

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061432.D
 Acq On : 29 Mar 2019 16:23
 Operator : VA/AP
 Sample : K2153-21
 Misc : 3.97g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1

Quant Time: Mar 29 22:38:08 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

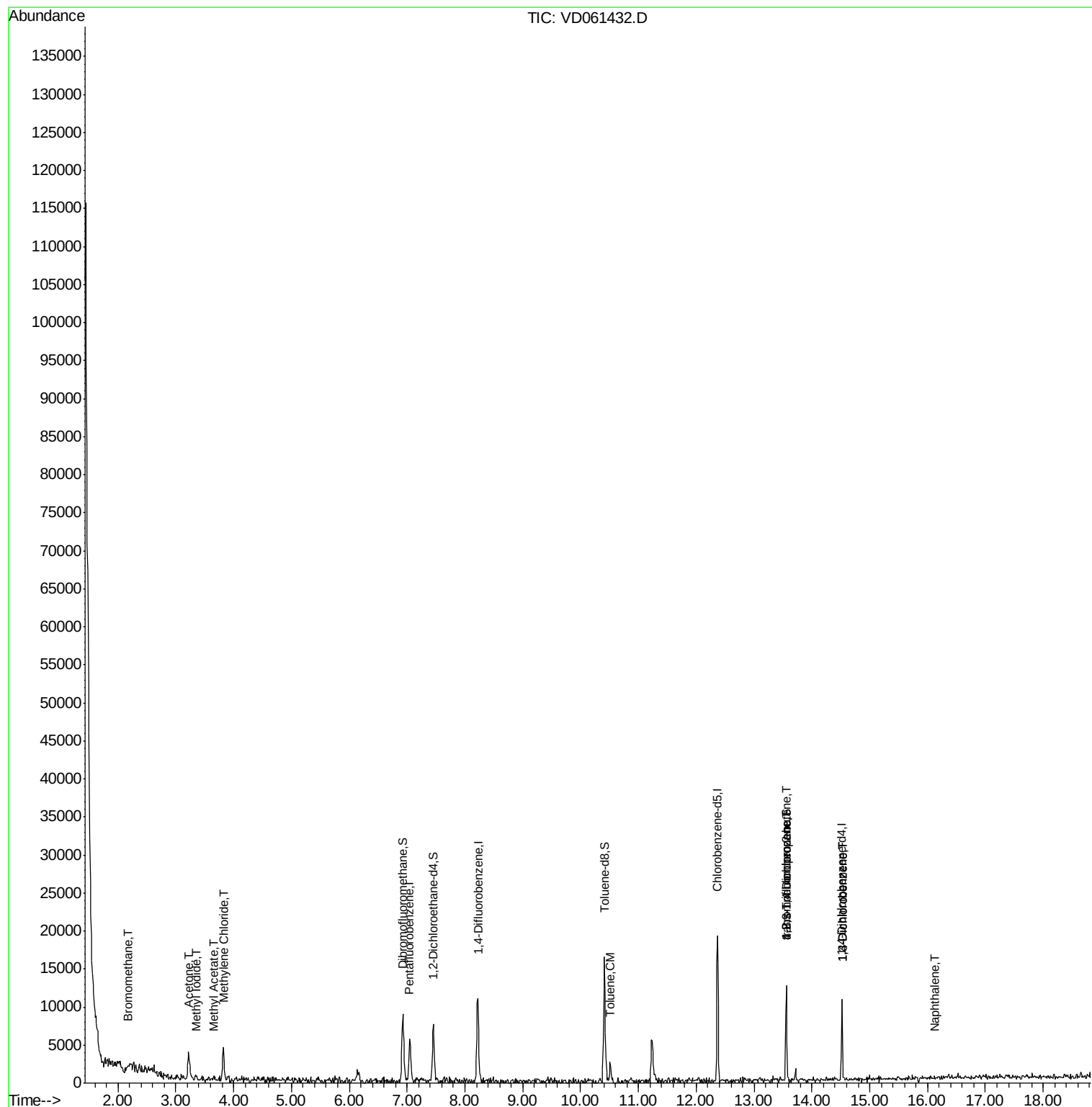
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	7538	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	17066	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	13182	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	3458	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	8340	129.52	ug/l	0.02
Spiked Amount 50.000			Recovery	=	259.04%	
35) Dibromofluoromethane	6.92	113	8894	68.20	ug/l	0.02
Spiked Amount 50.000			Recovery	=	136.40%	
50) Toluene-d8	10.41	98	15853	50.68	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	13.56	95	5304	44.22	ug/l	0.01
Spiked Amount 50.000			Recovery	=	88.44%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.18	94	953	79.724	ug/l #	10
10) Methyl Iodide	3.36	142	712	8.091	ug/l #	38
16) Acetone	3.22	43	6626	400.286	ug/l #	80
18) Methyl Acetate	3.65	43	209	6.005	ug/l #	55
20) Methylene Chloride	3.82	84	2216	22.855	ug/l #	69
52) Toluene	10.51	92	1400	6.139	ug/l	84
76) 1,2,3-Trichloropropane	13.55	75	1566	31.350	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	1566	102.821	ug/l #	18
87) 1,3-Dichlorobenzene	14.53	146	460	3.807	ug/l #	25
88) 1,4-Dichlorobenzene	14.53	146	460	3.904	ug/l #	25
95) Naphthalene	16.12	128	255	3.706	ug/l #	70

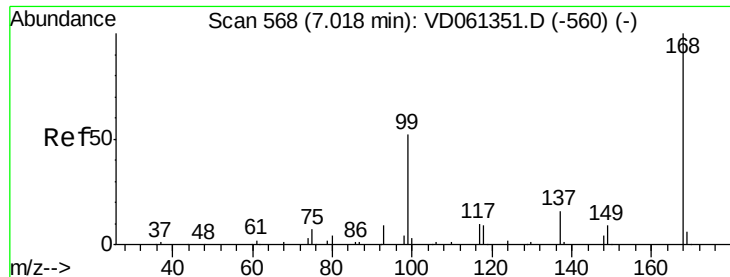
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032919\
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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: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061432.D

Acq: 29 Mar 2019 16:23

Instrument :

MSVOA_D

ClientSampleId :

