

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061083.D
 Acq On : 15 Mar 2019 13:26
 Operator : VA/AP
 Sample : K1901-01RE
 Misc : 4.24g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(0.5-1.5)RE

Quant Time: Mar 16 05:42:09 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	54961	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	109019	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	78064	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	23627	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	44125	96.45	ug/l	0.04
Spiked Amount			Recovery	=	192.90%	
35) Dibromofluoromethane	6.95	113	51530	63.69	ug/l	0.03
Spiked Amount			Recovery	=	127.38%	
50) Toluene-d8	10.43	98	95161	46.84	ug/l	0.03
Spiked Amount			Recovery	=	93.68%	
62) 4-Bromofluorobenzene	13.57	95	31115	39.47	ug/l	0.02
Spiked Amount			Recovery	=	78.94%	

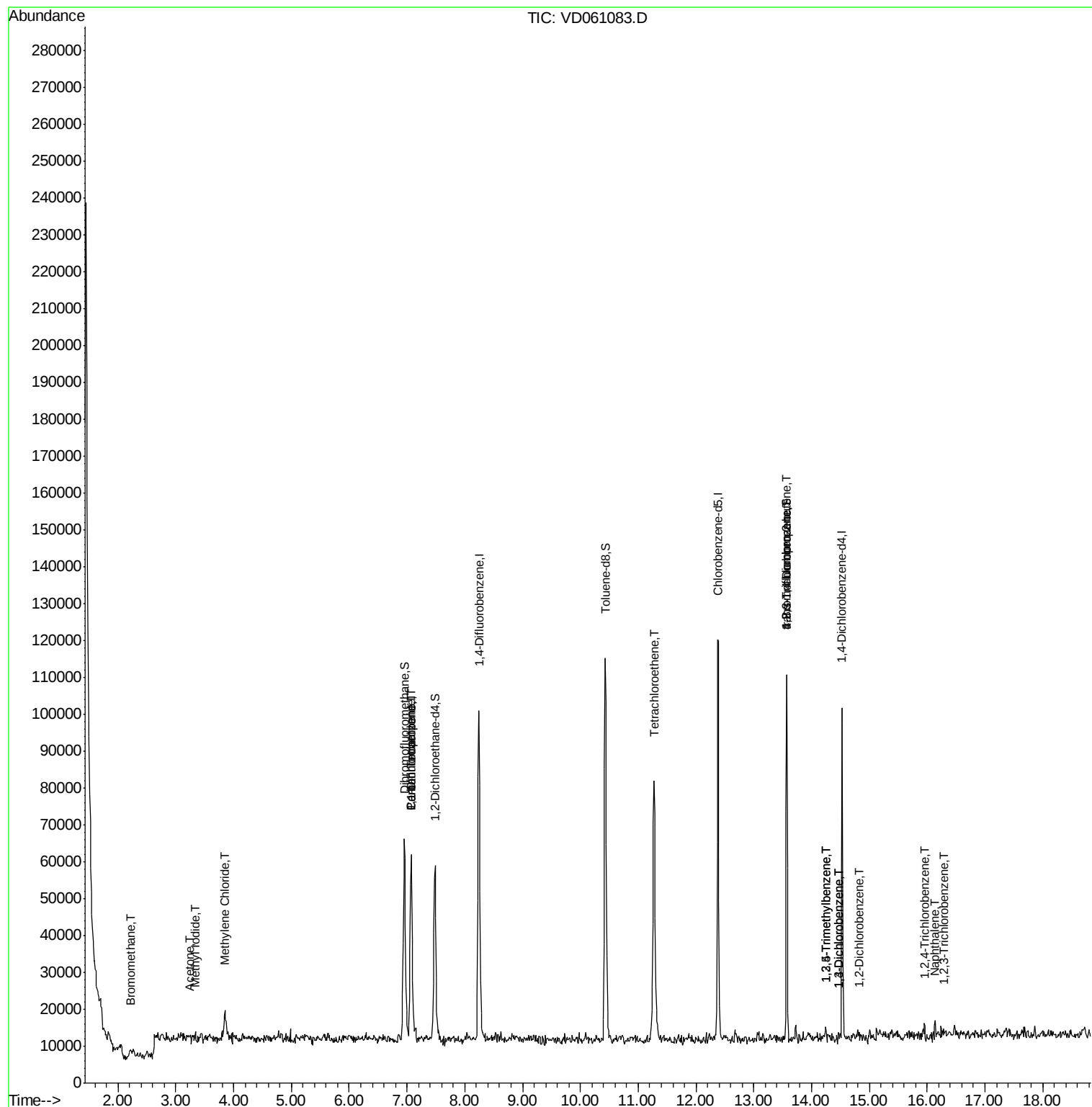
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.21	94	891	9.829	ug/l #	8
10) Methyl Iodide	3.35	142	1665	4.625	ug/l #	87
16) Acetone	3.23	43	1956	14.952	ug/l #	48
20) Methylene Chloride	3.85	84	5909	5.782	ug/l #	78
36) 1,1-Dichloropropene	7.07	75	3316	3.529	ug/l #	39
38) Carbon Tetrachloride	7.07	117	4579	4.424	ug/l #	11
64) Tetrachloroethene	11.27	164	20741	39.359	ug/l	94
76) 1,2,3-Trichloropropane	13.57	75	10110	29.743	ug/l #	42
80) 1,3,5-Trimethylbenzene	14.25	105	2560	1.980	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.57	75	10763	107.400	ug/l #	17
84) 1,2,4-Trimethylbenzene	14.25	105	2560	1.980	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	869	1.120	ug/l	91
88) 1,4-Dichlorobenzene	14.46	146	869	1.139	ug/l	91
91) 1,2-Dichlorobenzene	14.82	146	889	1.374	ug/l	97
93) 1,2,4-Trichlorobenzene	15.95	180	1068	3.558	ug/l	94
95) Naphthalene	16.14	128	3072	6.735	ug/l #	85
96) 1,2,3-Trichlorobenzene	16.29	180	724	4.884	ug/l #	68

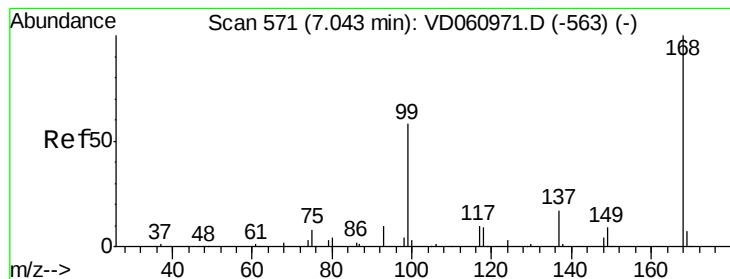
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-1(0.5-1.5)RE

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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: VD061083.D

Acq: 15 Mar 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

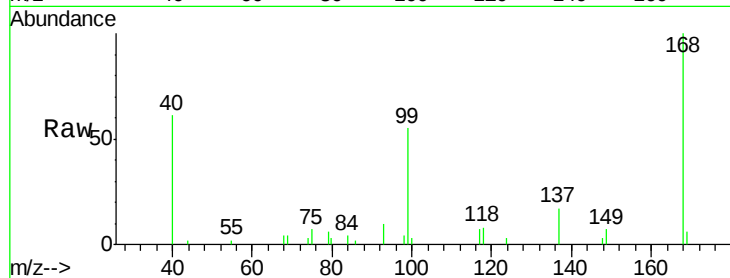
SB-1(0.5-1.5)RE

Tot Ion:168 Resp: 54961

Ion Ratio Lower Upper

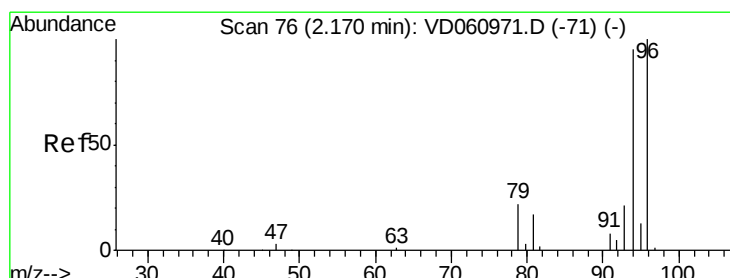
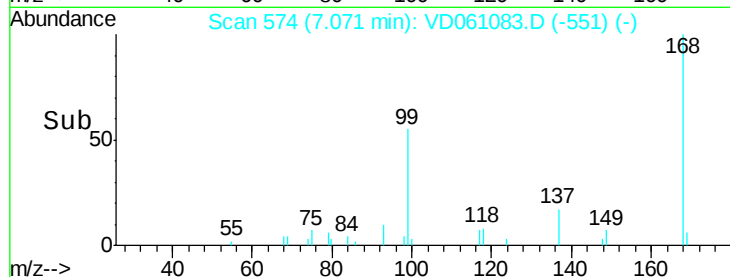
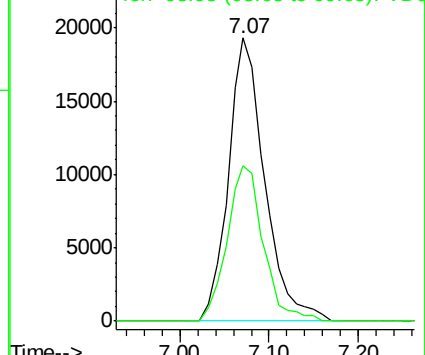
168 100

