

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061556.D
 Acq On : 3 Apr 2019 15:17
 Operator : VA/AP
 Sample : VD0403SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 01:45:25 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	639720	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1025345	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	841664	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	384158	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	281447	51.50	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.00%	
35) Dibromofluoromethane	6.93	113	429580	54.82	ug/l	0.03
Spiked Amount 50.000			Recovery	=	109.64%	
50) Toluene-d8	10.42	98	1024667	54.52	ug/l	0.03
Spiked Amount 50.000			Recovery	=	109.04%	
62) 4-Bromofluorobenzene	13.56	95	428196	59.42	ug/l	0.01
Spiked Amount 50.000			Recovery	=	118.84%	

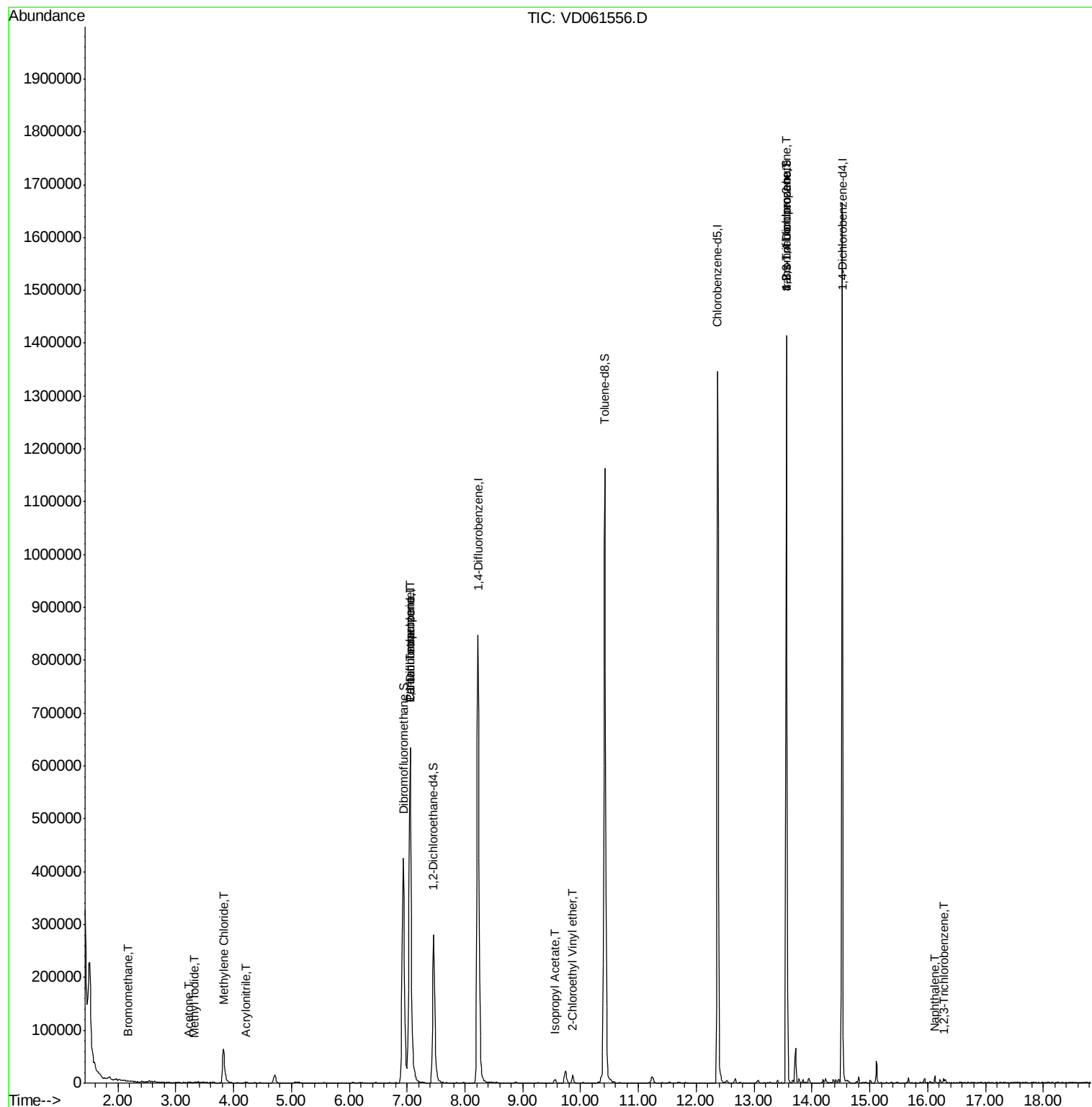
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	1170	1.153	ug/l #	64
10) Methyl Iodide	3.33	142	2123	3.629	ug/l #	62
15) Acrylonitrile	4.21	53	1494	1.265	ug/l #	78
16) Acetone	3.22	43	3127	2.226	ug/l #	48
20) Methylene Chloride	3.82	84	43128	3.702	ug/l	93
36) 1,1-Dichloropropene	7.05	75	48264	5.393	ug/l #	46
38) Carbon Tetrachloride	7.05	117	61261	5.957	ug/l #	14
43) Isopropyl Acetate	9.56	43	6137	1.102	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.86	63	7844	3.129	ug/l #	85
76) 1,2,3-Trichloropropane	13.56	75	153936	27.740	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	160790	95.031	ug/l #	18
95) Naphthalene	16.13	128	8647	1.131	ug/l	95
96) 1,2,3-Trichlorobenzene	16.28	180	2632	1.193	ug/l	87

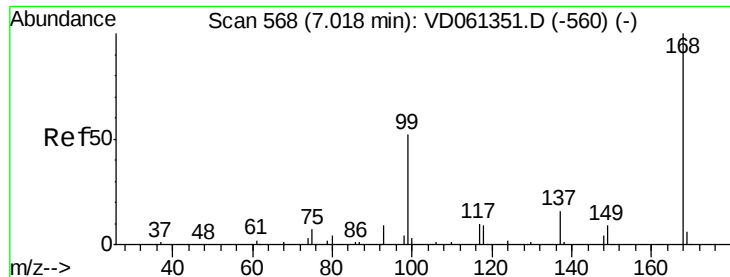
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040319\
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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. 0.03 min

Lab File: VD061556.D

Acq: 3 Apr 2019 15:17

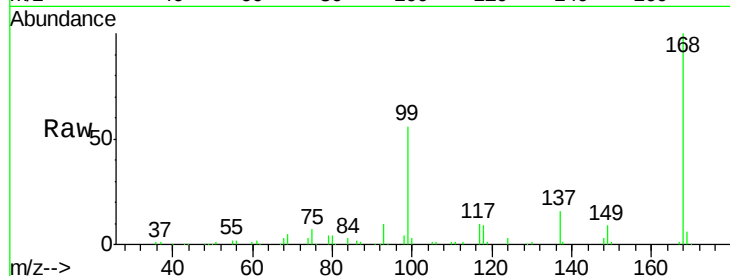
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 639720

