

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061561.D
 Acq On : 3 Apr 2019 17:50
 Operator : VA/AP
 Sample : K2209-01
 Misc : 6.66g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 E-6

Quant Time: Apr 04 01:50:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	21143	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	42260	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	34513	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.54	152	13169	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	14250	78.90	ug/l	0.03
Spiked Amount			Recovery	=	157.80%	
35) Dibromofluoromethane	6.94	113	17069	52.85	ug/l	0.04
Spiked Amount			Recovery	=	105.70%	
50) Toluene-d8	10.42	98	35941	46.40	ug/l	0.04
Spiked Amount			Recovery	=	92.80%	
62) 4-Bromofluorobenzene	13.57	95	15461	52.05	ug/l	0.03
Spiked Amount			Recovery	=	104.10%	

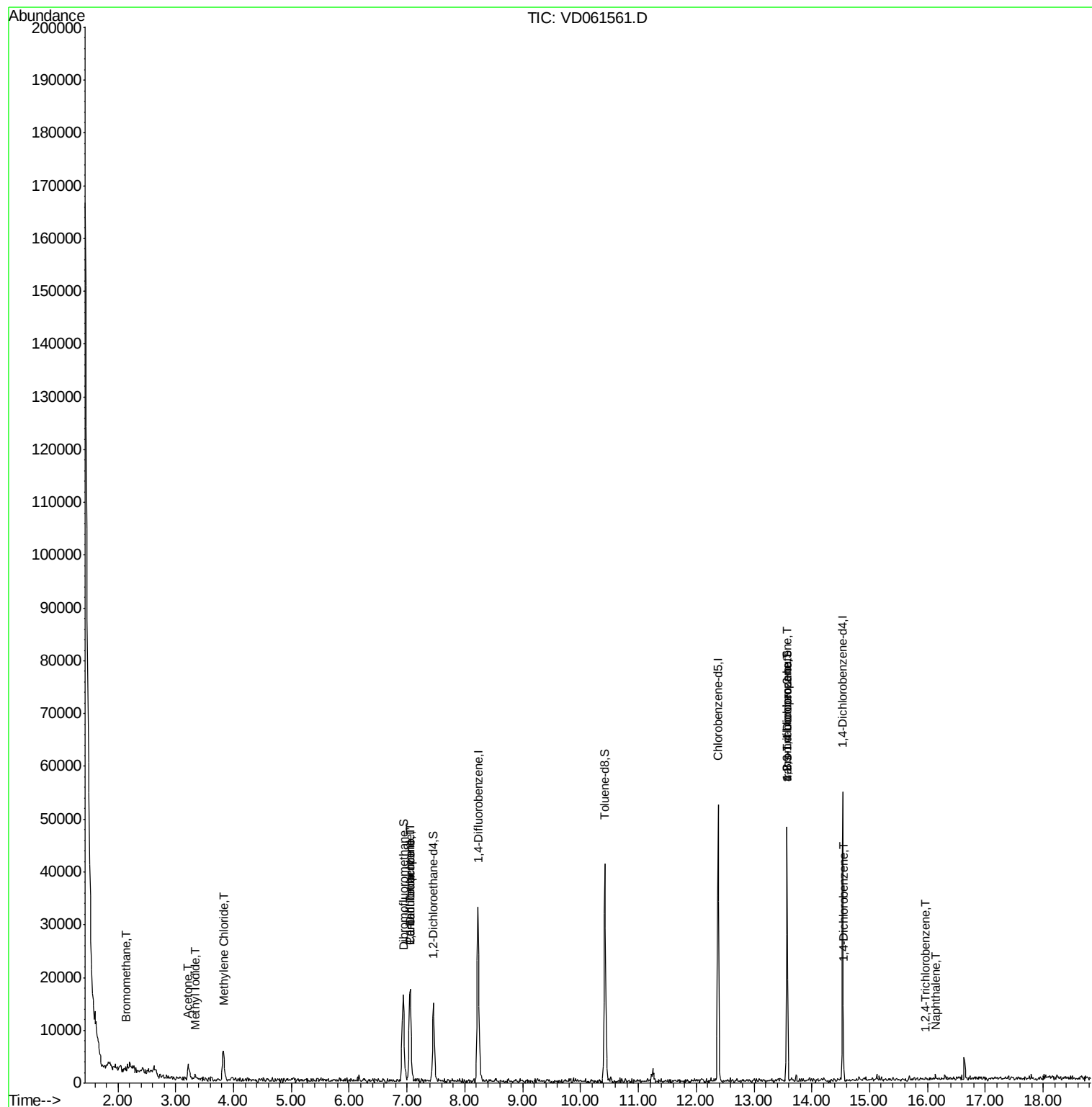
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	262	7.814	ug/l #	10
10) Methyl Iodide	3.33	142	1170	6.176	ug/l #	38
16) Acetone	3.21	43	5287	113.872	ug/l	97
20) Methylene Chloride	3.83	84	4628	16.507	ug/l #	80
36) 1,1-Dichloropropene	7.05	75	1081	2.931	ug/l #	38
38) Carbon Tetrachloride	7.04	117	1256	2.963	ug/l #	10
76) 1,2,3-Trichloropropane	13.57	75	5275	27.730	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.57	75	5275	90.947	ug/l #	18
88) 1,4-Dichlorobenzene	14.56	146	543	1.210	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.96	180	218	1.268	ug/l #	11
95) Naphthalene	16.14	128	628	2.396	ug/l #	70

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

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061561.D

Acq: 3 Apr 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

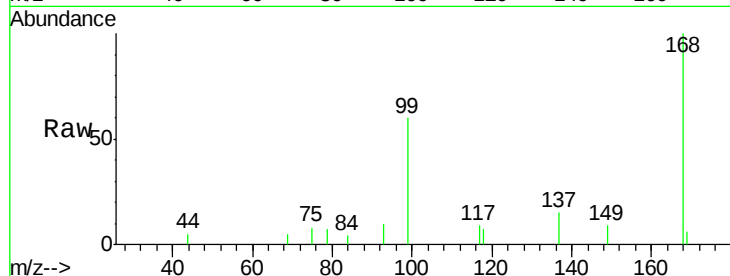
E-6

Tot Ion:168 Resp: 21143

Ion Ratio Lower Upper

168 100

99 60.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

6000

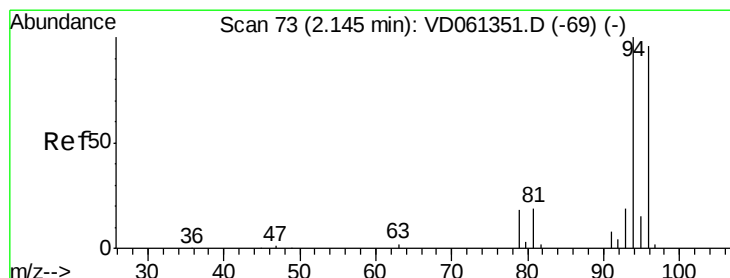
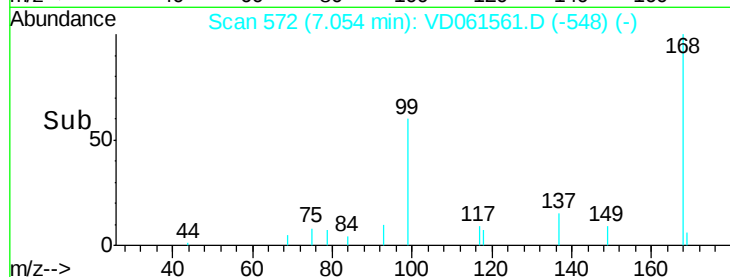
4000

