

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
 Data File : VD061788.D
 Acq On : 12 Apr 2019 19:54
 Operator : VA/AP
 Sample : K2361-02
 Misc : 4.87g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 23:18:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

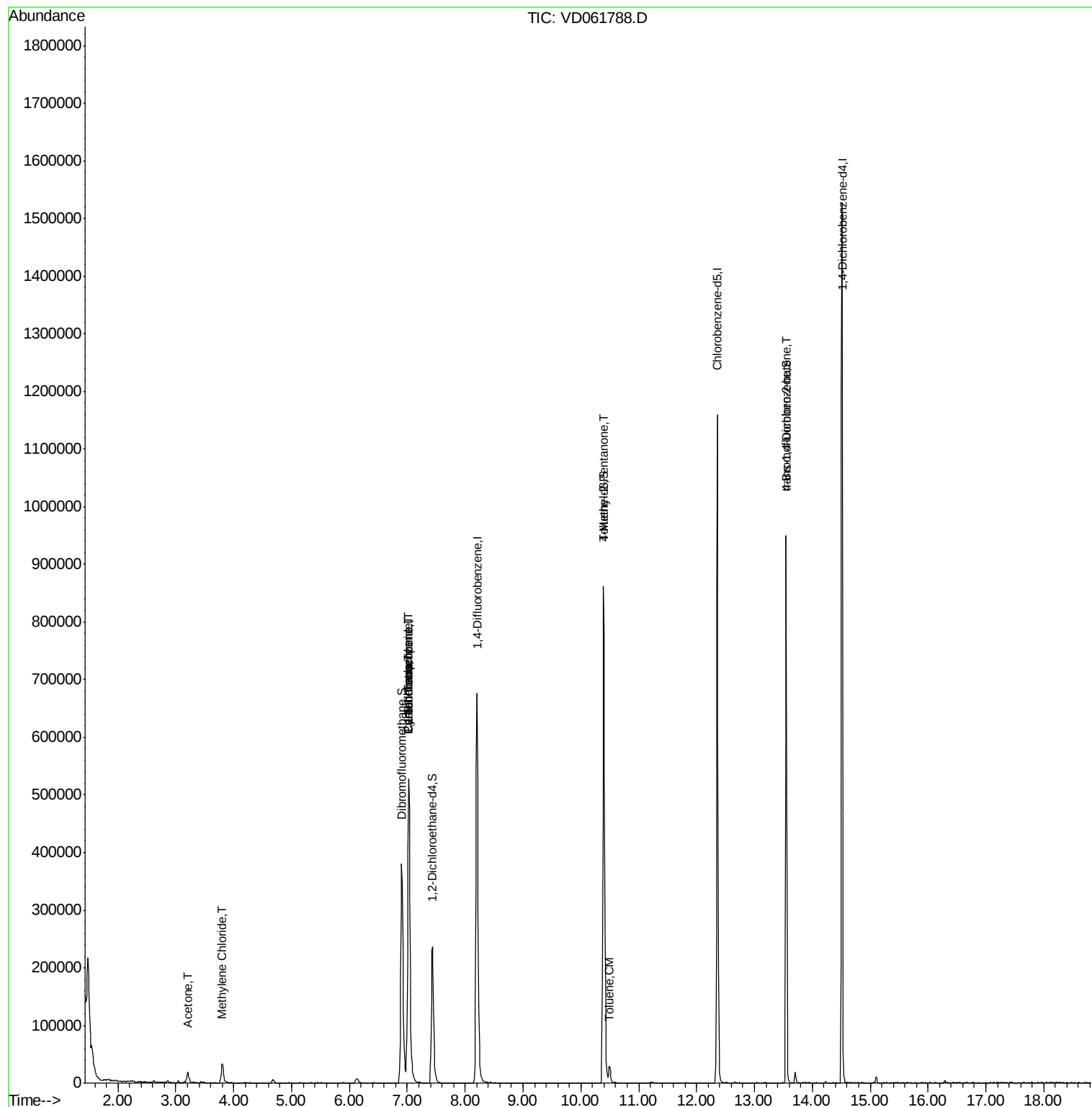
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	515521	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	797226	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	690183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	365961	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	253741	64.93	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	129.86%	
35) Dibromofluoromethane	6.90	113	356161	64.49	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	128.98%	
50) Toluene-d8	10.39	98	756923	54.55	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.10%	
62) 4-Bromofluorobenzene	13.55	95	295547	64.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.76%	
Target Compounds						
					Qvalue	
16) Acetone	3.20	43	39712	33.997	ug/l	95
20) Methylene Chloride	3.80	84	25164	3.796	ug/l #	88
31) Cyclohexane	7.02	56	8547	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	38802	5.561	ug/l #	47
38) Carbon Tetrachloride	7.02	117	50761	6.208	ug/l #	15
51) 4-Methyl-2-Pentanone	10.40	43	3237	1.327	ug/l #	1
52) Toluene	10.50	92	15388	1.464	ug/l	83
81) trans-1,4-Dichloro-2-buten	13.55	75	111136	73.558	ug/l #	20

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD061788.D

Acq: 12 Apr 2019 19:54

Instrument :

MSVOA_D

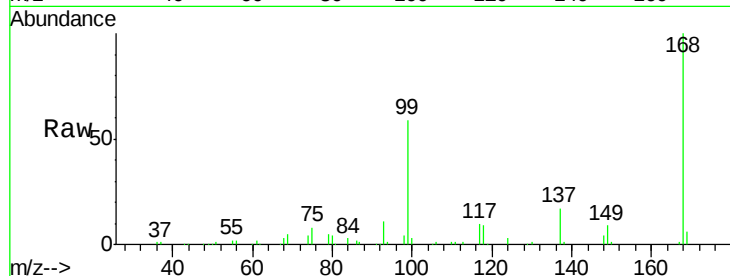
ClientSampleId :

