

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061499.D
 Acq On : 2 Apr 2019 7:12
 Operator : VA/AP
 Sample : K2180-14
 Misc : 5.28g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 08:08:00 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

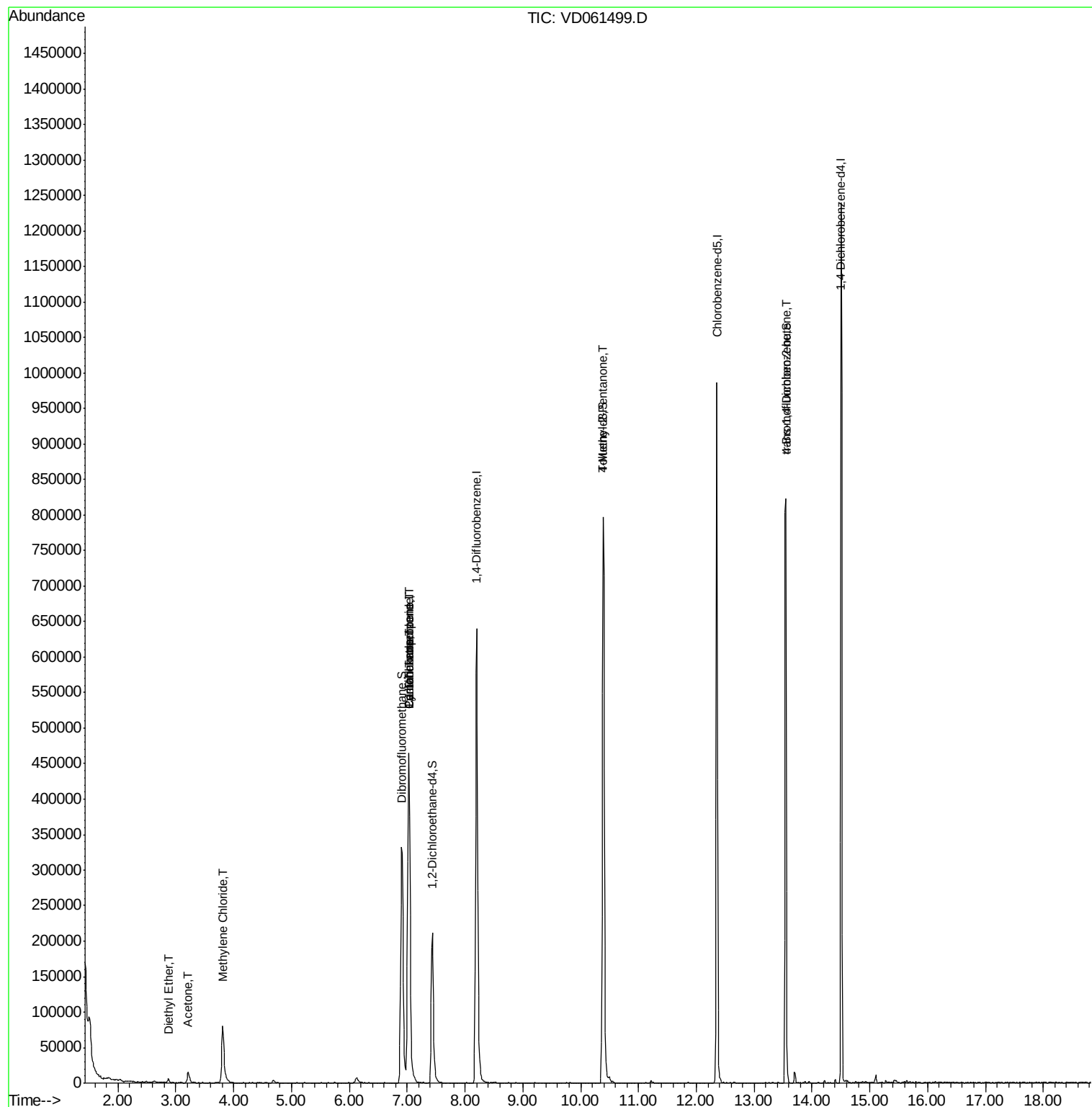
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	486764	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	806818	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	639558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	294139	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	221749	53.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.66%	
35) Dibromofluoromethane	6.90	113	324856	52.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.38%	
50) Toluene-d8	10.39	98	711614	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	13.54	95	283977	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.87	74	2114	1.160	ug/l	97
16) Acetone	3.21	43	33945	31.756	ug/l	98
20) Methylene Chloride	3.81	84	65798	9.430	ug/l	99
31) Cyclohexane	7.02	56	9063	1.265	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	37026	5.258	ug/l #	44
38) Carbon Tetrachloride	7.03	117	47146	5.827	ug/l #	15
51) 4-Methyl-2-Pentanone	10.39	43	3142	1.179	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	109377	84.429	ug/l #	18

