

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061600.D
 Acq On : 5 Apr 2019 2:28
 Operator : VA/AP
 Sample : VD0404SBL02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 06:43:10 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	7.02	168	480204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	850169	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	711176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	273416	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	241704	58.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.84%	
35) Dibromofluoromethane	6.90	113	374248	57.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.20%	
50) Toluene-d8	10.39	98	833063	53.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.92%	
62) 4-Bromofluorobenzene	13.54	95	341641	57.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	1504	1.975	ug/l #	10
10) Methyl Iodide	3.31	142	1135	3.582	ug/l #	84
16) Acetone	3.19	43	1641	1.556	ug/l #	48
20) Methylene Chloride	3.79	84	47422	6.352	ug/l	94
31) Cyclohexane	7.02	56	7967	1.128	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	33952	4.576	ug/l #	46
38) Carbon Tetrachloride	7.02	117	46249	5.424	ug/l #	14
43) Isopropyl Acetate	9.52	43	5151	1.116	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.54	75	126543	105.083	ug/l #	18
95) Naphthalene	16.11	128	6620	1.217	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	1809	1.152	ug/l	80

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061600.D

Acq: 5 Apr 2019 2:28

Instrument :

MSVOA_D

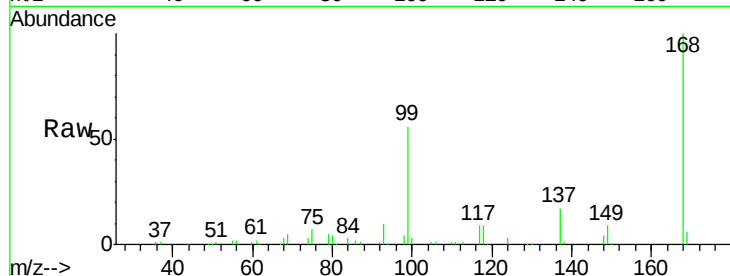
ClientSampled :

Tot Ion:168 Resp: 480204

Ion Ratio Lower Upper

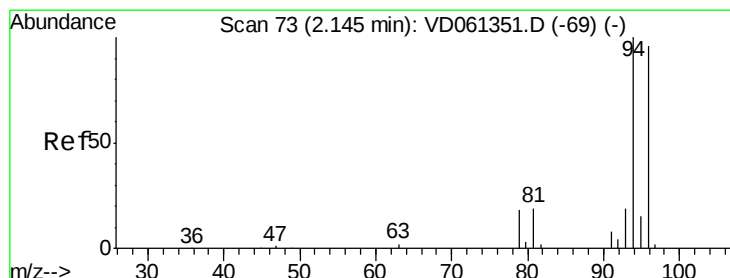
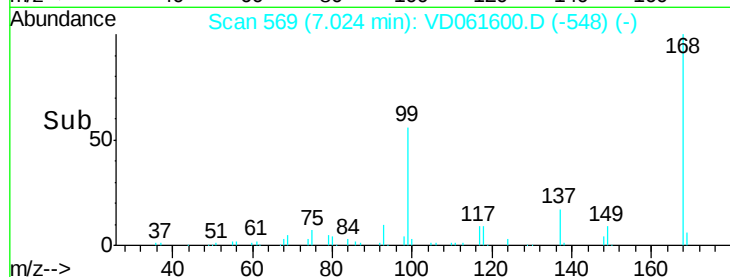
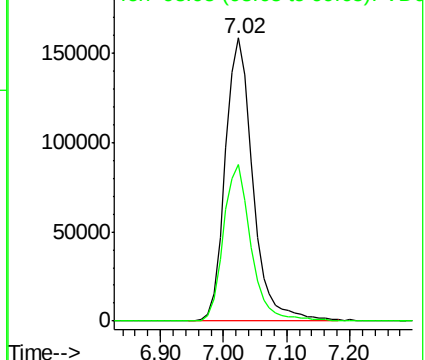
168 100

99 55.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.975 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD061600.D

Acq: 5 Apr 2019 2:28

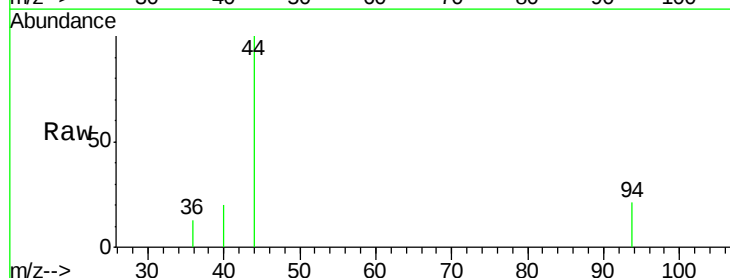
Tgt Ion: 94 Resp: 1504

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

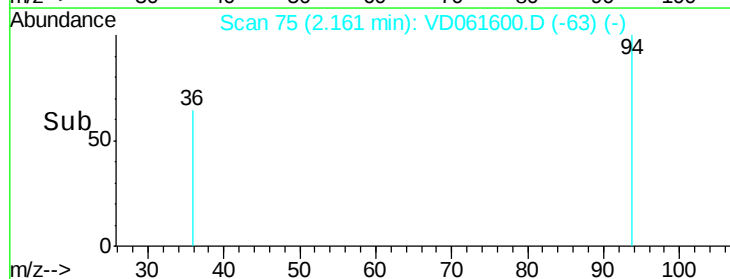
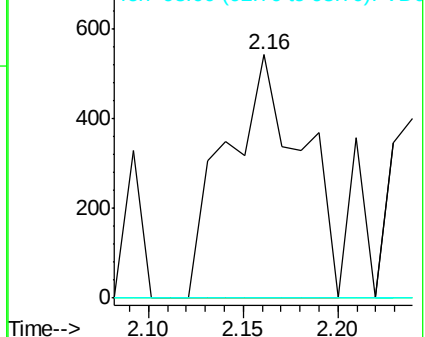
93 0.0 15.6 23.4#