Tot Ion:168 Resp: 515521

Ion Ratio Lower Upper

168 100

99 59.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

200000

150000

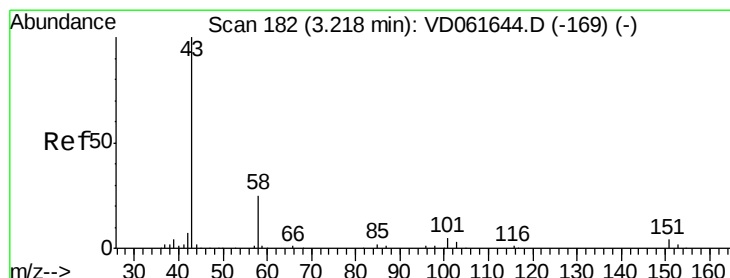
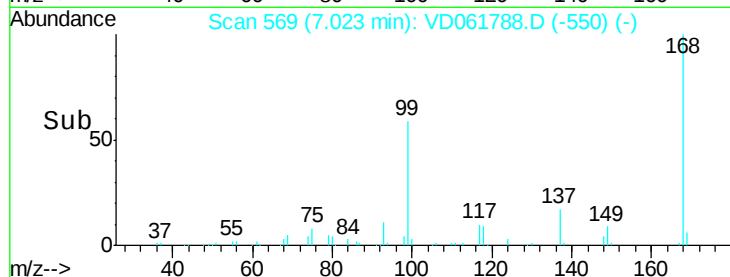
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 33.997 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD061788.D

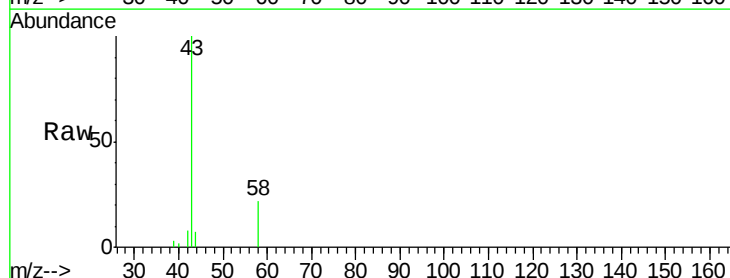
Acq: 12 Apr 2019 19:54

Tgt Ion: 43 Resp: 39712

Ion Ratio Lower Upper

43 100

58 22.3 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

15000

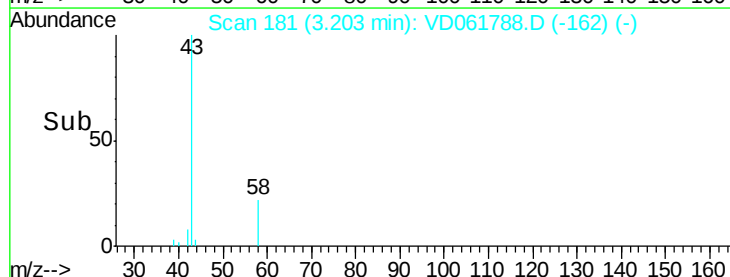
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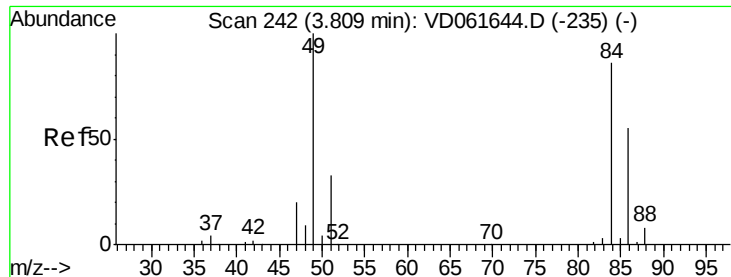
5000

0

3.10 3.20 3.30 3.40

Time-->

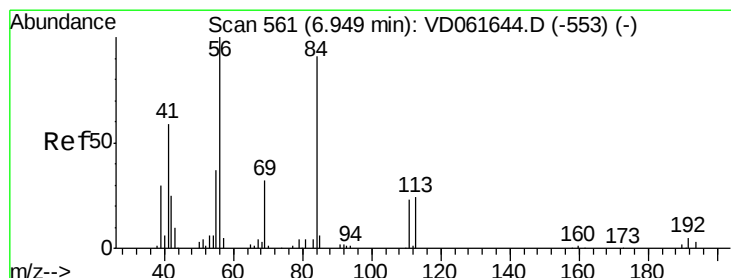
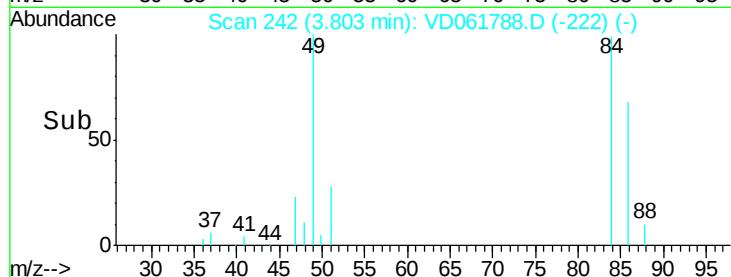
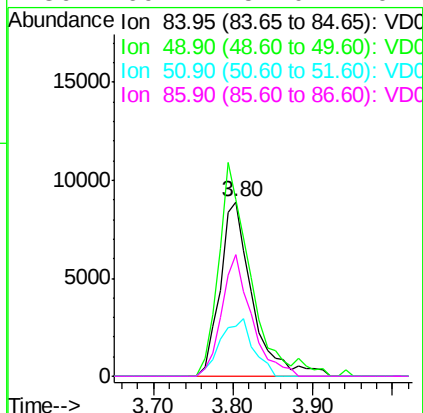
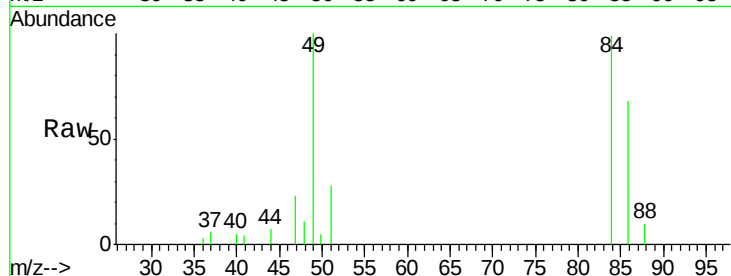