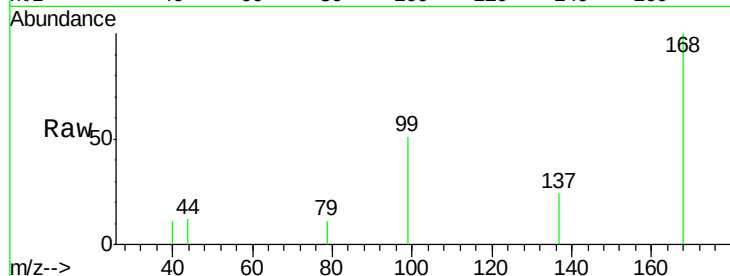
SP-1

Tot Ion:168 Resp: 7538

Ion Ratio Lower Upper

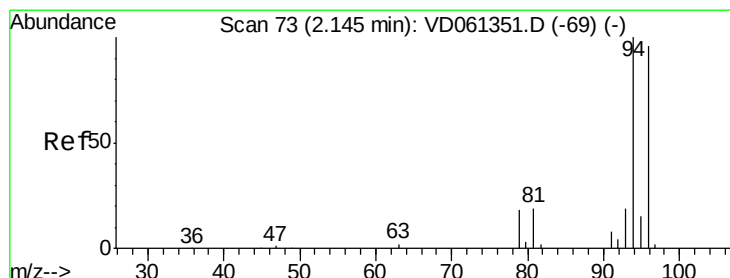
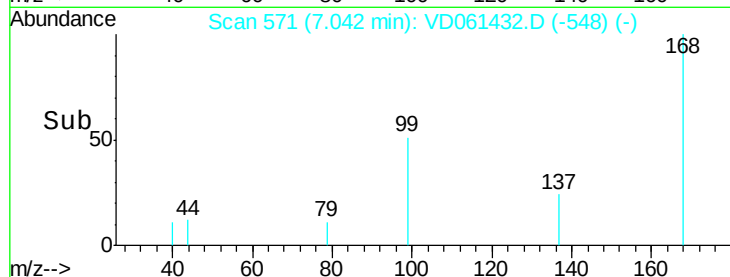
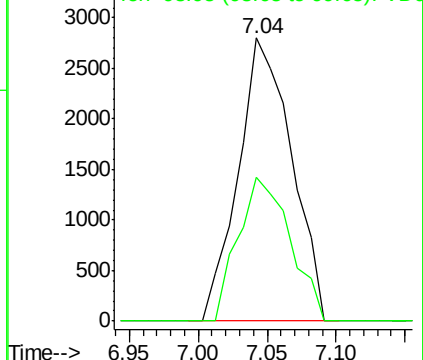
168 100

99 50.9 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: 79.724 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD061432.D

Acq: 29 Mar 2019 16:23

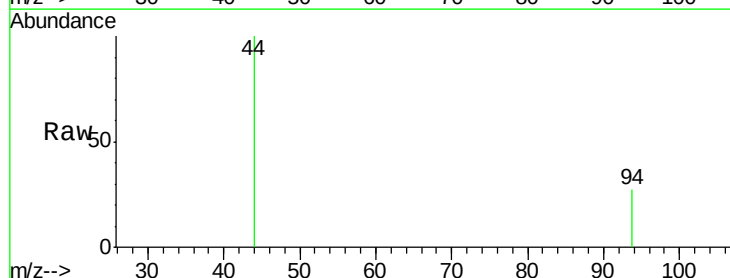
Tgt Ion: 94 Resp: 953

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

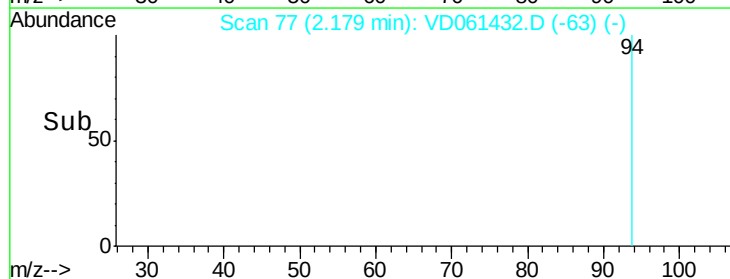
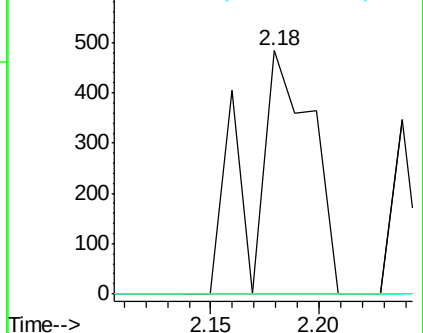
93 0.0 15.6 23.4#

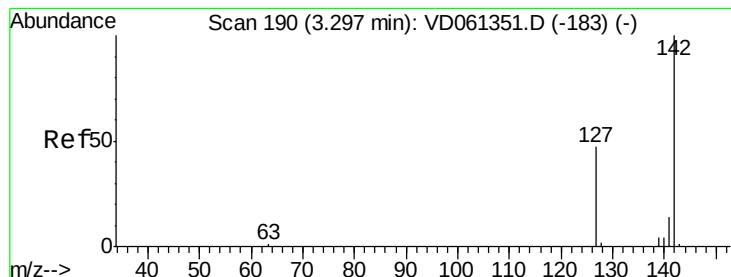


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

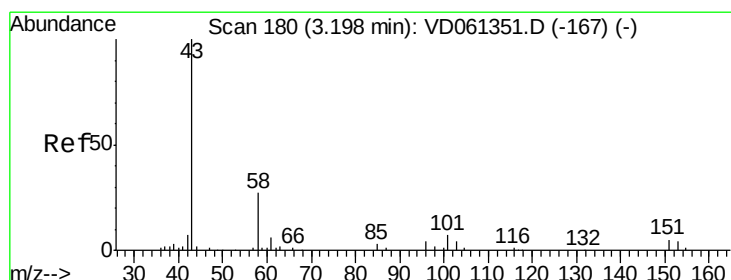
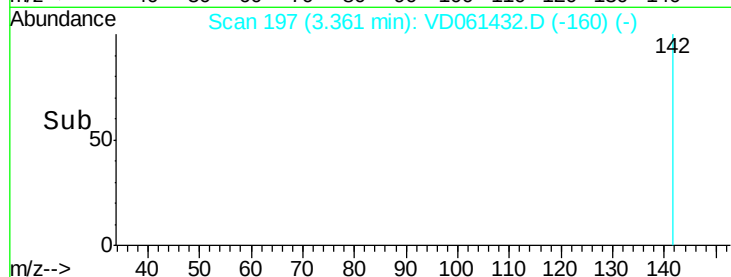
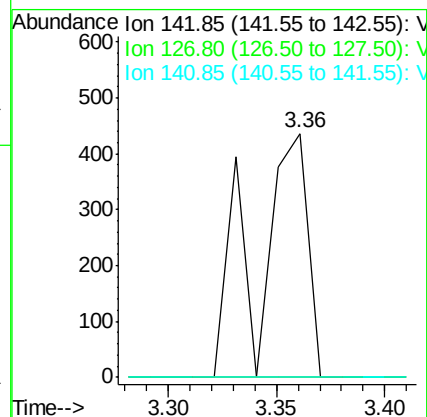
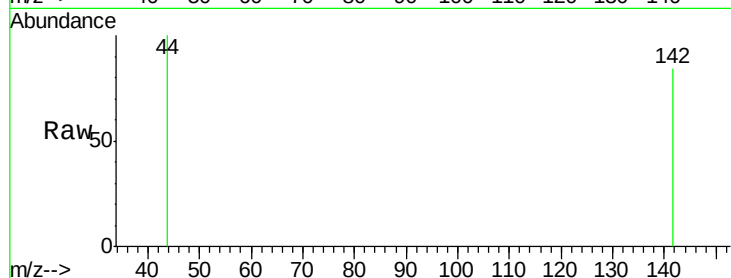




#10
Methvl Iodide
Concen: 8.091 ug/l
RT: 3.36 min Scan# 197
Delta R.T. 0.06 min
Lab File: VD061432.D
Acq: 29 Mar 2019 16:23

