

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061498.D
 Acq On : 2 Apr 2019 6:44
 Operator : VA/AP
 Sample : K2180-09
 Misc : 8.09g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 07:32:46 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

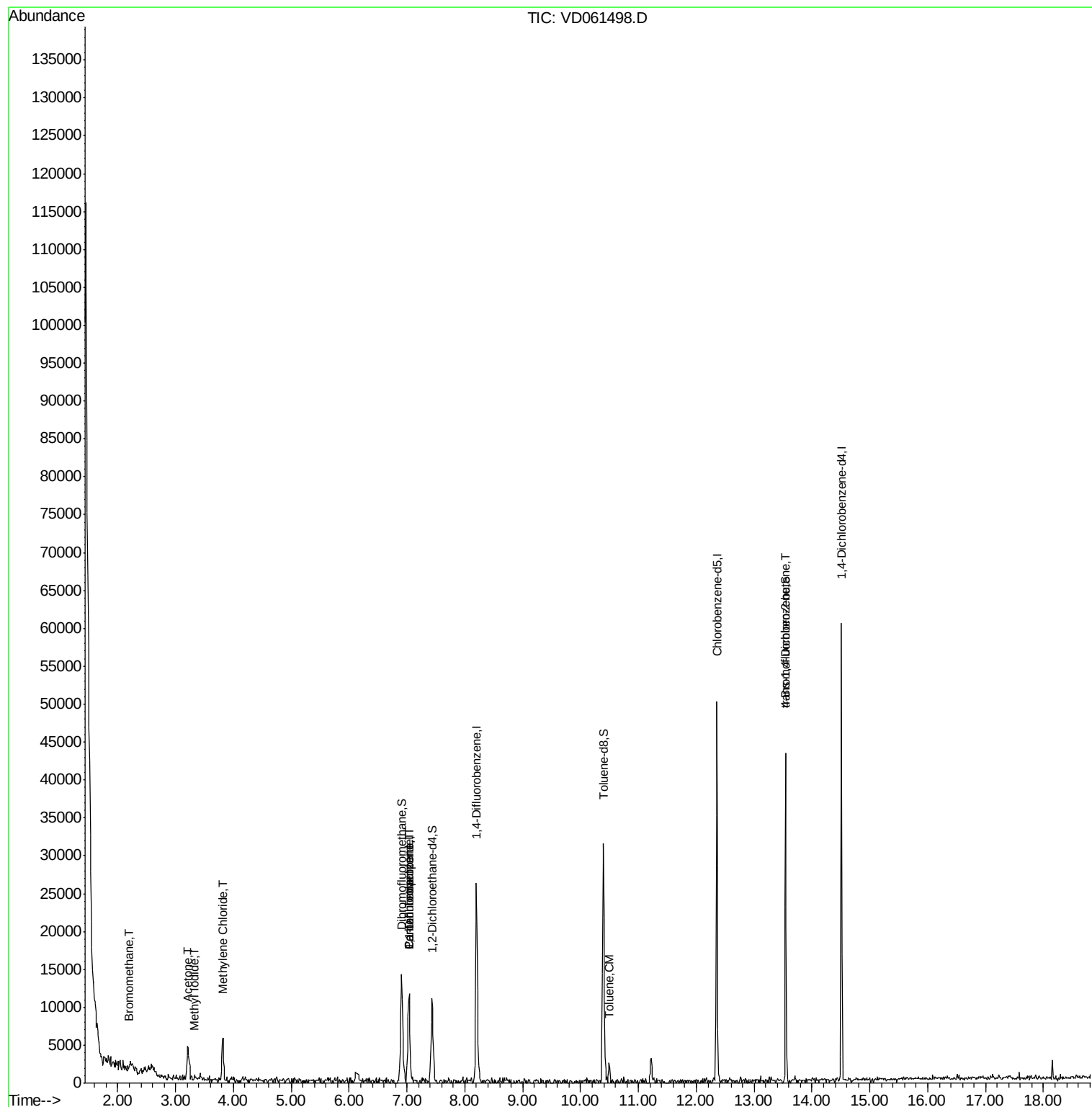
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	14873	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.20	114	34674	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	31675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	14162	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	13087	103.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	206.02%	
35) Dibromofluoromethane	6.90	113	15064	56.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.70%	
50) Toluene-d8	10.39	98	29639	46.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	13.54	95	13703	56.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.46%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.18	94	220	9.328	ug/l #	1
10) Methyl Iodide	3.33	142	873	6.340	ug/l #	38
16) Acetone	3.21	43	9584	293.442	ug/l	99
20) Methylene Chloride	3.81	84	3383	17.232	ug/l	94
36) 1,1-Dichloropropene	7.04	75	526	1.738	ug/l #	38
38) Carbon Tetrachloride	7.04	117	472	1.357	ug/l #	10
52) Toluene	10.49	92	1323	2.855	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.54	75	5138	82.373	ug/l #	18

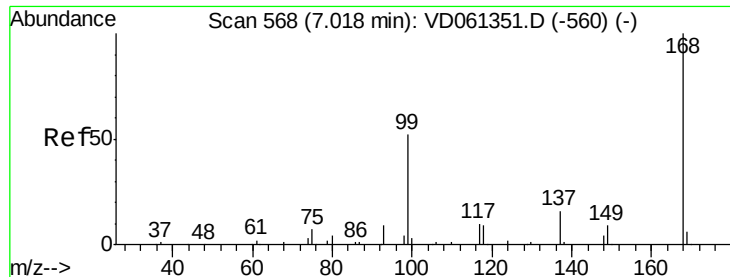
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061498.D

Acq: 2 Apr 2019 6:44

Instrument :