#20
Methvlene Chloride
Concen: 3.796 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.00 min
Lab File: VD061788.D
Acq: 12 Apr 2019 19:54

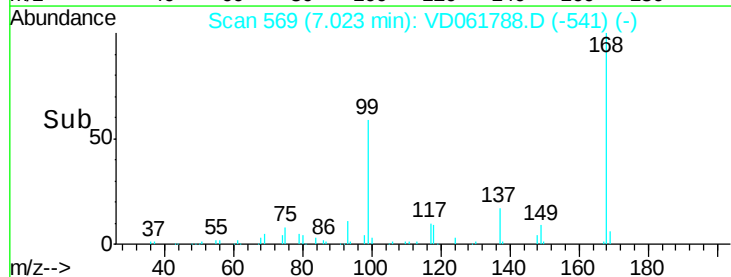
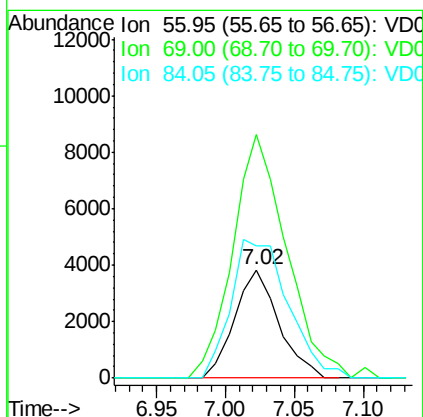
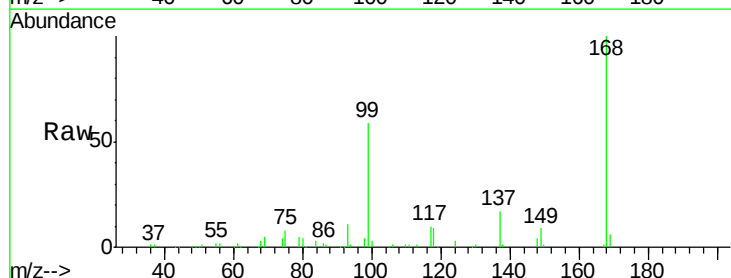
Instrument :
MSVOA_D
ClientSampleId :

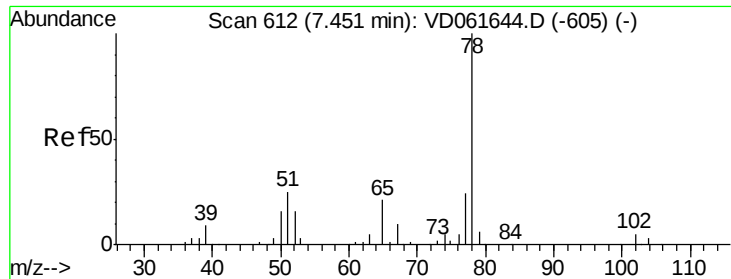
Tot Ion: 84 Resp: 25164
Ion Ratio Lower Upper
84 100
49 101.4 93.0 139.4
51 28.4 30.4 45.6#
86 69.4 51.0 76.4



#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.07 min
Lab File: VD061788.D
Acq: 12 Apr 2019 19:54

Tgt Ion: 56 Resp: 8547
Ion Ratio Lower Upper
56 100
69 225.4 25.8 38.6#
84 122.3 74.2 111.2#

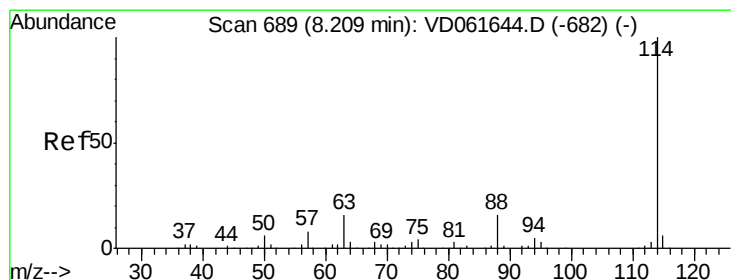
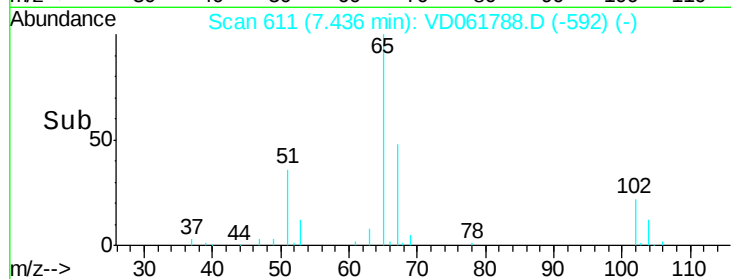
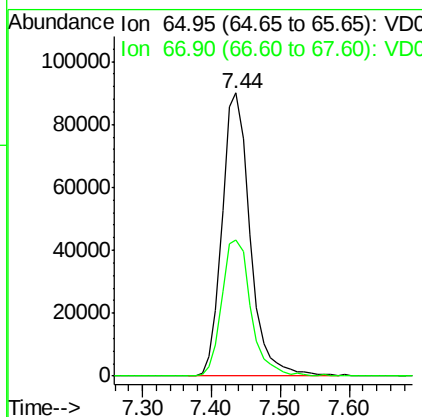
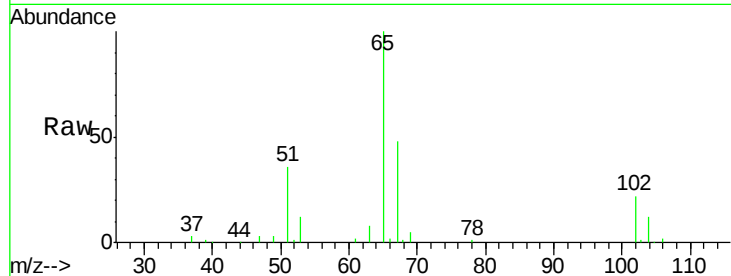