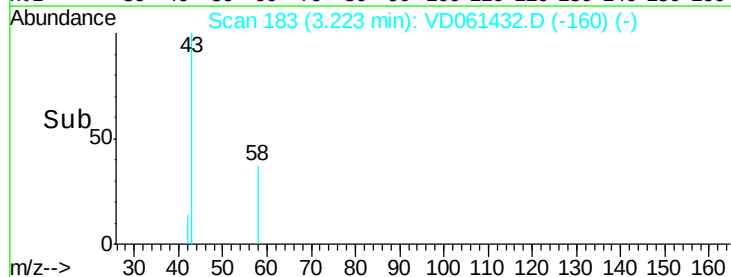
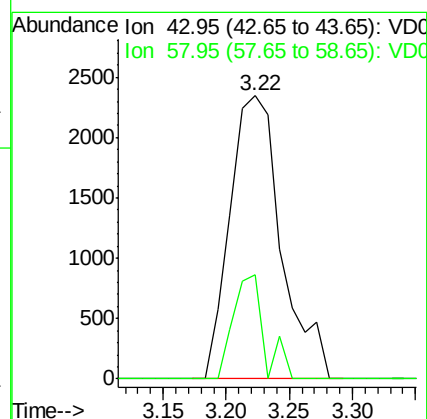
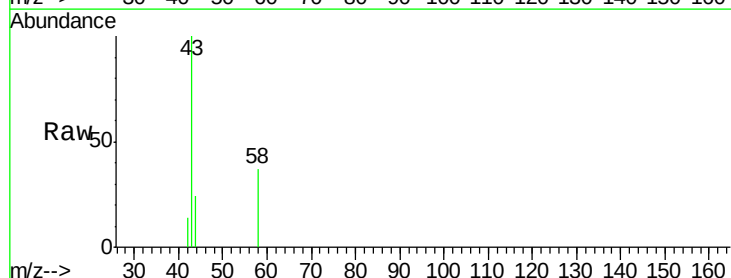
Instrument :
MSVOA_D
ClientSampleId :
SP-1

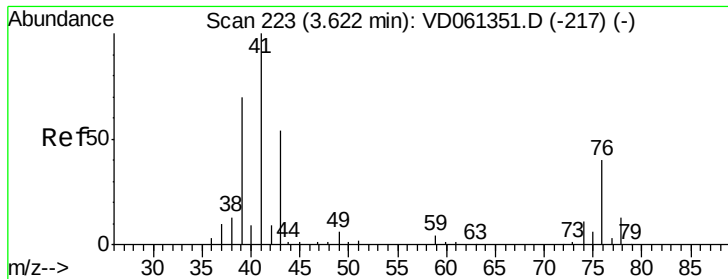
Tot Ion:142 Resp: 712
Ion Ratio Lower Upper
142 100
127 0.0 37.7 56.5#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 400.286 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.02 min
Lab File: VD061432.D
Acq: 29 Mar 2019 16:23

Tgt Ion: 43 Resp: 6626
Ion Ratio Lower Upper
43 100
58 37.0 21.5 32.3#

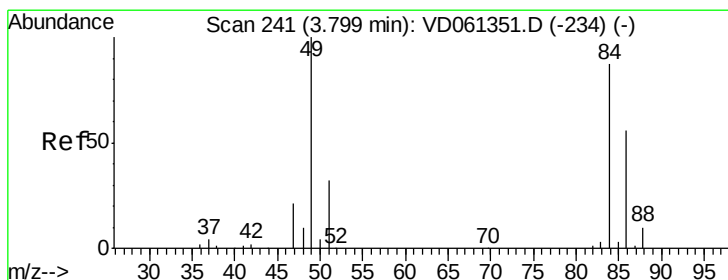
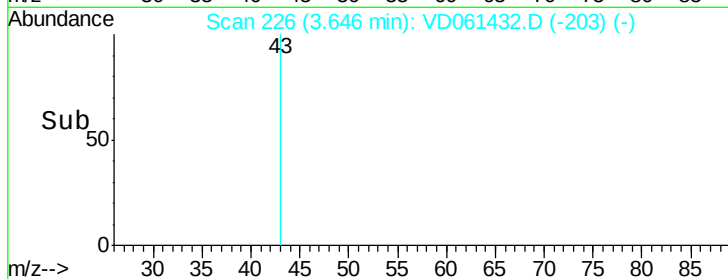
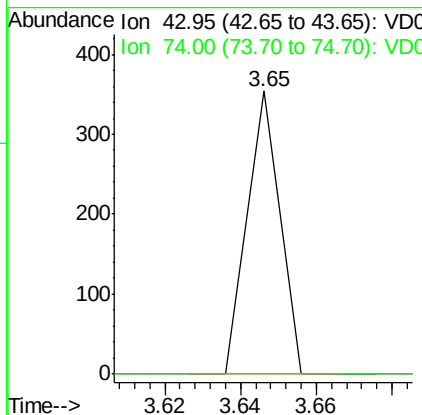
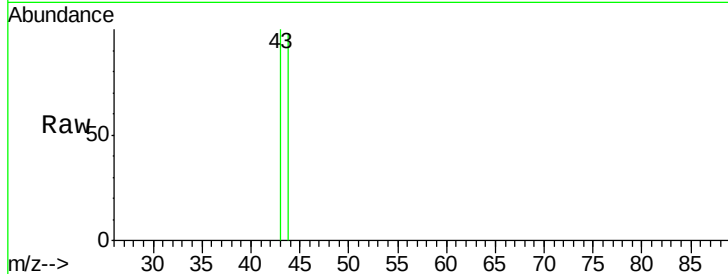




#18
Methyl Acetate
Concen: 6.005 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD061432.D
Acq: 29 Mar 2019 16:23

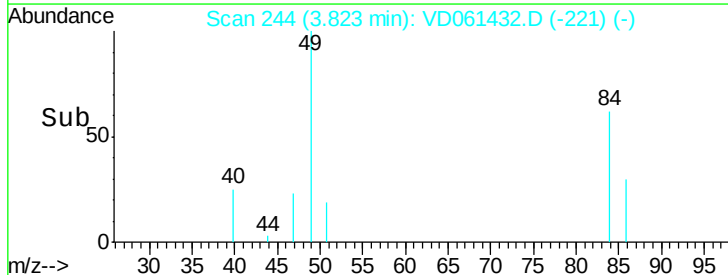
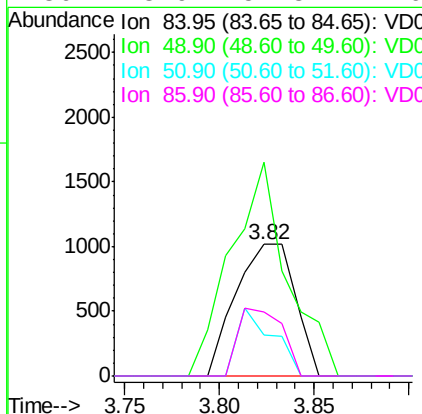
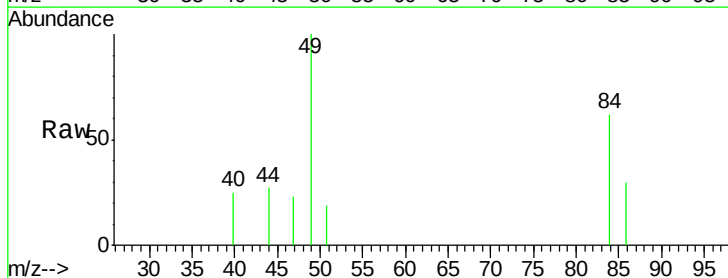
Instrument :
MSVOA_D
ClientSampleId :
SP-1