Ion Ratio Lower Upper

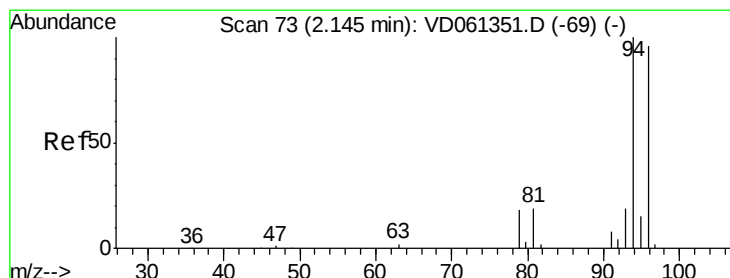
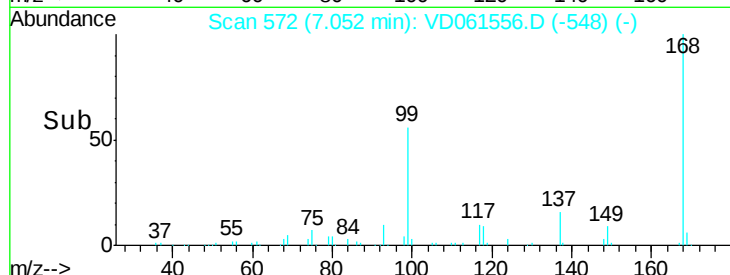
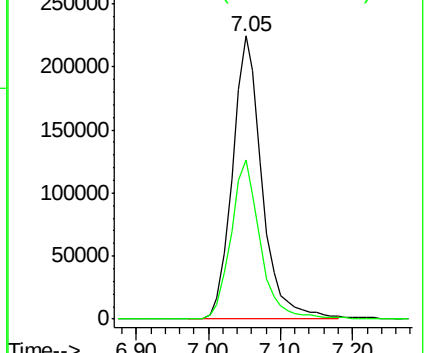
168 100

99 56.3 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: 1.153 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD061556.D

Acq: 3 Apr 2019 15:17

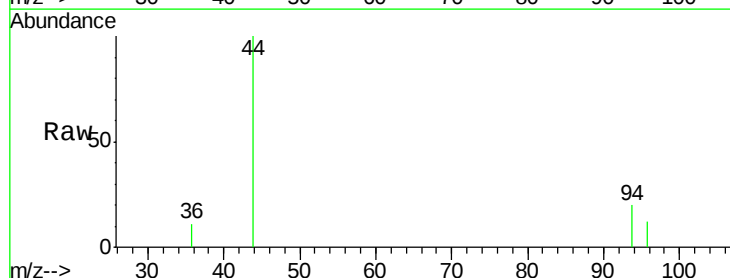
Tgt Ion: 94 Resp: 1170

Ion Ratio Lower Upper

94 100

96 63.3 78.3 117.5#

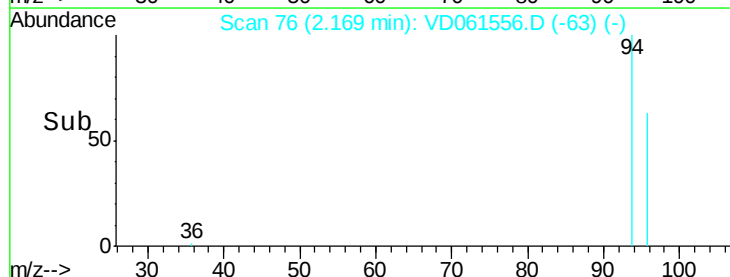
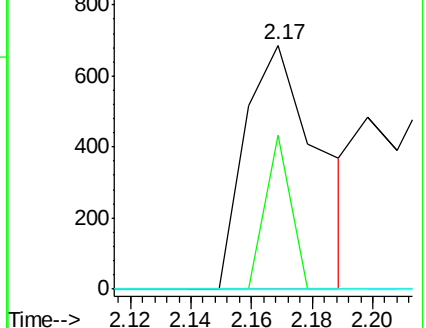
93 0.0 15.6 23.4#

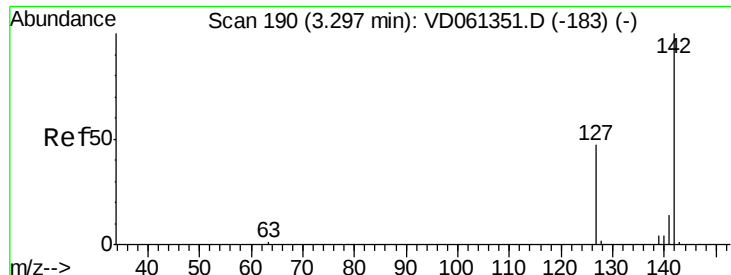


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

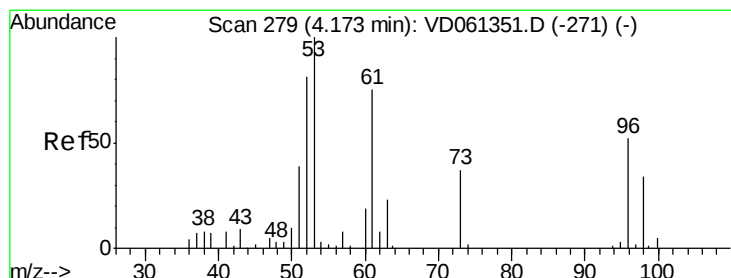
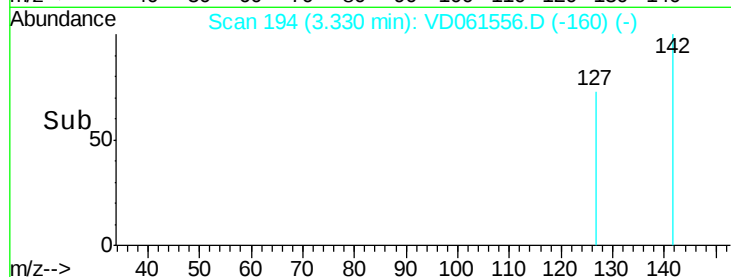
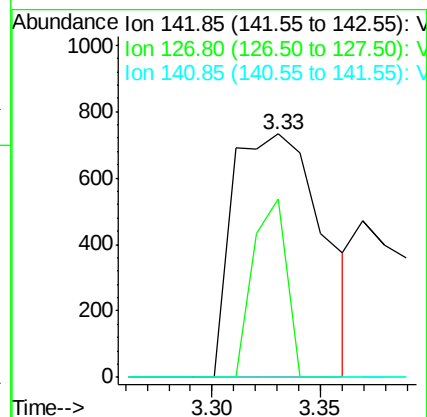
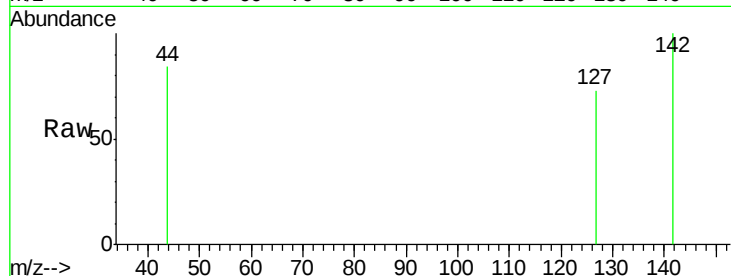




#10
Methvl Iodide
Concen: 3.629 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.03 min
Lab File: VD061556.D
Acq: 3 Apr 2019 15:17

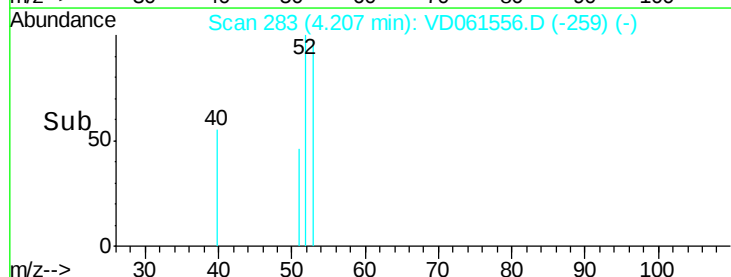
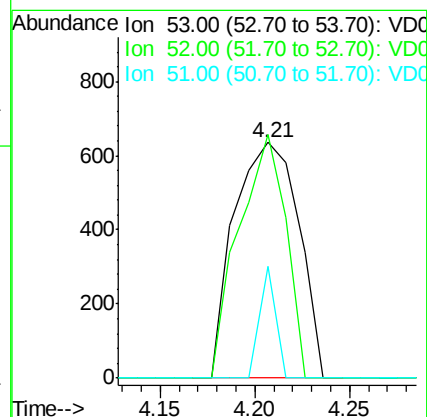
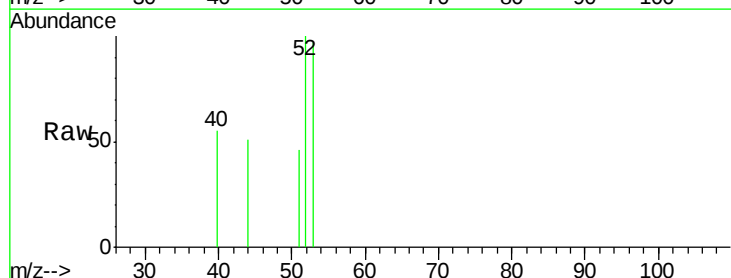
Instrument :
MSVOA_D
ClientSampled :