2000

0

6.95 7.00 7.05 7.10 7.15

Time-->



#5

Bromomethane

Concen: 7.814 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD061561.D

Acq: 3 Apr 2019 17:50

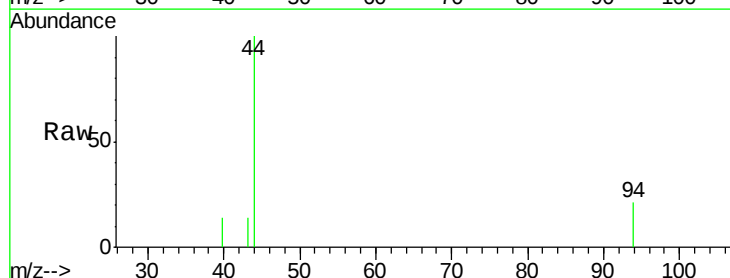
Tgt Ion: 94 Resp: 262

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

93 0.0 15.6 23.4#



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

2.14

600

500

400

300

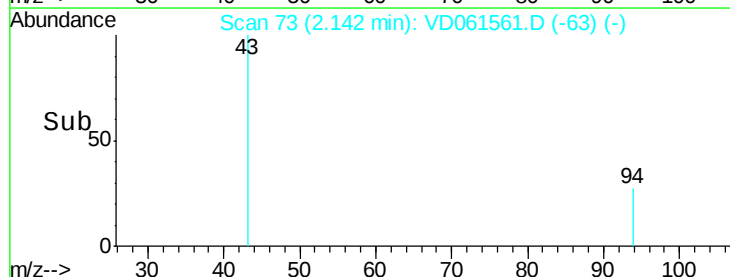
200

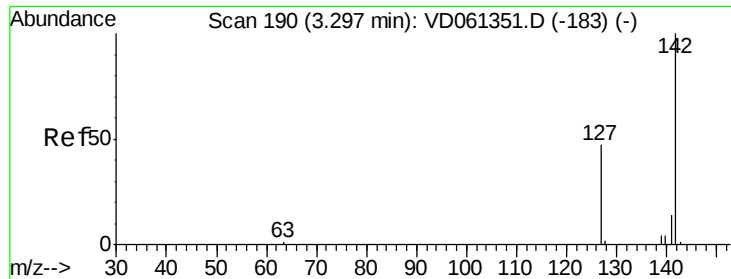
100

0

2.12 2.14 2.16

Time-->

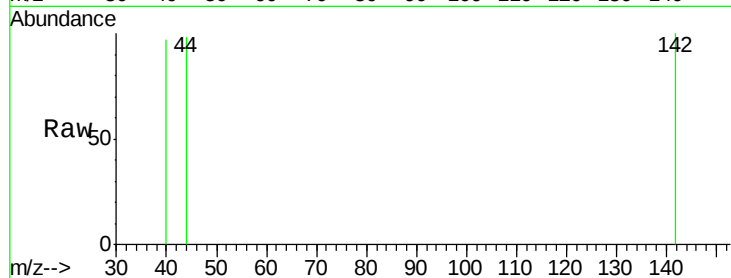




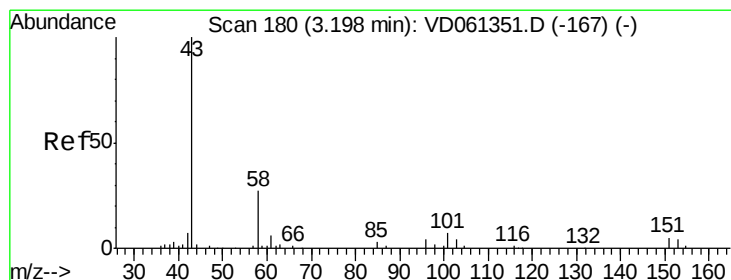
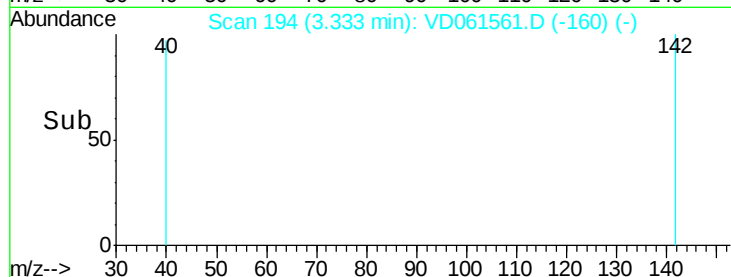
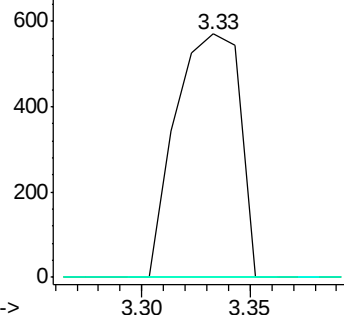
#10
Methvl Iodide
Concen: 6.176 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.04 min
Lab File: VD061561.D
Acq: 3 Apr 2019 17:50

Instrument :
MSVOA_D
ClientSampleId :
E-6

Tot Ion:142 Resp: 1170
Ion Ratio Lower Upper
142 100
127 0.0 37.7 56.5#
141 0.0 11.5 17.3#

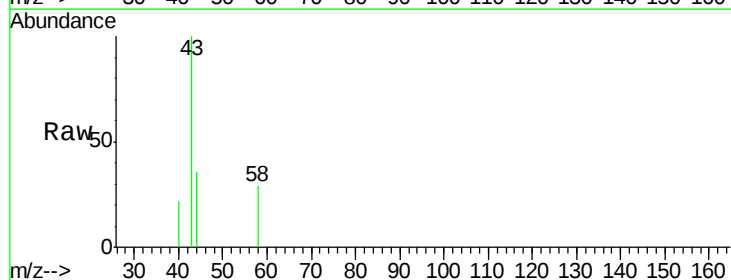


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

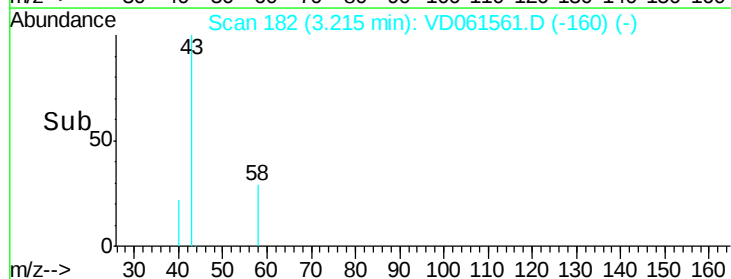
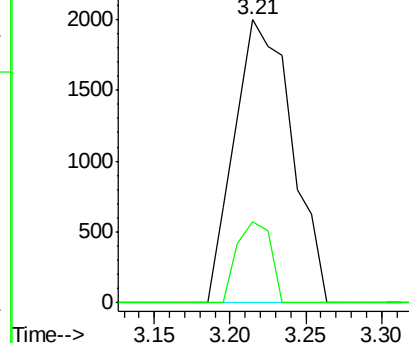