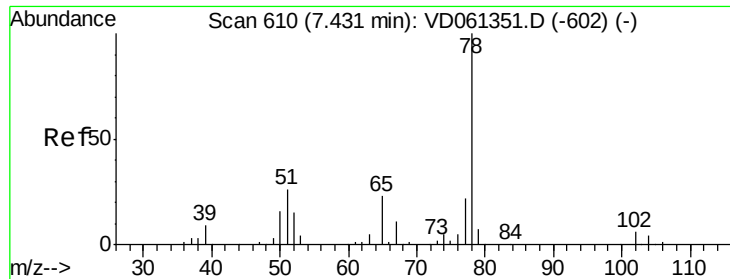
Tot Ion: 43 Resp: 209
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 22.855 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061432.D
Acq: 29 Mar 2019 16:23

Tgt Ion: 84 Resp: 2216
Ion Ratio Lower Upper
84 100
49 162.2 91.8 137.8#
51 31.3 29.8 44.8
86 48.9 51.8 77.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061432.D

Acq: 29 Mar 2019 16:23

Instrument :

MSVOA_D

ClientSampleId :

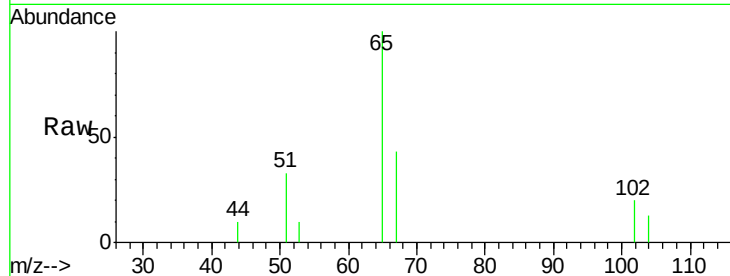
SP-1

Tot Ion: 65 Resp: 8340

Ion Ratio Lower Upper

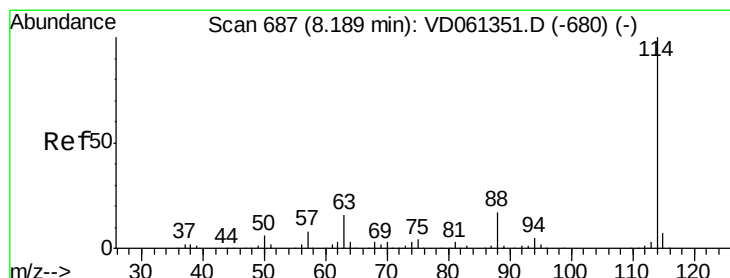
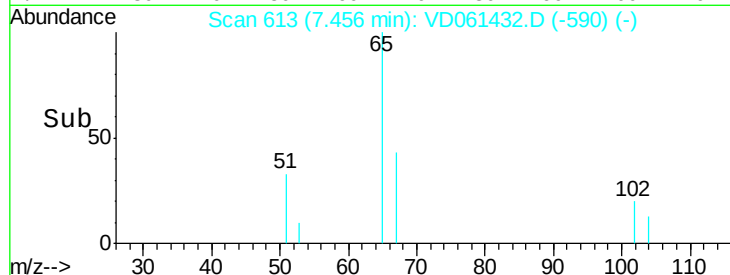
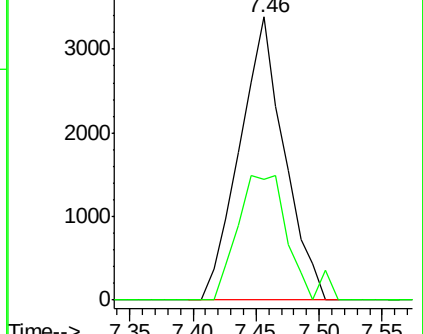
65 100

67 42.5 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: VD061432.D

Acq: 29 Mar 2019 16:23

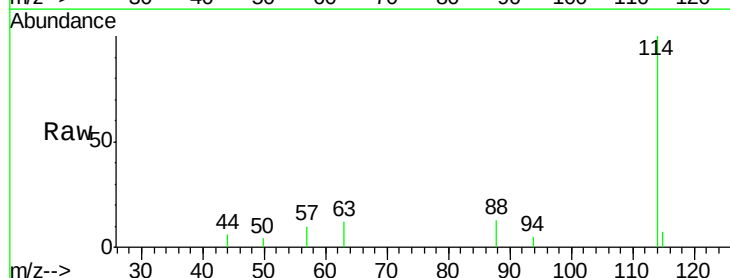
Tgt Ion: 114 Resp: 17066

Ion Ratio Lower Upper

114 100

63 11.7 0.0 31.6

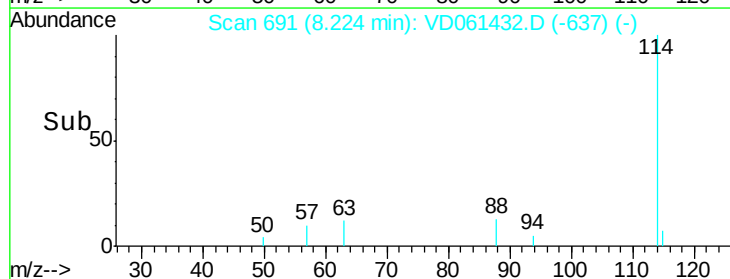
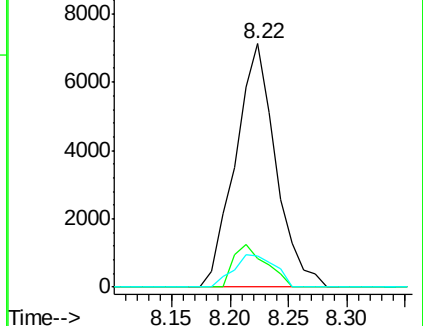
88 13.0 0.0 33.4

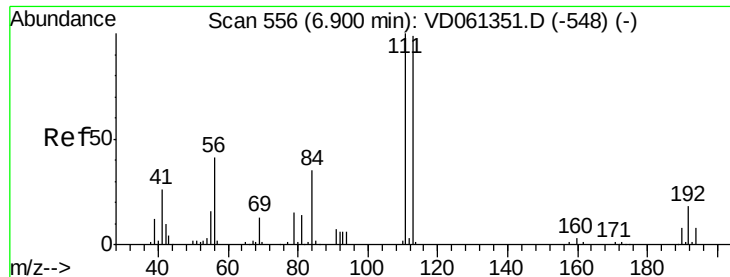


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD061432.D

Acq: 29 Mar 2019 16:23

Instrument :

MSVOA_D

ClientSampleId :