99 55.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 9.829 ug/l

RT: 2.21 min Scan# 80

Delta R.T. 0.04 min

Lab File: VD061083.D

Acq: 15 Mar 2019 13:26

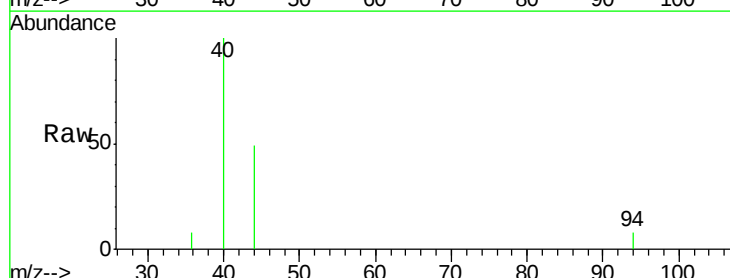
Tgt Ion: 94 Resp: 891

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

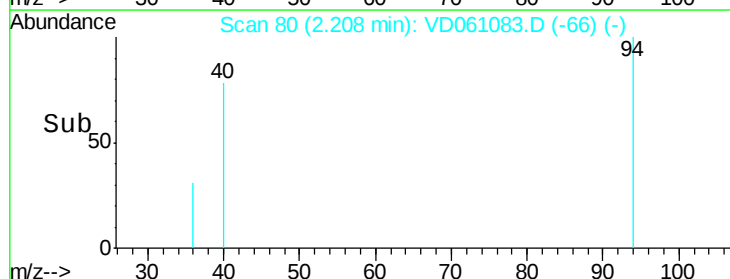
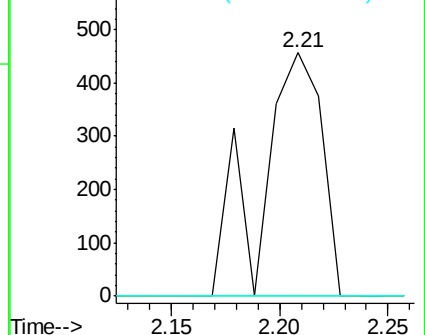
93 0.0 17.3 25.9#

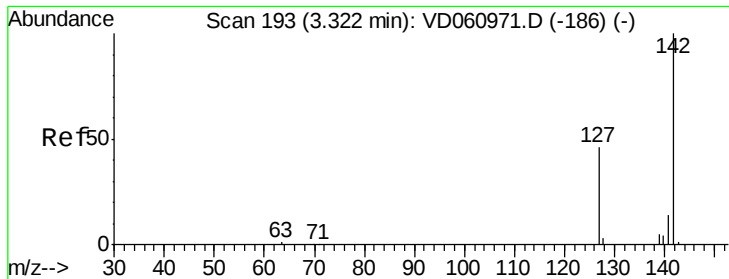


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

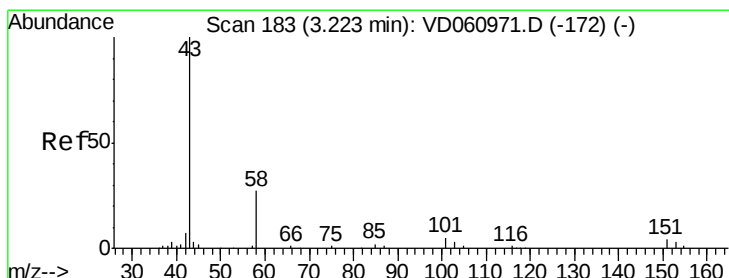
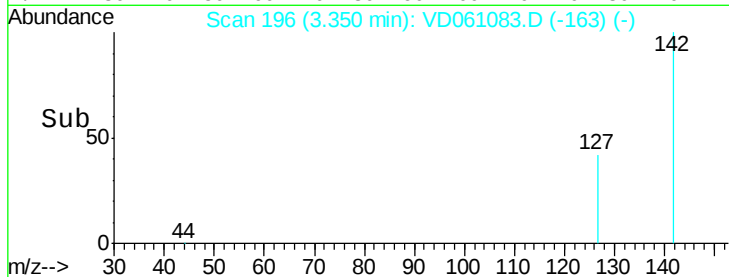
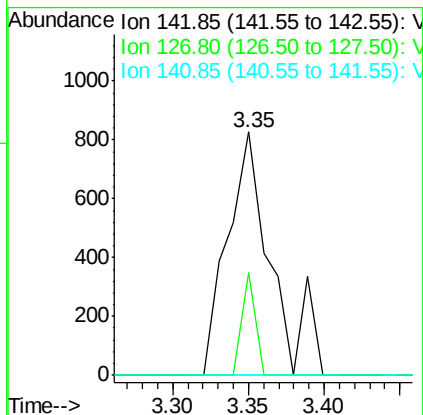
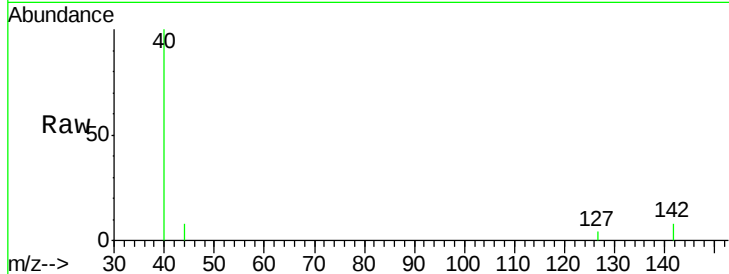




#10
Methvl Iodide
Concen: 4.625 ug/l
RT: 3.35 min Scan# 196
Delta R.T. 0.03 min
Lab File: VD061083.D
Acq: 15 Mar 2019 13:26

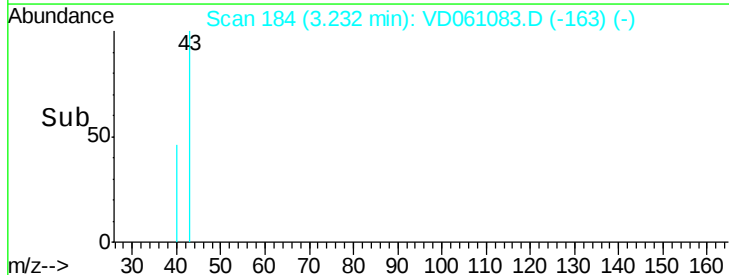
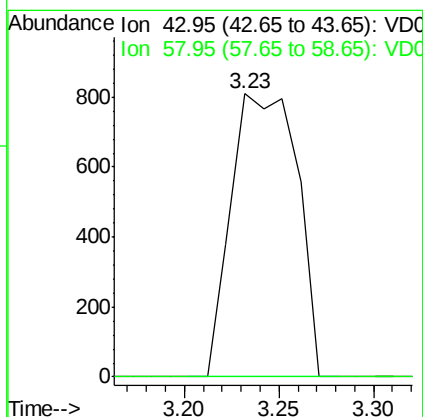
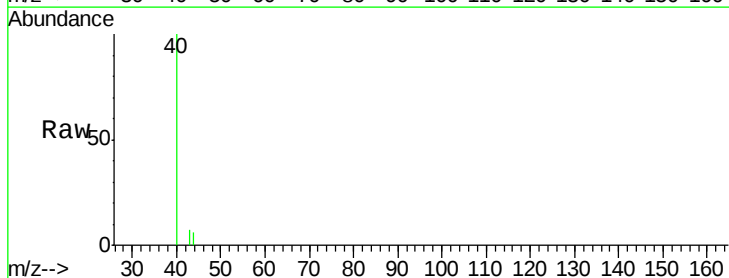
Instrument :
MSVOA_D
ClientSampleId :
SB-1(0.5-1.5)RE

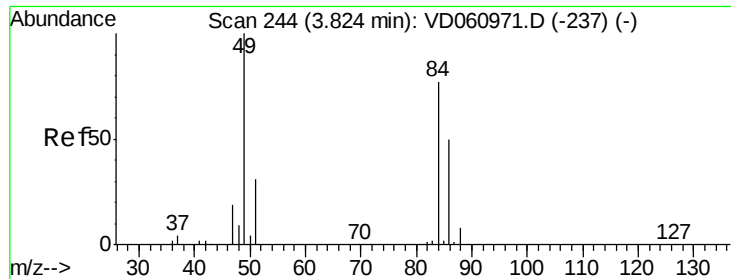
Tot Ion:142 Resp: 1665
Ion Ratio Lower Upper
142 100
127 42.0 36.8 55.2
141 0.0 11.2 16.8#



#16
Acetone
Concen: 14.952 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD061083.D
Acq: 15 Mar 2019 13:26