MSVOA_D

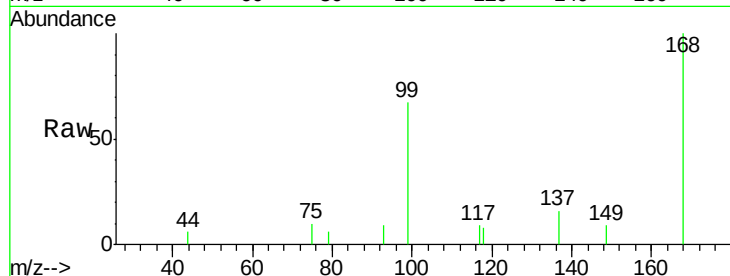
ClientSampleId :

Tot Ion:168 Resp: 14873

Ion Ratio Lower Upper

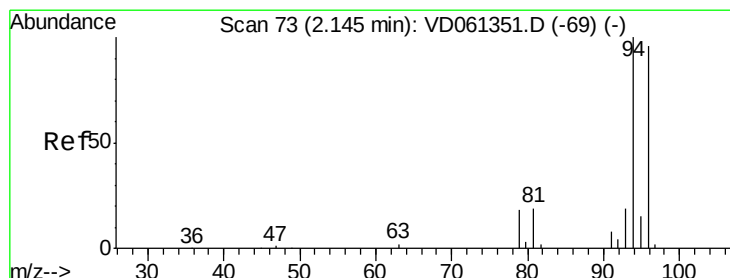
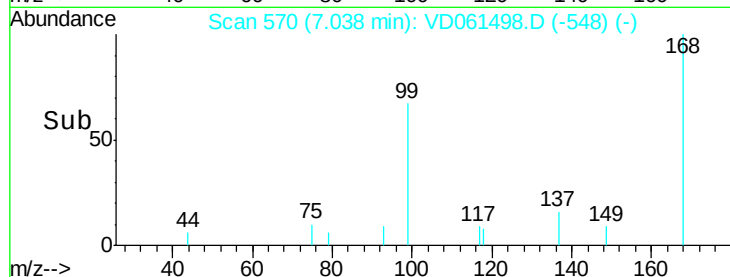
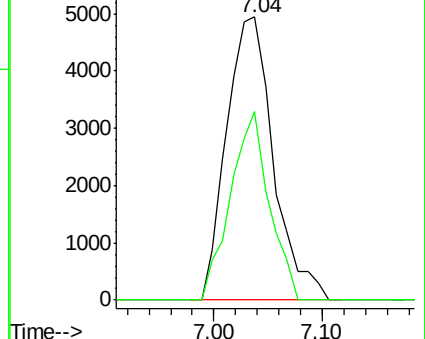
168 100

99 66.6 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: 9.328 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.04 min

Lab File: VD061498.D

Acq: 2 Apr 2019 6:44

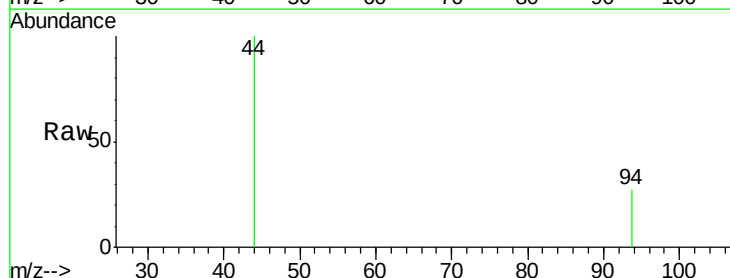
Tgt Ion: 94 Resp: 220

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

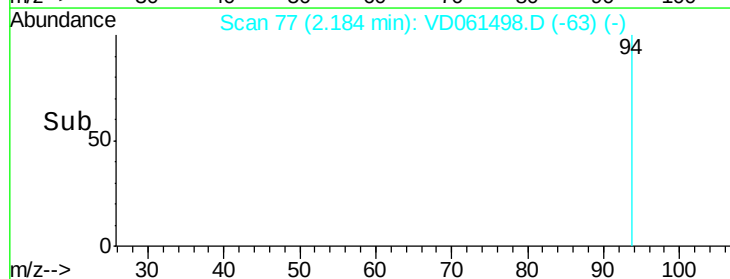
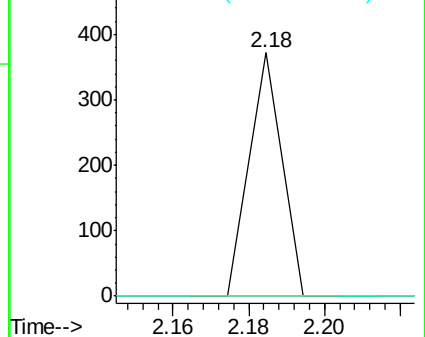
93 100.0 15.6 23.4#