SP-1

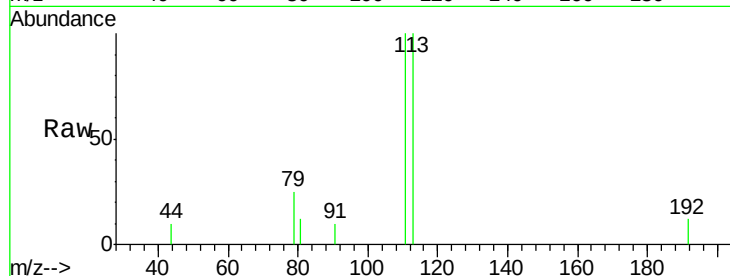
Tot Ion:113 Resp: 8894

Ion Ratio Lower Upper

113 100

111 99.6 81.0 121.6

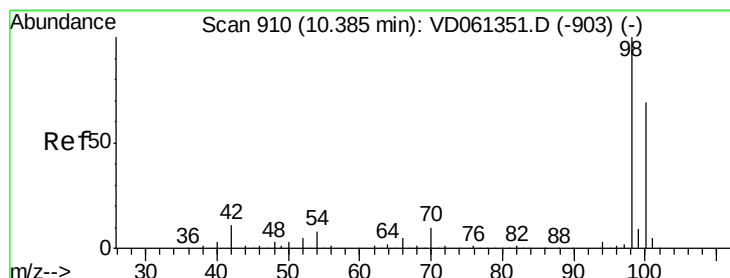
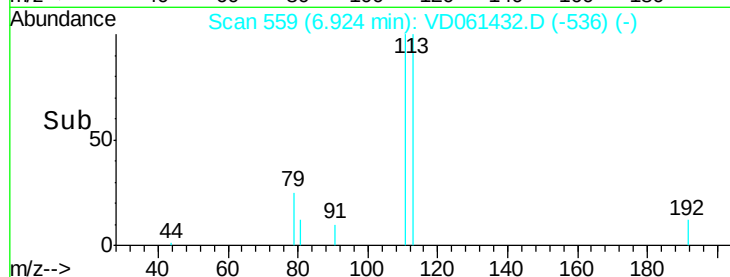
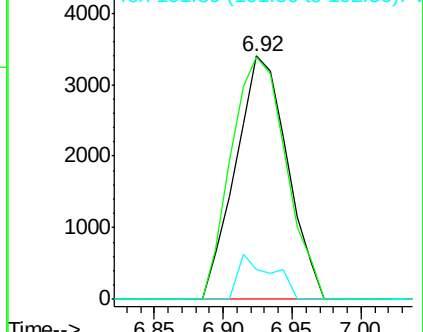
192 12.0 14.4 21.6#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD061432.D

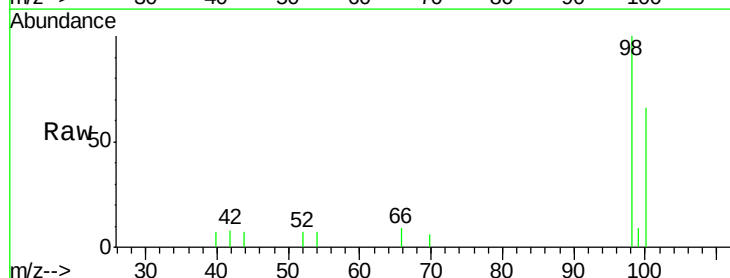
Acq: 29 Mar 2019 16:23

Tgt Ion: 98 Resp: 15853

Ion Ratio Lower Upper

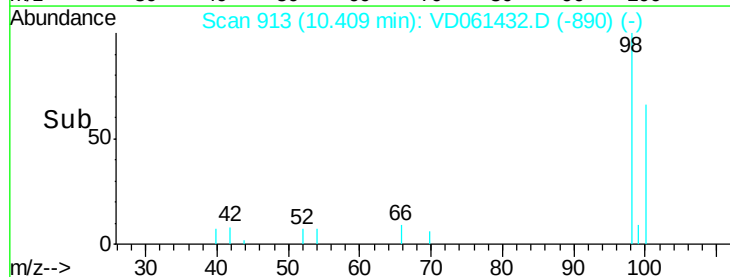
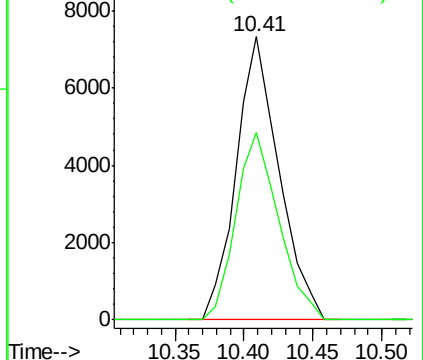
98 100

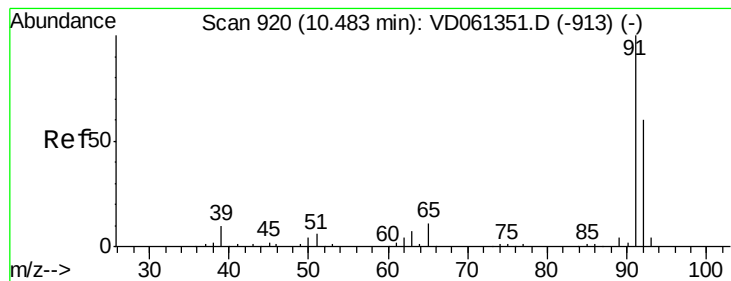
100 66.1 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 6.139 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD061432.D

Acq: 29 Mar 2019 16:23

Instrument :

MSVOA_D

ClientSampleId :

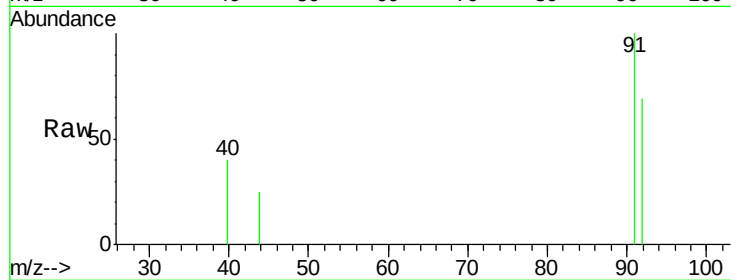
SP-1

Tot Ion: 92 Resp: 1400

Ion Ratio Lower Upper

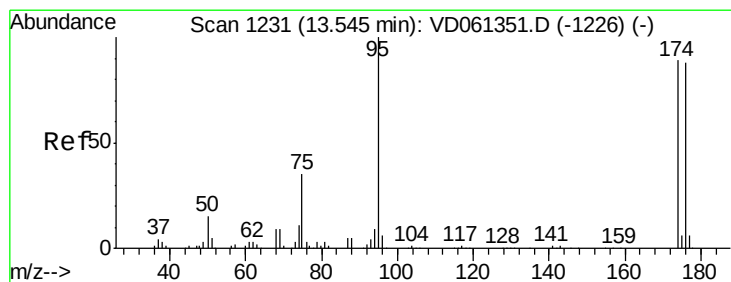
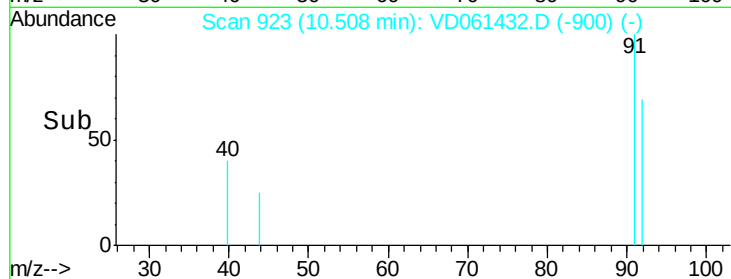
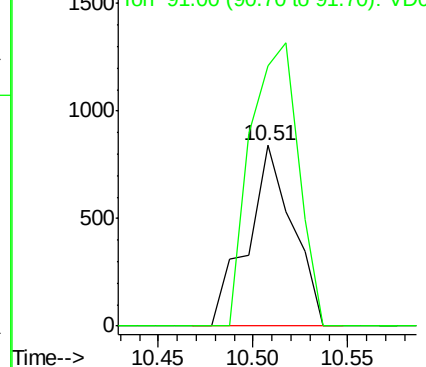
92 100