Tgt Ion: 43 Resp: 1956
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#

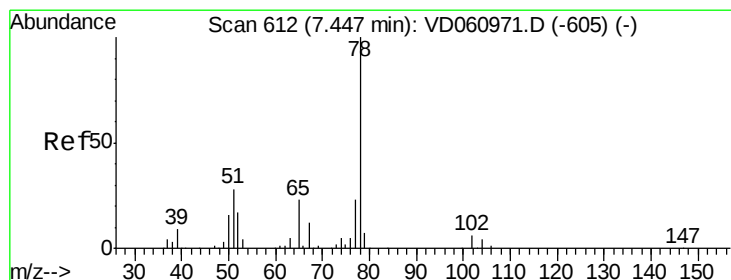
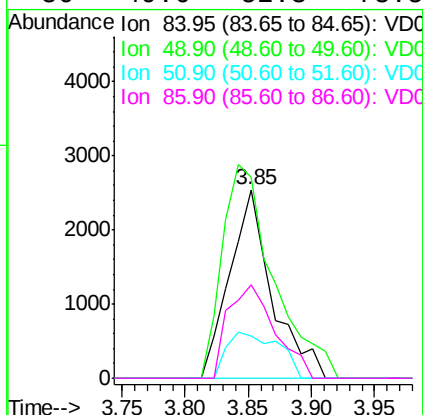
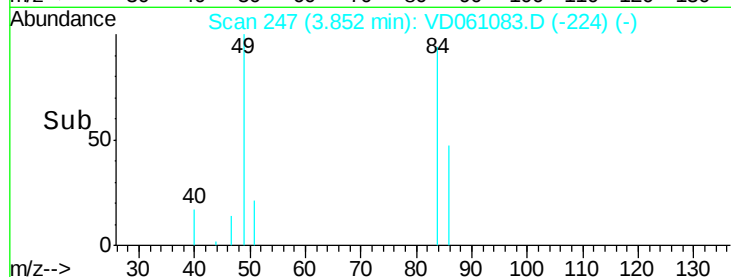
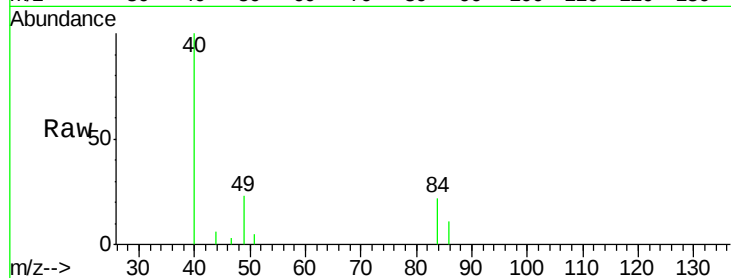




#20
Methvlene Chloride
Concen: 5.782 ug/l
RT: 3.85 min Scan# 247
Delta R.T. 0.03 min
Lab File: VD061083.D
Acq: 15 Mar 2019 13:26

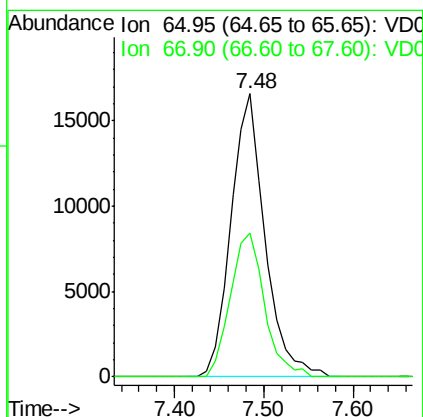
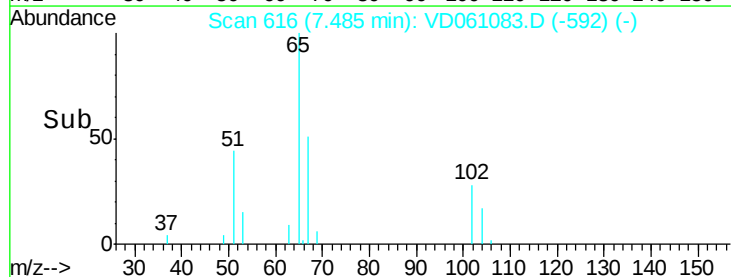
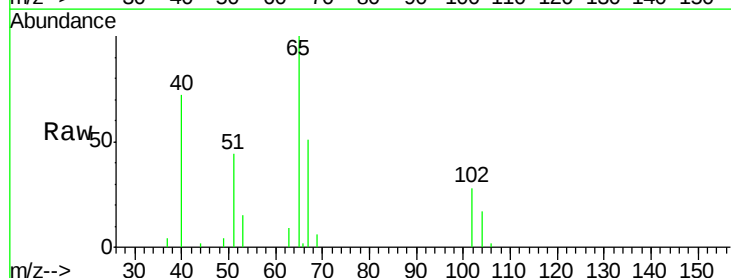
Instrument :
MSVOA_D
ClientSampleId :
SB-1(0.5-1.5)RE

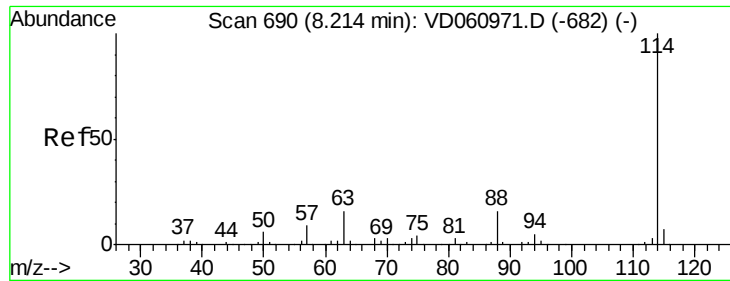
Tot Ion: 84 Resp: 5909
Ion Ratio Lower Upper
84 100
49 106.4 104.2 156.2
51 22.1 32.3 48.5#
86 49.6 52.3 78.5#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.48 min Scan# 616
Delta R.T. 0.04 min
Lab File: VD061083.D
Acq: 15 Mar 2019 13:26

Tgt Ion: 65 Resp: 44125
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061083.D

Acq: 15 Mar 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

SB-1(0.5-1.5)RE

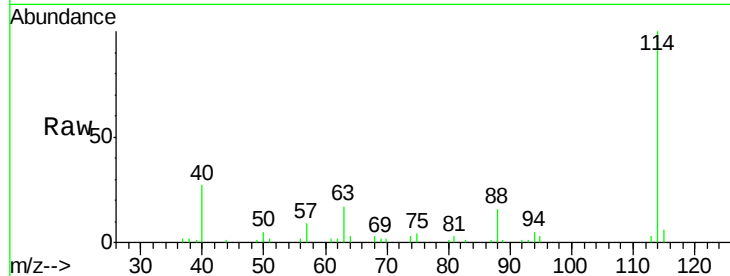
Tot Ion:114 Resp: 109019

Ion Ratio Lower Upper

114 100

63 16.6 0.0 31.4

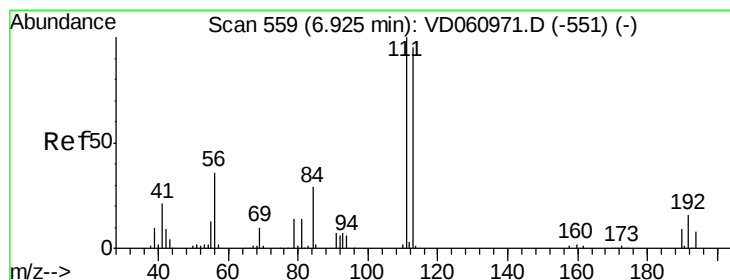
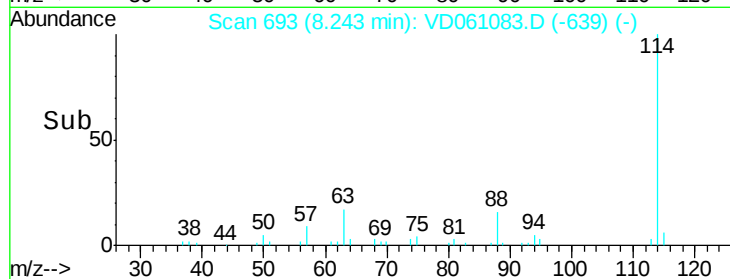
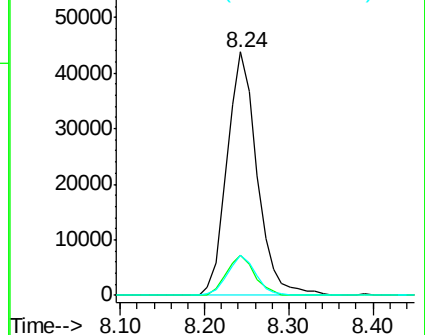
88 16.3 0.0 33.0



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: VD061083.D

Acq: 15 Mar 2019 13:26

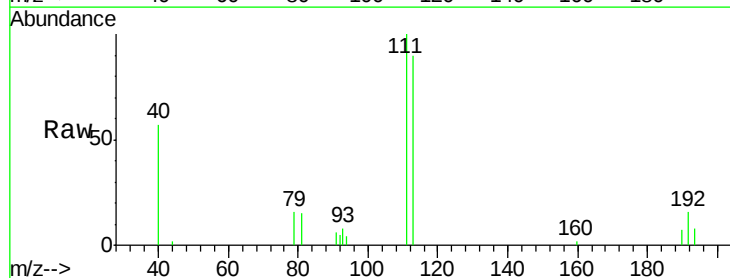
Tgt Ion:113 Resp: 51530

Ion Ratio Lower Upper

113 100

111 111.5 84.2 126.4

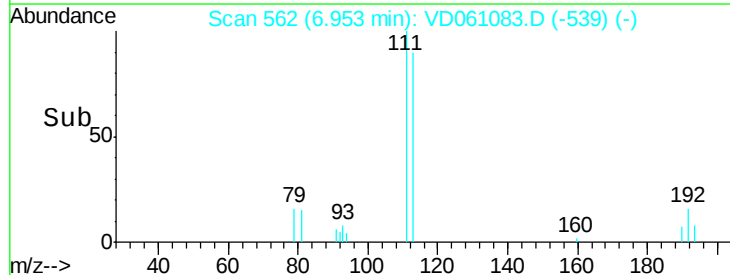
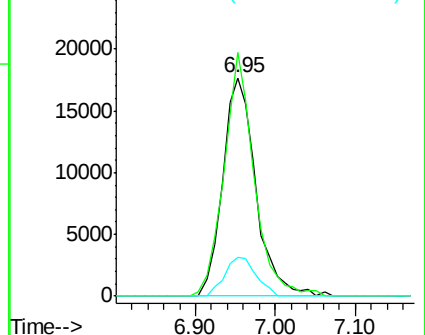
192 17.8 13.1 19.7