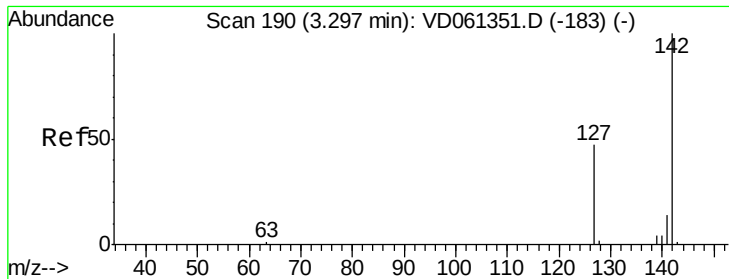


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

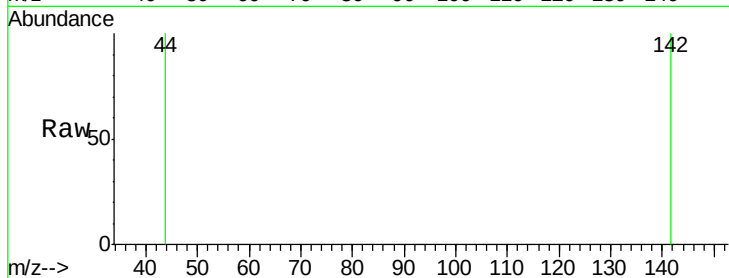




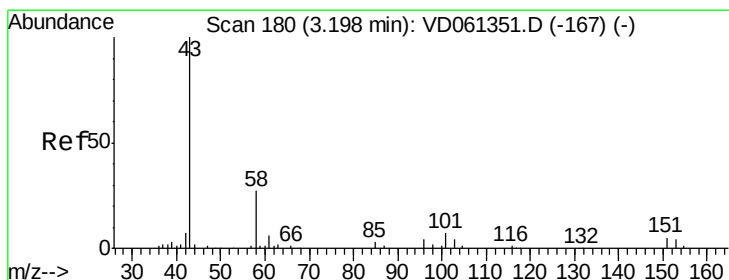
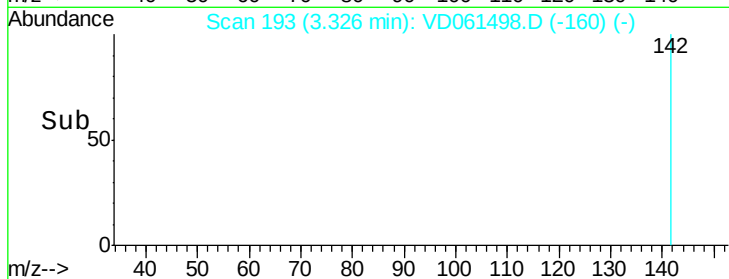
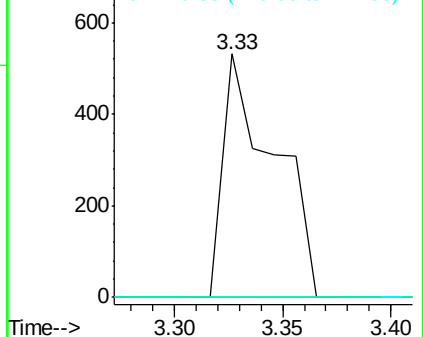
#10
Methvl Iodide
Concen: 6.340 ug/l
RT: 3.33 min Scan# 193
Delta R.T. 0.03 min
Lab File: VD061498.D
Acq: 2 Apr 2019 6:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:142 Resp: 873
Ion Ratio Lower Upper
142 100
127 0.0 37.7 56.5#
141 0.0 11.5 17.3#

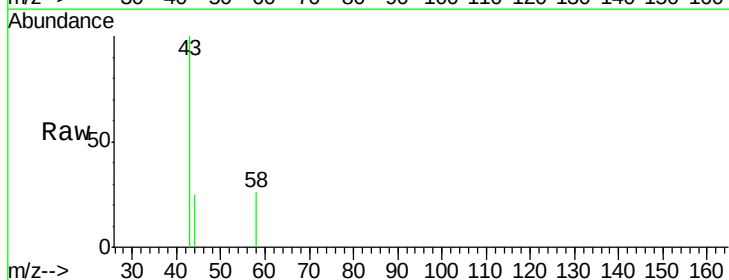


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

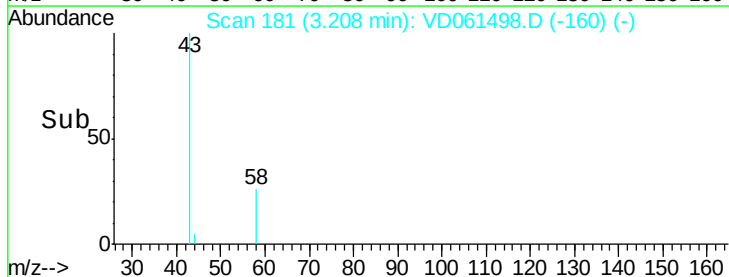
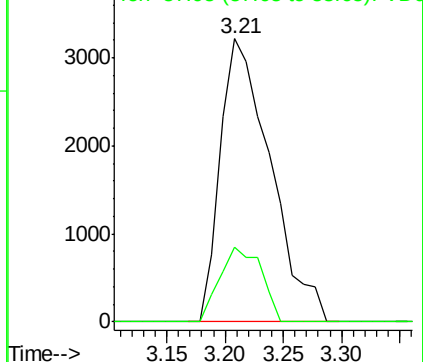


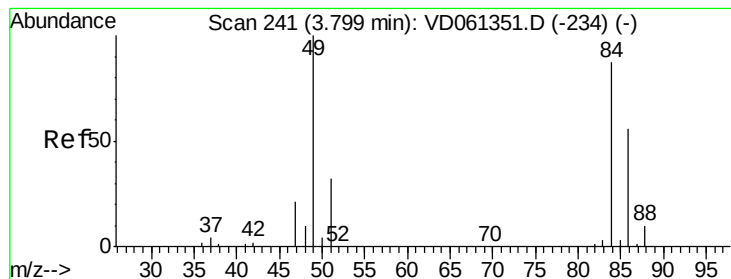
#16
Acetone
Concen: 293.442 ug/l
RT: 3.21 min Scan# 181
Delta R.T. 0.01 min
Lab File: VD061498.D
Acq: 2 Apr 2019 6:44

Tgt Ion: 43 Resp: 9584
Ion Ratio Lower Upper
43 100
58 26.4 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: 17.232 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD061498.D