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD061788.D
 Acq: 12 Apr 2019 19:54

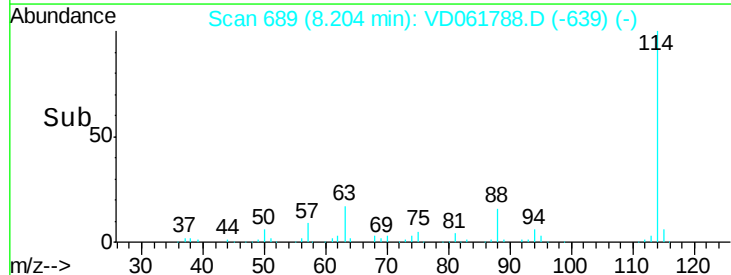
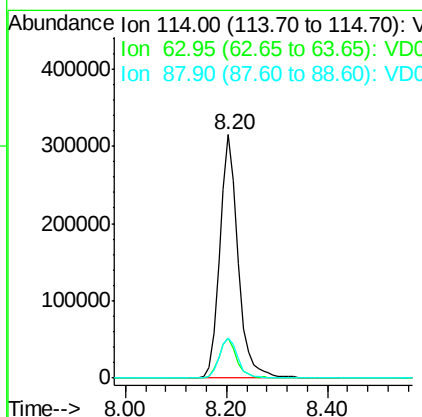
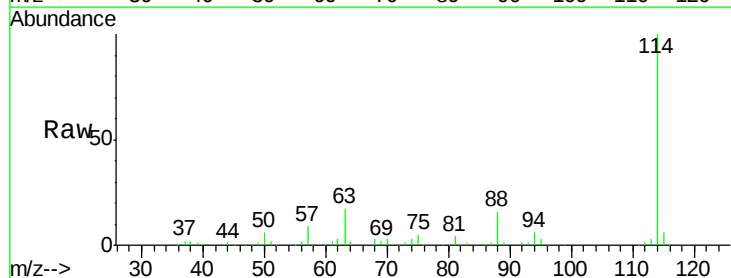
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 253741
 Ion Ratio Lower Upper
 65 100
 67 48.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061788.D
 Acq: 12 Apr 2019 19:54

Tgt Ion: 114 Resp: 797226
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 31.2
 88 16.2 0.0 31.8

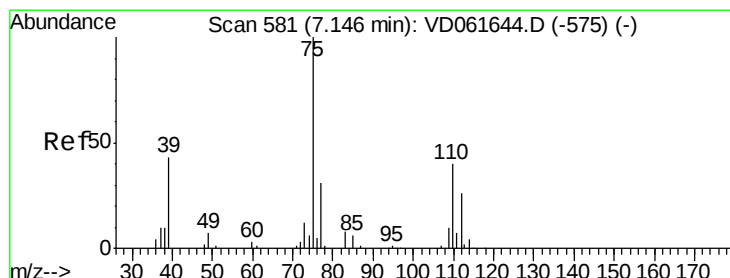
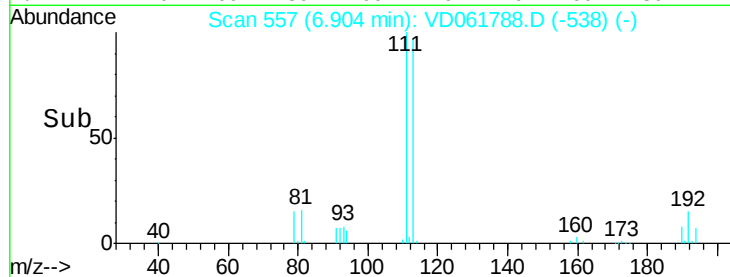
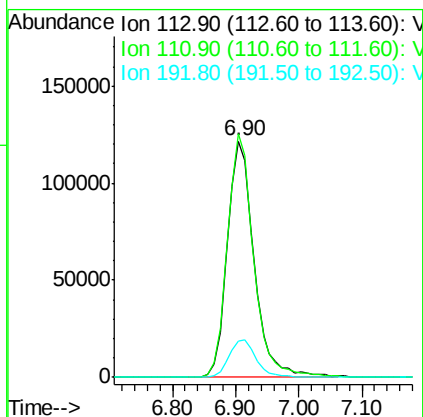
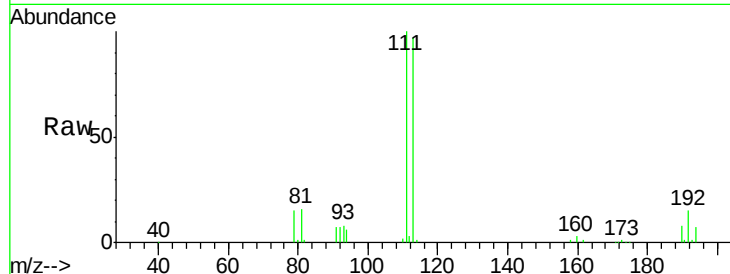




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD061788.D
 Acq: 12 Apr 2019 19:54