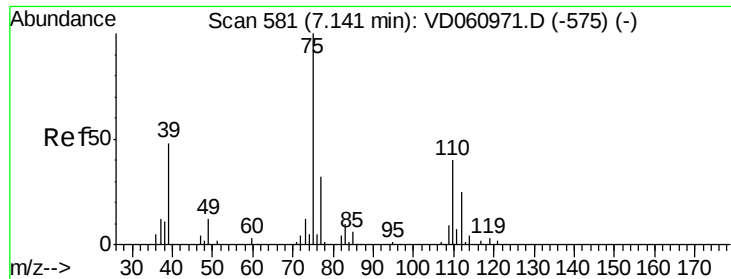


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 3.529 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.07 min

Lab File: VD061083.D

Acq: 15 Mar 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

SB-1(0.5-1.5)RE

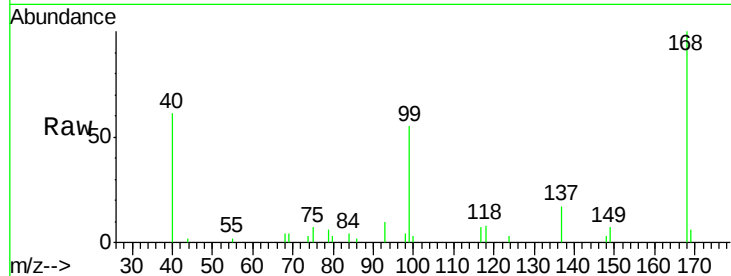
Tot Ion: 75 Resp: 3316

Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.1#

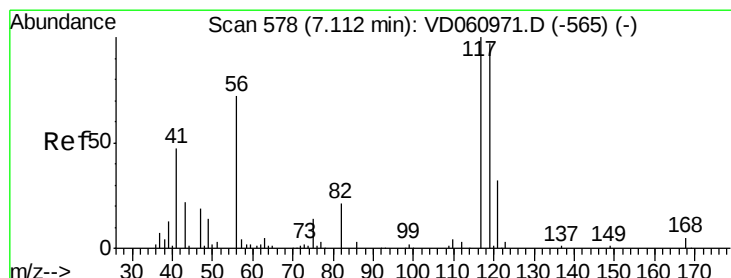
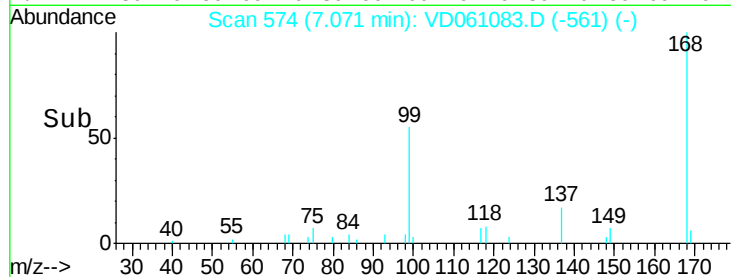
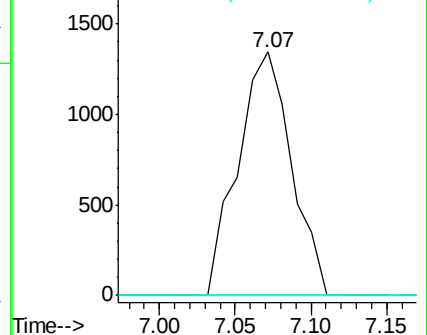
77 0.0 24.7 37.1#



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: 4.424 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD061083.D

Acq: 15 Mar 2019 13:26

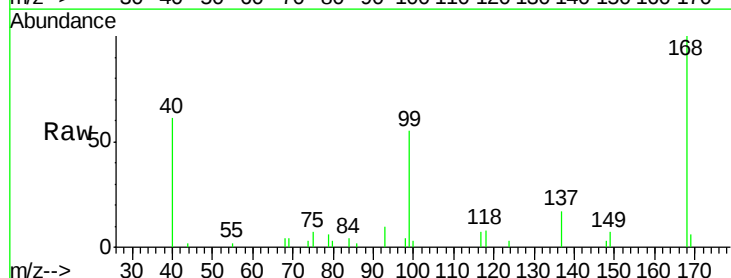
Tgt Ion: 117 Resp: 4579

Ion Ratio Lower Upper

117 100

119 0.0 77.8 116.8#

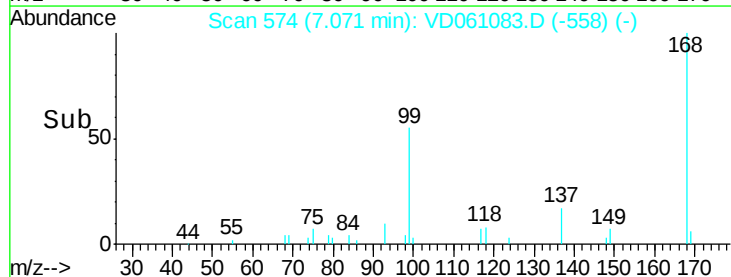
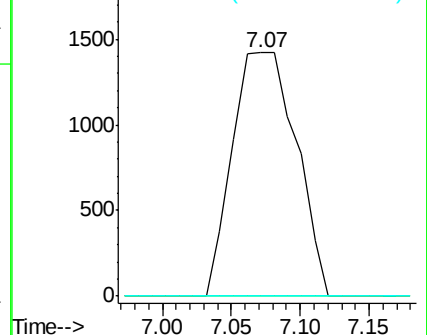
121 0.0 25.3 37.9#

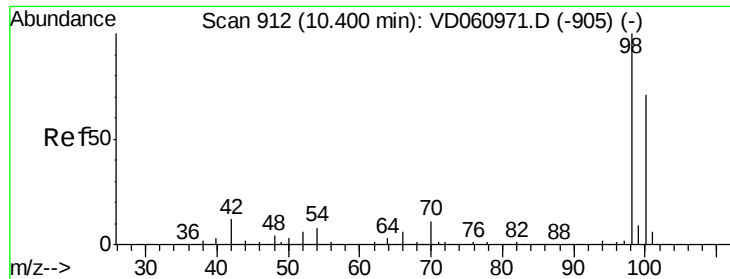


Abundance Ion 116.85 (116.55 to 117.55): V

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: VD061083.D

Acq: 15 Mar 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

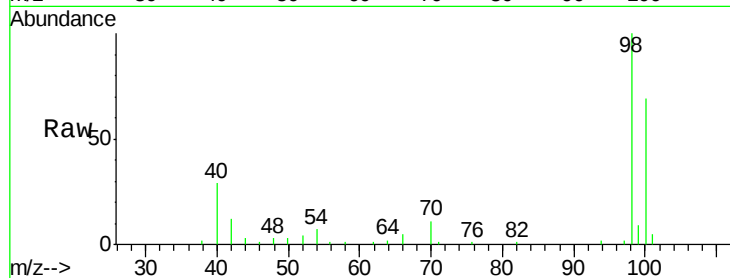
SB-1(0.5-1.5)RE

Tot Ion: 98 Resp: 95161

Ion Ratio Lower Upper

98 100

100 68.6 57.4 86.2

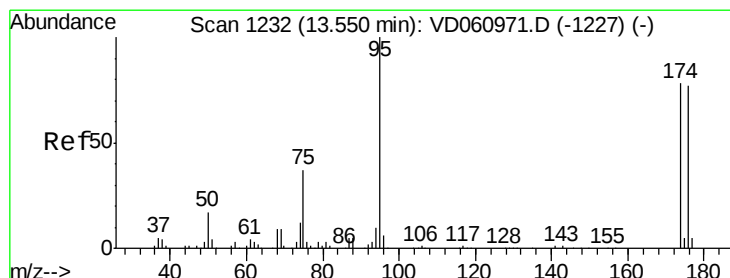
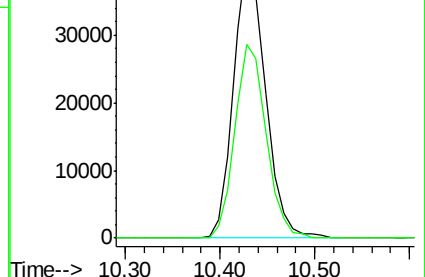
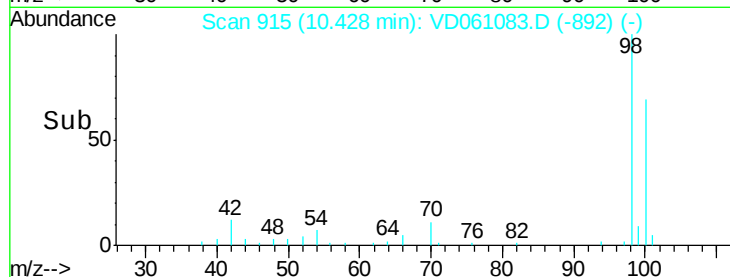


Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

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

10.43

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061083.D

Acq: 15 Mar 2019 13:26

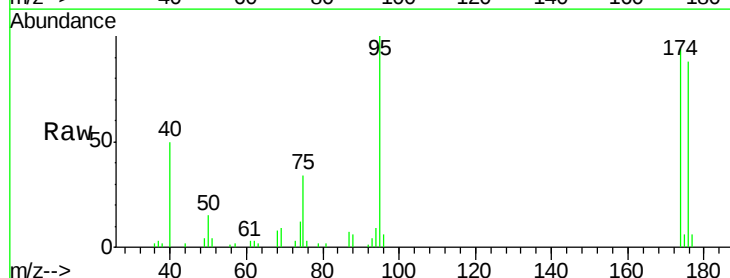
Tgt Ion: 95 Resp: 31115

Ion Ratio Lower Upper

95 100

174 94.2 0.0 155.6

176 88.3 0.0 153.8



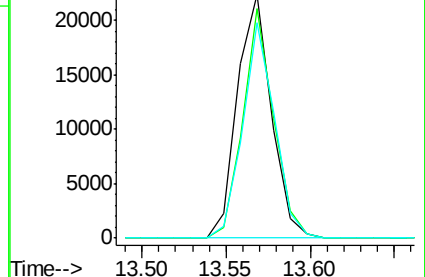
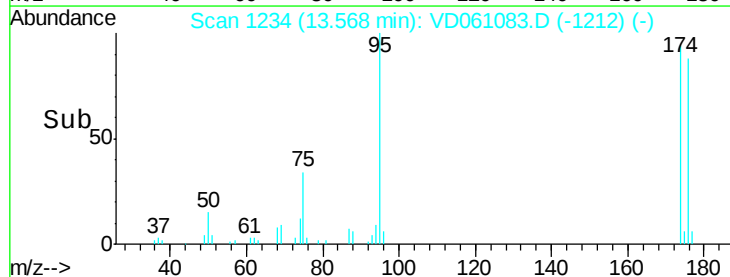
Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

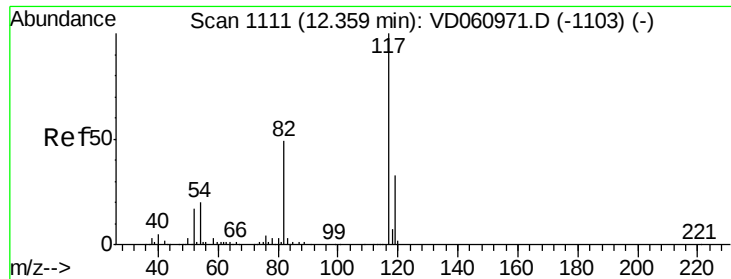
Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

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

13.57

Time-->

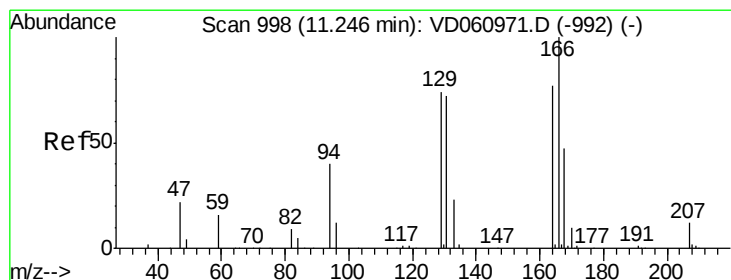
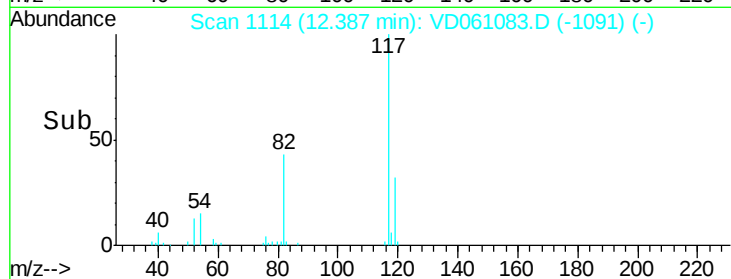
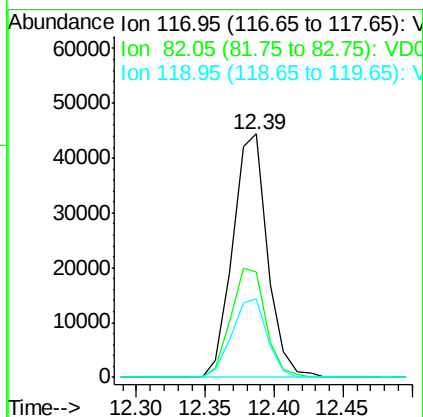
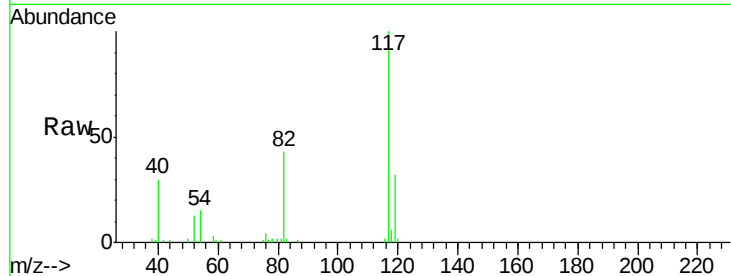




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD061083.D
Acq: 15 Mar 2019 13:26

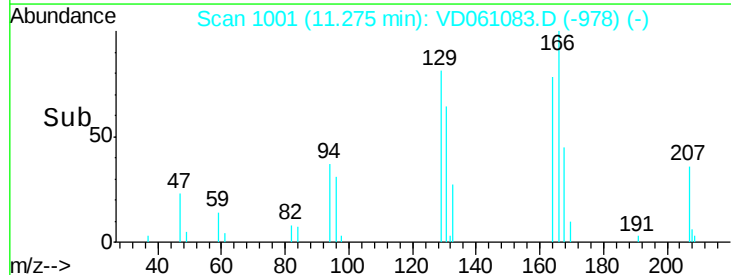
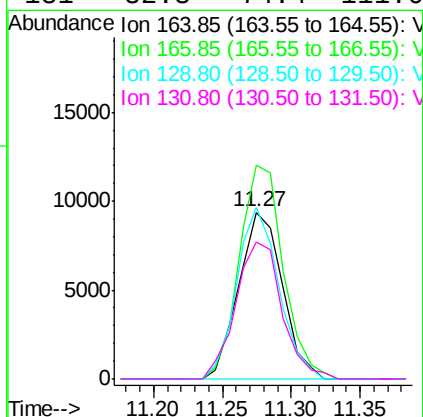
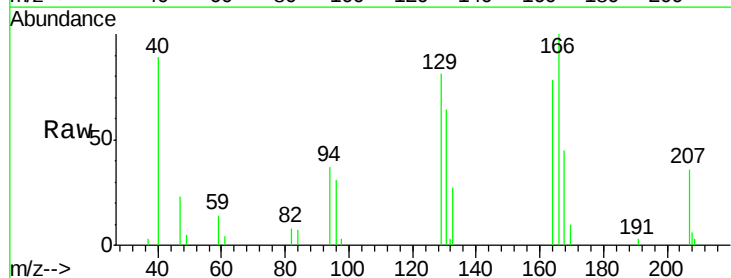
Instrument :
MSVOA_D
ClientSampleId :
SB-1(0.5-1.5)RE

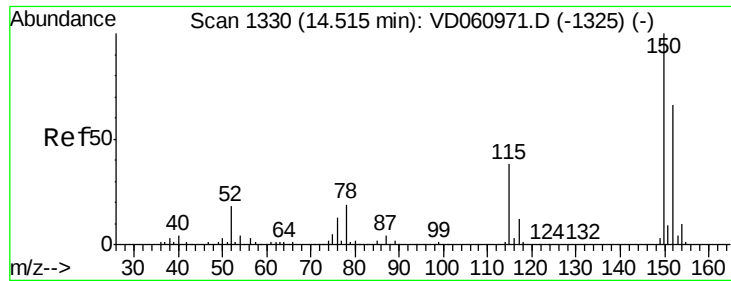
Tot Ion:117 Resp: 78064
Ion Ratio Lower Upper
117 100
82 43.1 38.9 58.3
119 32.0 26.6 39.8



#64
Tetrachloroethene
Concen: 39.359 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD061083.D
Acq: 15 Mar 2019 13:26

Tgt Ion:164 Resp: 20741
Ion Ratio Lower Upper
164 100
166 128.0 103.4 155.0
129 103.1 76.9 115.3
131 82.3 74.4 111.6

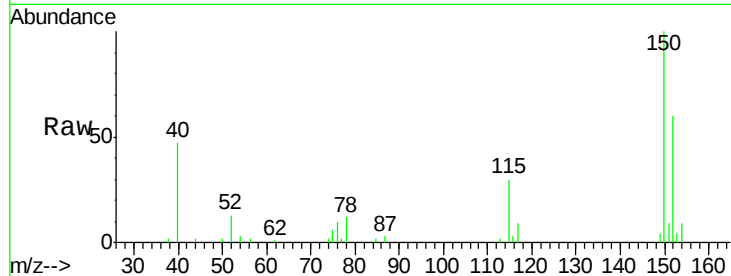




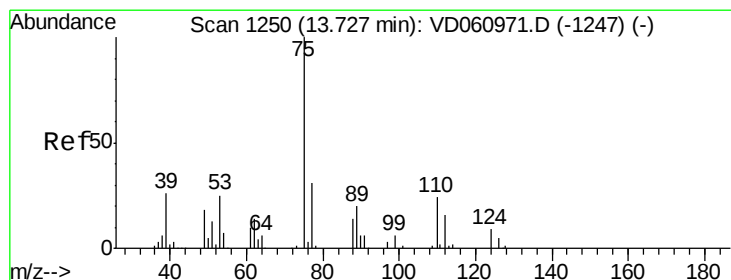
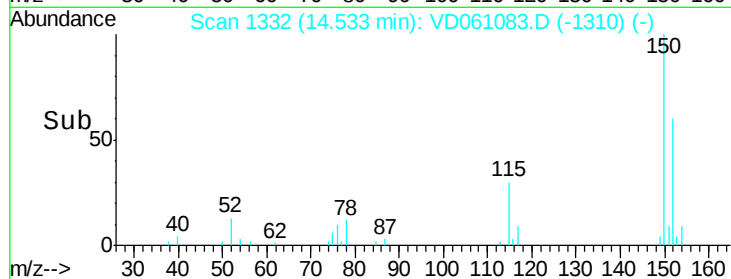
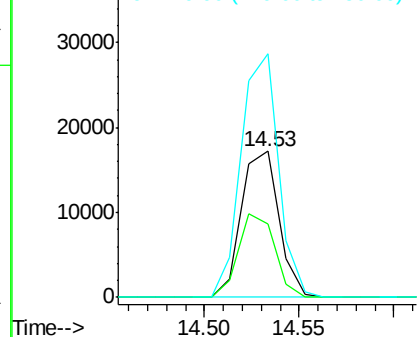
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.02 min
 Lab File: VD061083.D
 Acq: 15 Mar 2019 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(0.5-1.5)RE