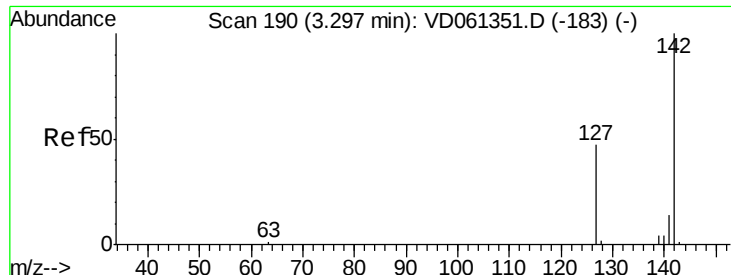


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

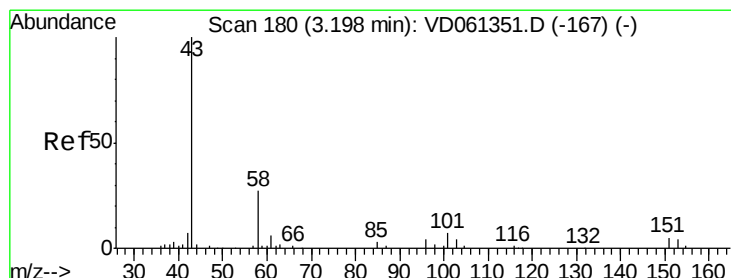
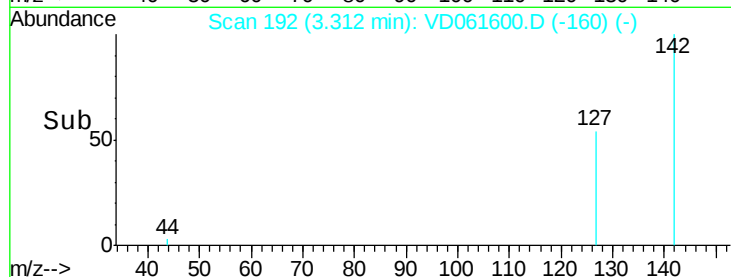
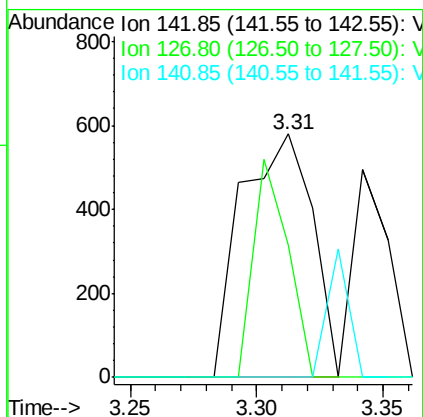
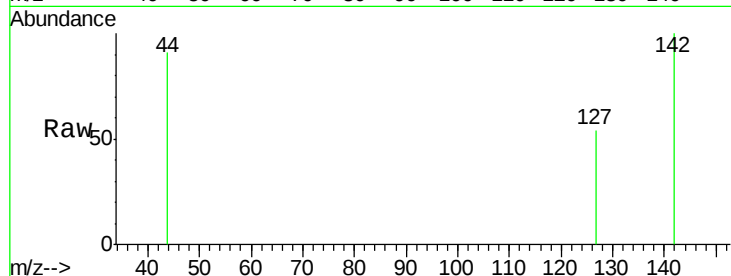




#10
Methvl Iodide
Concen: 3.582 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.02 min
Lab File: VD061600.D
Acq: 5 Apr 2019 2:28

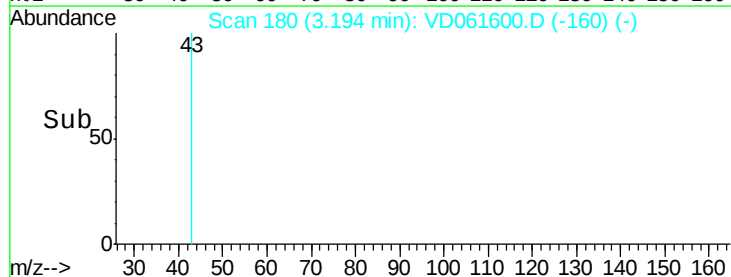
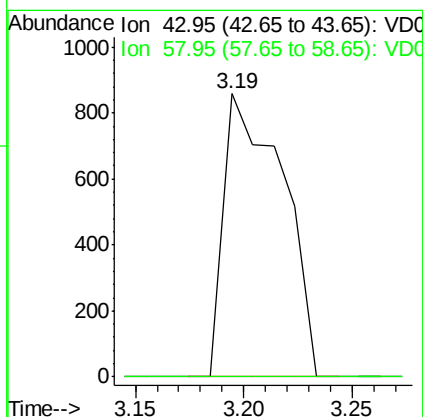
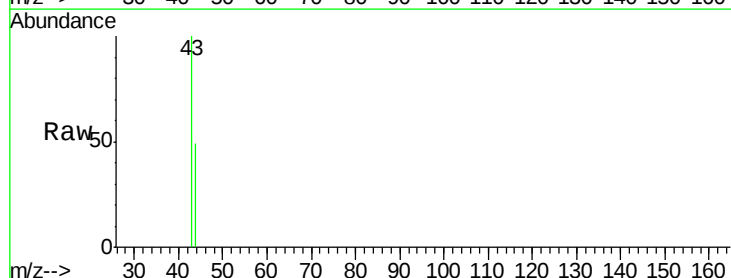
Instrument :
MSVOA_D
ClientSampleId :

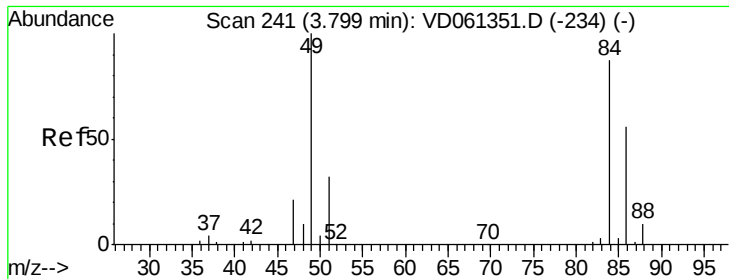
Tot Ion:142 Resp: 1135
Ion Ratio Lower Upper
142 100
127 54.1 37.7 56.5
141 0.0 11.5 17.3#



#16
Acetone
Concen: 1.556 ug/l
RT: 3.19 min Scan# 180
Delta R.T. -0.00 min
Lab File: VD061600.D
Acq: 5 Apr 2019 2:28