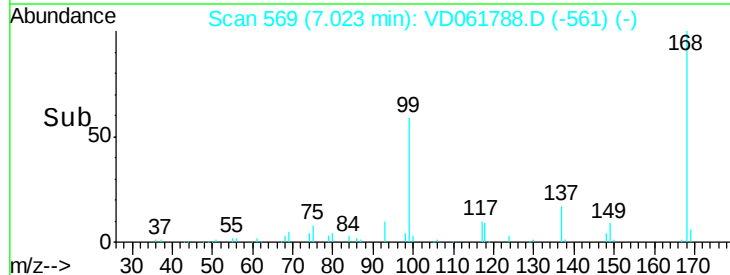
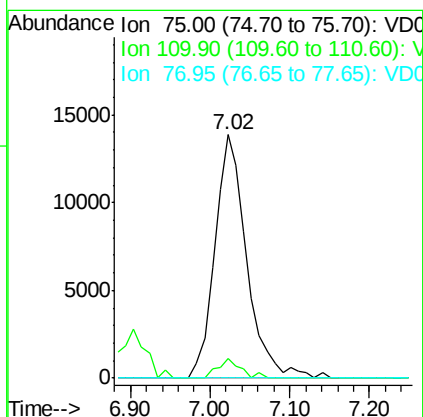
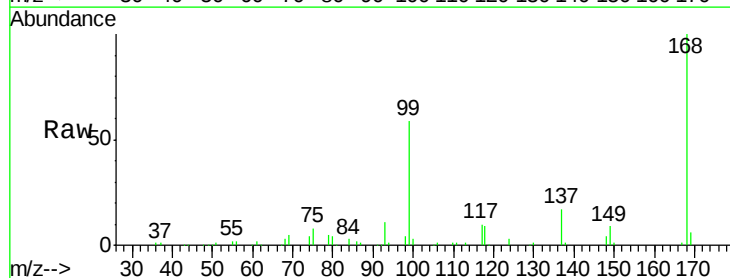
Instrument :
 MSVOA_D
 ClientSampleId :

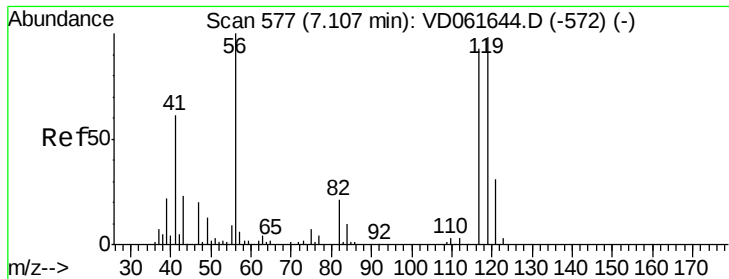
Tot Ion:113 Resp: 356161
 Ion Ratio Lower Upper
 113 100
 111 103.0 79.3 118.9
 192 15.1 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 5.561 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.12 min
 Lab File: VD061788.D
 Acq: 12 Apr 2019 19:54

Tgt Ion: 75 Resp: 38802
 Ion Ratio Lower Upper
 75 100
 110 8.2 19.7 59.0#
 77 0.0 24.8 37.2#

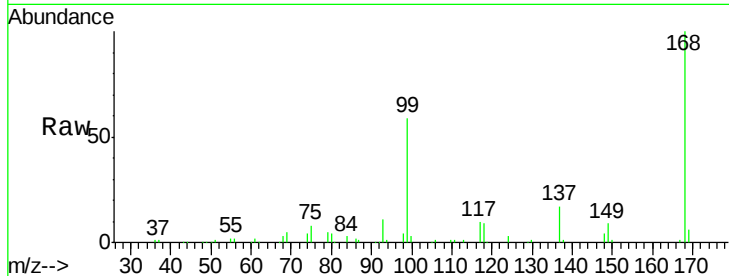




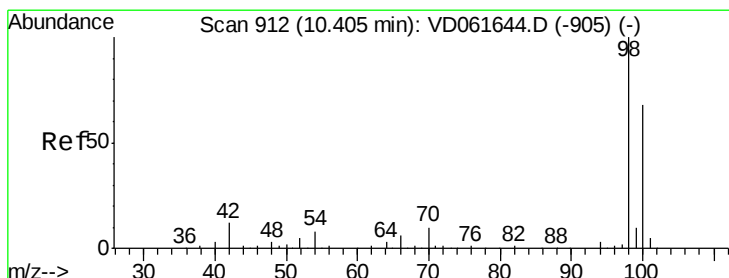
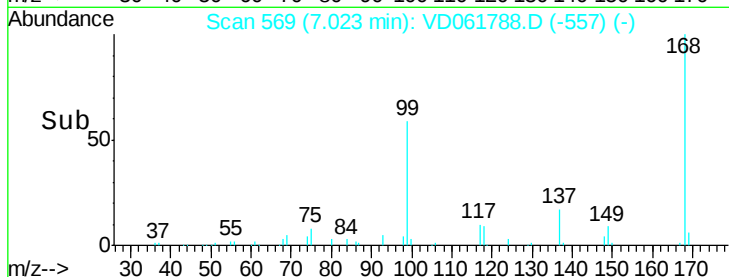
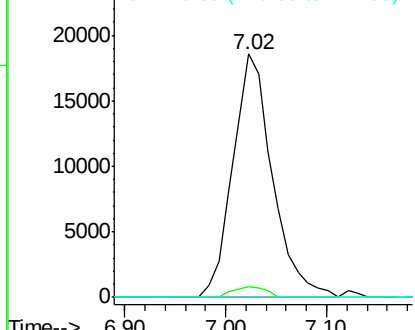
#38
Carbon Tetrachloride
Concen: 6.208 ug/l
RT: 7.02 min Scan# 569
Delta R.T. -0.08 min
Lab File: VD061788.D
Acq: 12 Apr 2019 19:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 50761
Ion Ratio Lower Upper
117 100
119 4.6 77.9 116.9#
121 0.0 24.7 37.1#