Tot Ion:152 Resp: 23627
 Ion Ratio Lower Upper
 152 100
 115 50.6 28.6 85.9
 150 166.5 0.0 310.6

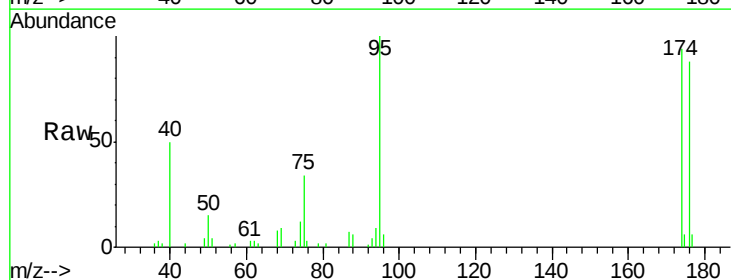


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

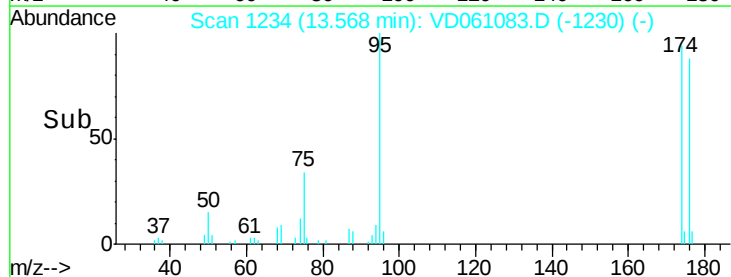
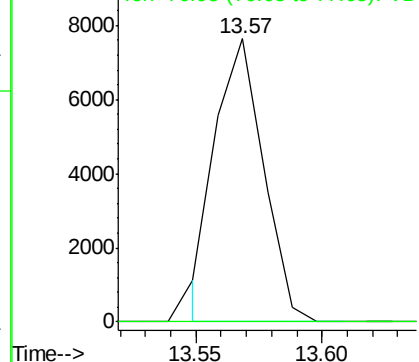


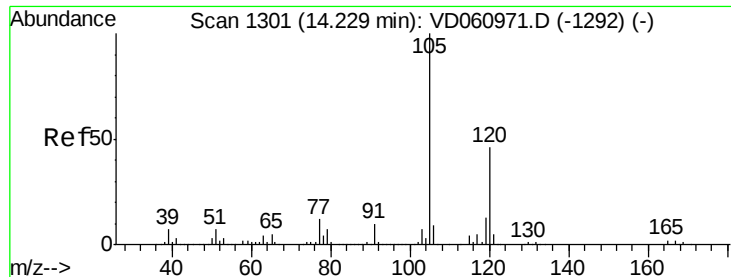
#76
 1,2,3-Trichloropropane
 Concen: 29.743 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. -0.16 min
 Lab File: VD061083.D
 Acq: 15 Mar 2019 13:26

Tgt Ion: 75 Resp: 10110
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC

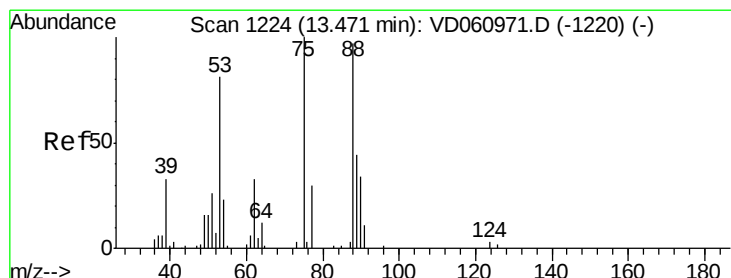
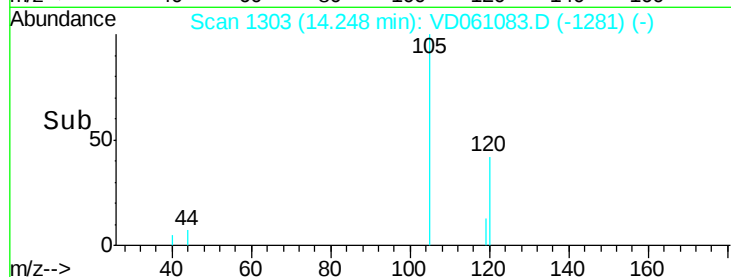
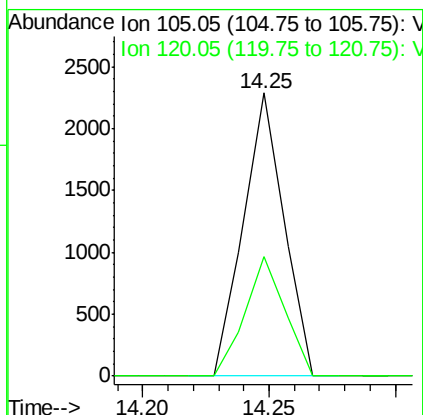
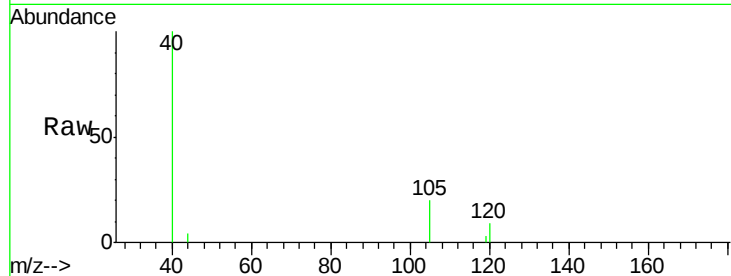




#80
 1,3,5-Trimethylbenzene
 Concen: 1.980 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD061083.D
 Acq: 15 Mar 2019 13:26

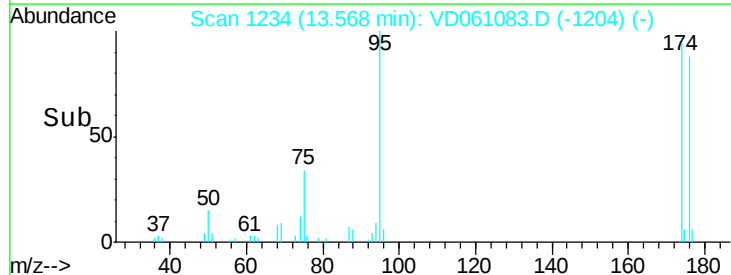
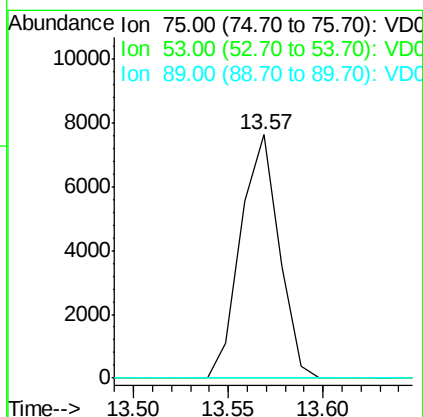
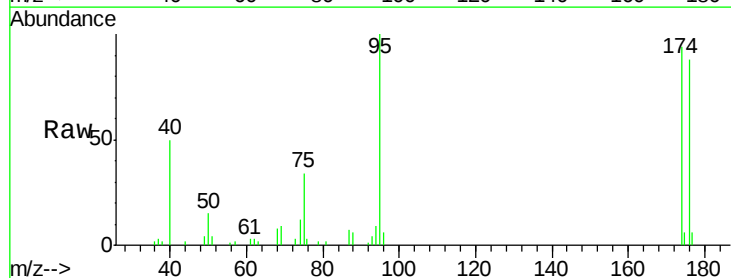
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(0.5-1.5)RE

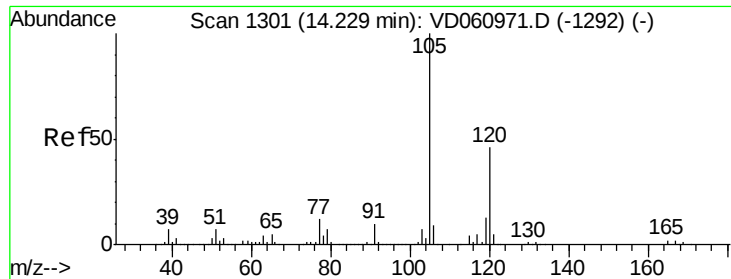
Tot Ion:105 Resp: 2560
 Ion Ratio Lower Upper
 105 100
 120 42.4 22.9 68.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.400 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.10 min
 Lab File: VD061083.D
 Acq: 15 Mar 2019 13:26