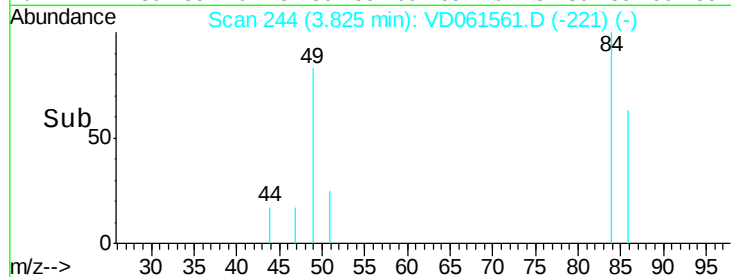
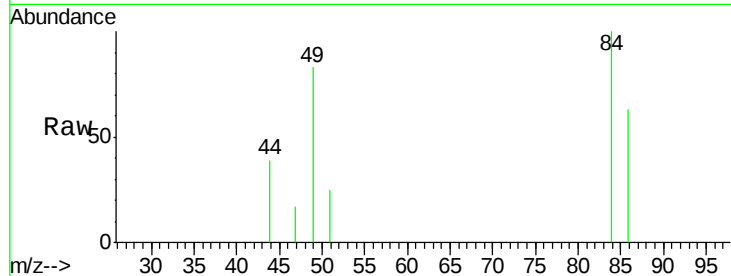
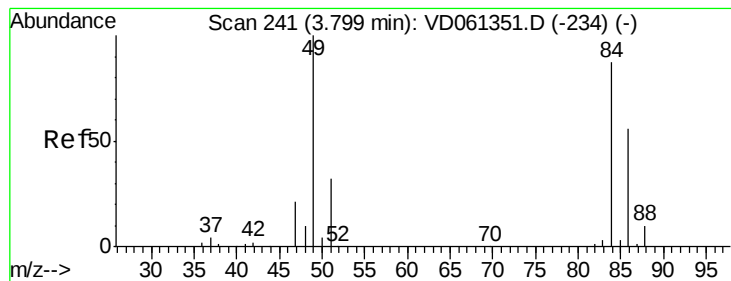
#16
Acetone
Concen: 113.872 ug/l
RT: 3.21 min Scan# 182
Delta R.T. 0.02 min
Lab File: VD061561.D
Acq: 3 Apr 2019 17:50

Tgt Ion: 43 Resp: 5287
Ion Ratio Lower Upper
43 100
58 28.6 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): V
Ion 57.95 (57.65 to 58.65): V





#20

Methylene Chloride

Concen: 16.507 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD061561.D

Acq: 3 Apr 2019 17:50

Instrument :

MSVOA_D

ClientSampled :

E-6

Tot Ion: 84 Resp: 4628

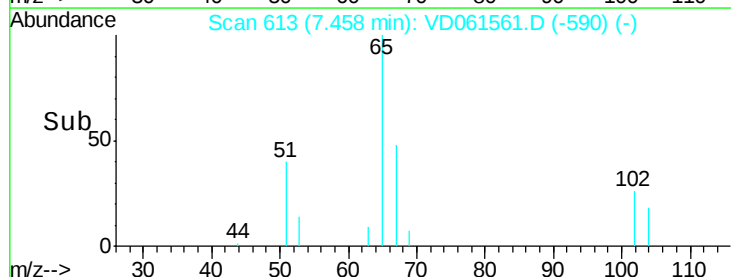
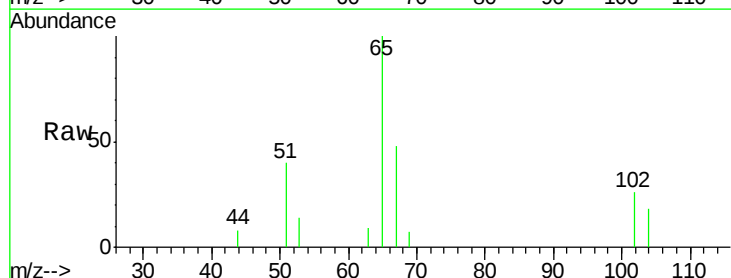
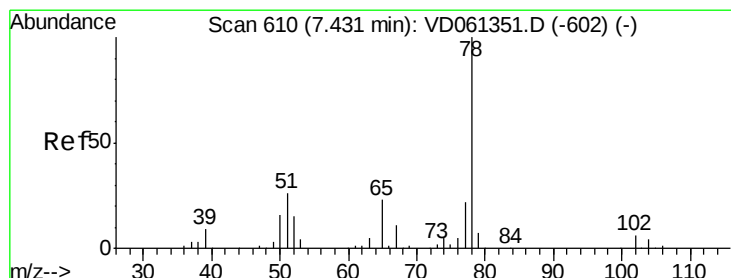
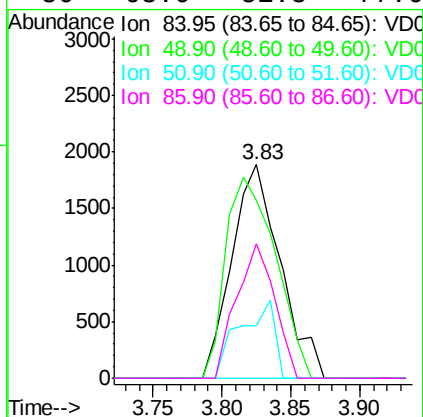
Ion Ratio Lower Upper