91 144.4 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061432.D

Acq: 29 Mar 2019 16:23

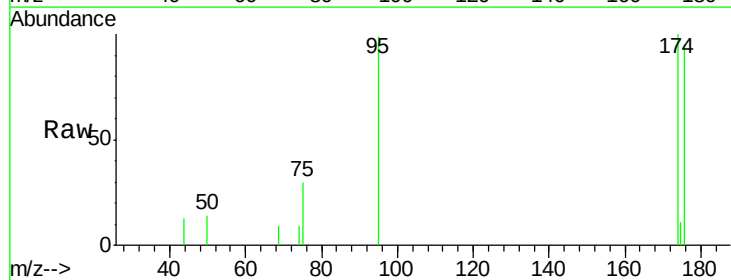
Tgt Ion: 95 Resp: 5304

Ion Ratio Lower Upper

95 100

174 101.0 0.0 178.0

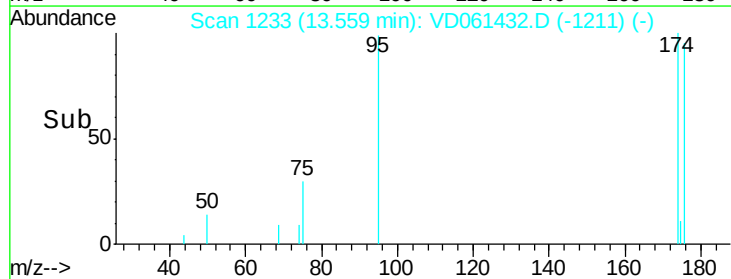
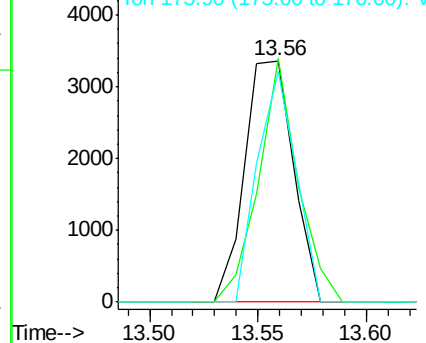
176 95.6 0.0 175.0

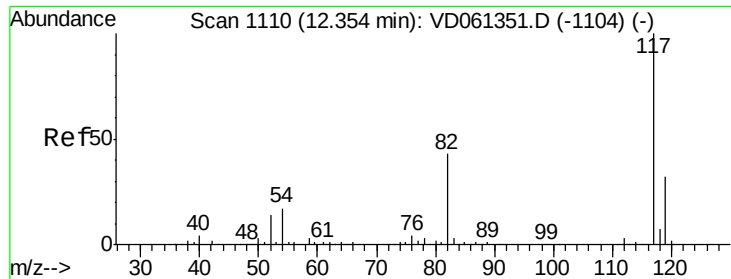


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

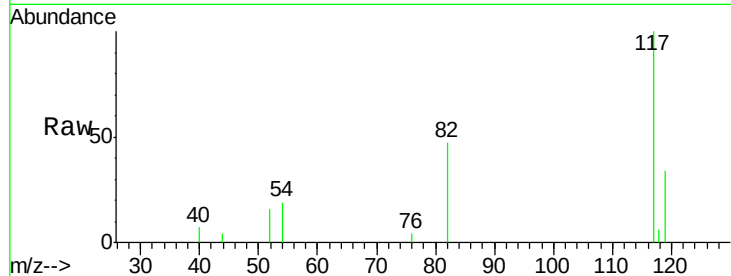




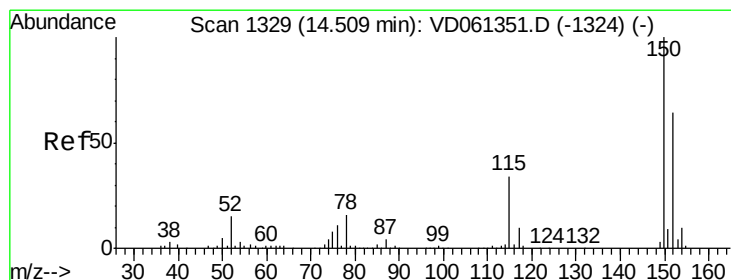
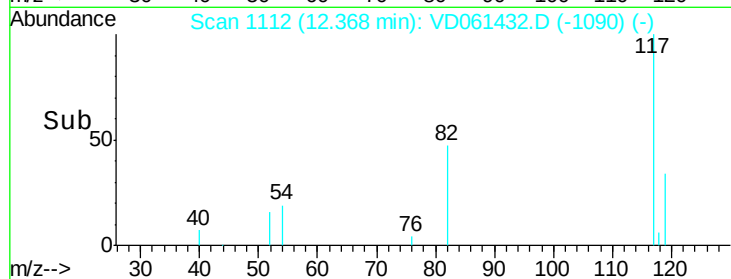
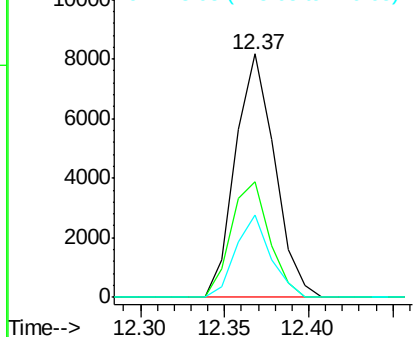
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061432.D
Acq: 29 Mar 2019 16:23

Instrument :
MSVOA_D
ClientSampled :
SP-1

Tot Ion:117 Resp: 13182
Ion Ratio Lower Upper
117 100
82 47.3 34.4 51.6
119 33.9 25.8 38.6

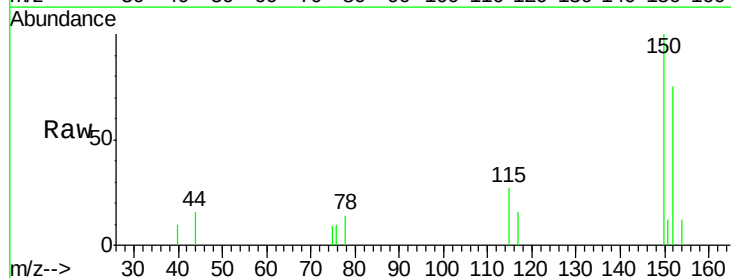


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

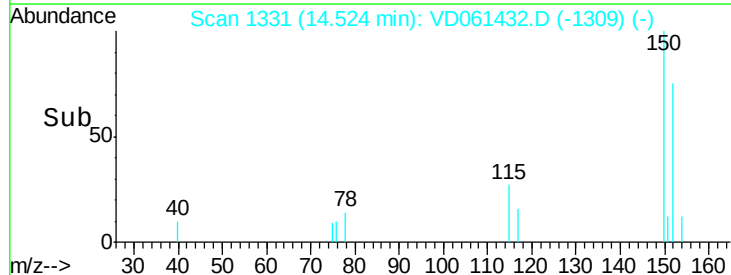
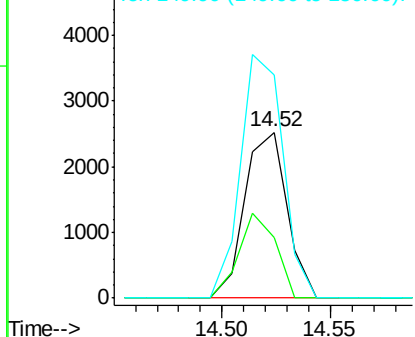