Tgt Ion: 43 Resp: 1641
Ion Ratio Lower Upper
43 100
58 0.0 21.5 32.3#

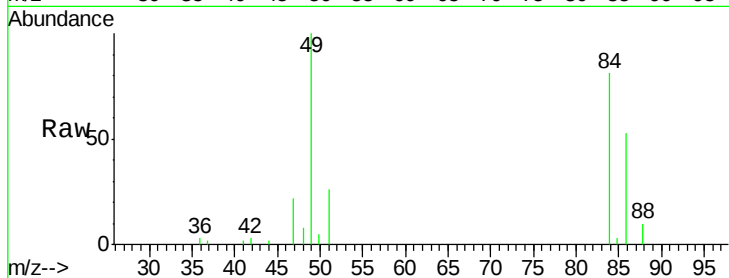




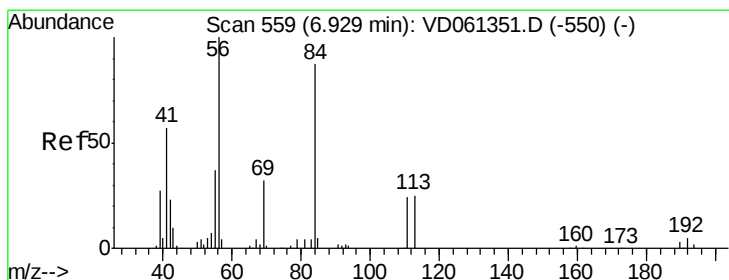
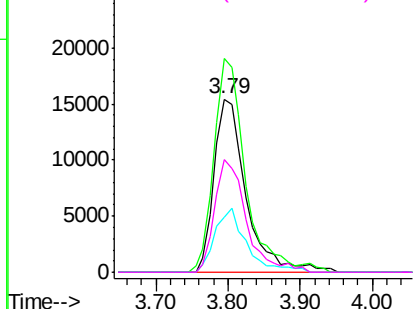
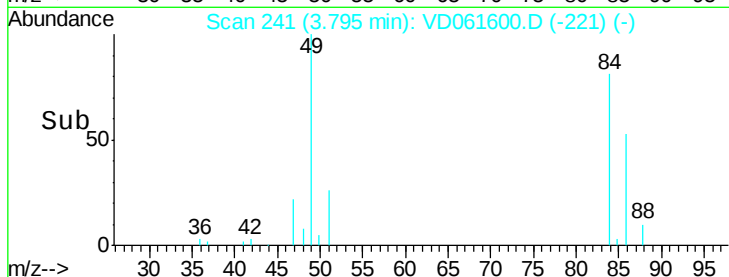
#20
Methylene Chloride
Concen: 6.352 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD061600.D
Acq: 5 Apr 2019 2:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 47422
Ion Ratio Lower Upper
84 100
49 123.4 91.8 137.8
51 32.2 29.8 44.8
86 65.3 51.8 77.6

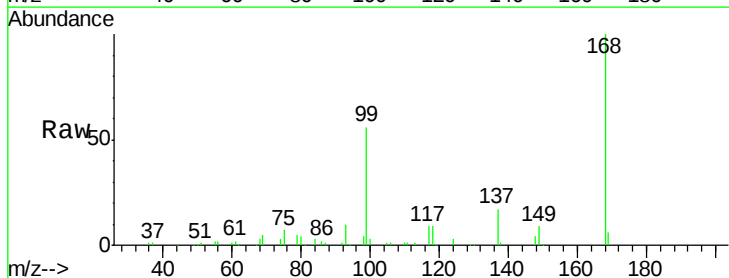


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

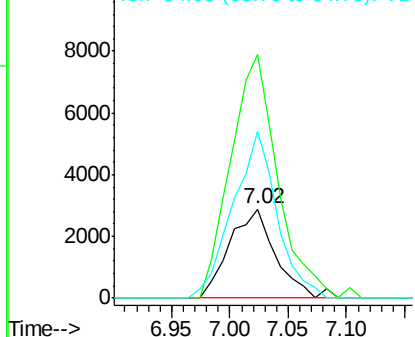
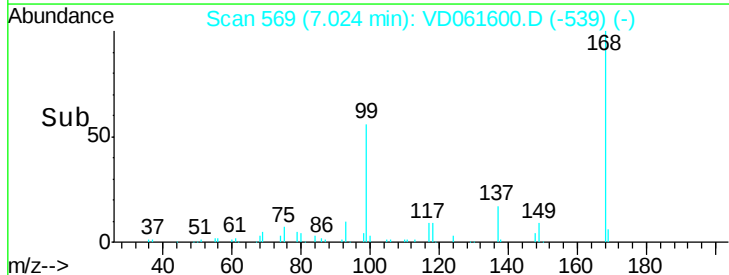


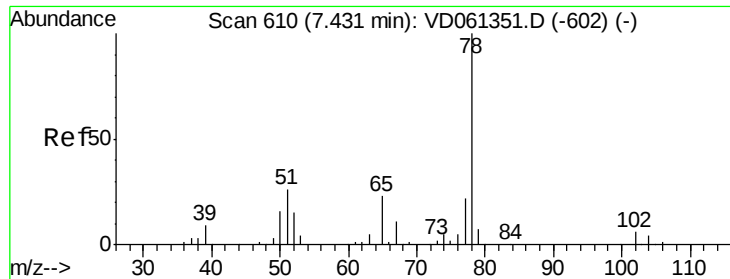
#31
Cyclohexane
Concen: 1.128 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD061600.D
Acq: 5 Apr 2019 2:28

Tgt Ion: 56 Resp: 7967
Ion Ratio Lower Upper
56 100
69 273.8 25.7 38.5#
84 187.7 70.6 105.8#



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

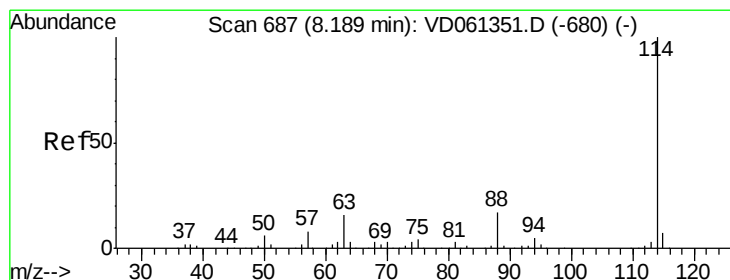
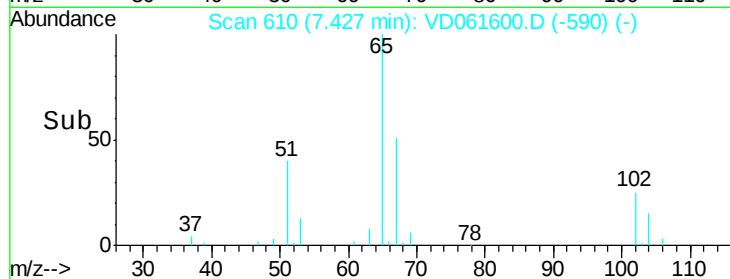
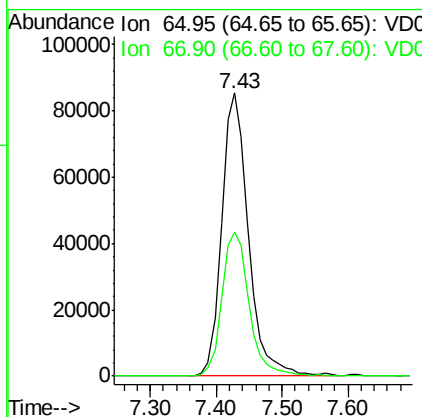
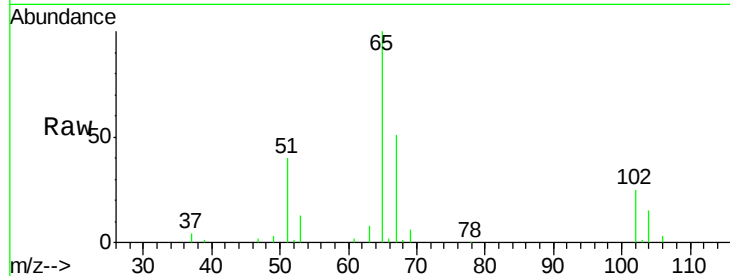