84 100

49 83.2 91.8 137.8#

51 24.8 29.8 44.8#

86 63.0 51.8 77.6



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD061561.D

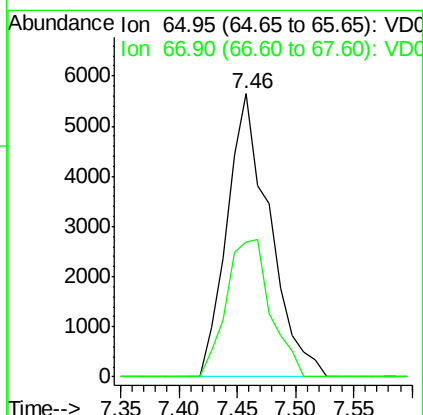
Acq: 3 Apr 2019 17:50

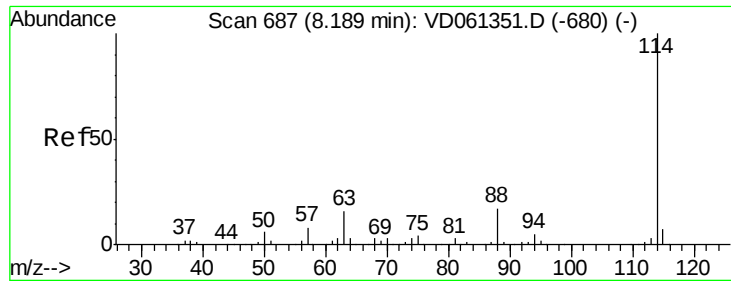
Tgt Ion: 65 Resp: 14250

Ion Ratio Lower Upper

65 100

67 47.6 0.0 99.8

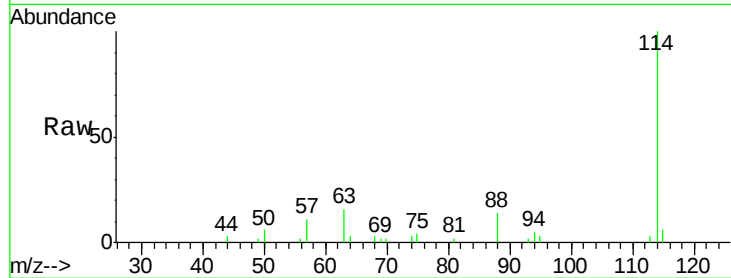




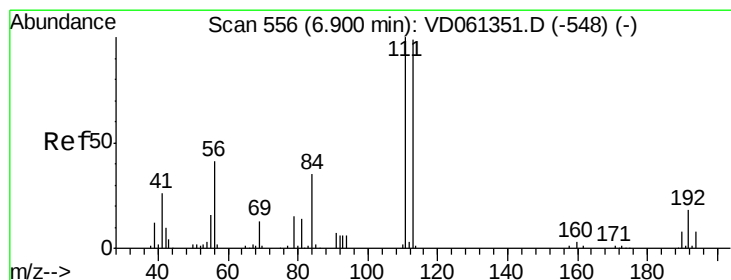
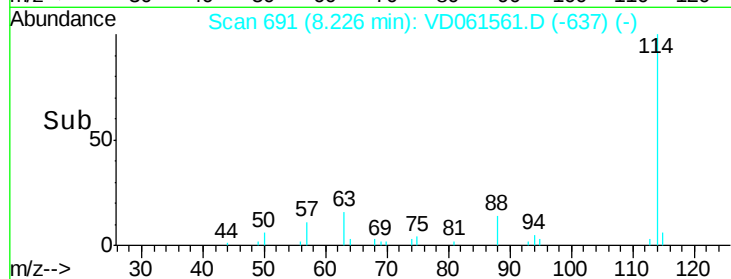
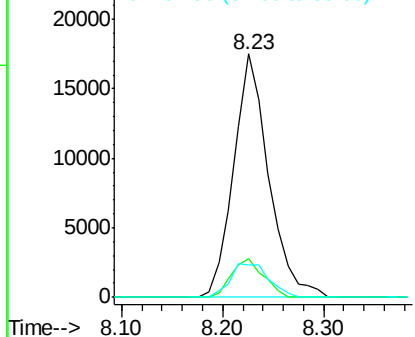
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.04 min
 Lab File: VD061561.D
 Acq: 3 Apr 2019 17:50

Instrument :
 MSVOA_D
 ClientSampleId :
 E-6

Tot Ion:114 Resp: 42260
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.6
 88 13.6 0.0 33.4

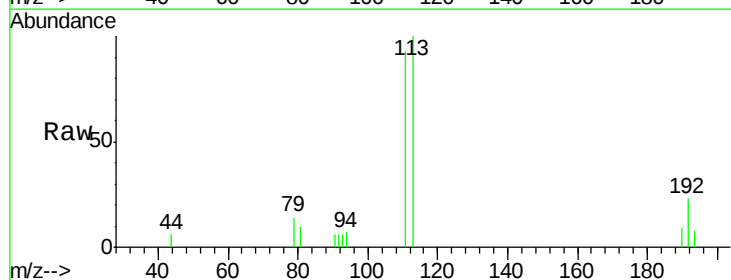


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

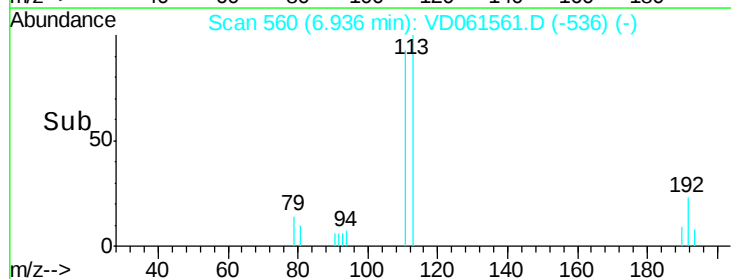
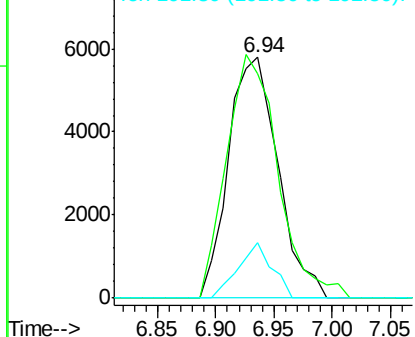


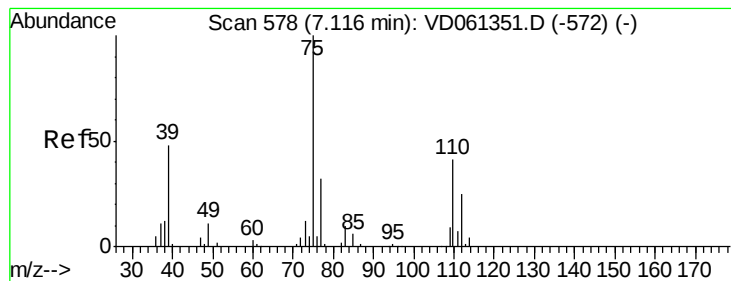
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD061561.D
 Acq: 3 Apr 2019 17:50

Tgt Ion:113 Resp: 17069
 Ion Ratio Lower Upper
 113 100
 111 93.4 81.0 121.6
 192 23.2 14.4 21.6#



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: 2.931 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061561.D