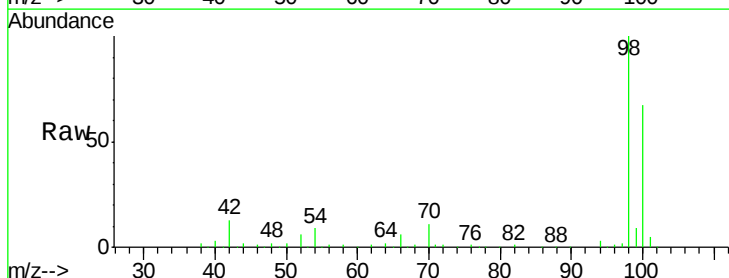


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

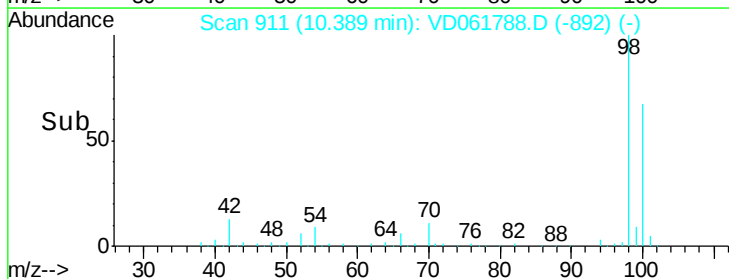
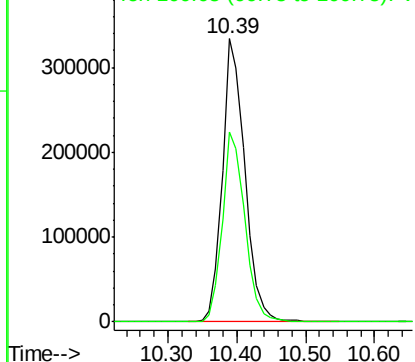


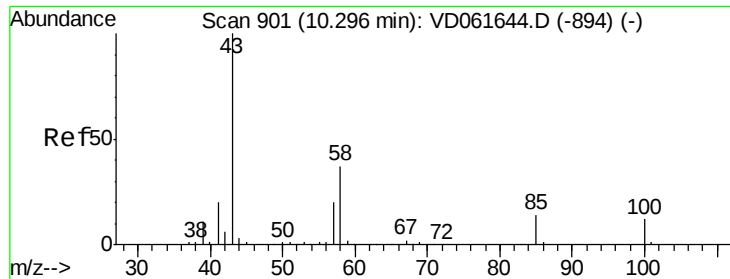
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD061788.D
Acq: 12 Apr 2019 19:54

Tgt Ion: 98 Resp: 756923
Ion Ratio Lower Upper
98 100
100 67.1 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.327 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD061788.D

Acq: 12 Apr 2019 19:54

Instrument :

MSVOA_D

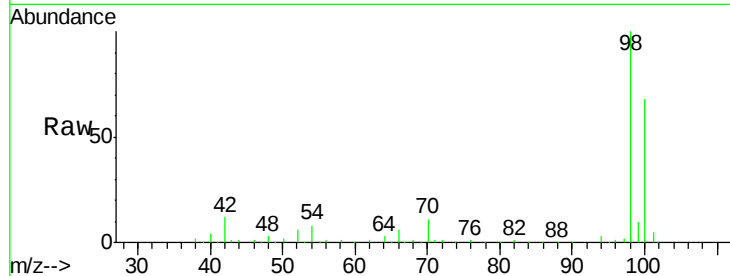
ClientSampleId :

Tot Ion: 43 Resp: 3237

Ion Ratio Lower Upper

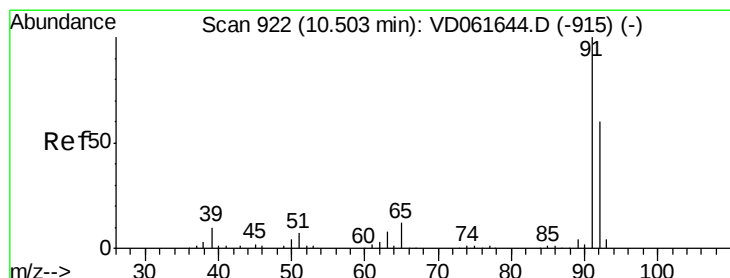
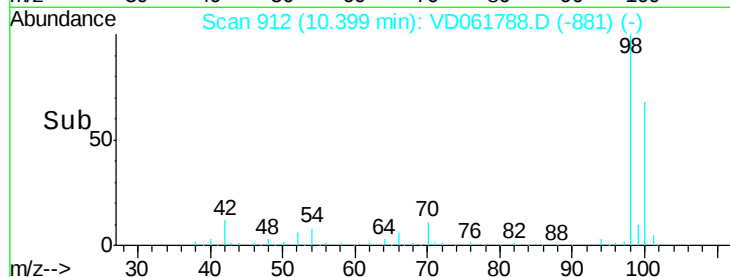
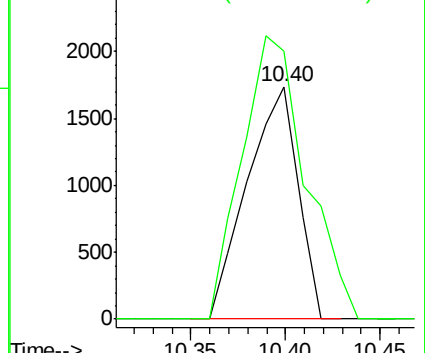
43 100

58 115.1 29.8 44.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 1.464 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061788.D