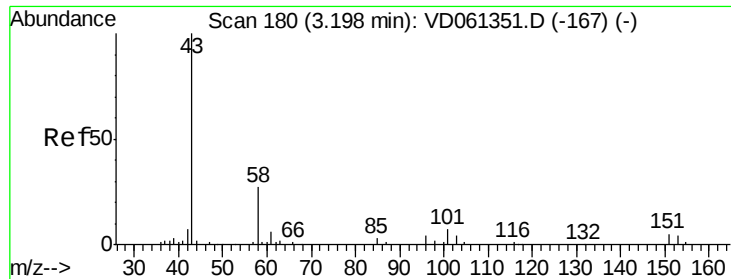
Tot Ion:142 Resp: 2123
Ion Ratio Lower Upper
142 100
127 73.4 37.7 56.5#
141 0.0 11.5 17.3#



#15
Acrylonitrile
Concen: 1.265 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.03 min
Lab File: VD061556.D
Acq: 3 Apr 2019 15:17

Tgt Ion: 53 Resp: 1494
Ion Ratio Lower Upper
53 100
52 103.5 64.8 97.2#
51 47.7 31.4 47.2#





#16

Acetone

Concen: 2.226 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061556.D

Acq: 3 Apr 2019 15:17

Instrument :

MSVOA_D

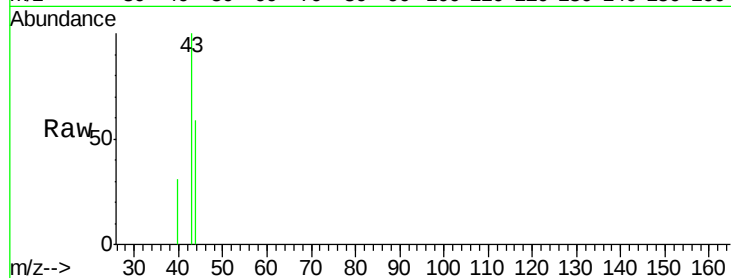
ClientSampleId :

Tot Ion: 43 Resp: 3127

Ion Ratio Lower Upper

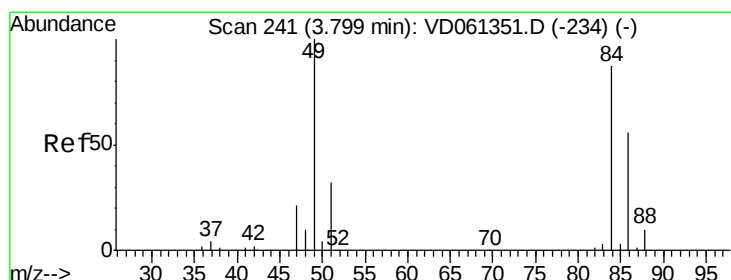
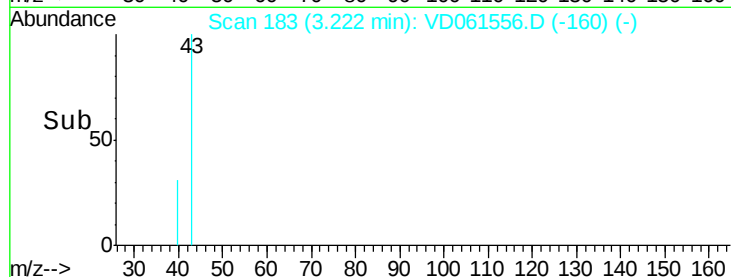
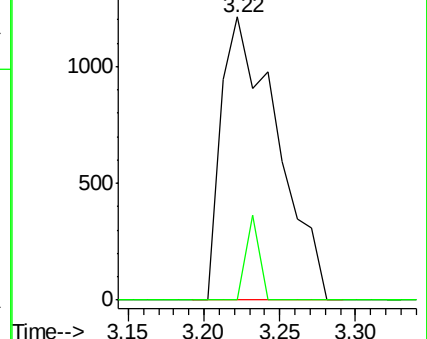
43 100

58 0.0 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.702 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061556.D

Acq: 3 Apr 2019 15:17

Tgt Ion: 84 Resp: 43128

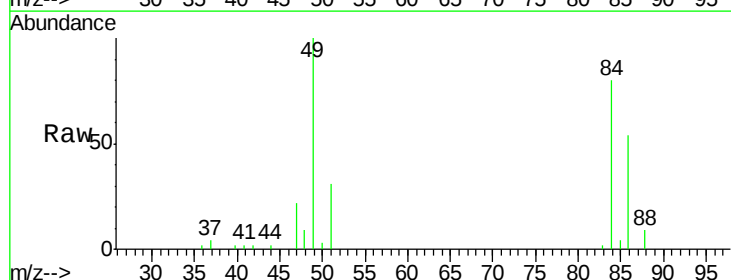
Ion Ratio Lower Upper

84 100

49 125.4 91.8 137.8

51 38.8 29.8 44.8

86 68.0 51.8 77.6

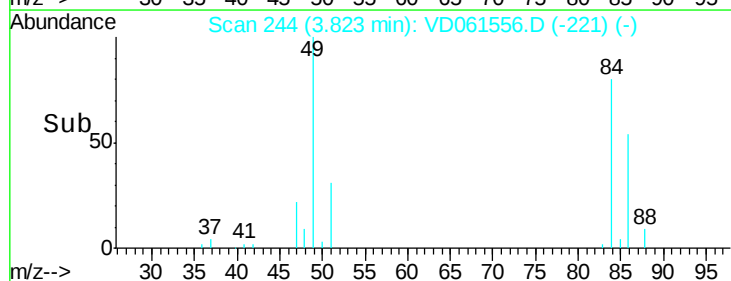
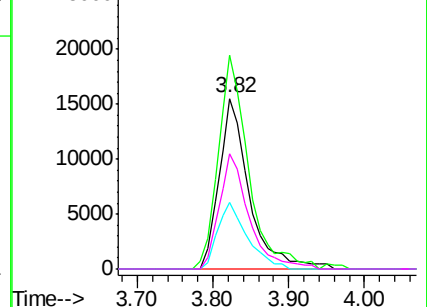


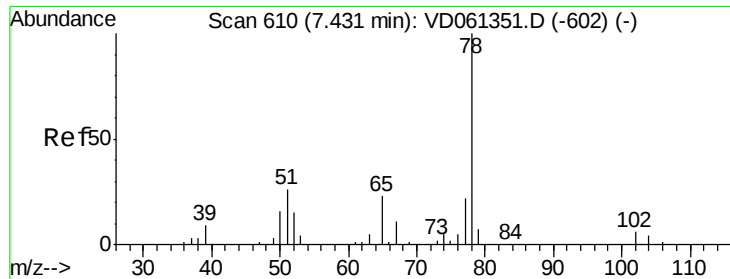
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061556.D

Acq: 3 Apr 2019 15:17

Instrument :

MSVOA_D

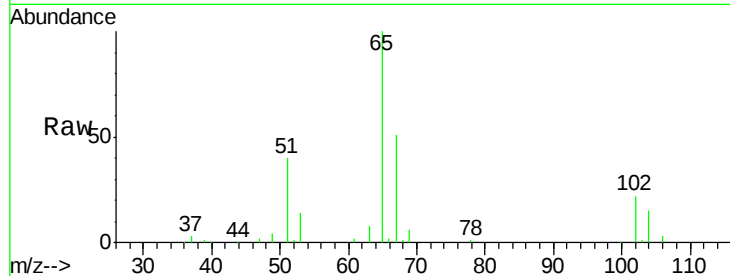
ClientSampled :