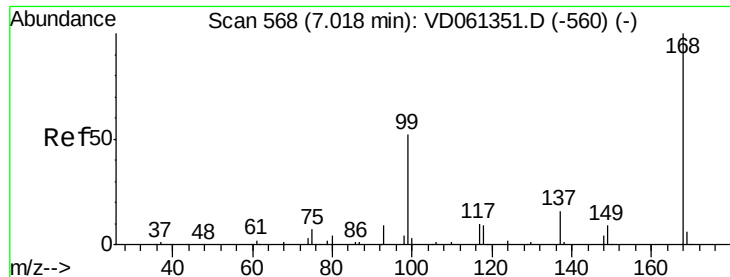
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD061499.D

Acq: 2 Apr 2019 7:12

Instrument :

MSVOA_D

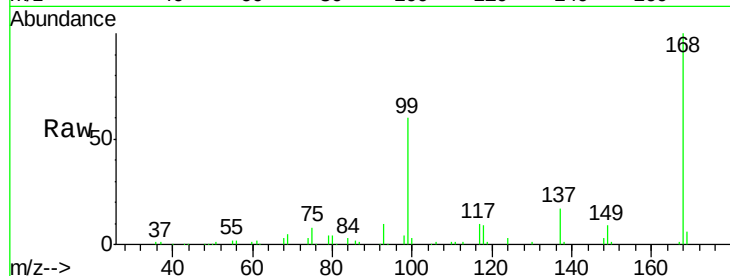
ClientSampleId :

Tot Ion:168 Resp: 486764

Ion Ratio Lower Upper

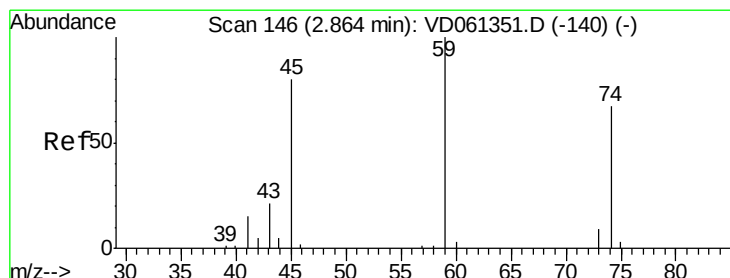
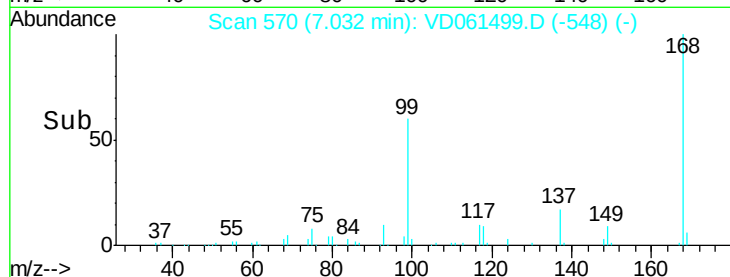
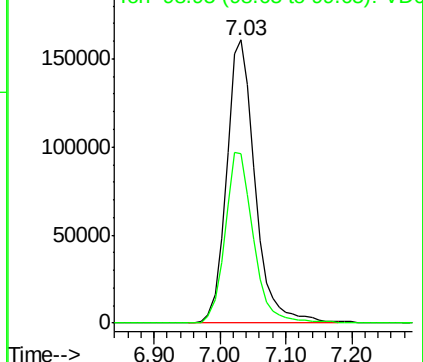
168 100