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VD061600.D
 Acq: 5 Apr 2019 2:28

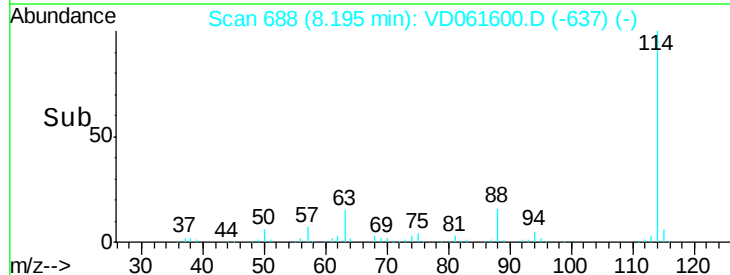
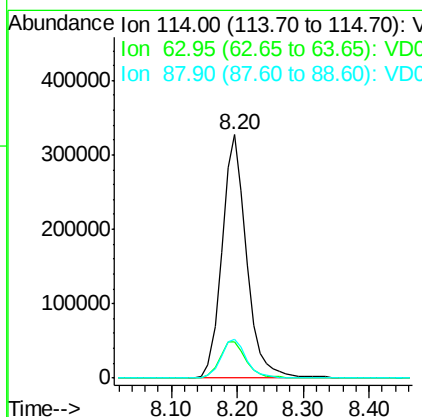
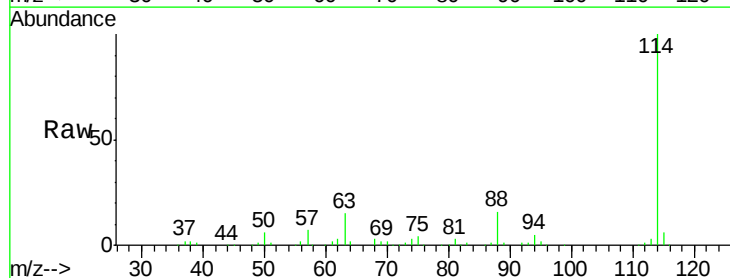
Instrument :
 MSVOA_D
 ClientSampleId :

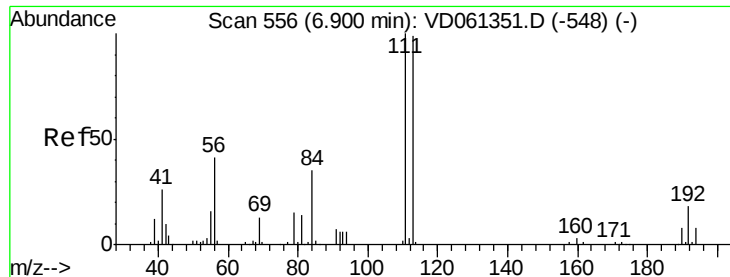
Tot Ion: 65 Resp: 241704
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD061600.D
 Acq: 5 Apr 2019 2:28

Tgt Ion:114 Resp: 850169
 Ion Ratio Lower Upper
 114 100
 63 15.0 0.0 31.6
 88 15.9 0.0 33.4

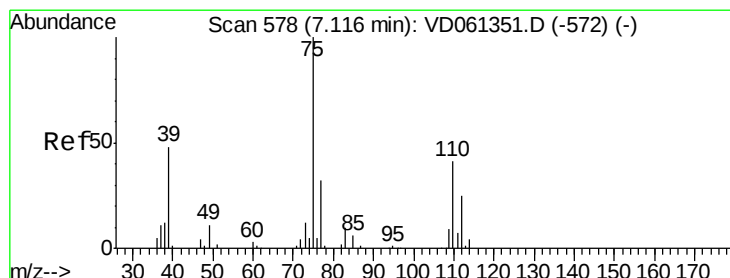
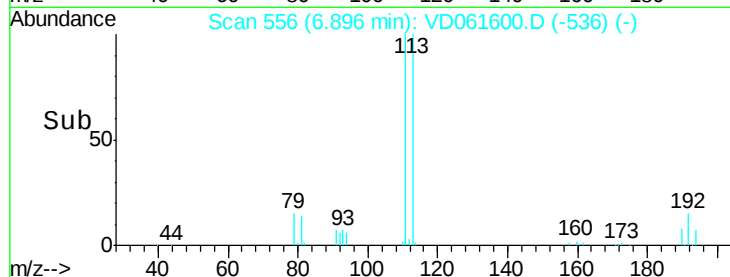
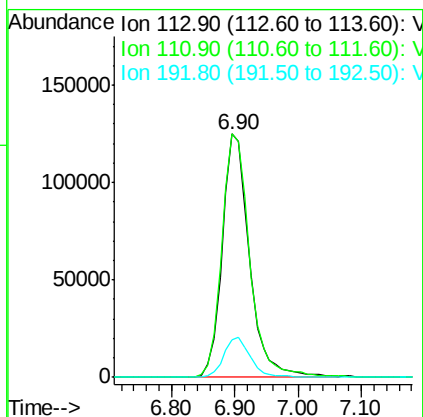
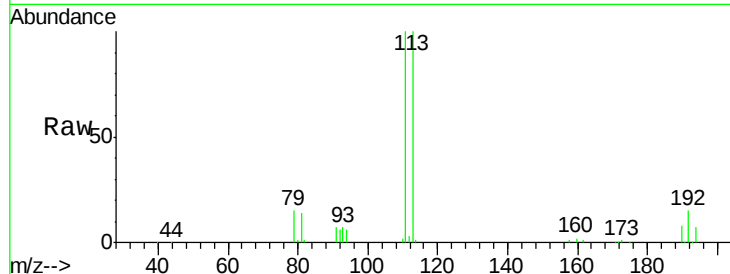