Tot Ion: 65 Resp: 281447

Ion Ratio Lower Upper

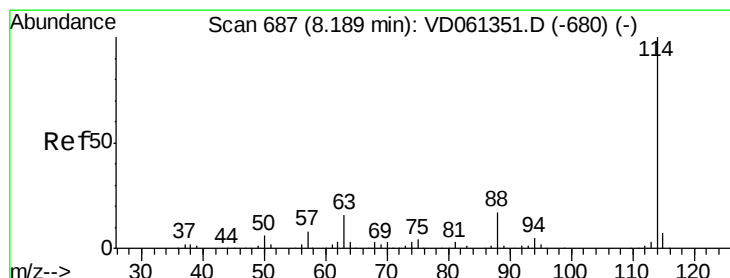
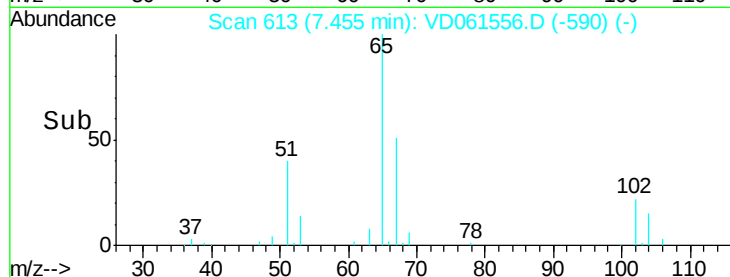
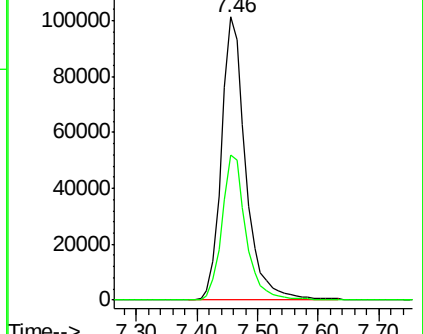
65 100

67 51.5 0.0 99.8



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: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD061556.D

Acq: 3 Apr 2019 15:17

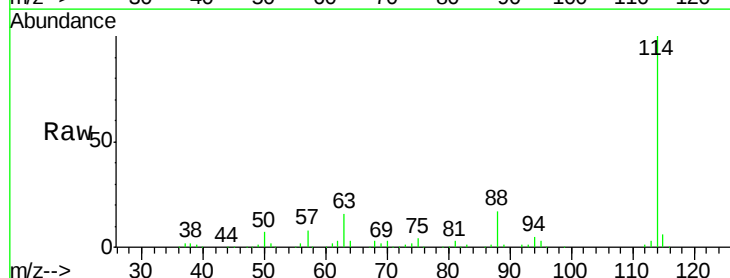
Tgt Ion:114 Resp: 1025345

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.6

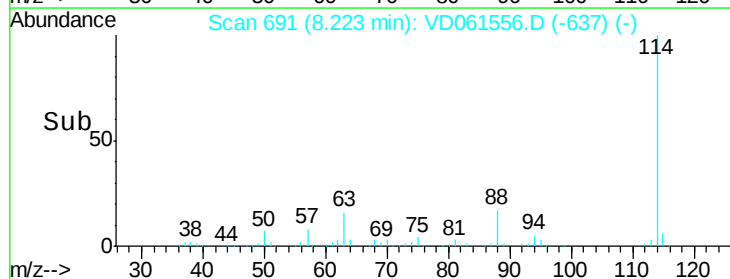
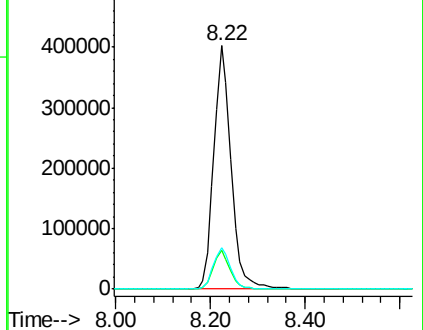
88 16.8 0.0 33.4

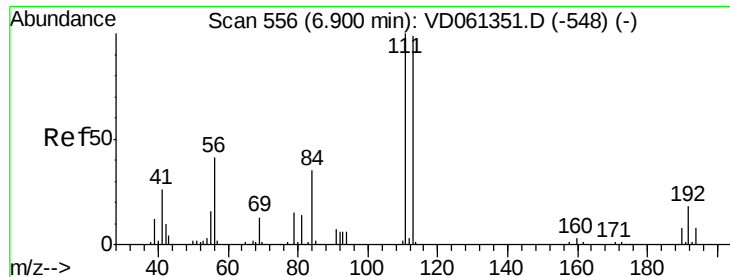


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

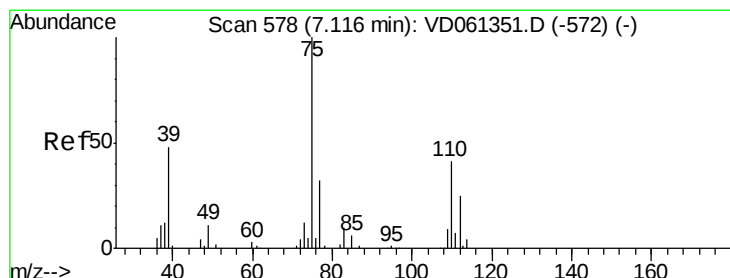
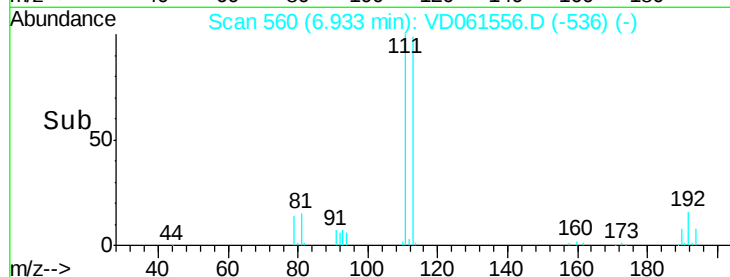
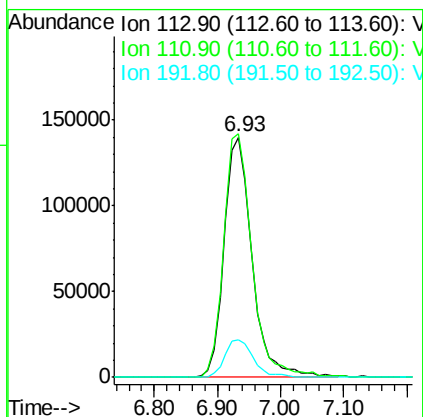
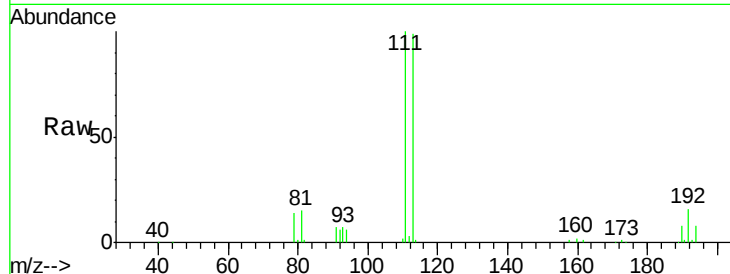




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.93 min Scan# 560
Delta R.T. 0.03 min
Lab File: VD061556.D
Acq: 3 Apr 2019 15:17

