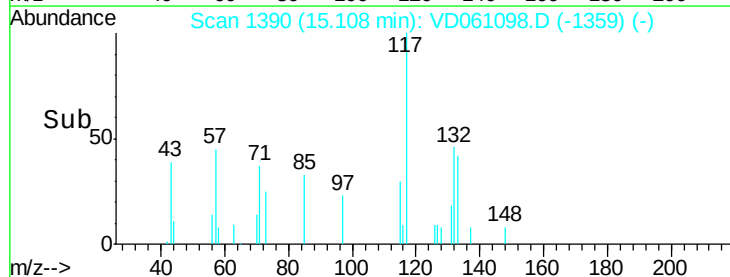
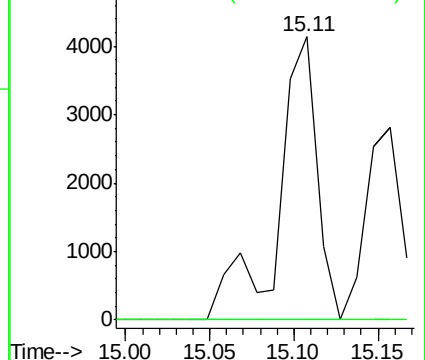
117 100

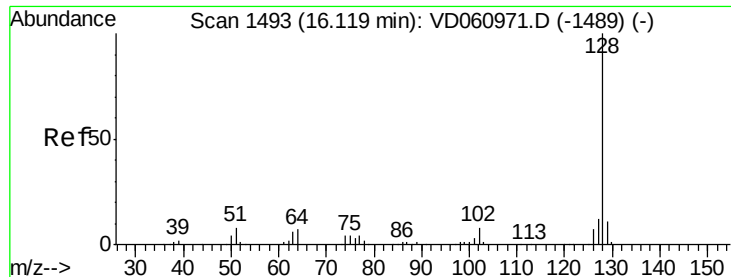
201 0.0 36.2 108.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#95
Naphthalene
Concen: 1.082 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061098.D
Acq: 15 Mar 2019 20:35

Instrument :
MSVOA_D
ClientSampleId :
S-3

Tot Ion:128 Resp: 3871
Ion Ratio Lower Upper
128 100
127 15.1 9.8 14.8#
129 0.0 8.5 12.7#