Acq: 3 Apr 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

E-6

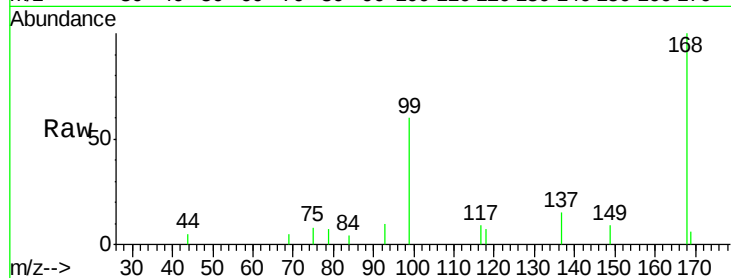
Tot Ion: 75 Resp: 1081

Ion Ratio Lower Upper

75 100

110 0.0 20.4 61.3#

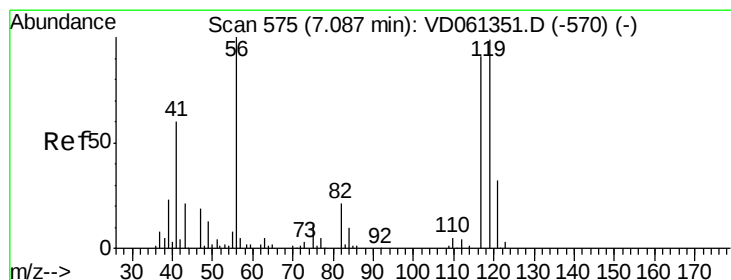
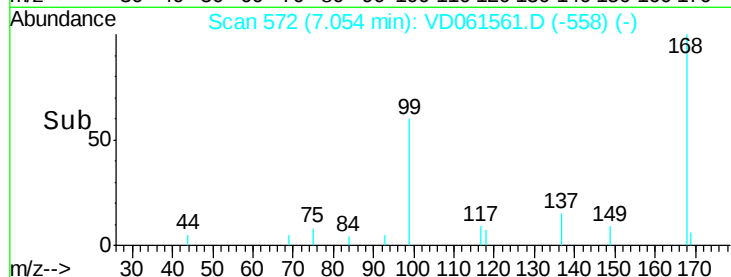
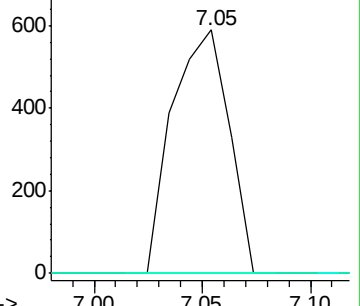
77 0.0 24.9 37.3#



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: 2.963 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.04 min

Lab File: VD061561.D

Acq: 3 Apr 2019 17:50

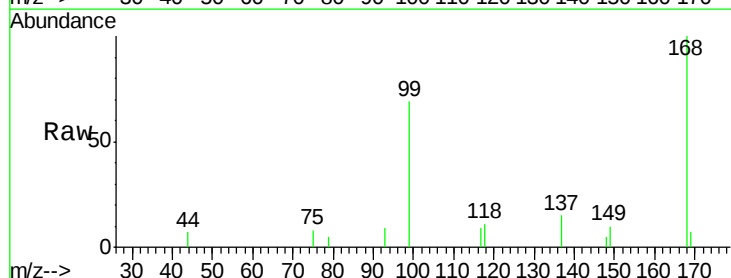
Tgt Ion: 117 Resp: 1256

Ion Ratio Lower Upper

117 100

119 0.0 80.1 120.1#

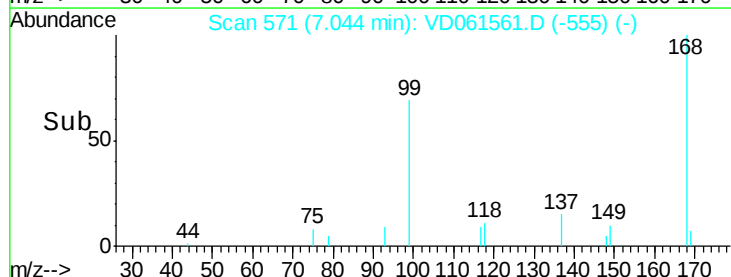
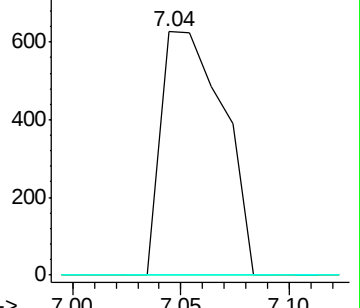
121 0.0 25.6 38.4#

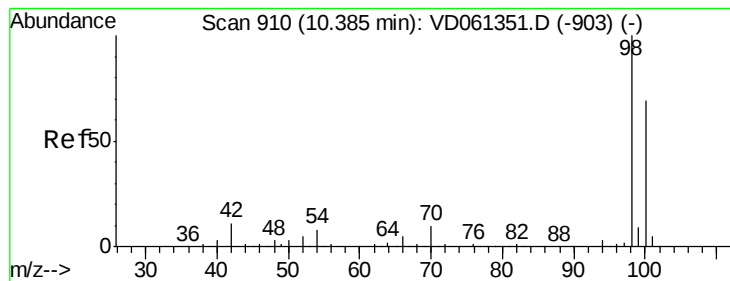


Abundance Ion 116.85 (116.55 to 117.55): V

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. 0.04 min

Lab File: VD061561.D

Acq: 3 Apr 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

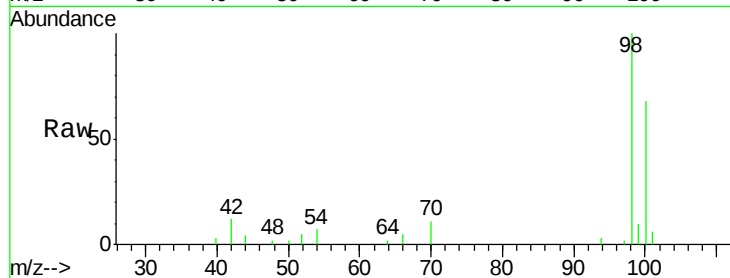
E-6

Tot Ion: 98 Resp: 35941

Ion Ratio Lower Upper

98 100

100 68.1 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)

Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

10.42

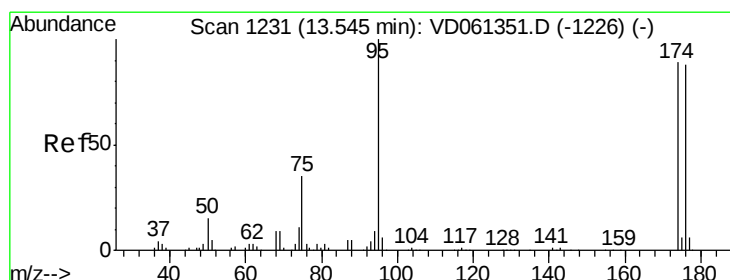
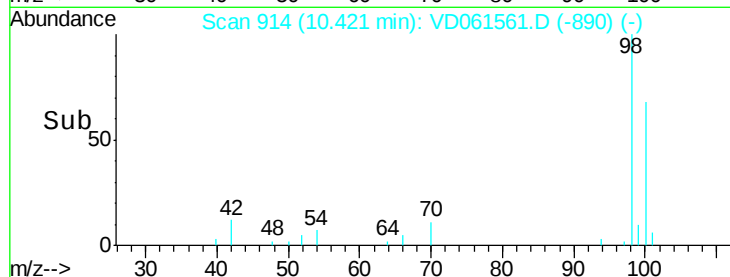
15000