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: VD061600.D
 Acq: 5 Apr 2019 2:28

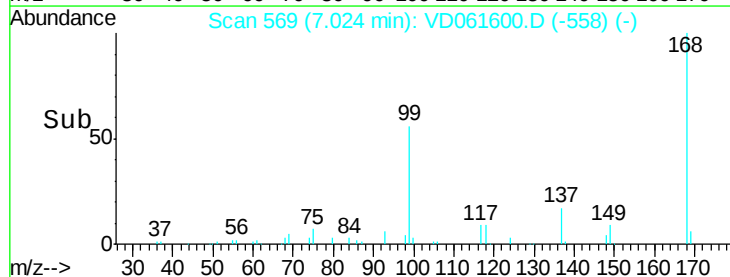
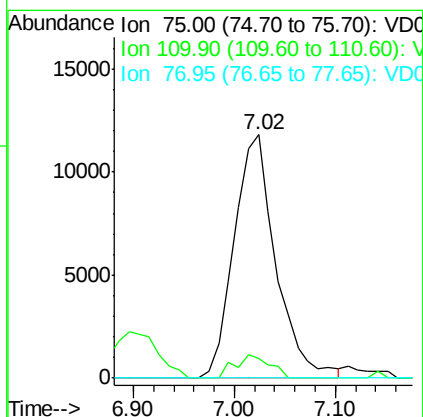
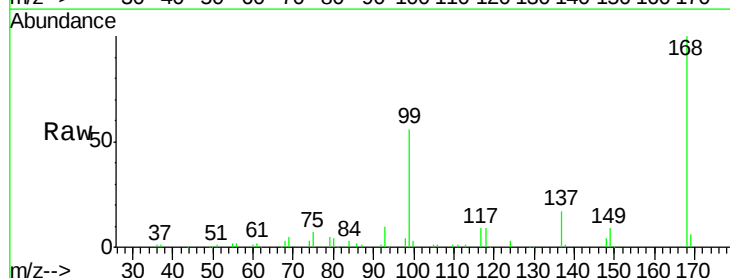
Instrument :
 MSVOA_D
 ClientSampleId :

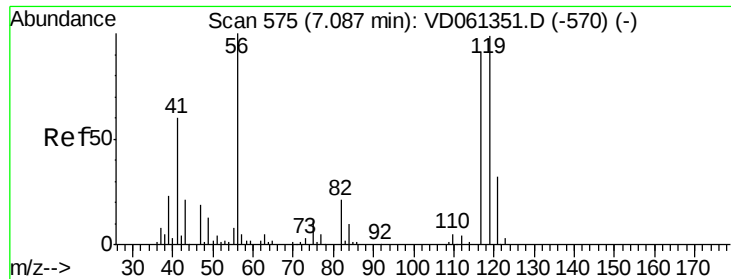
Tot Ion:113 Resp: 374248
 Ion Ratio Lower Upper
 113 100
 111 99.9 81.0 121.6
 192 15.4 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.576 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.09 min
 Lab File: VD061600.D
 Acq: 5 Apr 2019 2:28

Tgt Ion: 75 Resp: 33952
 Ion Ratio Lower Upper
 75 100
 110 8.1 20.4 61.3#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.424 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD061600.D

Acq: 5 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampled :

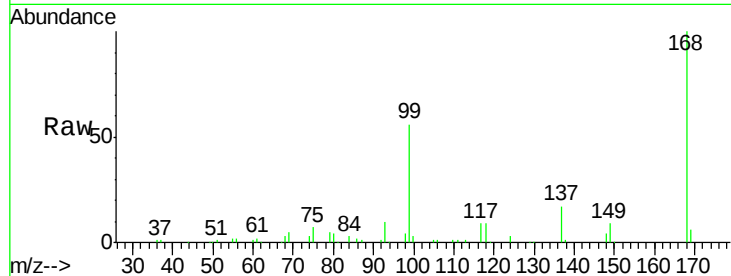
Tot Ion:117 Resp: 46249

Ion Ratio Lower Upper

117 100

119 4.8 80.1 120.1#

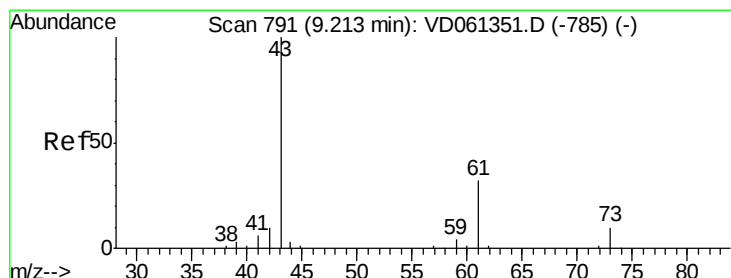
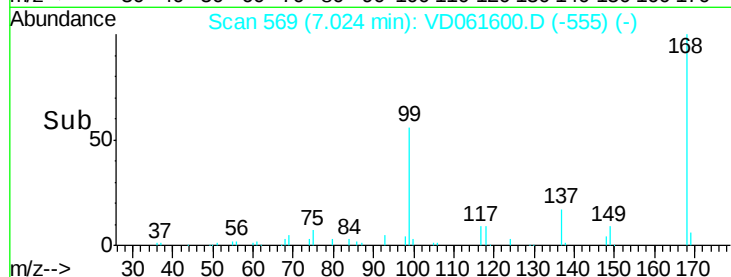
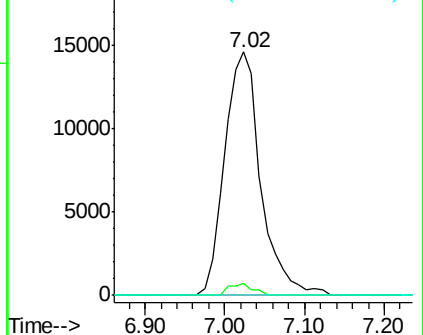
121 0.0 25.6 38.4#