Acq: 2 Apr 2019 6:44

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 3383

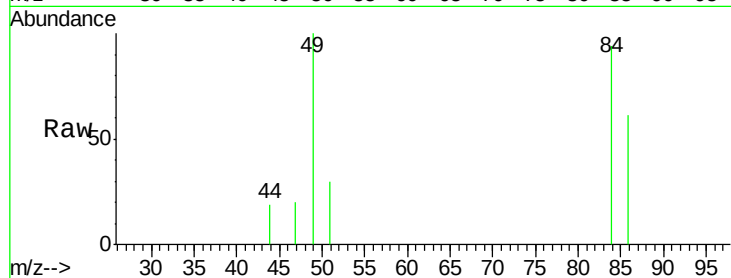
Ion Ratio Lower Upper

84 100

49 106.8 91.8 137.8

51 32.1 29.8 44.8

86 65.3 51.8 77.6

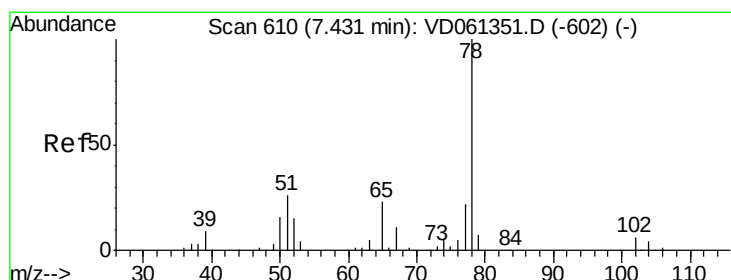
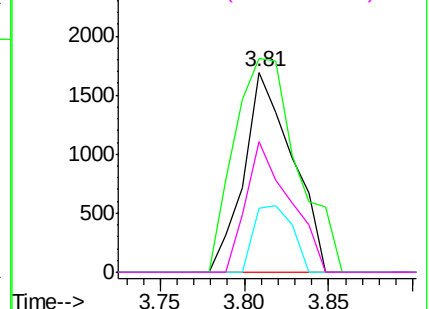
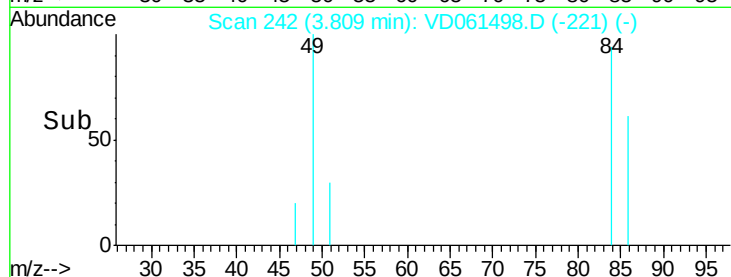


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061498.D

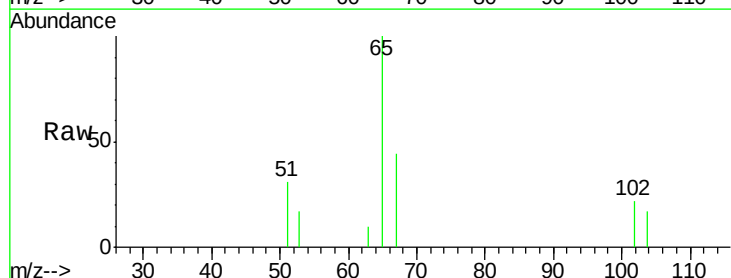
Acq: 2 Apr 2019 6:44

Tgt Ion: 65 Resp: 13087

Ion Ratio Lower Upper

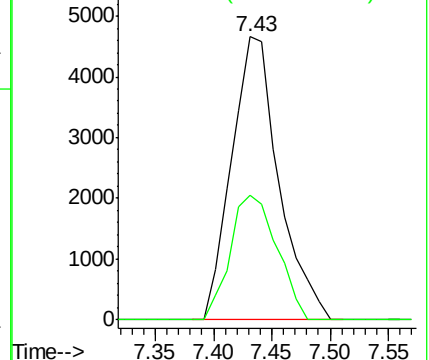
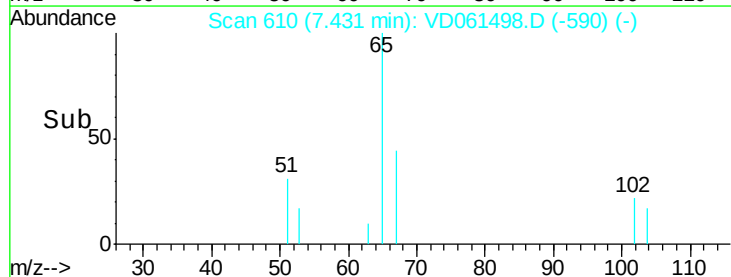
65 100

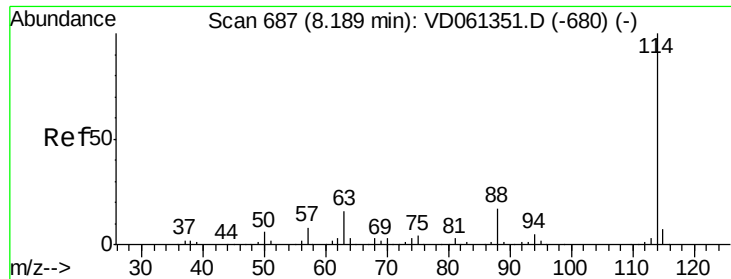
67 44.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