10000

5000

0

Time--> 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.03 min

Lab File: VD061561.D

Acq: 3 Apr 2019 17:50

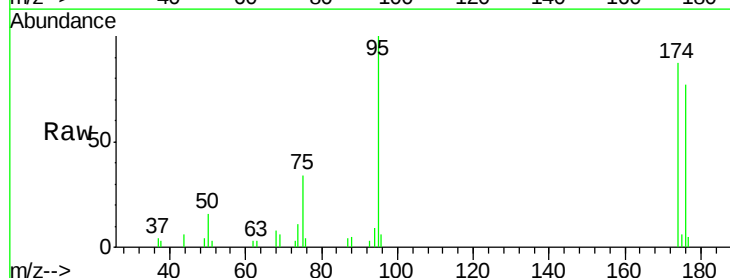
Tgt Ion: 95 Resp: 15461

Ion Ratio Lower Upper

95 100

174 87.1 0.0 178.0

176 81.8 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)

Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)

Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)

13.57

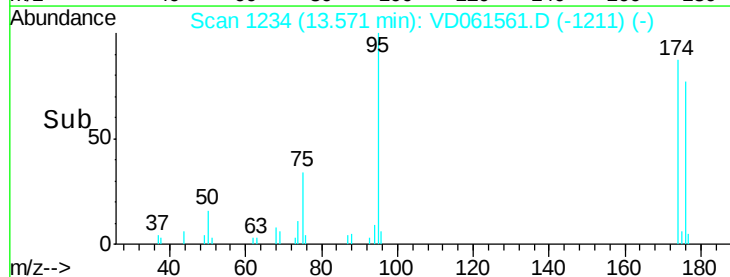
15000

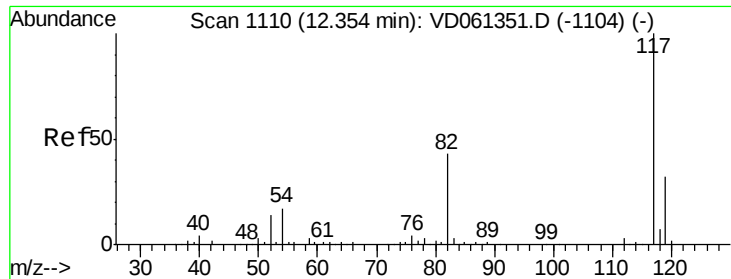
10000

5000

0

Time--> 13.50 13.55 13.60

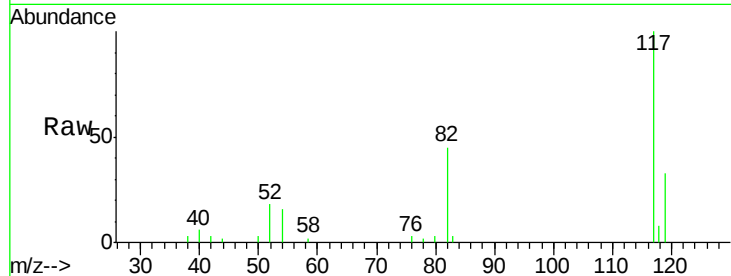




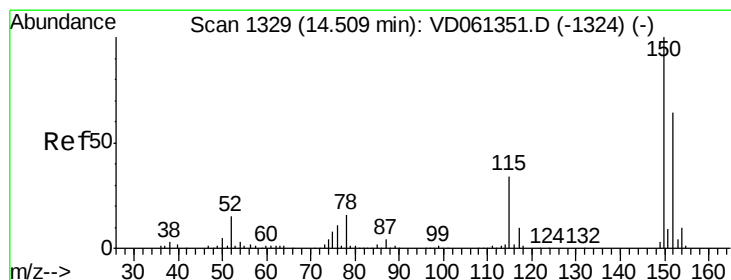
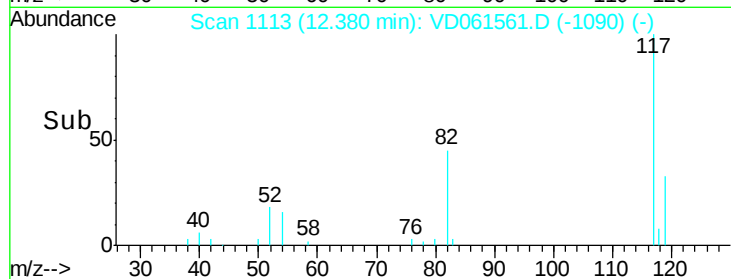
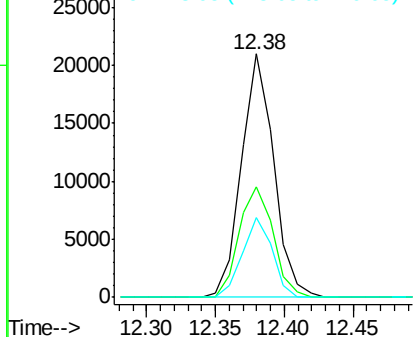
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.38 min Scan# 1113
 Delta R.T. 0.03 min
 Lab File: VD061561.D
 Acq: 3 Apr 2019 17:50

Instrument :
 MSVOA_D
 ClientSampled :
 E-6

Tot Ion:117 Resp: 34513
 Ion Ratio Lower Upper
 117 100
 82 45.1 34.4 51.6
 119 32.8 25.8 38.6

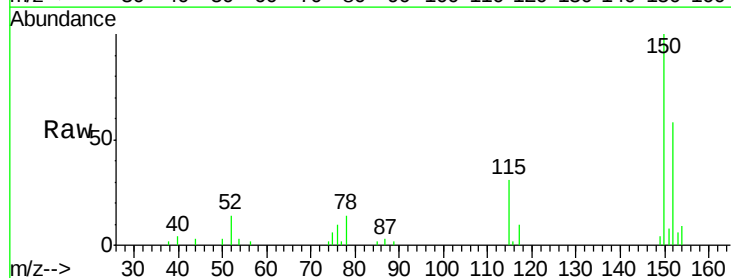


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

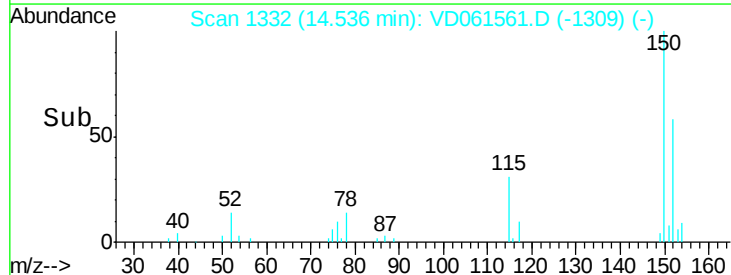
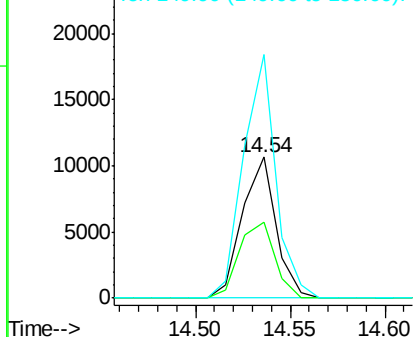