Tgt Ion: 75 Resp: 10763
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

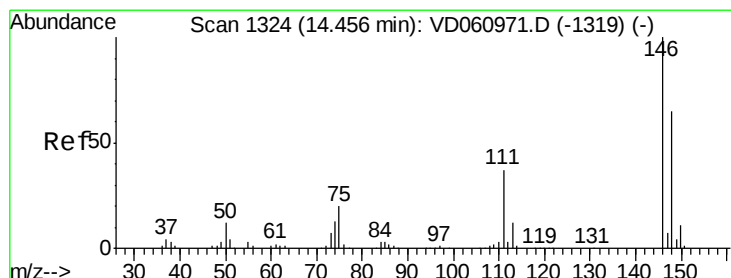
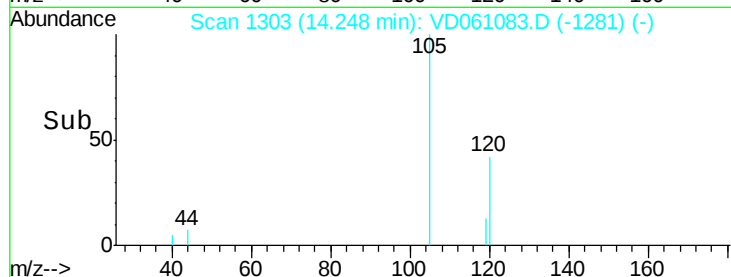
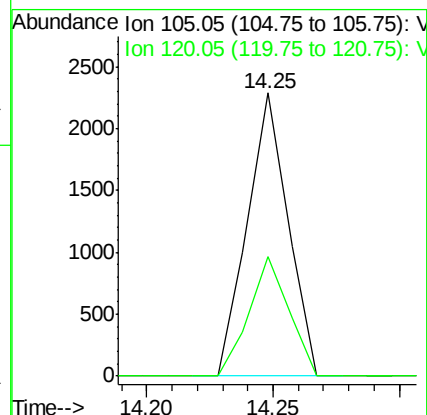
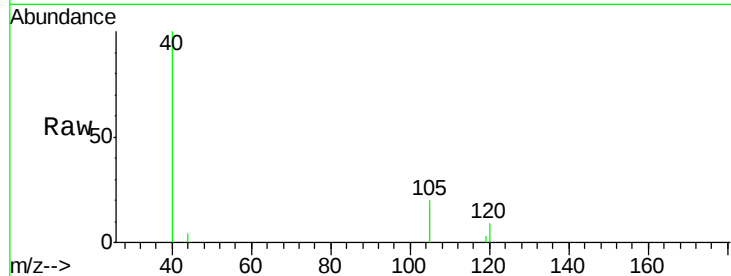




#84
 1,2,4-Trimethylbenzene
 Concen: 1.980 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD061083.D
 Acq: 15 Mar 2019 13:26

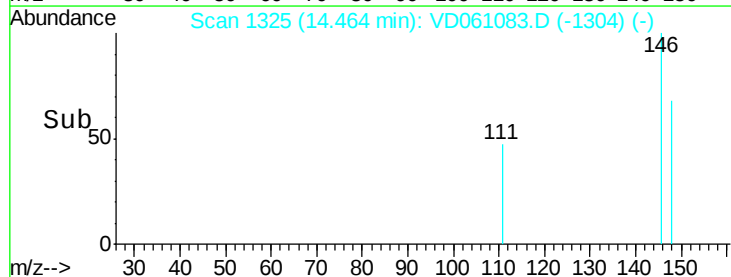
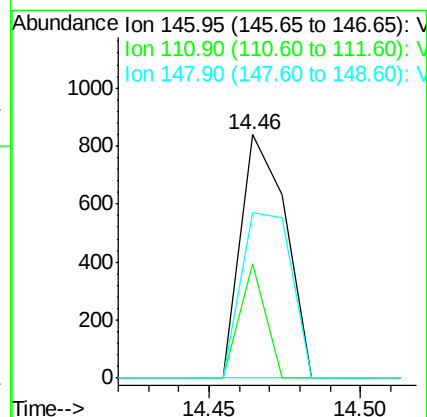
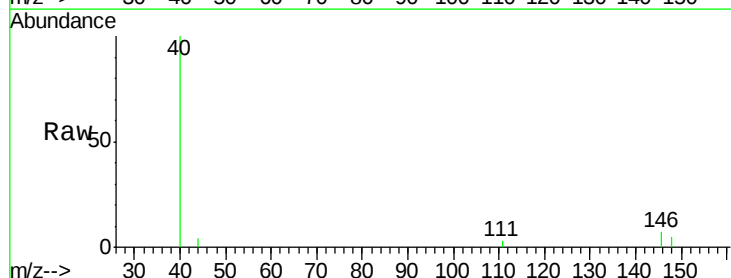
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(0.5-1.5)RE

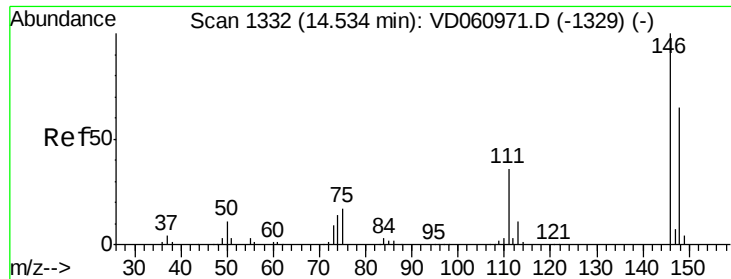
Tot Ion:105 Resp: 2560
 Ion Ratio Lower Upper
 105 100
 120 42.4 22.9 68.5



#87
 1,3-Dichlorobenzene
 Concen: 1.120 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061083.D
 Acq: 15 Mar 2019 13:26

Tgt Ion:146 Resp: 869
 Ion Ratio Lower Upper
 146 100
 111 47.2 18.4 55.4
 148 67.9 32.5 97.4

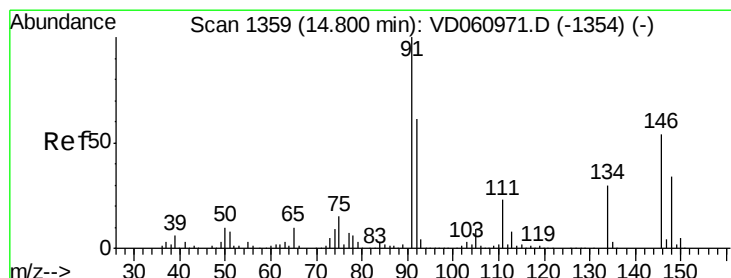
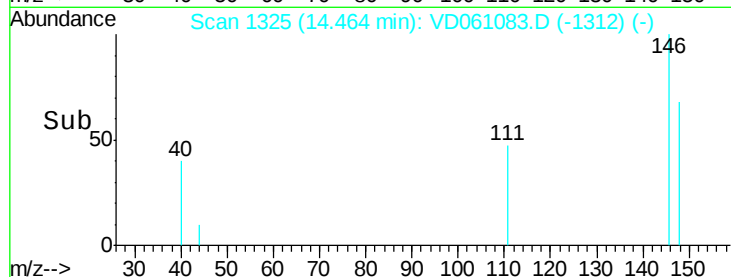
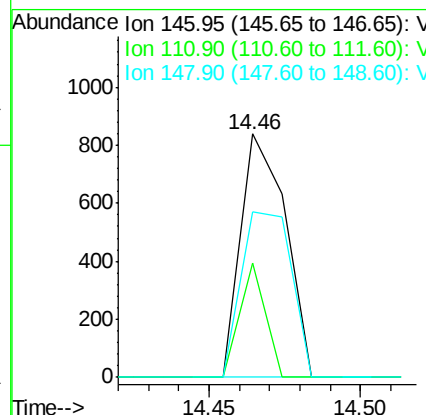
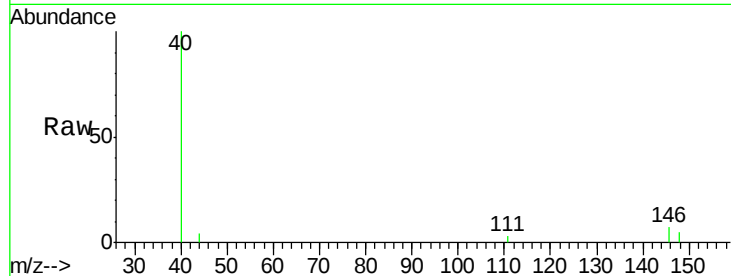




#88
 1,4-Dichlorobenzene
 Concen: 1.139 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. -0.07 min
 Lab File: VD061083.D
 Acq: 15 Mar 2019 13:26