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



#43

Isopropyl Acetate

Concen: 1.116 ug/l

RT: 9.52 min Scan# 823

Delta R.T. 0.31 min

Lab File: VD061600.D

Acq: 5 Apr 2019 2:28

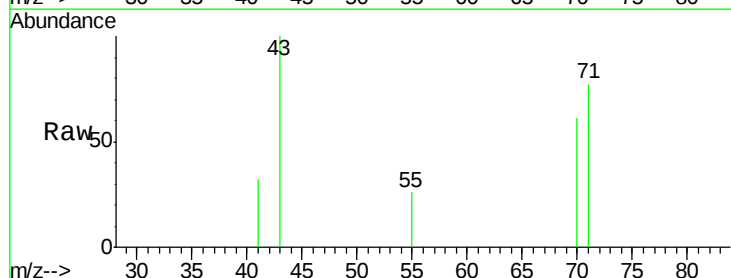
Tgt Ion: 43 Resp: 5151

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

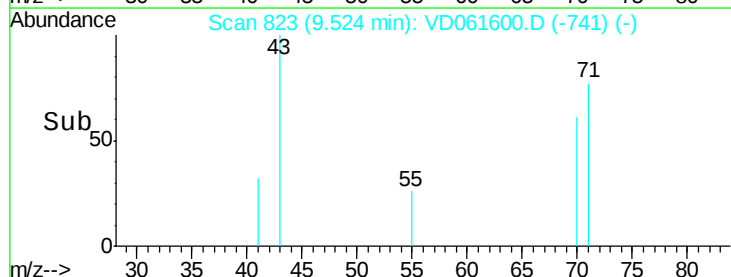
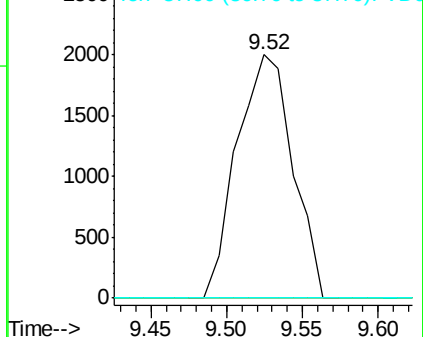
87 0.0 0.0 0.0

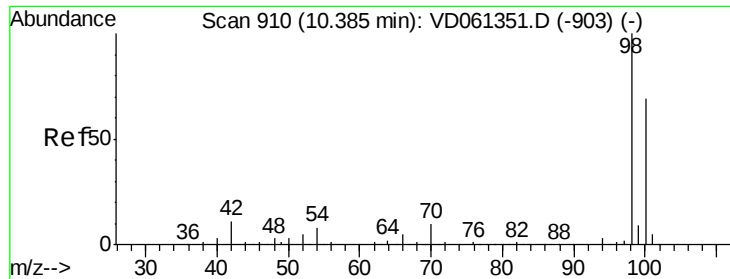


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 10.39 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD061600.D

Acq: 5 Apr 2019 2:28

Instrument :

MSVOA_D

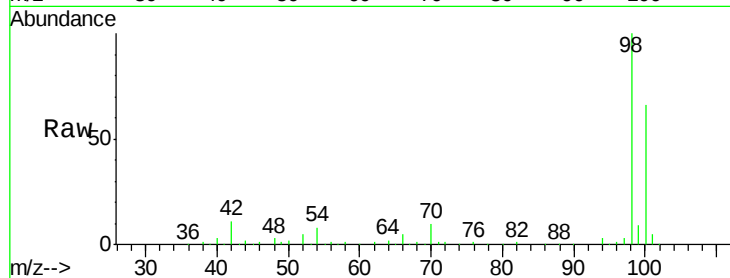
ClientSampleId :

Tot Ion: 98 Resp: 833063

Ion Ratio Lower Upper

98 100

100 66.2 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) (-)

10.39

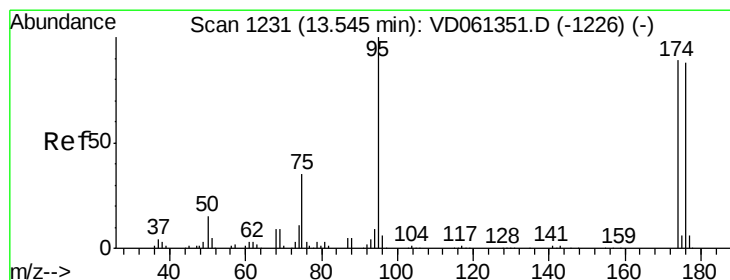
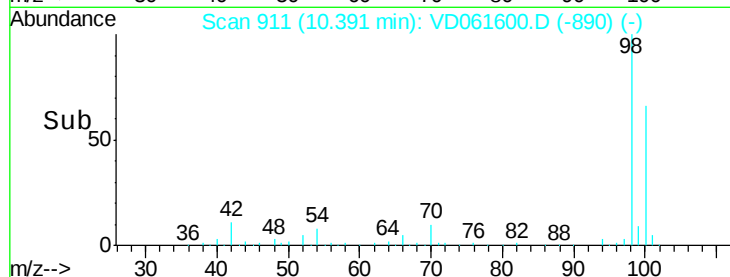
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD061600.D

Acq: 5 Apr 2019 2:28

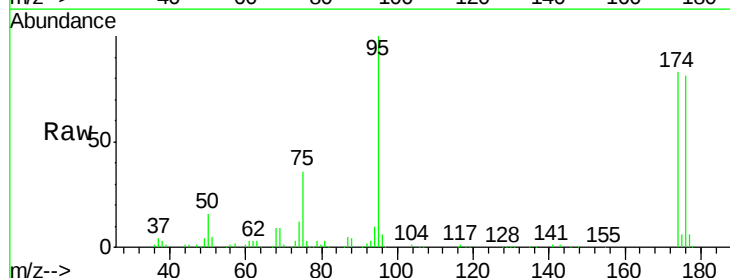
Tgt Ion: 95 Resp: 341641

Ion Ratio Lower Upper

95 100

174 82.5 0.0 178.0

176 81.4 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) (-)

13.54

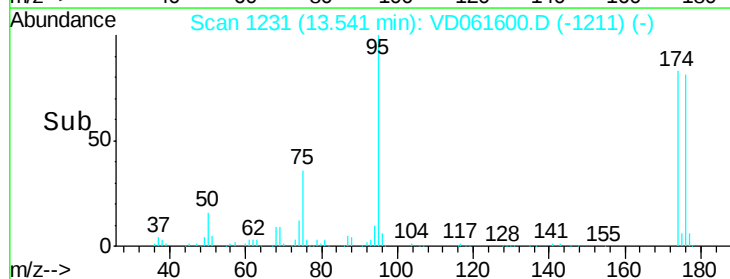
300000

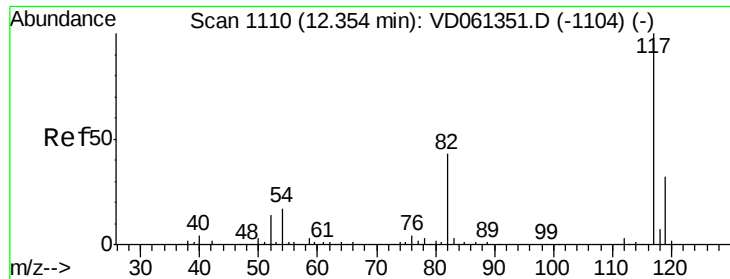
200000

100000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.35 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD061600.D