99 59.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.160 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.00 min

Lab File: VD061499.D

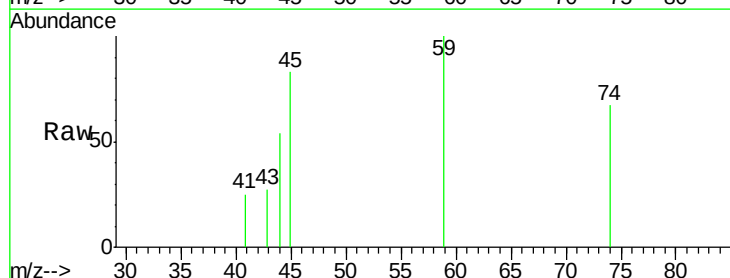
Acq: 2 Apr 2019 7:12

Tgt Ion: 74 Resp: 2114

Ion Ratio Lower Upper

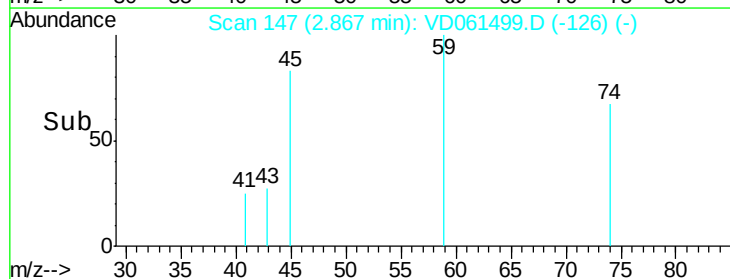
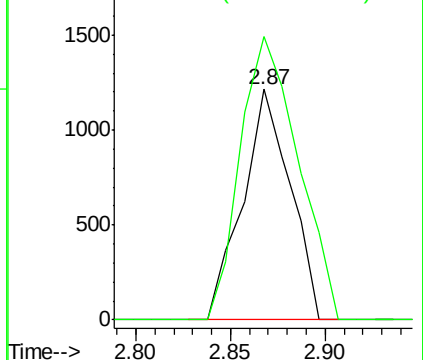
74 100

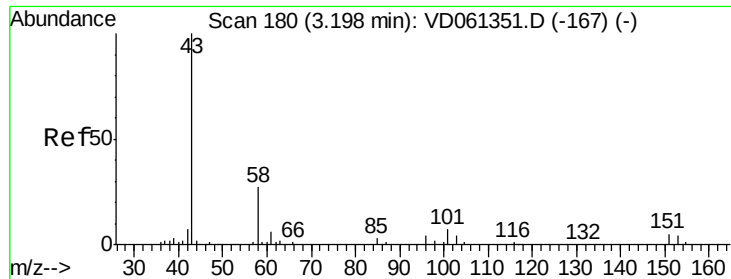
45 122.8 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 31.756 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061499.D

Acq: 2 Apr 2019 7:12

Instrument :

MSVOA_D

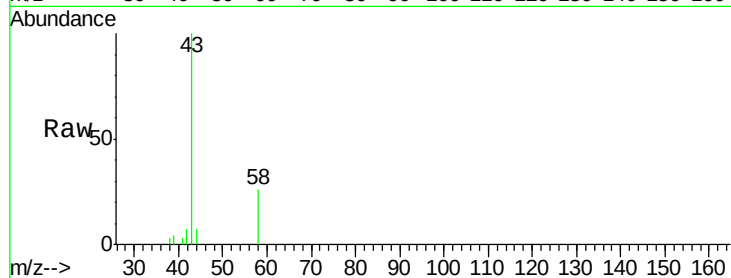
ClientSampleId :