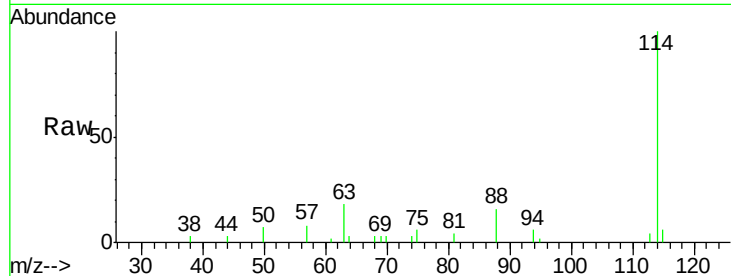




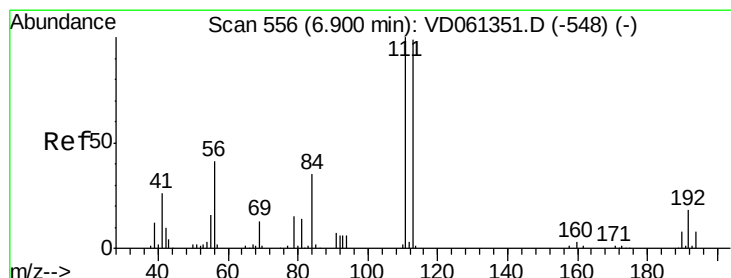
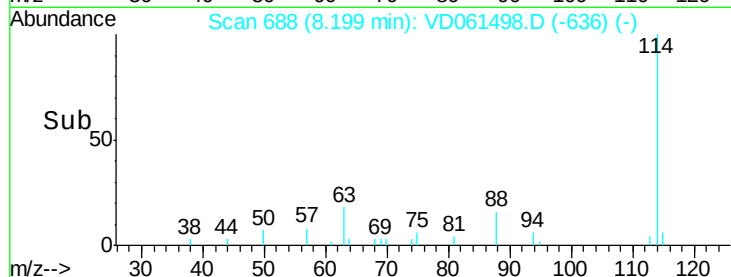
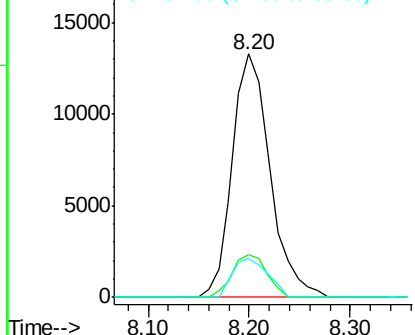
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD061498.D
 Acq: 2 Apr 2019 6:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 34674
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 31.6
 88 16.0 0.0 33.4

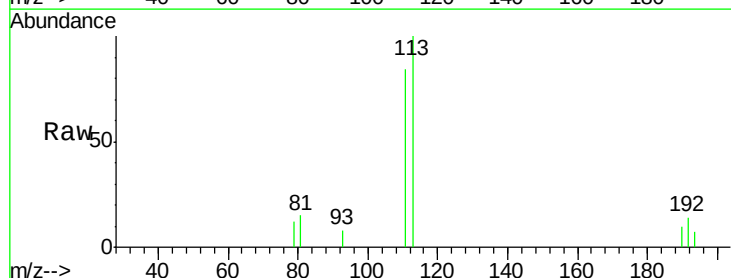


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

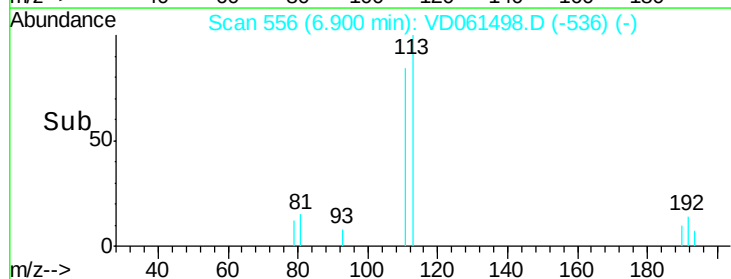
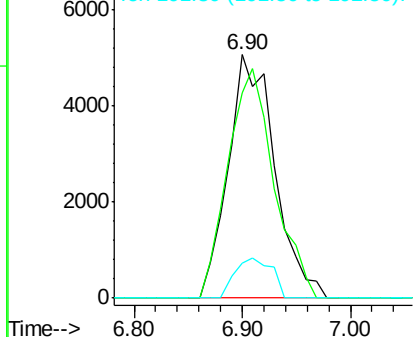


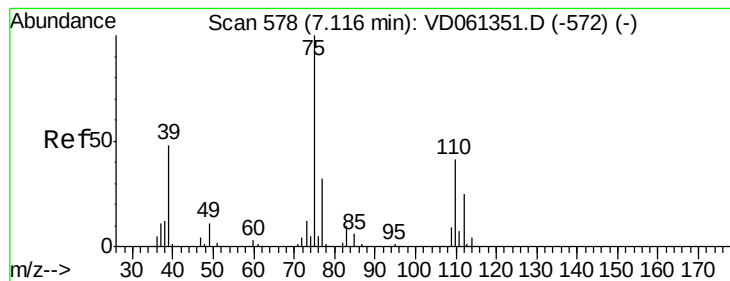
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. 0.00 min
 Lab File: VD061498.D
 Acq: 2 Apr 2019 6:44

Tgt Ion:113 Resp: 15064
 Ion Ratio Lower Upper
 113 100
 111 84.2 81.0 121.6
 192 14.4 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: 1.738 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061498.D

Acq: 2 Apr 2019 6:44

Instrument :

MSVOA_D

ClientSampled :

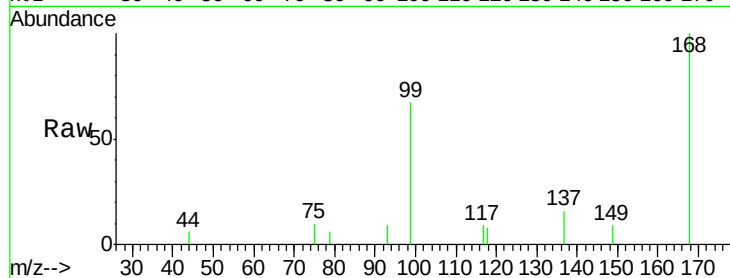
Tot Ion: 75 Resp: 526

Ion Ratio Lower Upper

75 100

110 0.0 20.4 61.3#

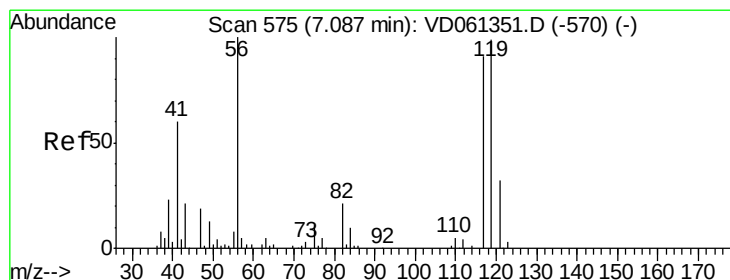
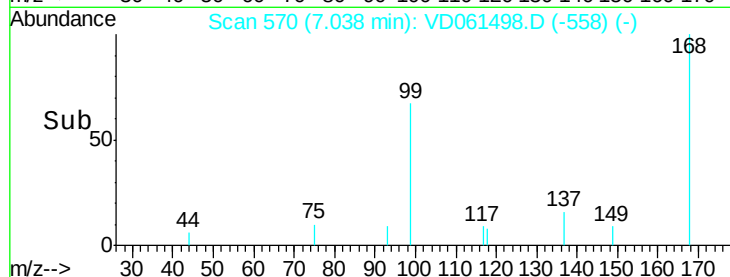
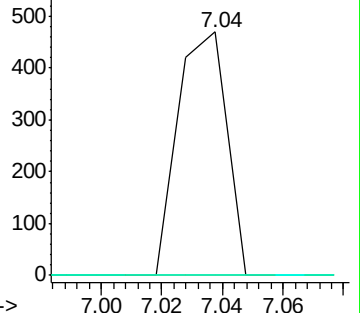
77 0.0 24.9 37.3#