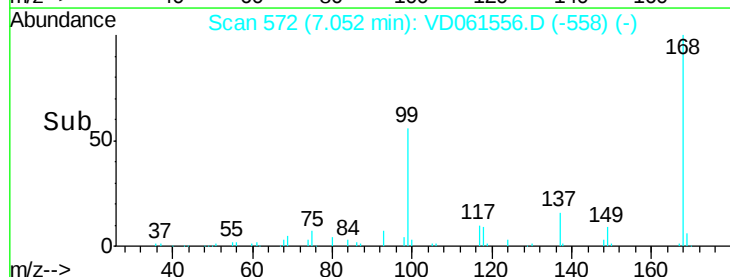
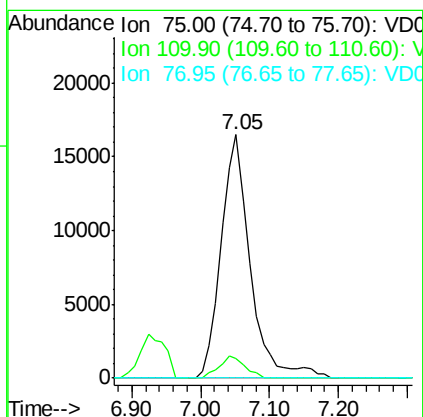
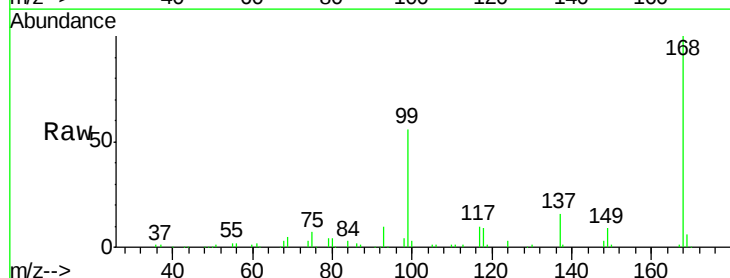
Instrument :
MSVOA_D
ClientSampleId :

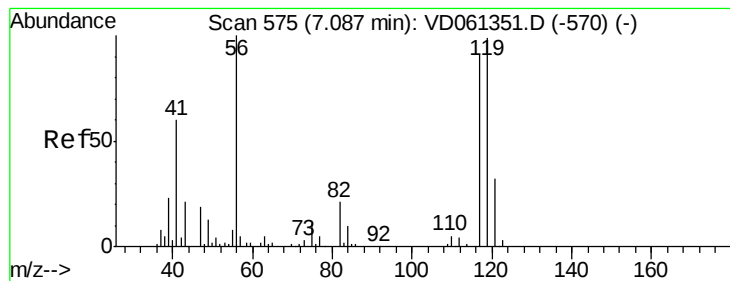
Tot Ion:113 Resp: 429580
Ion Ratio Lower Upper
113 100
111 101.4 81.0 121.6
192 15.8 14.4 21.6



#36
1,1-Dichloropropene
Concen: 5.393 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD061556.D
Acq: 3 Apr 2019 15:17

Tgt Ion: 75 Resp: 48264
Ion Ratio Lower Upper
75 100
110 8.1 20.4 61.3#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.957 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

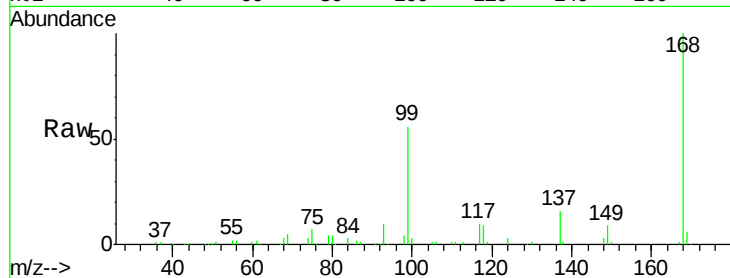
Lab File: VD061556.D

Acq: 3 Apr 2019 15:17

Instrument :

MSVOA_D

ClientSampled :



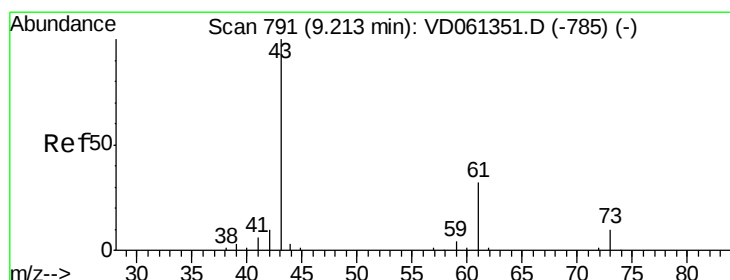
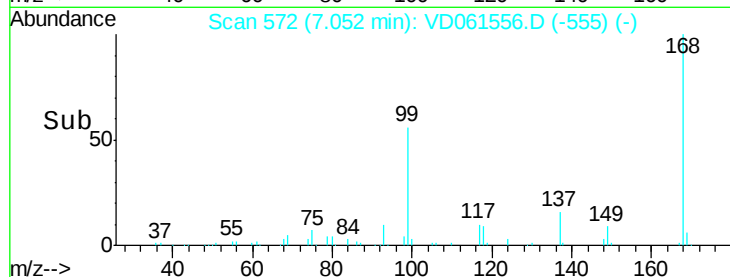
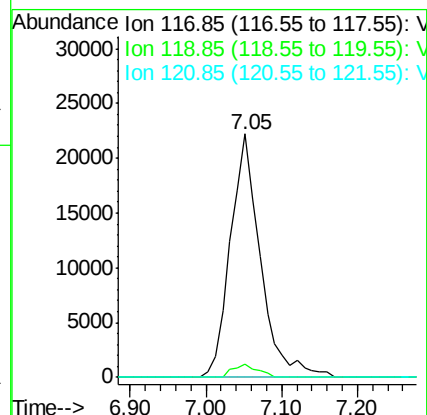
Tot Ion:117 Resp: 61261

Ion Ratio Lower Upper

117 100

119 5.4 80.1 120.1#

121 0.0 25.6 38.4#



#43

Isopropyl Acetate

Concen: 1.102 ug/l

RT: 9.56 min Scan# 827

Delta R.T. 0.35 min

Lab File: VD061556.D

Acq: 3 Apr 2019 15:17

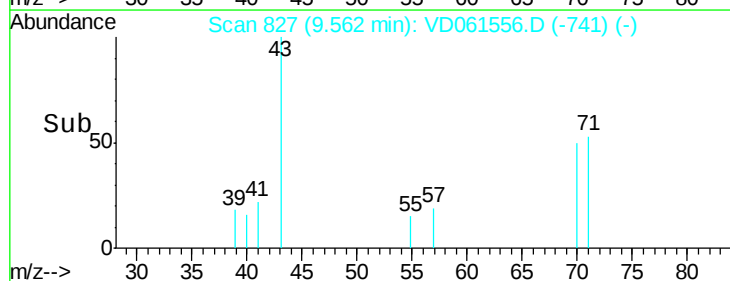
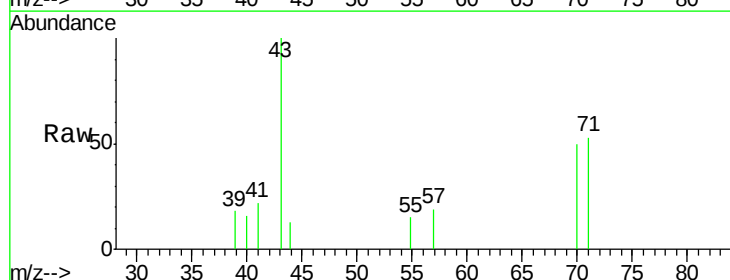
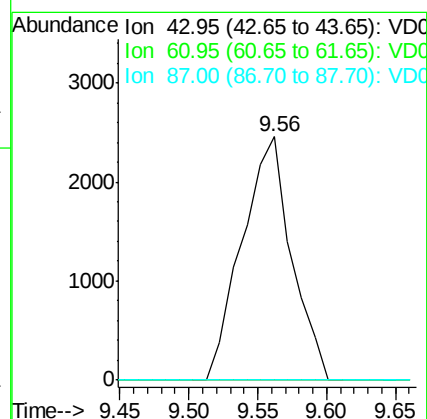
Tgt Ion: 43 Resp: 6137