Tot Ion: 43 Resp: 33945

Ion Ratio Lower Upper

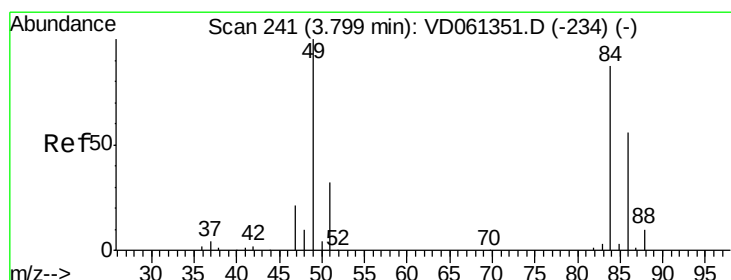
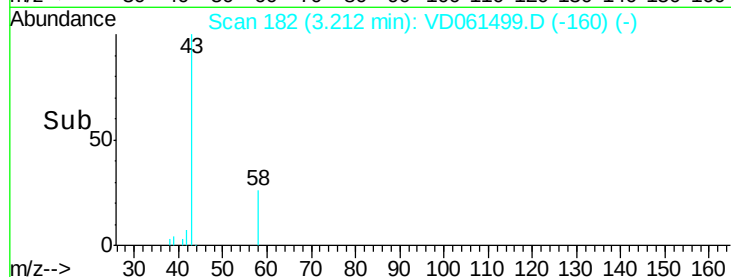
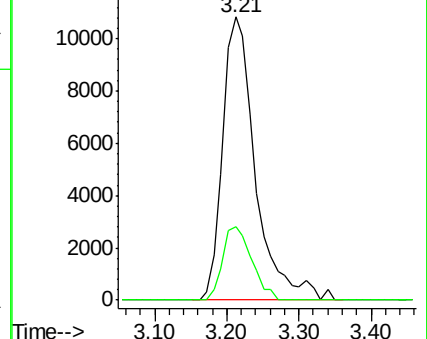
43 100

58 25.9 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: 9.430 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD061499.D

Acq: 2 Apr 2019 7:12

Tgt Ion: 84 Resp: 65798

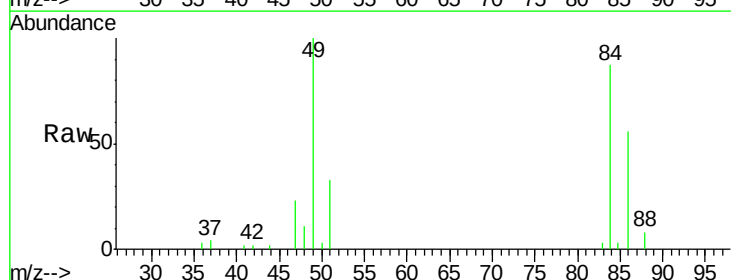
Ion Ratio Lower Upper

84 100

49 114.4 91.8 137.8

51 37.2 29.8 44.8

86 63.9 51.8 77.6

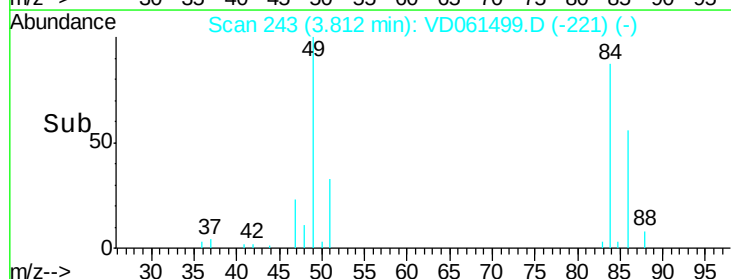
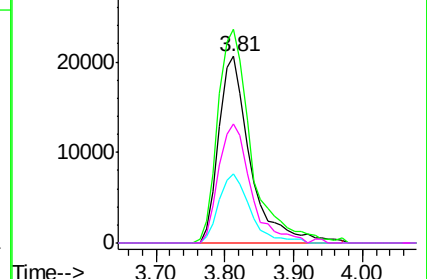