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: 1.357 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD061498.D

Acq: 2 Apr 2019 6:44

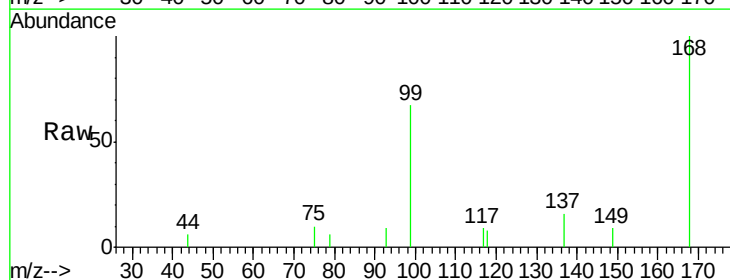
Tgt Ion: 117 Resp: 472

Ion Ratio Lower Upper

117 100

119 0.0 80.1 120.1#

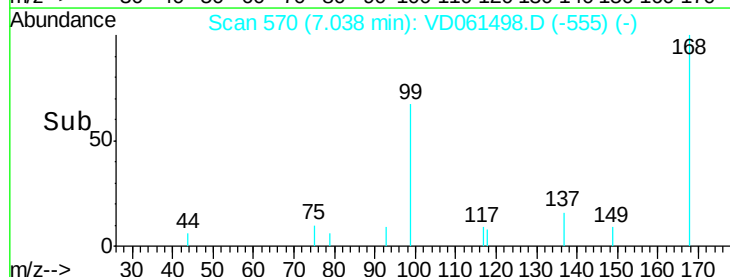
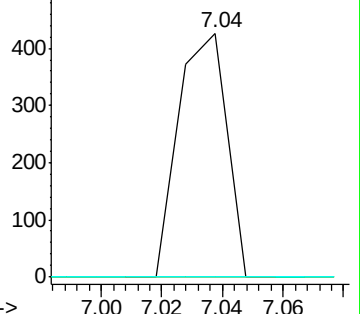
121 0.0 25.6 38.4#

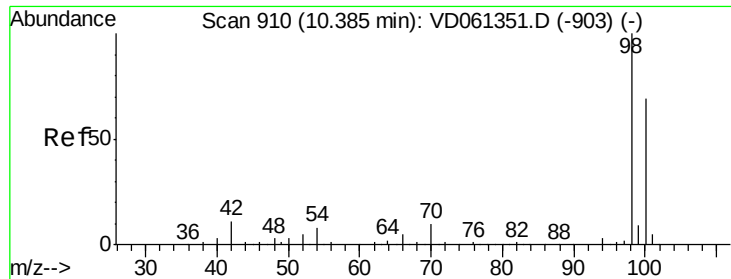


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

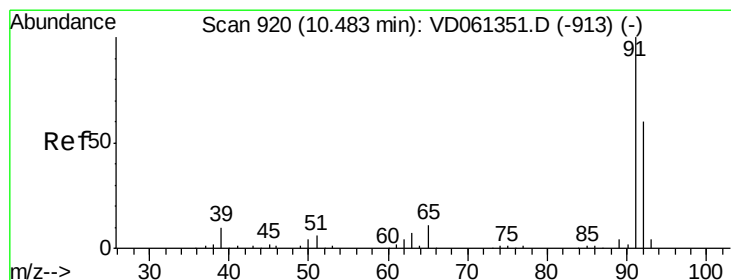
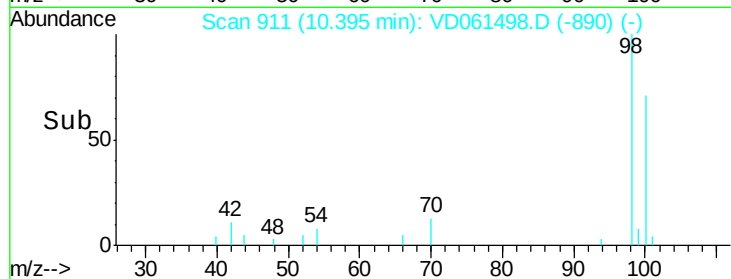
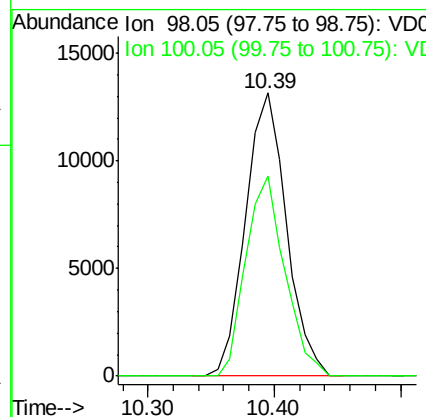
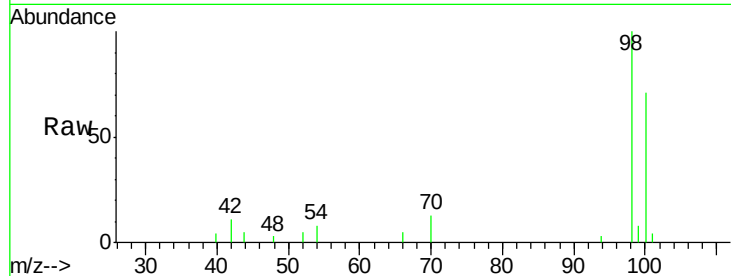