Acq: 5 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

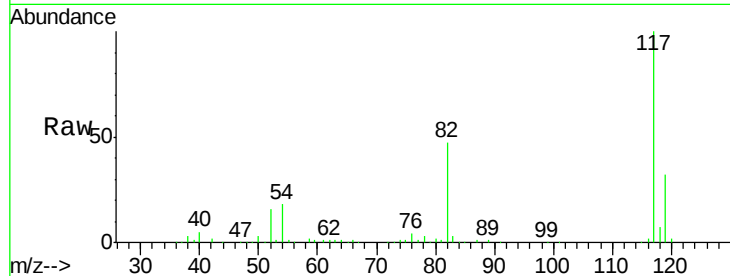
Tot Ion:117 Resp: 711176

Ion Ratio Lower Upper

117 100

82 47.1 34.4 51.6

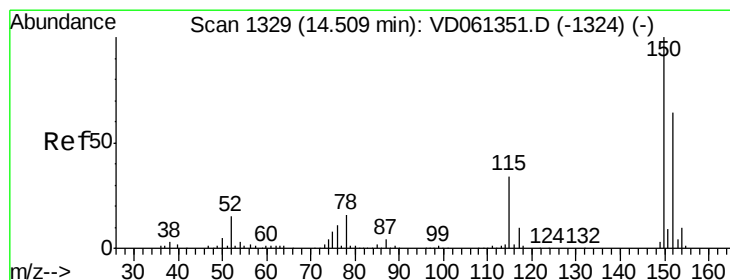
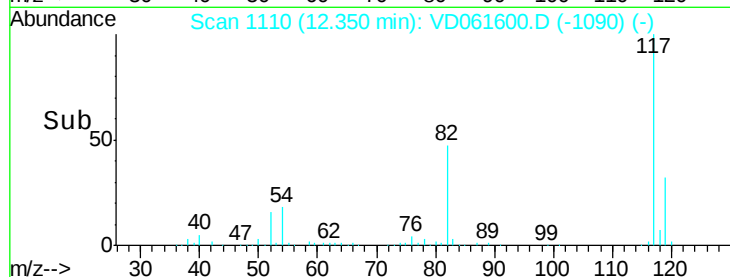
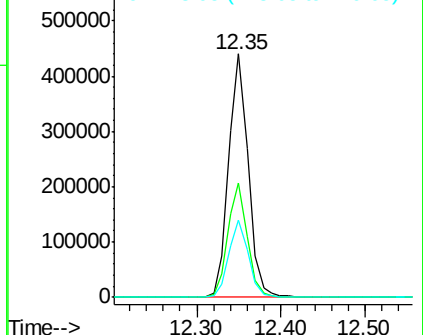
119 31.8 25.8 38.6



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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD061600.D

Acq: 5 Apr 2019 2:28

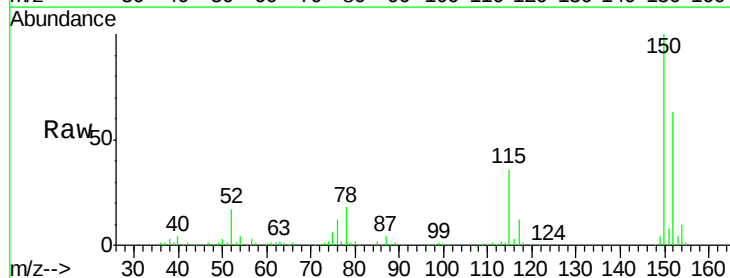
Tgt Ion:152 Resp: 273416

Ion Ratio Lower Upper

152 100

115 57.1 26.9 80.6

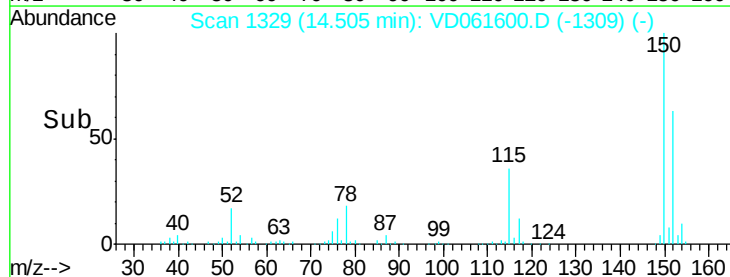
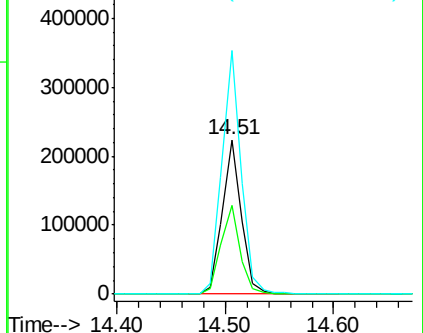
150 157.8 0.0 318.0

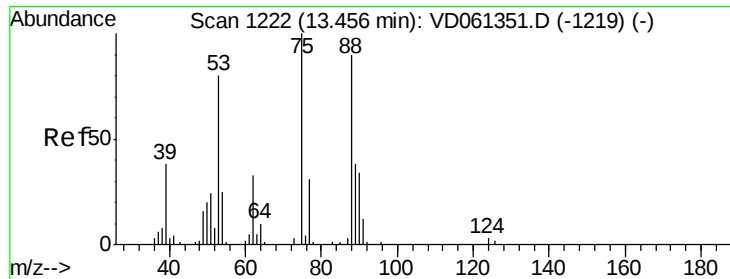


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 105.083 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD061600.D

Acq: 5 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :

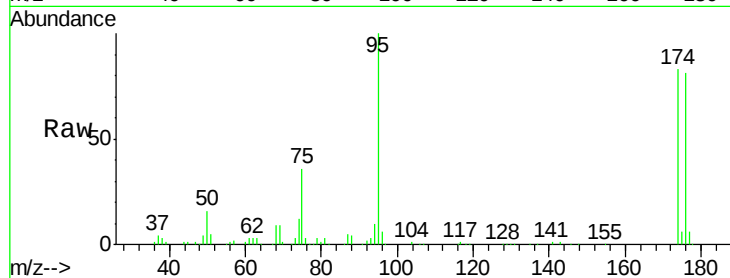
Tot Ion: 75 Resp: 126543

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

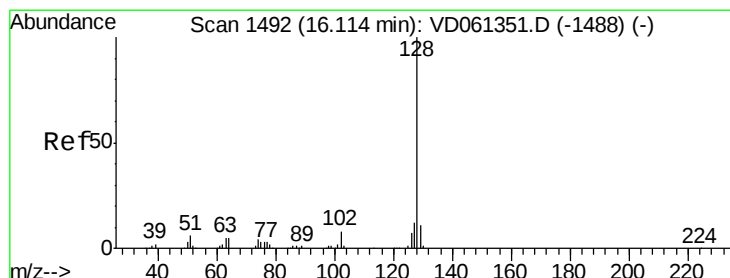
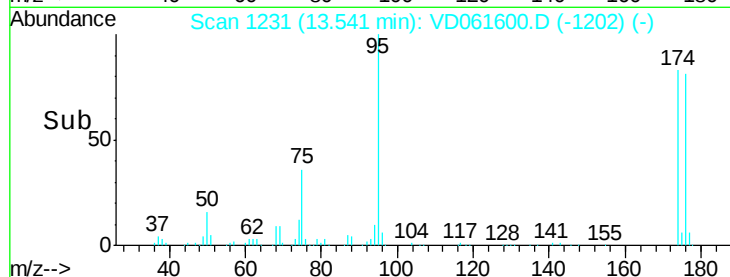
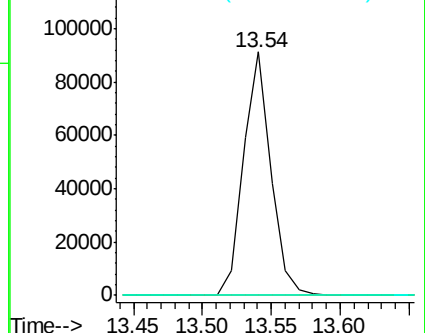
89 0.0 30.5 45.7#



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



#95

Naphthalene

Concen: 1.217 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VD061600.D

Acq: 5 Apr 2019 2:28

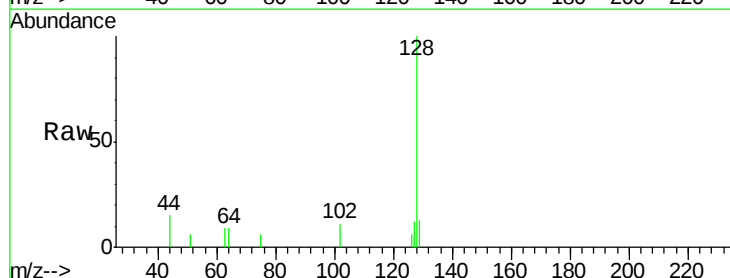
Tgt Ion:128 Resp: 6620

Ion Ratio Lower Upper

128 100

127 12.1 9.9 14.9

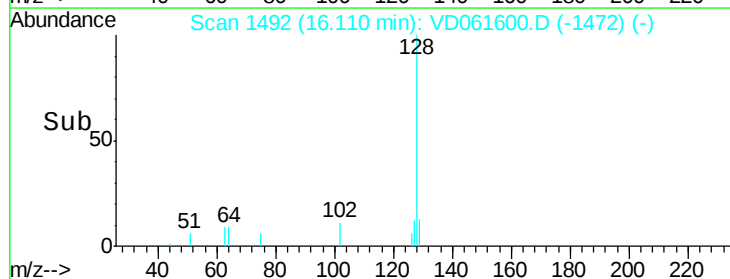
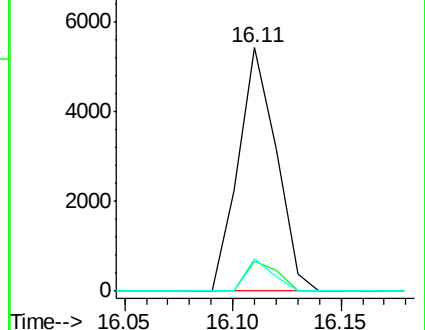
129 13.1 8.9 13.3

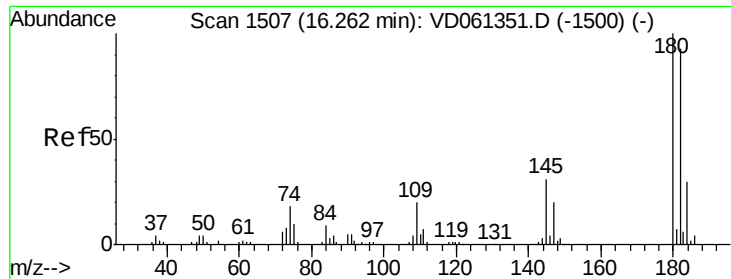


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 1.152 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.00 min

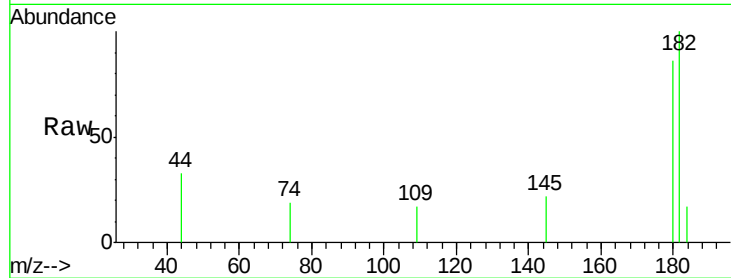
Lab File: VD061600.D

Acq: 5 Apr 2019 2:28

Instrument :

MSVOA_D

ClientSampleId :



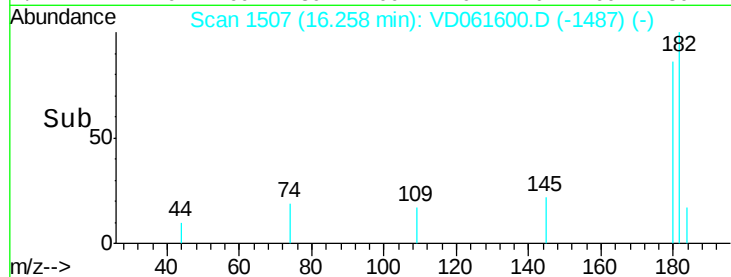
Tot Ion:180 Resp: 1809

Ion Ratio Lower Upper

180 100

182 115.9 46.4 139.1

145 25.8 15.3 45.9



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