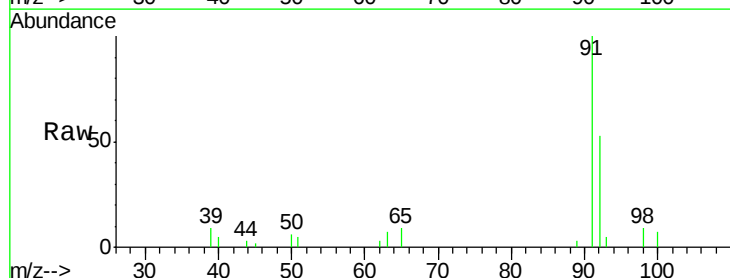
Acq: 12 Apr 2019 19:54

Tgt Ion: 92 Resp: 15388

Ion Ratio Lower Upper

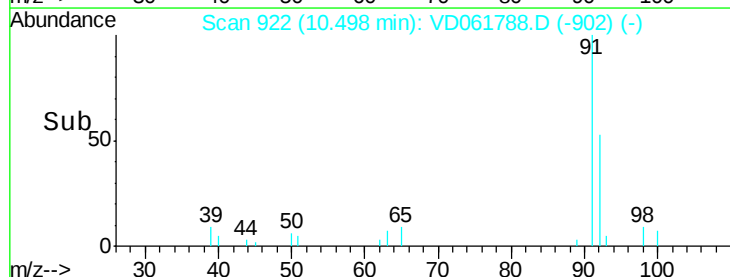
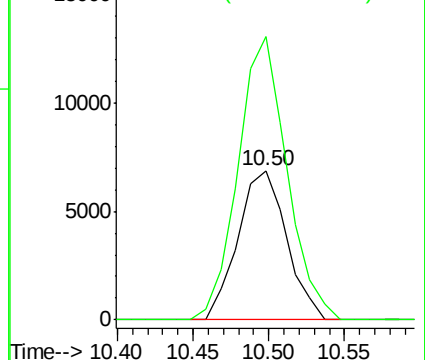
92 100

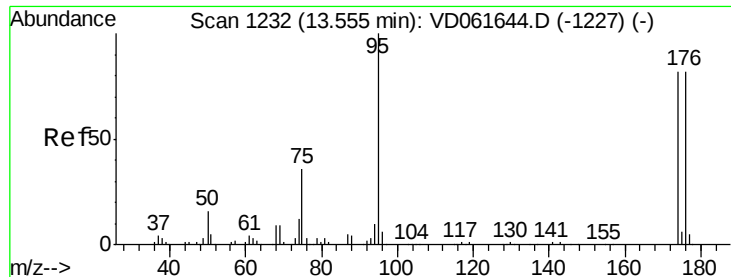
91 189.7 133.0 199.4



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: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061788.D

Acq: 12 Apr 2019 19:54

Instrument :

MSVOA_D

ClientSampleId :

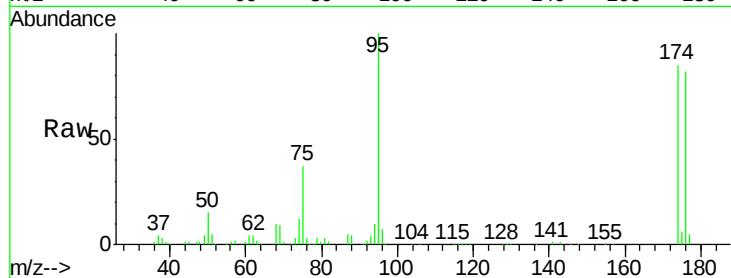
Tot Ion: 95 Resp: 295547

Ion Ratio Lower Upper

95 100

174 85.1 0.0 164.6

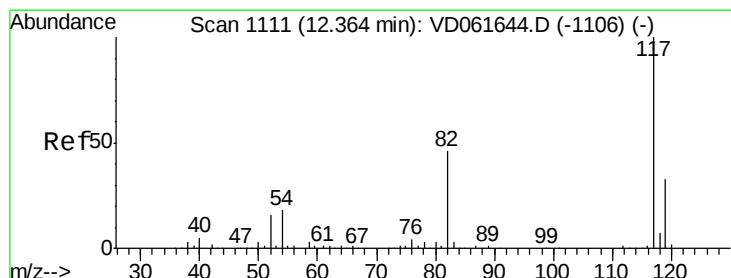
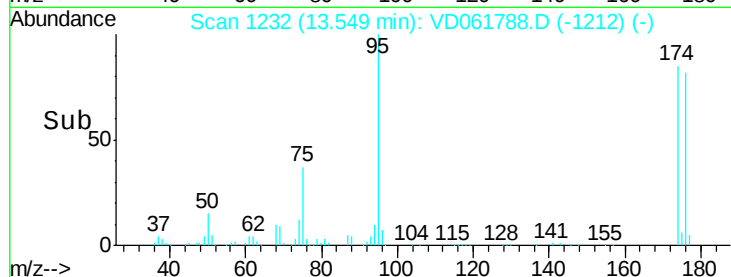
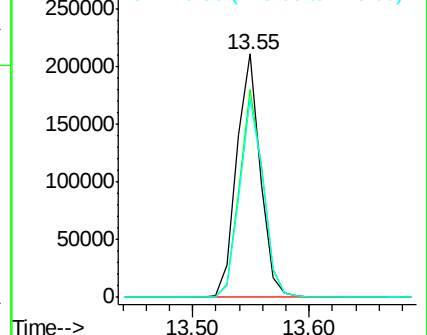
176 81.9 0.0 165.0



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: 12.36 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD061788.D