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061498.D
Acq: 2 Apr 2019 6:44

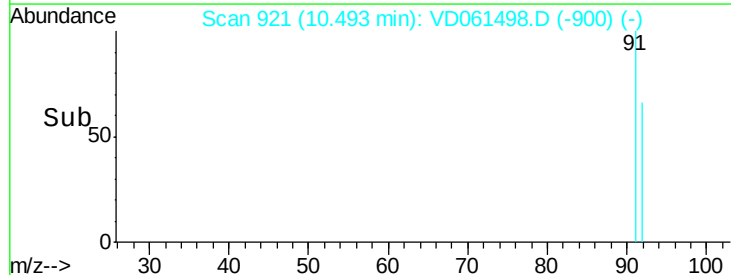
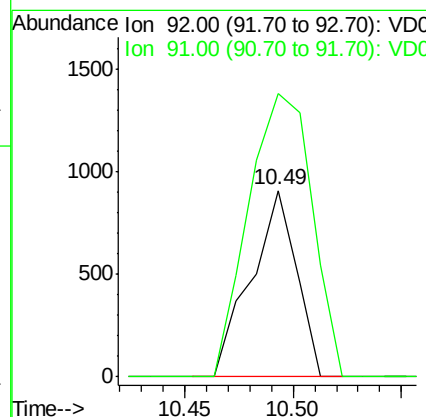
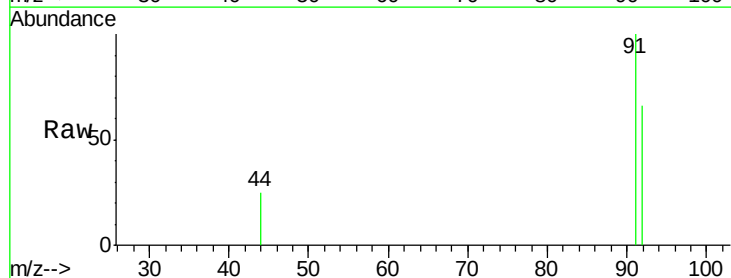
Instrument :
MSVOA_D
ClientSampleId :

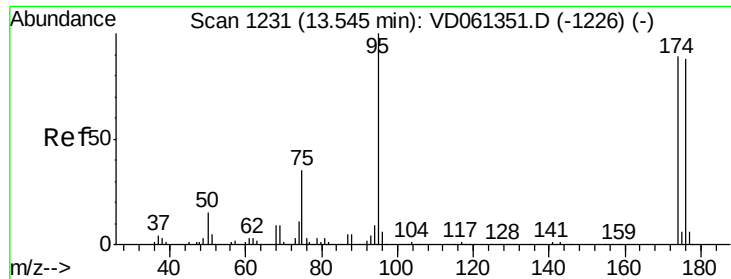
Tot Ion: 98 Resp: 29639
Ion Ratio Lower Upper
98 100
100 70.6 56.2 84.2



#52
Toluene
Concen: 2.855 ug/l
RT: 10.49 min Scan# 921
Delta R.T. 0.01 min
Lab File: VD061498.D
Acq: 2 Apr 2019 6:44

Tgt Ion: 92 Resp: 1323
Ion Ratio Lower Upper
92 100
91 152.0 133.3 199.9

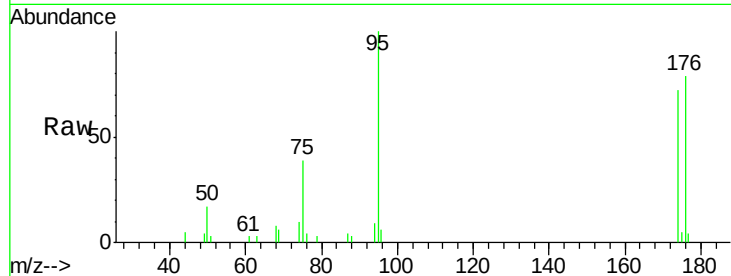




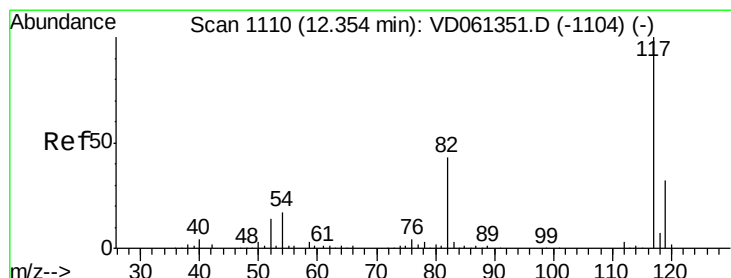
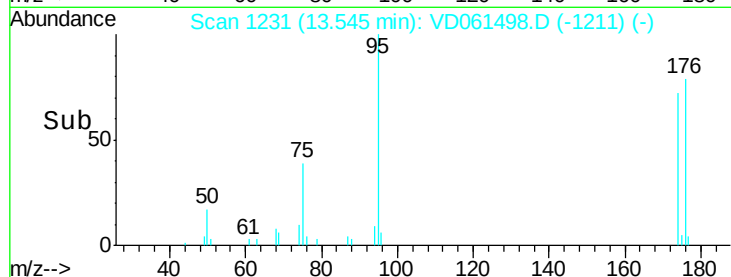
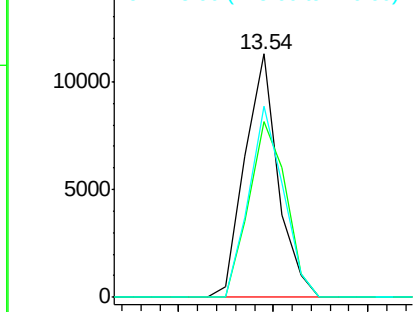
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD061498.D
Acq: 2 Apr 2019 6:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 13703
Ion Ratio Lower Upper
95 100
174 72.1 0.0 178.0
176 78.6 0.0 175.0