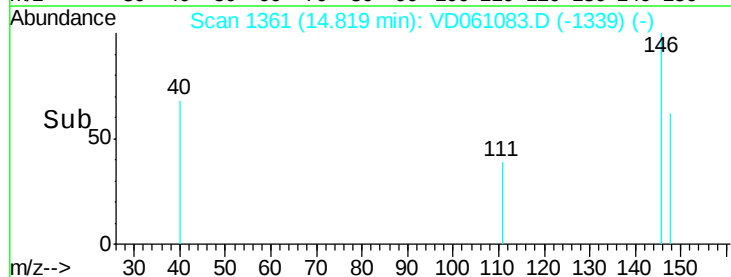
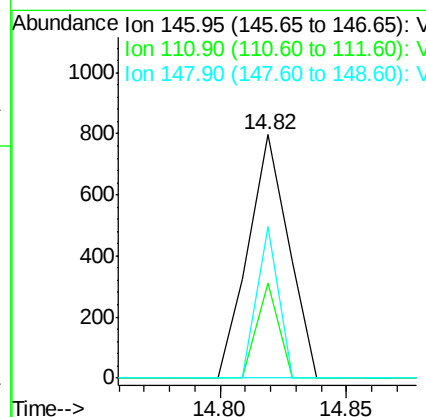
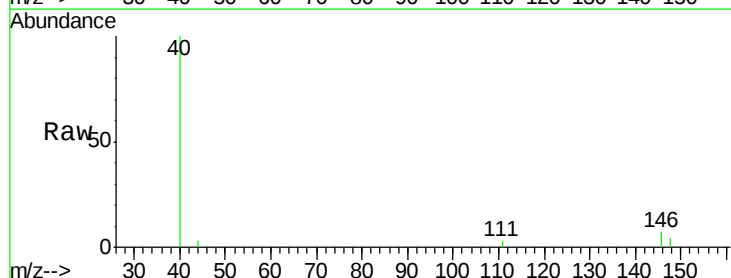
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(0.5-1.5)RE

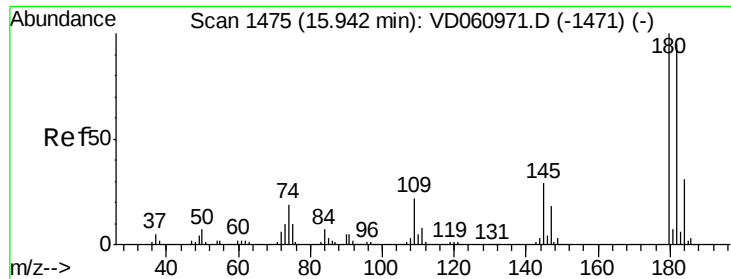
Tot Ion:146 Resp: 869
 Ion Ratio Lower Upper
 146 100
 111 47.2 18.4 55.2
 148 67.9 32.5 97.5



#91
 1,2-Dichlorobenzene
 Concen: 1.374 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061083.D
 Acq: 15 Mar 2019 13:26

Tgt Ion:146 Resp: 889
 Ion Ratio Lower Upper
 146 100
 111 39.0 21.5 64.5
 148 62.0 30.9 92.8

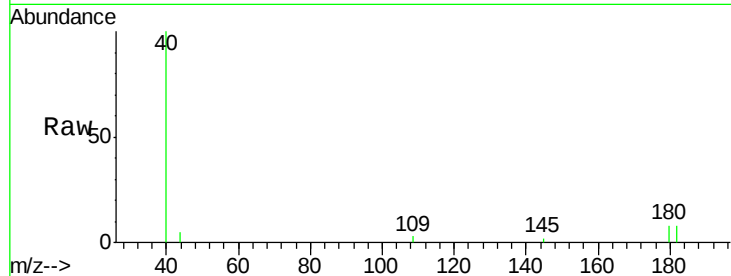




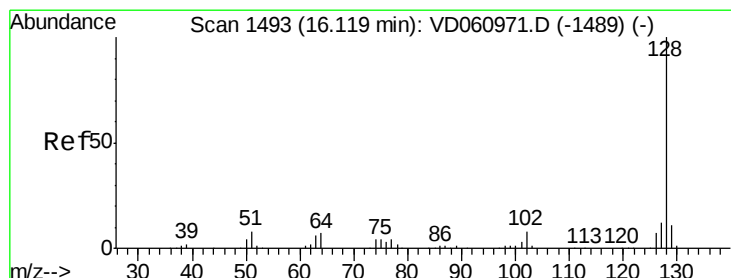
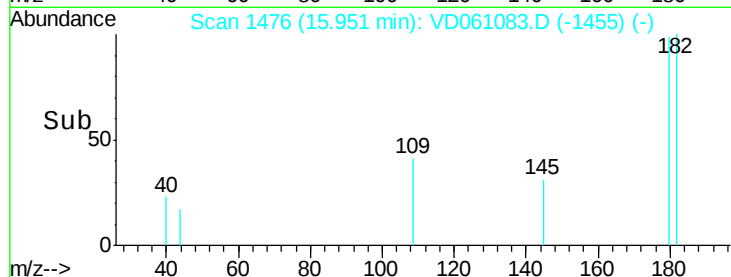
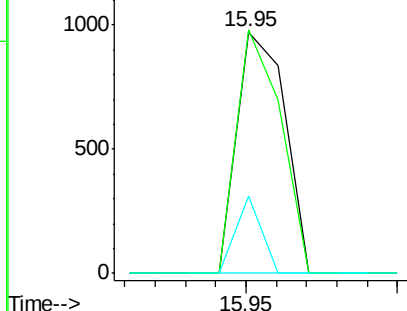
#93
 1,2,4-Trichlorobenzene
 Concen: 3.558 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061083.D
 Acq: 15 Mar 2019 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(0.5-1.5)RE

Tot Ion:180 Resp: 1068
 Ion Ratio Lower Upper
 180 100
 182 100.8 47.3 142.0
 145 31.8 14.4 43.0

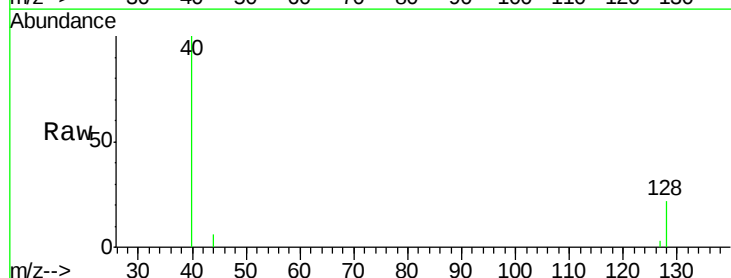


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

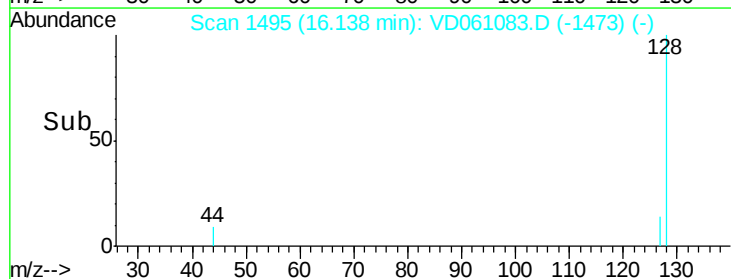
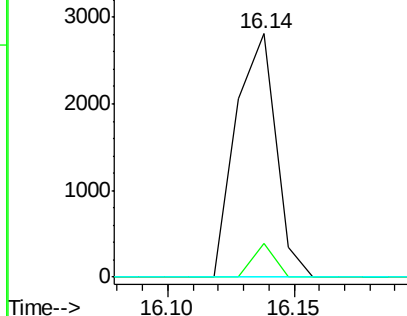


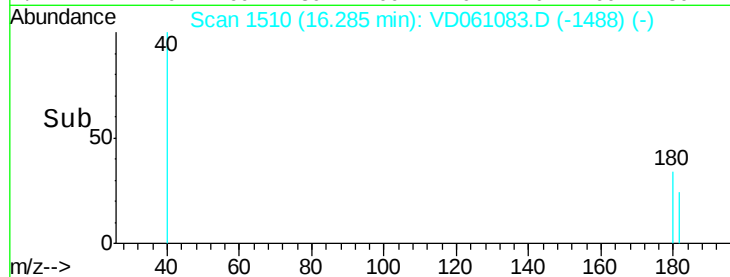
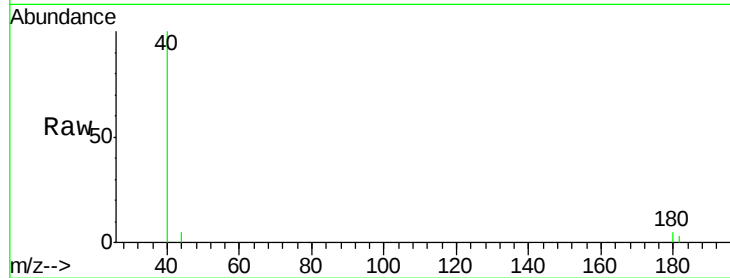
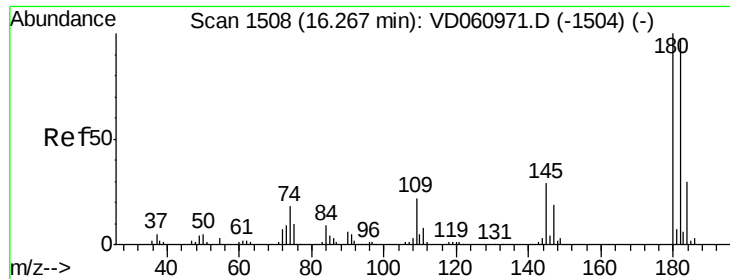
#95
 Naphthalene
 Concen: 6.735 ug/l
 RT: 16.14 min Scan# 1495
 Delta R.T. 0.02 min
 Lab File: VD061083.D
 Acq: 15 Mar 2019 13:26

Tgt Ion:128 Resp: 3072
 Ion Ratio Lower Upper
 128 100
 127 13.6 9.8 14.8
 129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 4.884 ug/l

RT: 16.29 min Scan# 1510

Delta R.T. 0.02 min

Lab File: VD061083.D

Acq: 15 Mar 2019 13:26

Instrument :

MSVOA_D

ClientSampleId :

SB-1(0.5-1.5)RE

Tot Ion:180 Resp: 724

Ion Ratio Lower Upper

180 100

182 72.3 48.6 145.8

145 0.0 14.3 42.9#

Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