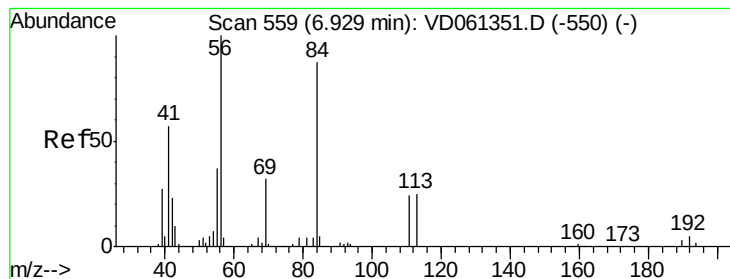
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.265 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD061499.D

Acq: 2 Apr 2019 7:12

Instrument :
MSVOA_D
ClientSampleId :

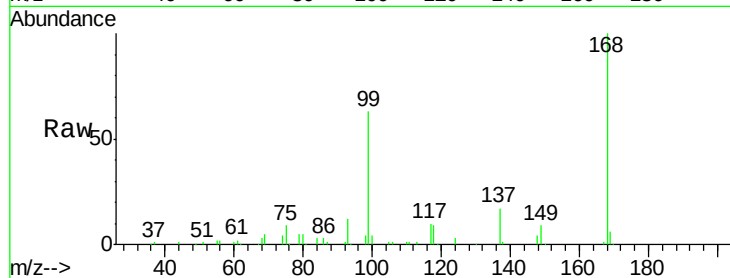
Tot Ion: 56 Resp: 9063

Ion Ratio Lower Upper

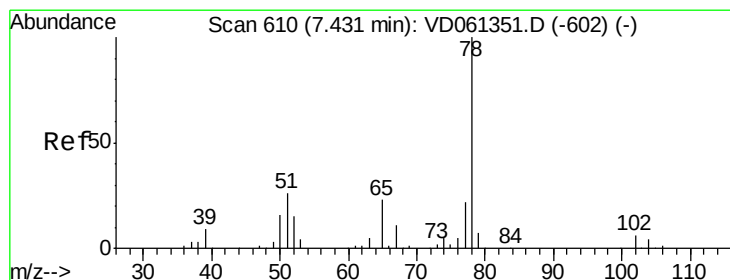
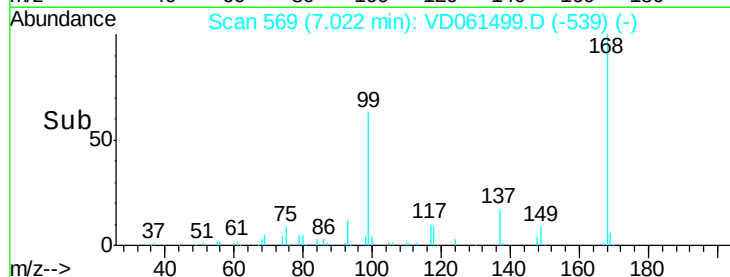
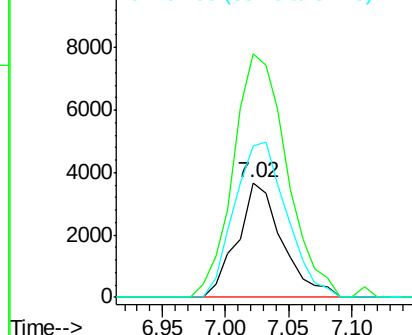
56 100

69 212.7 25.7 38.5#

84 132.5 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: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD061499.D