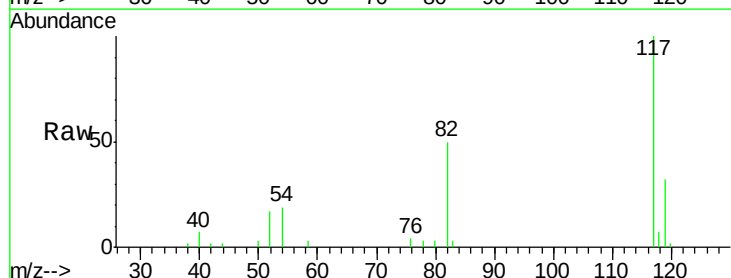


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

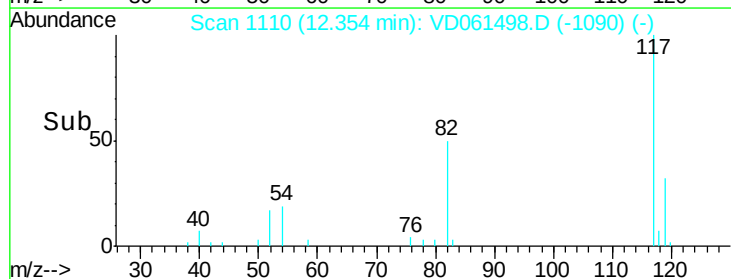
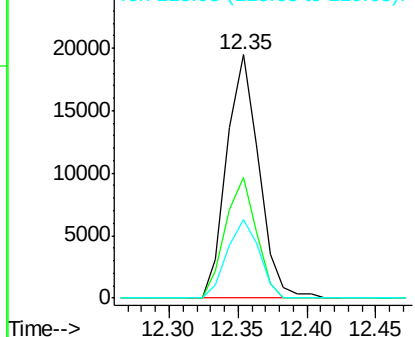


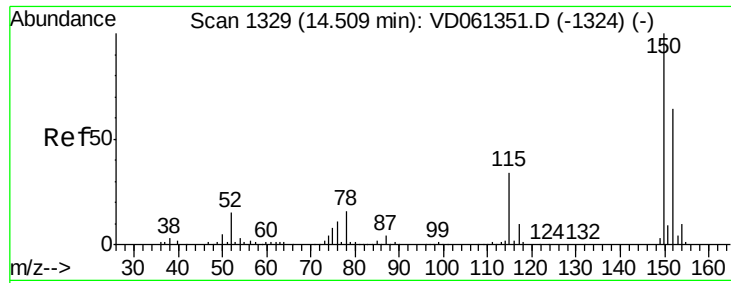
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061498.D
Acq: 2 Apr 2019 6:44

Tgt Ion: 117 Resp: 31675
Ion Ratio Lower Upper
117 100
82 49.8 34.4 51.6
119 32.2 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

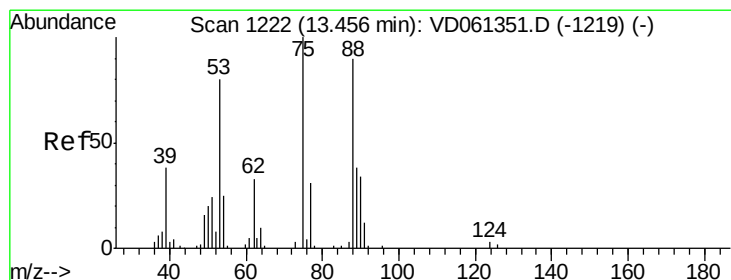
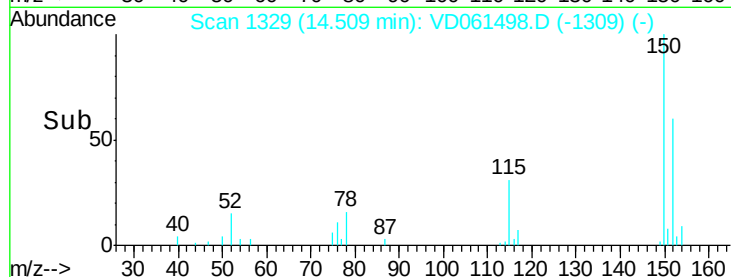
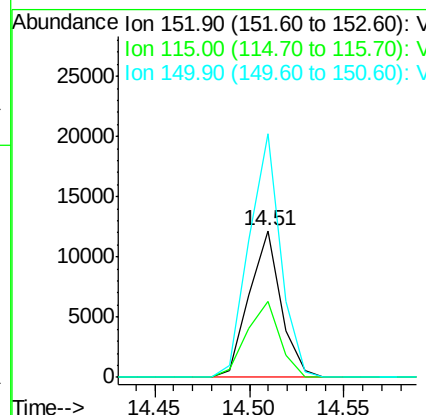
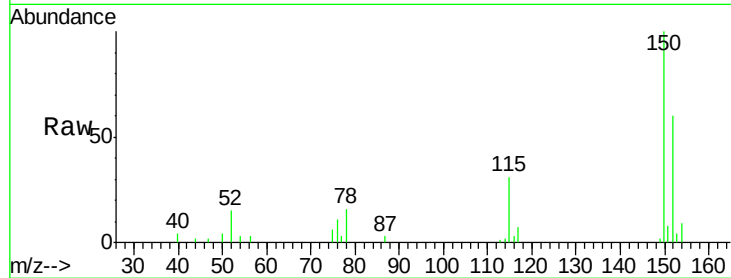




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. 0.00 min
 Lab File: VD061498.D
 Acq: 2 Apr 2019 6:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 14162
 Ion Ratio Lower Upper
 152 100
 115 51.5 26.9 80.6
 150 166.3 0.0 318.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.373 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.09 min
 Lab File: VD061498.D
 Acq: 2 Apr 2019 6:44

Tgt Ion: 75 Resp: 5138
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