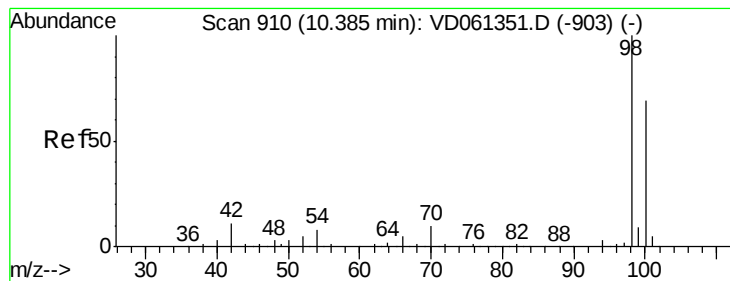
Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

87 0.0 0.0 0.0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD061556.D

Acq: 3 Apr 2019 15:17

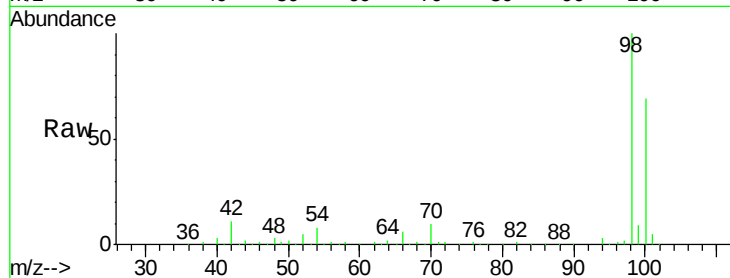
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 1024667

Ion Ratio Lower Upper

98 100

100 68.9 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

500000

400000

300000

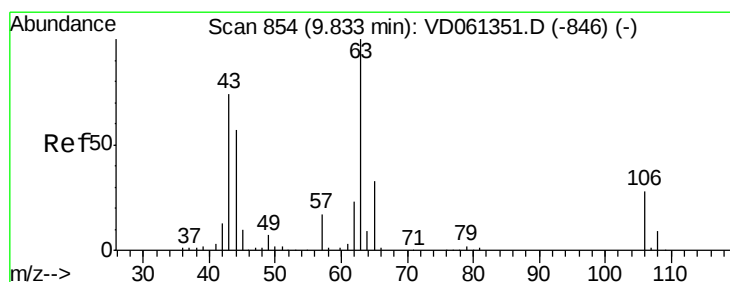
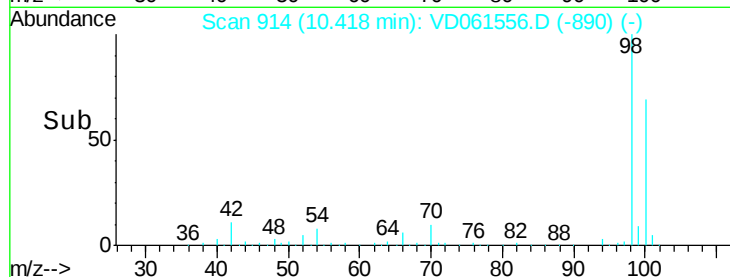
200000

100000

0

Time-->

10.30 10.40 10.50 10.60



#58

2-Chloroethyl Vinyl ether

Concen: 3.129 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.02 min

Lab File: VD061556.D

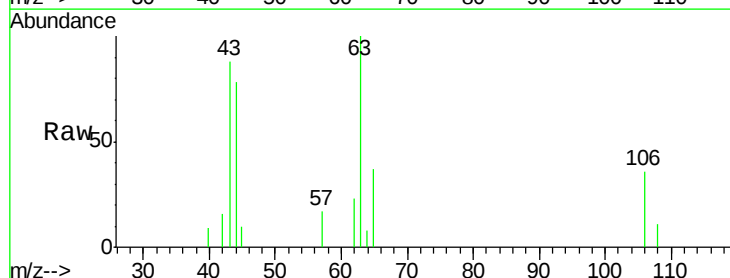
Acq: 3 Apr 2019 15:17

Tgt Ion: 63 Resp: 7844

Ion Ratio Lower Upper

63 100

106 36.0 22.4 33.6#



Abundance Ion 62.95 (62.65 to 63.65): VD061351.D (-846) (-)

Ion 105.95 (105.65 to 106.65): VD061351.D (-846) (-)

9.86

4000

3000

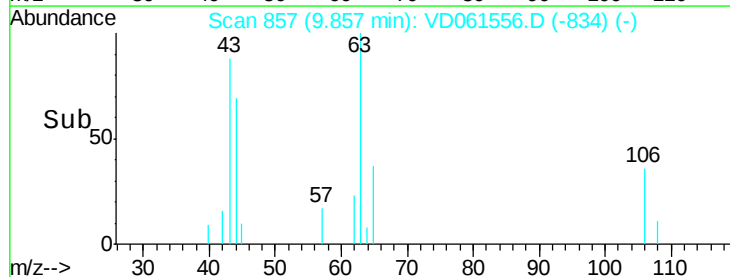
2000

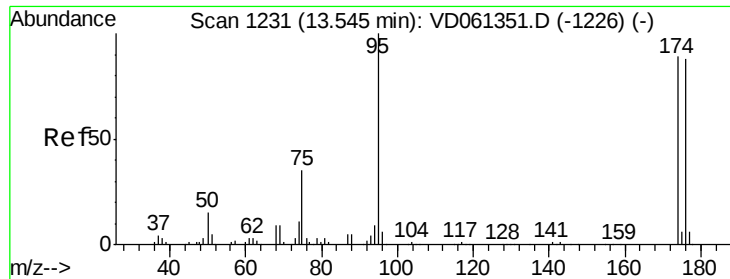
1000

0

Time-->

9.80 9.85 9.90 9.95

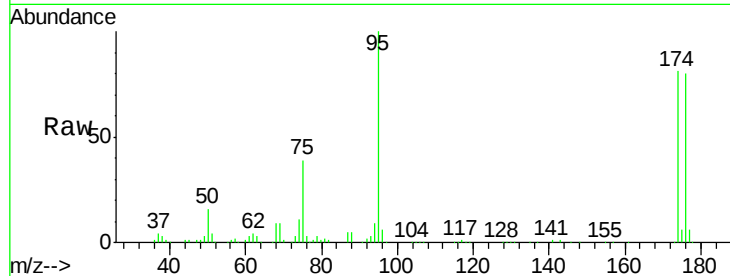




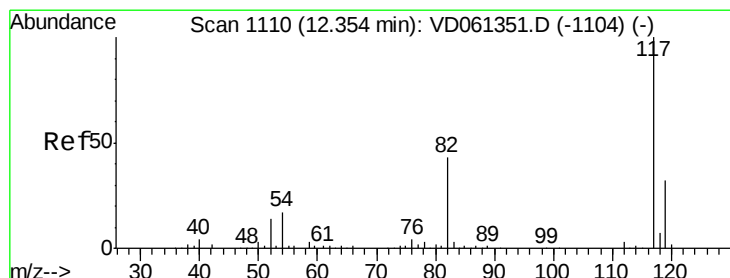
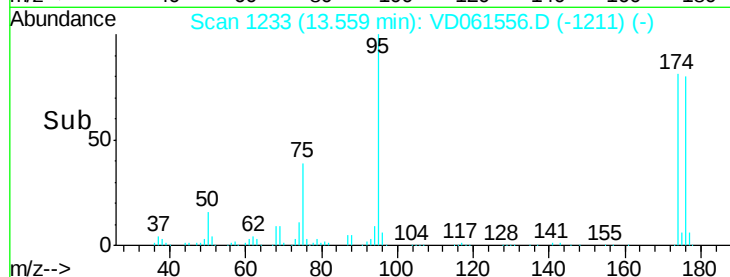
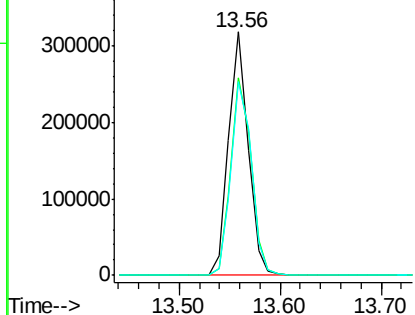
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061556.D
Acq: 3 Apr 2019 15:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 428196
Ion Ratio Lower Upper
95 100
174 81.1 0.0 178.0
176 79.8 0.0 175.0