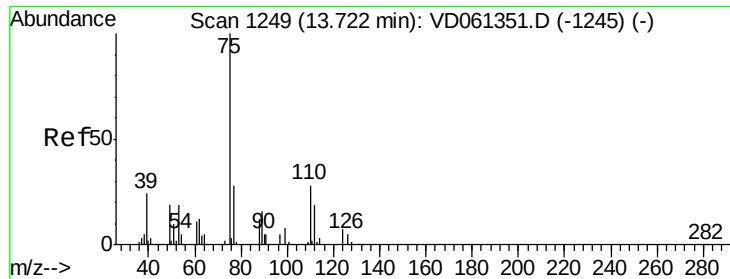
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061432.D
Acq: 29 Mar 2019 16:23

Tgt Ion:152 Resp: 3458
Ion Ratio Lower Upper
152 100
115 36.8 26.9 80.6
150 134.2 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

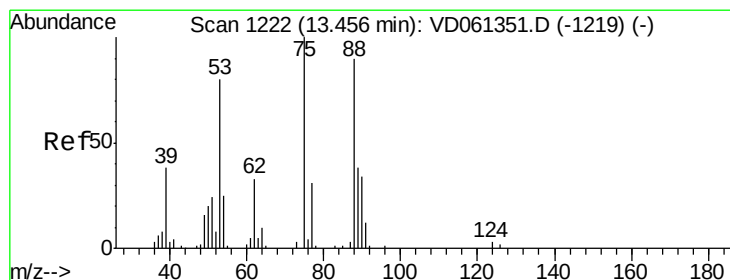
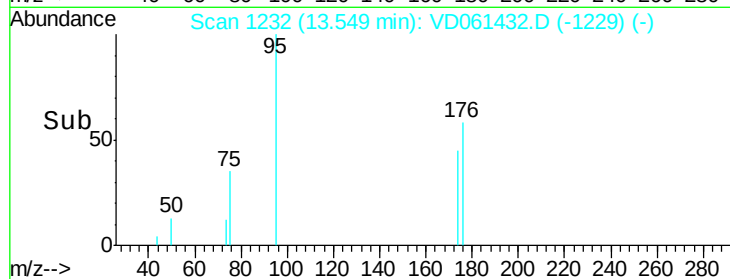
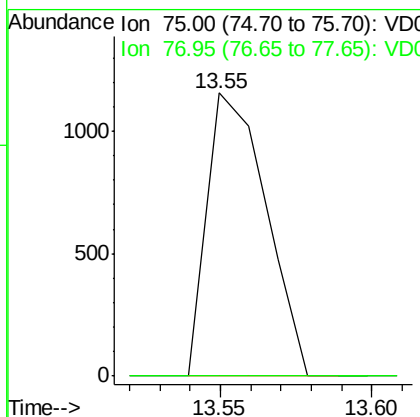
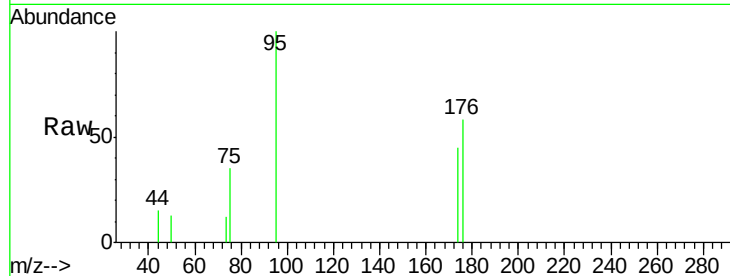




#76
 1,2,3-Trichloropropane
 Concen: 31.350 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD061432.D
 Acq: 29 Mar 2019 16:23

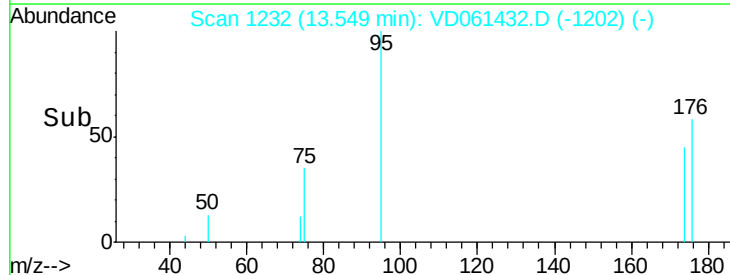
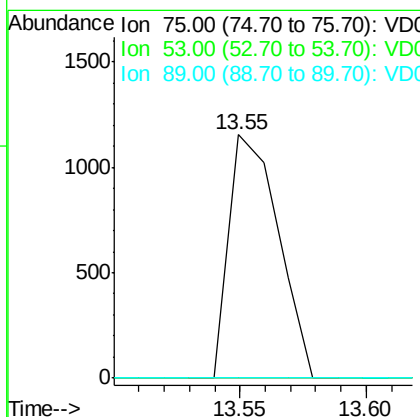
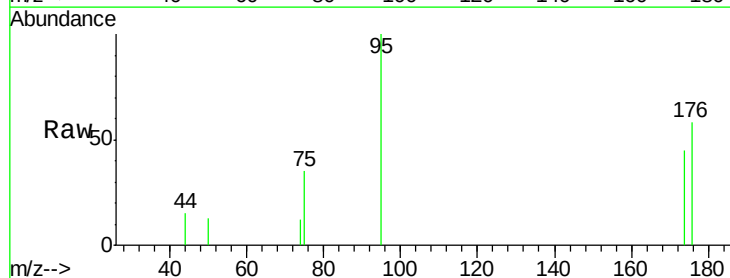
Instrument :
 MSVOA_D
 ClientSampleID :
 SP-1

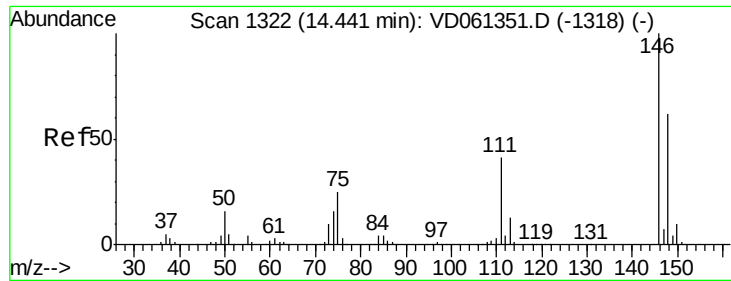
Tot Ion: 75 Resp: 1566
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.2 48.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.821 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.09 min
 Lab File: VD061432.D
 Acq: 29 Mar 2019 16:23