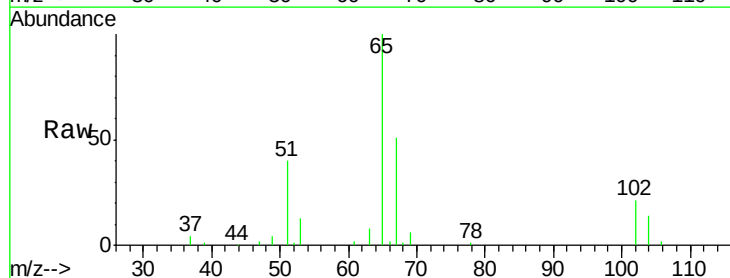
Acq: 2 Apr 2019 7:12

Tgt Ion: 65 Resp: 221749

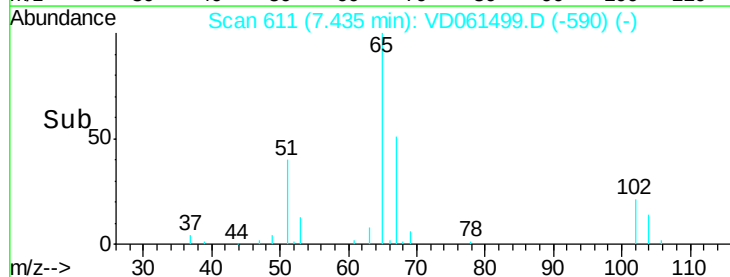
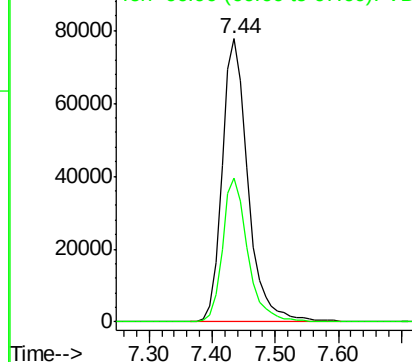
Ion Ratio Lower Upper

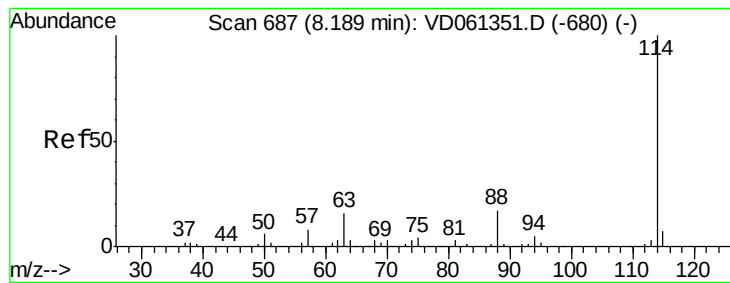
65 100

67 51.0 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# 689

Delta R.T. 0.01 min

Lab File: VD061499.D

Acq: 2 Apr 2019 7:12

Instrument :

MSVOA_D

ClientSampleId :