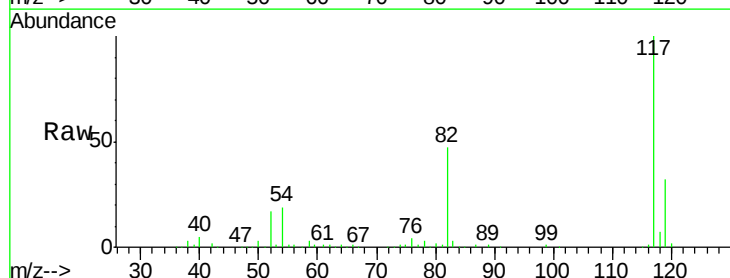


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

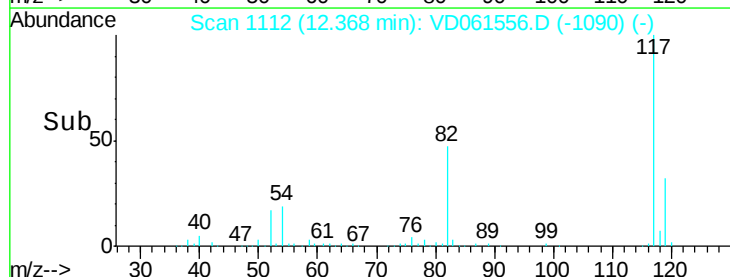
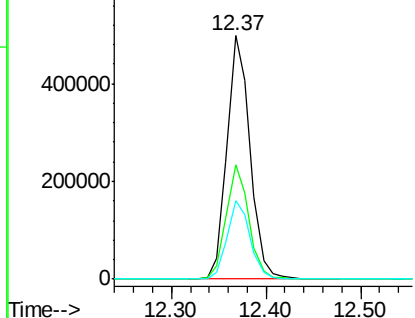


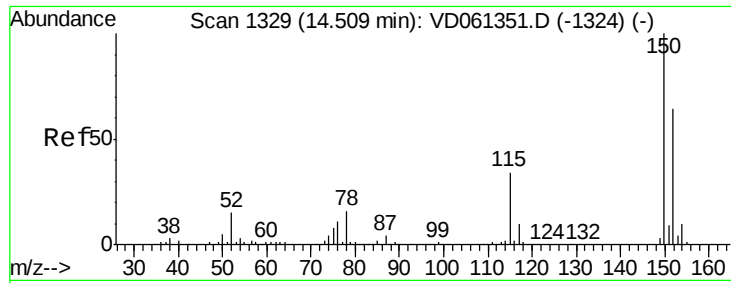
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061556.D
Acq: 3 Apr 2019 15:17

Tgt Ion: 117 Resp: 841664
Ion Ratio Lower Upper
117 100
82 46.8 34.4 51.6
119 32.5 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



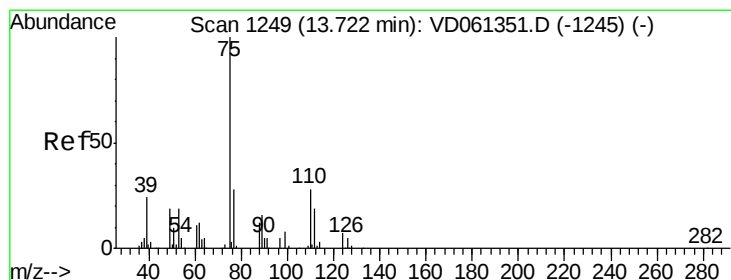
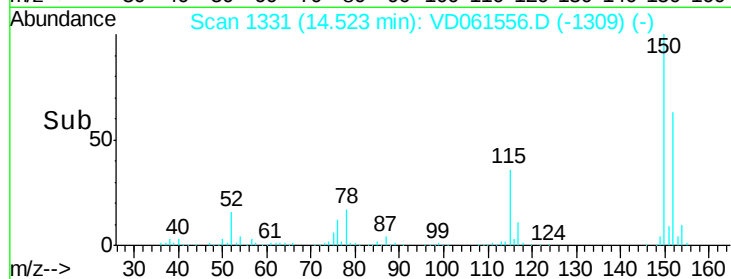
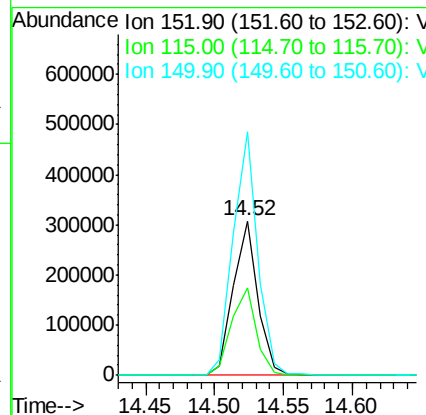
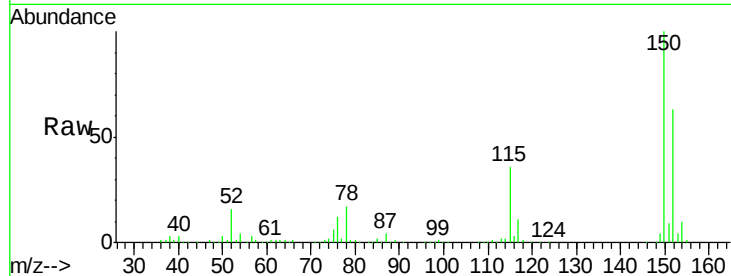


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061556.D
Acq: 3 Apr 2019 15:17

Instrument :
MSVOA_D
ClientSampleId :

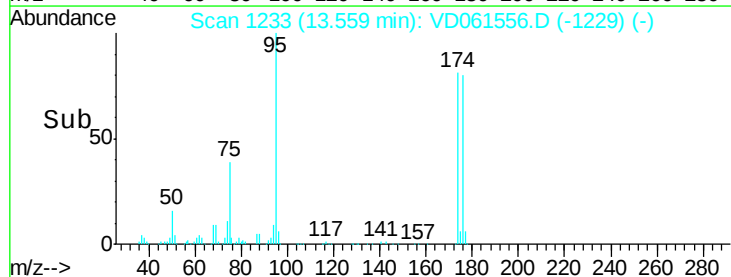
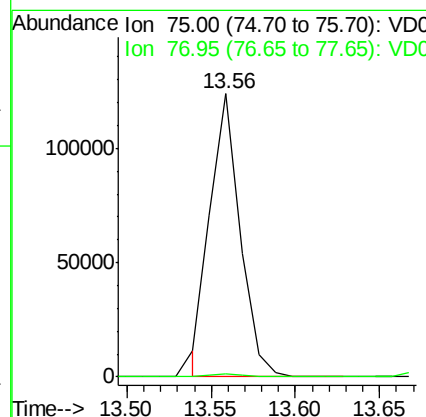
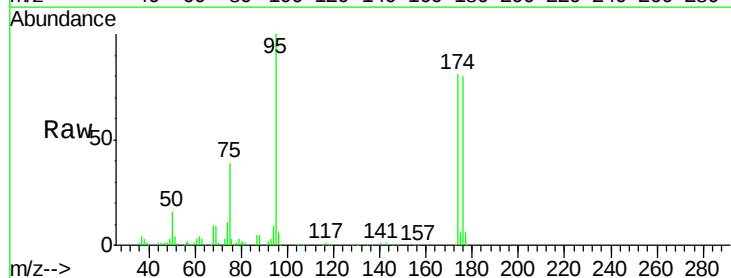
Tot Ion:152 Resp: 384158
Ion Ratio Lower Upper
152 100
115 56.4 26.9 80.6
150 157.5 0.0 318.0