Acq: 12 Apr 2019 19:54

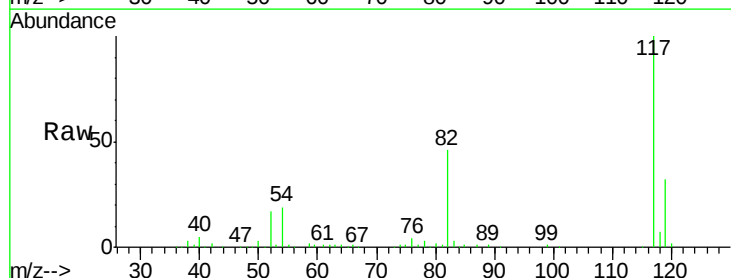
Tgt Ion: 117 Resp: 690183

Ion Ratio Lower Upper

117 100

82 46.4 36.8 55.2

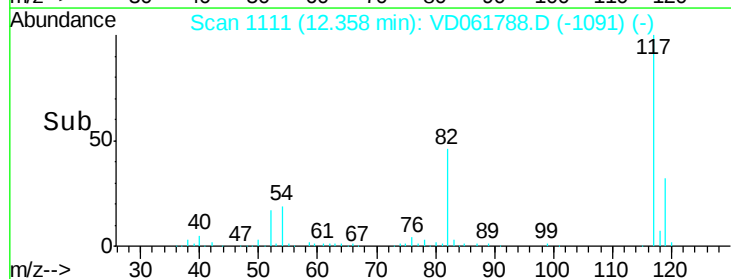
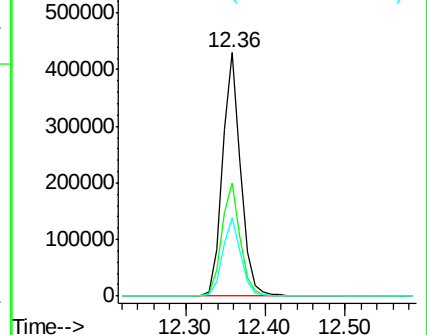
119 32.0 26.1 39.1

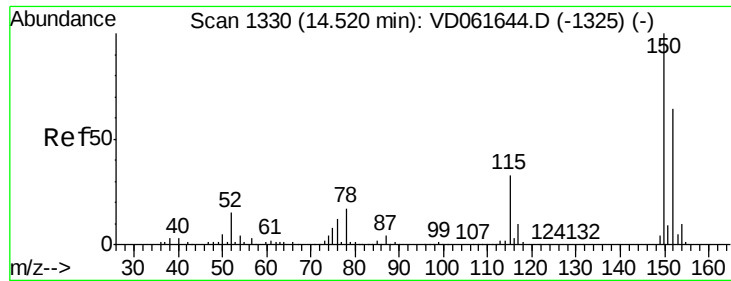


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. -0.01 min

Lab File: VD061788.D

Acq: 12 Apr 2019 19:54

Instrument :

MSVOA_D

ClientSampleId :

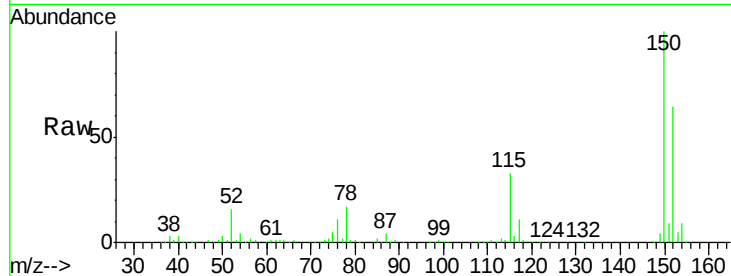
Tot Ion:152 Resp: 365961

Ion Ratio Lower Upper

152 100

115 51.4 26.4 79.2

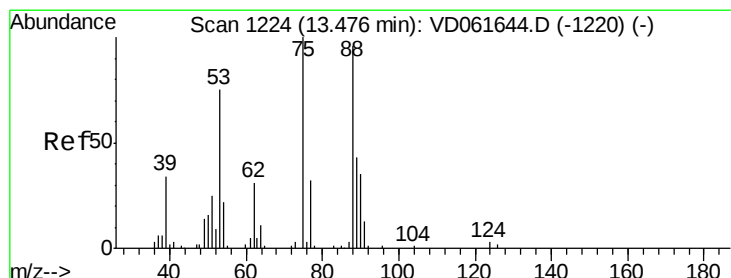
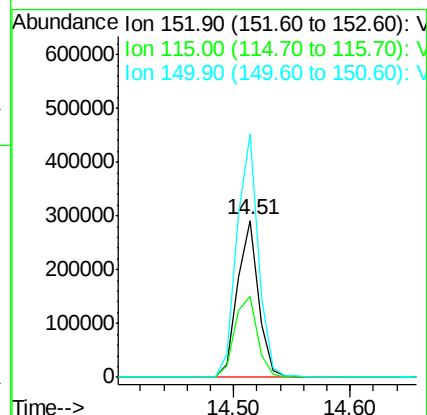
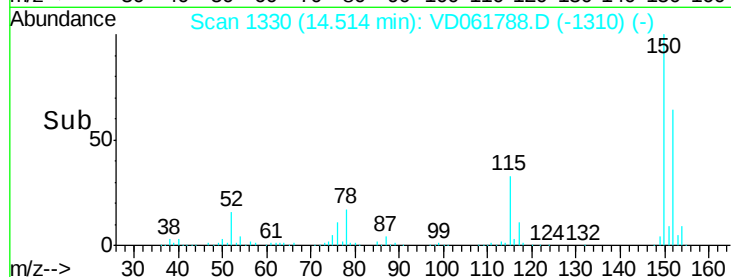
150 155.2 0.0 320.6



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: 73.558 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD061788.D

Acq: 12 Apr 2019 19:54

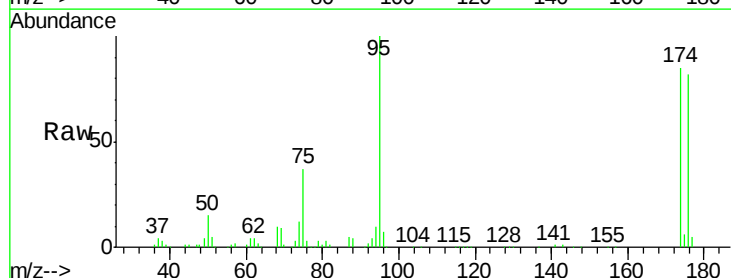
Tgt Ion: 75 Resp: 111136

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#



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