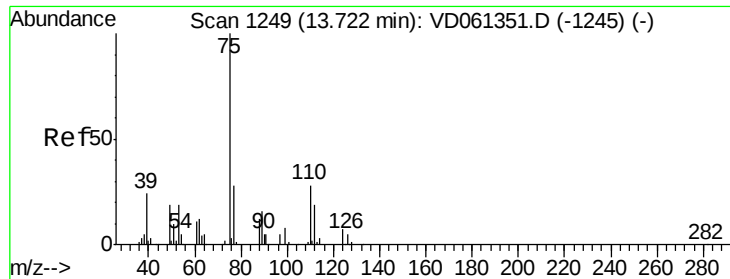
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.03 min
 Lab File: VD061561.D
 Acq: 3 Apr 2019 17:50

Tgt Ion:152 Resp: 13169
 Ion Ratio Lower Upper
 152 100
 115 56.5 26.9 80.6
 150 172.7 0.0 318.0



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

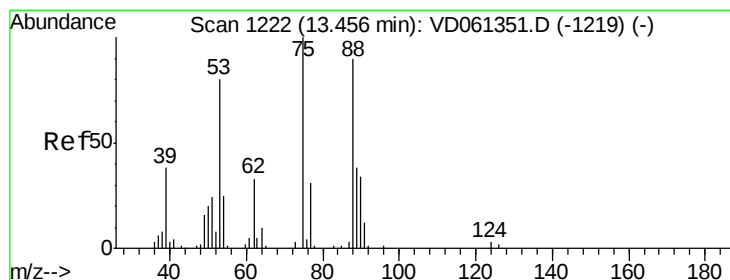
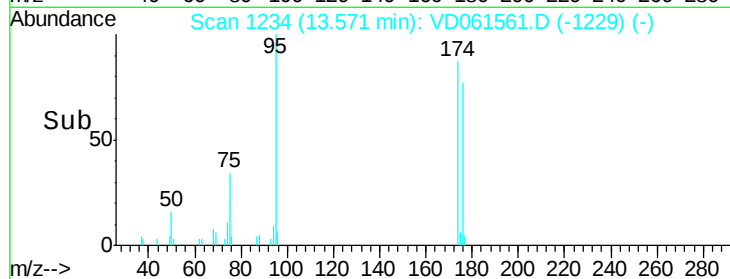
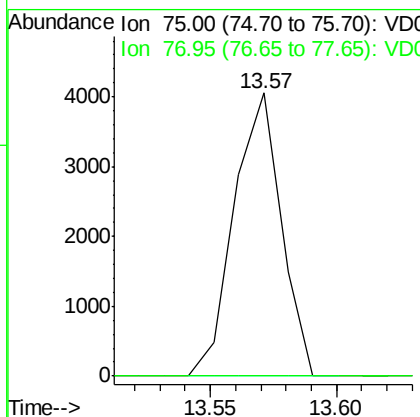
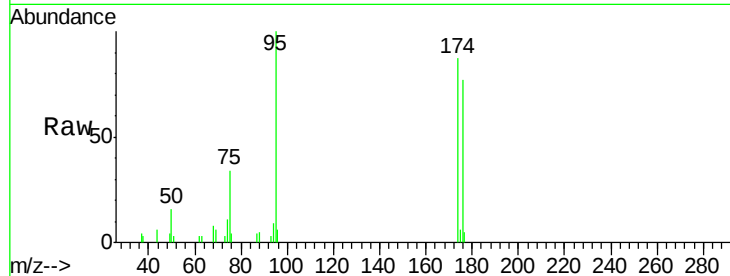




#76
 1,2,3-Trichloropropane
 Concen: 27.730 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. -0.15 min
 Lab File: VD061561.D
 Acq: 3 Apr 2019 17:50

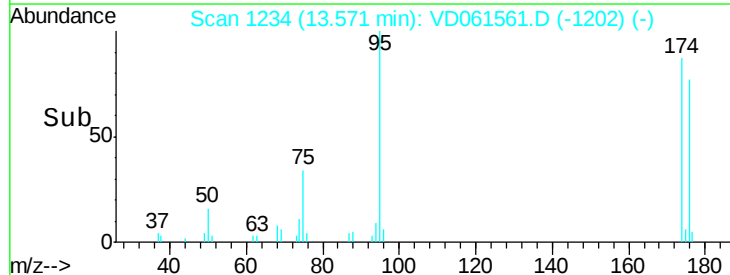
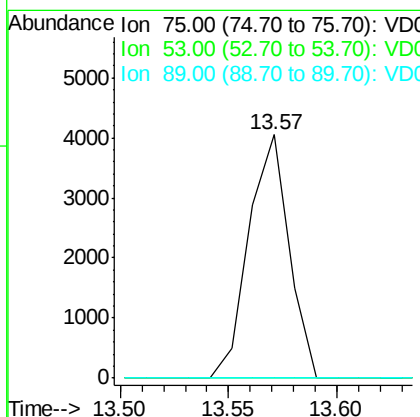
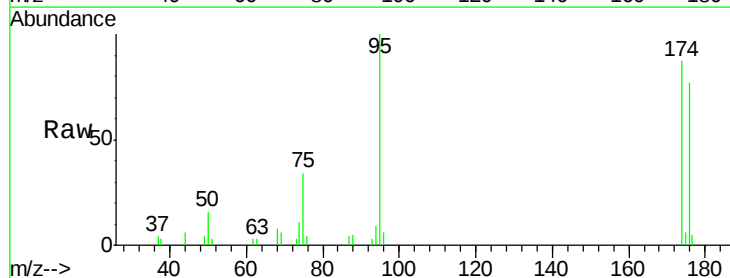
Instrument :
 MSVOA_D
 ClientSampled :
 E-6