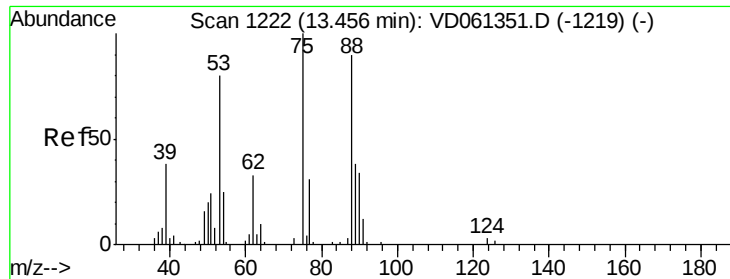


#76

1,2,3-Trichloropropane
Concen: 27.740 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.16 min
Lab File: VD061556.D
Acq: 3 Apr 2019 15:17

Tgt Ion: 75 Resp: 153936
Ion Ratio Lower Upper
75 100
77 1.1 16.2 48.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 95.031 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061556.D

Acq: 3 Apr 2019 15:17

Instrument :

MSVOA_D

ClientSampleId :

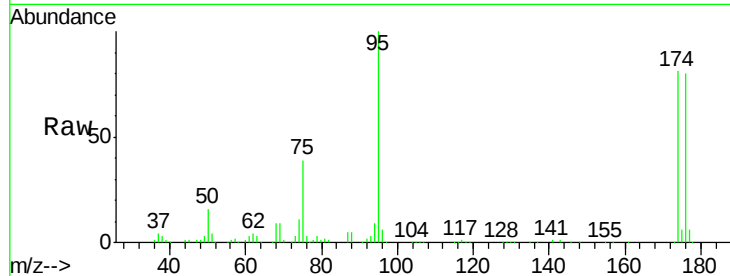
Tot Ion: 75 Resp: 160790

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

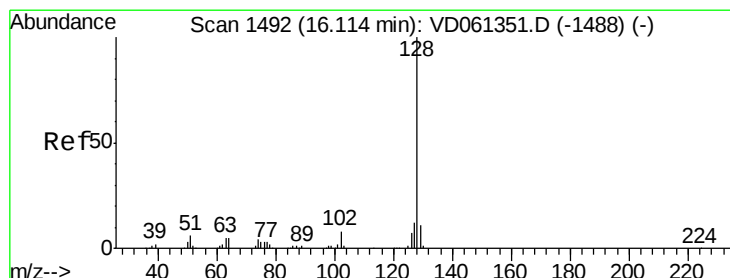
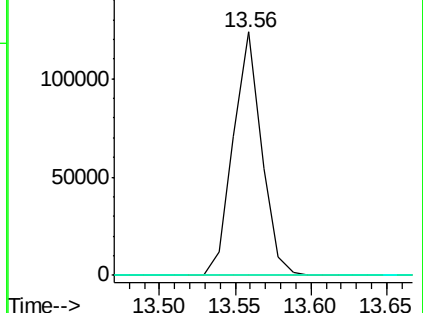
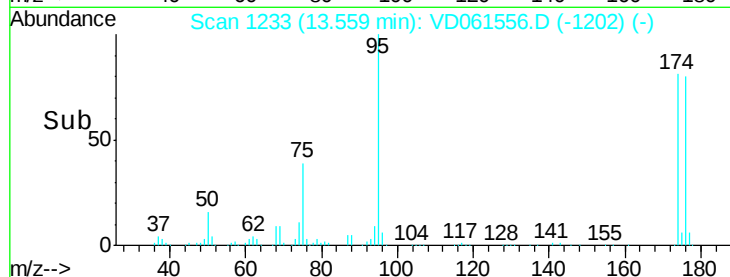
89 0.0 30.5 45.7#



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: 1.131 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD061556.D

Acq: 3 Apr 2019 15:17

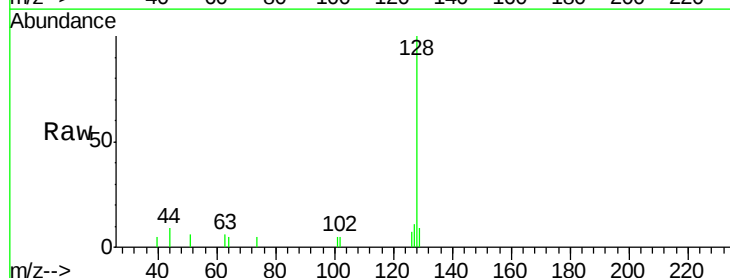
Tgt Ion: 128 Resp: 8647

Ion Ratio Lower Upper

128 100

127 10.9 9.9 14.9

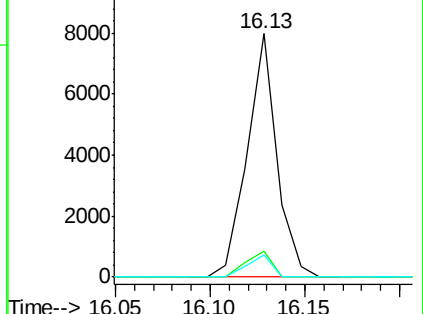
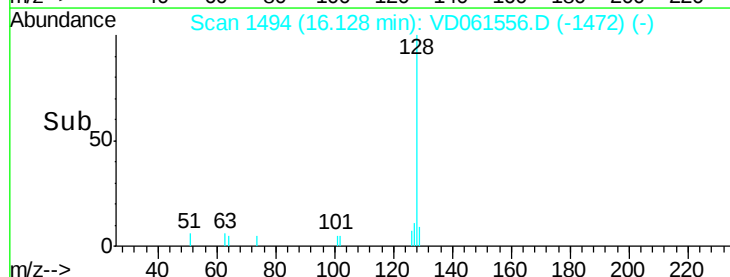
129 9.1 8.9 13.3

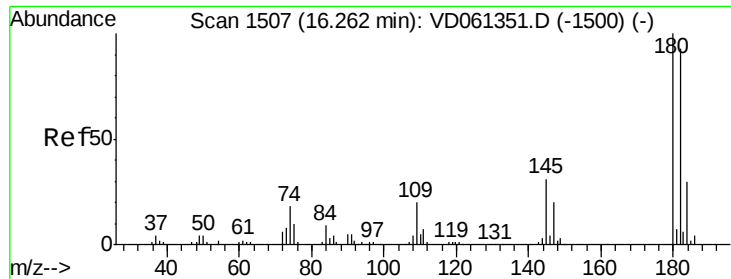


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

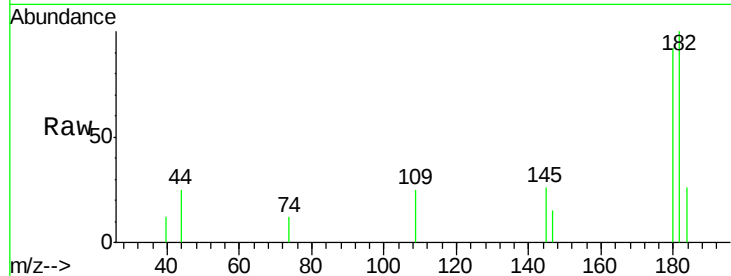




#96
 1,2,3-Trichlorobenzene
 Concen: 1.193 ug/l
 RT: 16.28 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VD061556.D
 Acq: 3 Apr 2019 15:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 2632
 Ion Ratio Lower Upper
 180 100
 182 108.1 46.4 139.1
 145 28.5 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