Tgt Ion: 75 Resp: 1566
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

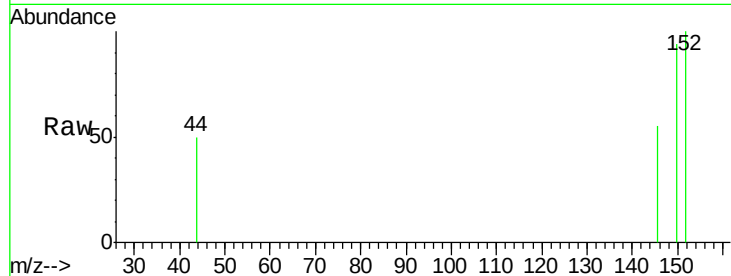




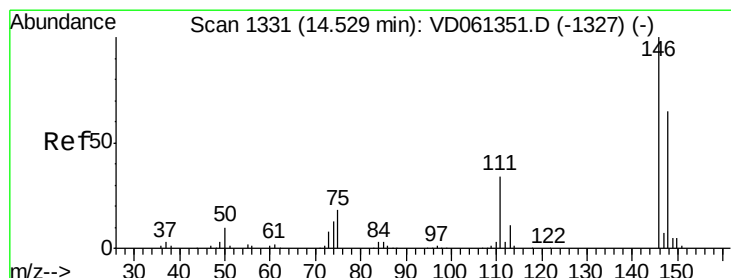
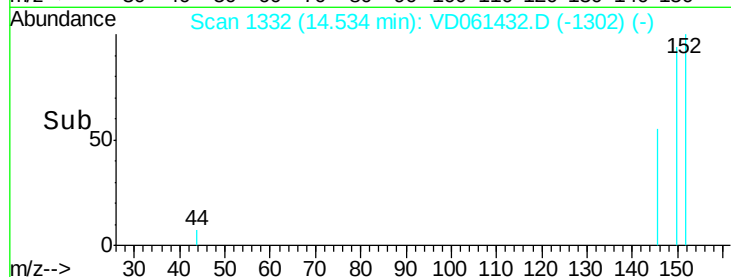
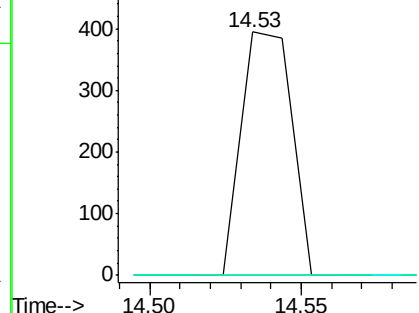
#87
 1,3-Dichlorobenzene
 Concen: 3.807 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.09 min
 Lab File: VD061432.D
 Acq: 29 Mar 2019 16:23

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1

Tot Ion:146 Resp: 460
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.6 61.9#
 148 0.0 31.1 93.3#

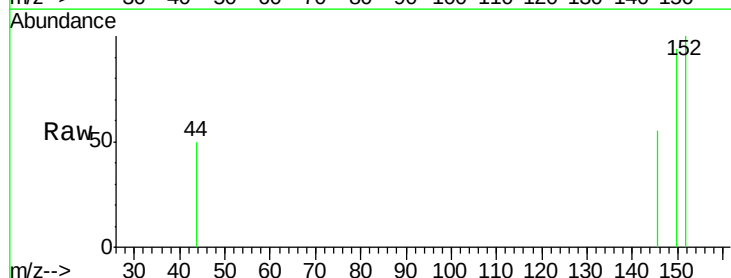


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

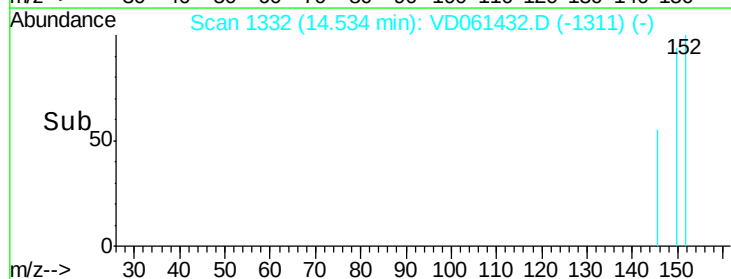
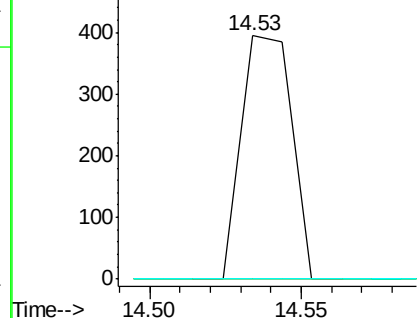


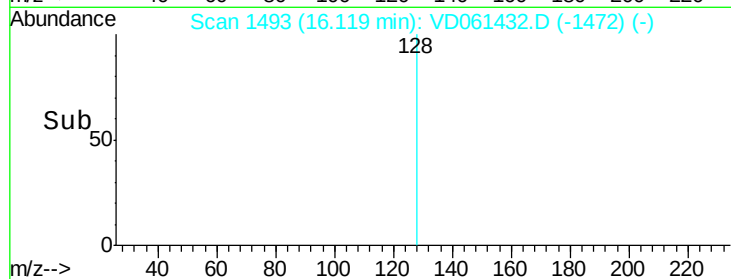
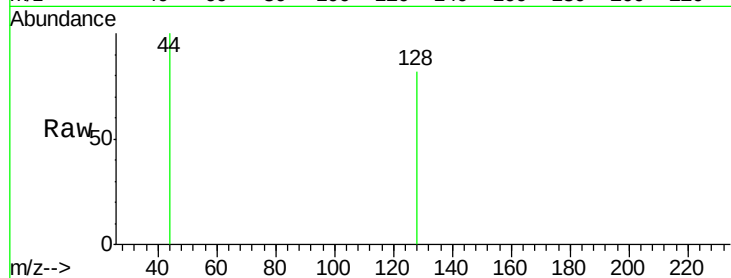
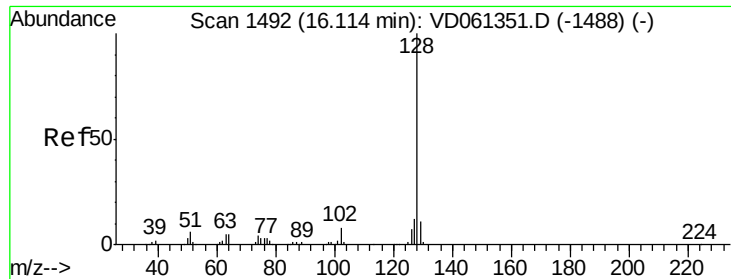
#88
 1,4-Dichlorobenzene
 Concen: 3.904 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061432.D
 Acq: 29 Mar 2019 16:23

Tgt Ion:146 Resp: 460
 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





#95

Naphthalene

Concen: 3.706 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD061432.D

Acq: 29 Mar 2019 16:23

Instrument :

MSVOA_D

ClientSampleId :

SP-1

Tot Ion:128 Resp: 255

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

129 0.0 8.9 13.3#