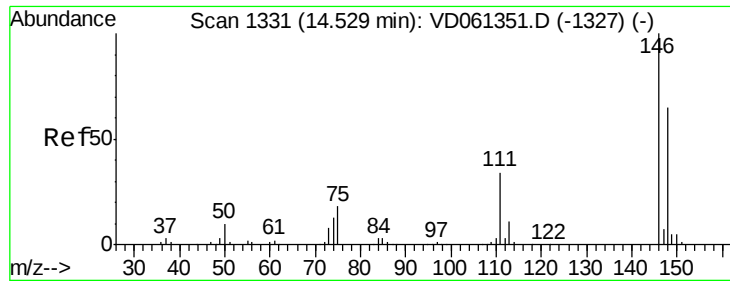
Tot Ion: 75 Resp: 5275
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.2 48.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.947 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.11 min
 Lab File: VD061561.D
 Acq: 3 Apr 2019 17:50

Tgt Ion: 75 Resp: 5275
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#





#88

1,4-Dichlorobenzene

Concen: 1.210 ug/l

RT: 14.56 min Scan# 1334

Delta R.T. 0.03 min

Lab File: VD061561.D

Acq: 3 Apr 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

E-6

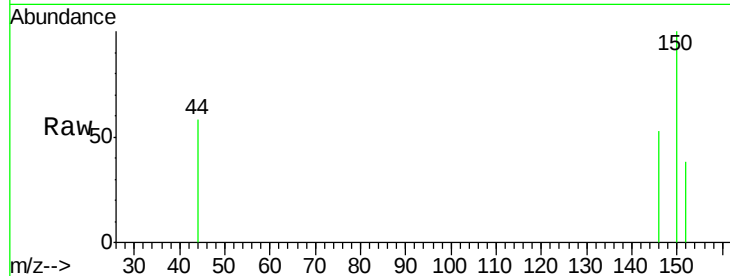
Tot Ion:146 Resp: 543

Ion Ratio Lower Upper

146 100

111 0.0 16.8 50.4#

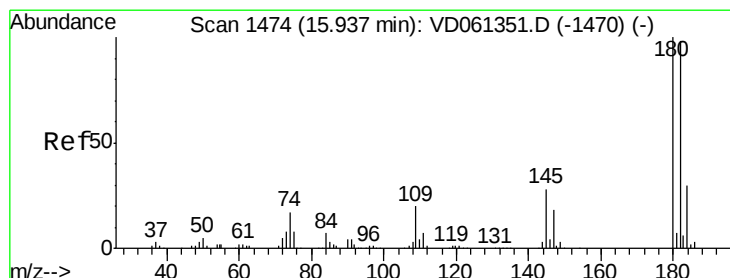
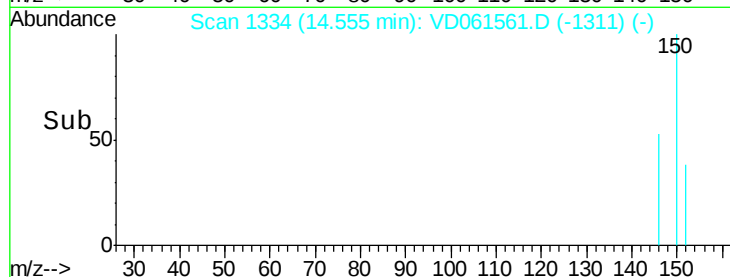
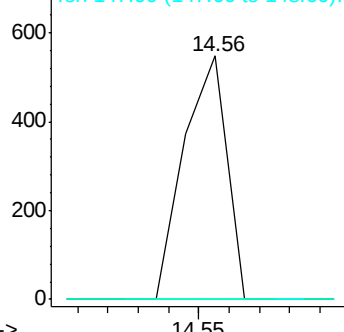
148 0.0 32.6 98.0#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 1.268 ug/l

RT: 15.96 min Scan# 1477

Delta R.T. 0.03 min

Lab File: VD061561.D

Acq: 3 Apr 2019 17:50

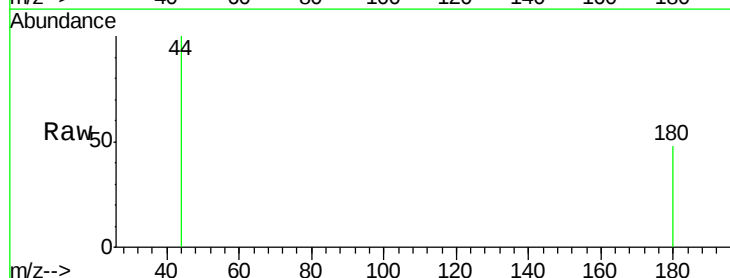
Tgt Ion:180 Resp: 218

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.8#

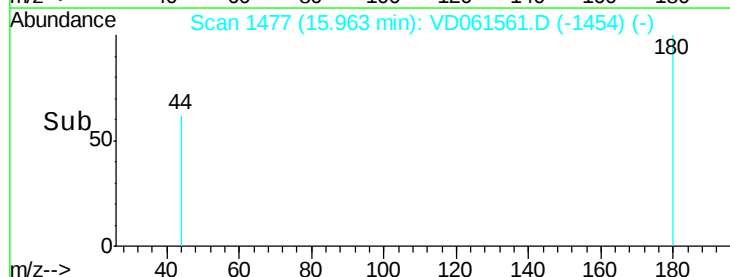
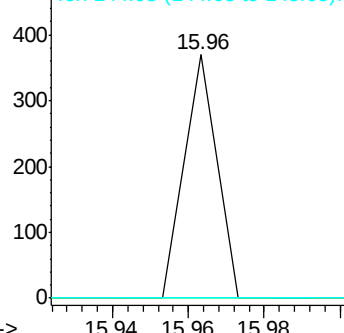
145 0.0 14.1 42.3#

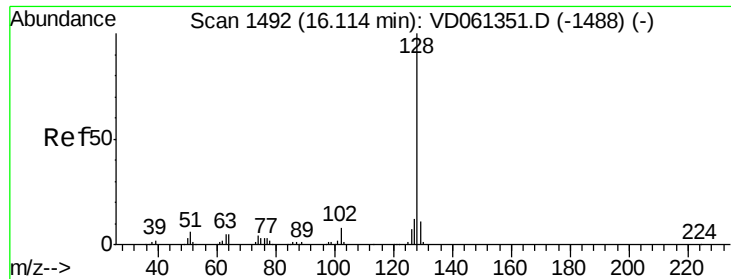


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 2.396 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. 0.03 min

Lab File: VD061561.D

Acq: 3 Apr 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

E-6

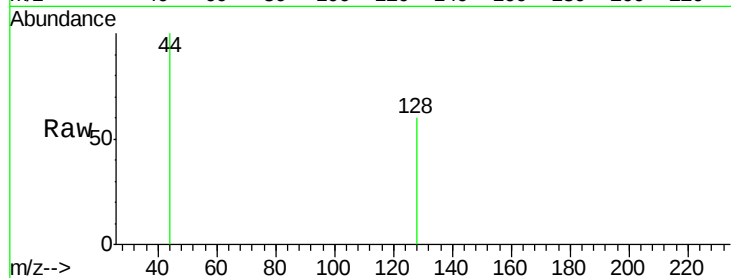
Tot Ion:128 Resp: 628

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

129 0.0 8.9 13.3#



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