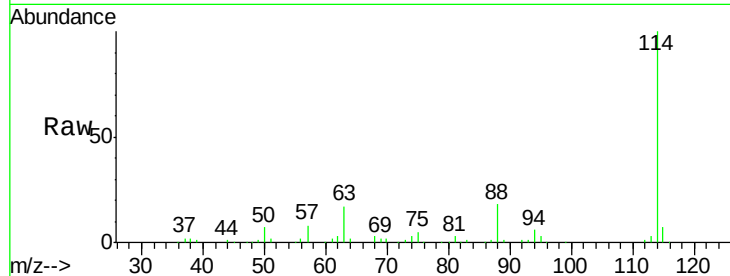
Tot Ion:114 Resp: 806818

Ion Ratio Lower Upper

114 100

63 16.8 0.0 31.6

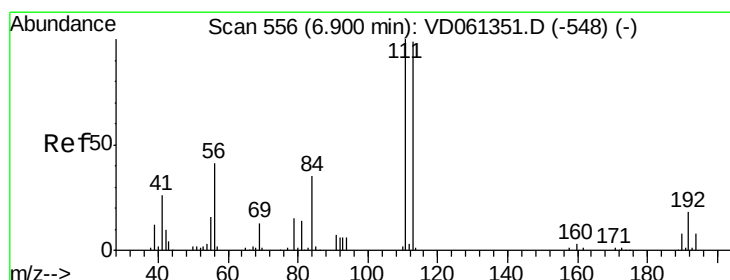
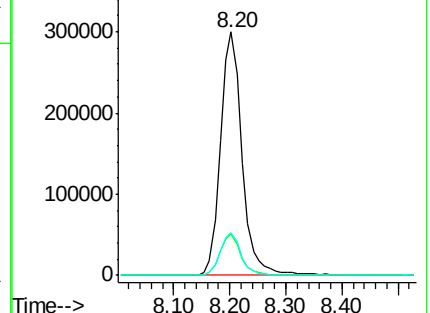
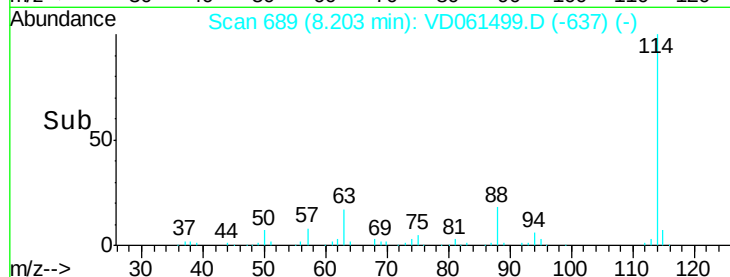
88 17.8 0.0 33.4



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# 557

Delta R.T. 0.00 min

Lab File: VD061499.D

Acq: 2 Apr 2019 7:12

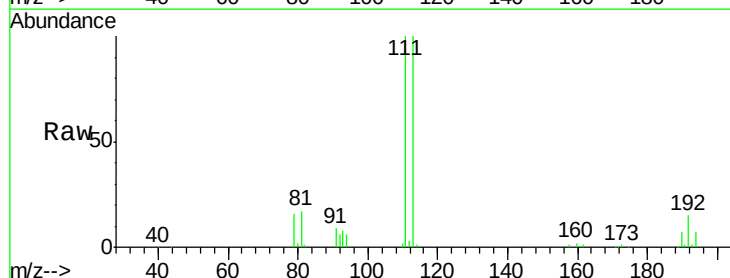
Tgt Ion:113 Resp: 324856

Ion Ratio Lower Upper

113 100

111 99.9 81.0 121.6

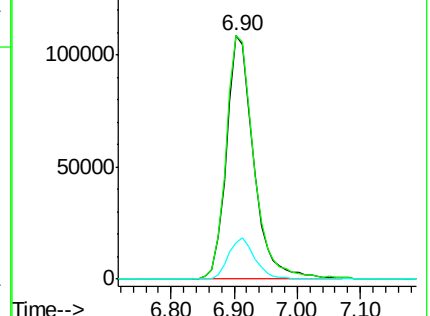
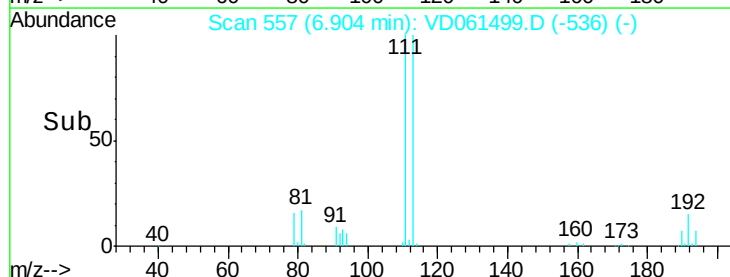
192 14.9 14.4 21.6

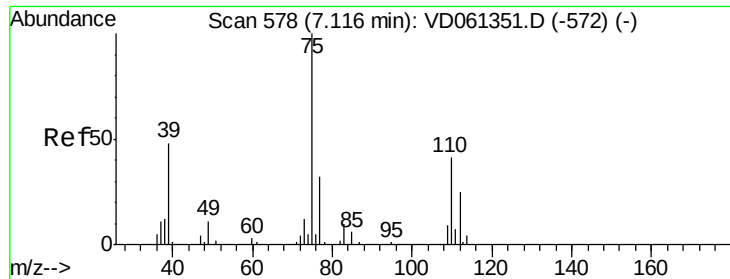


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

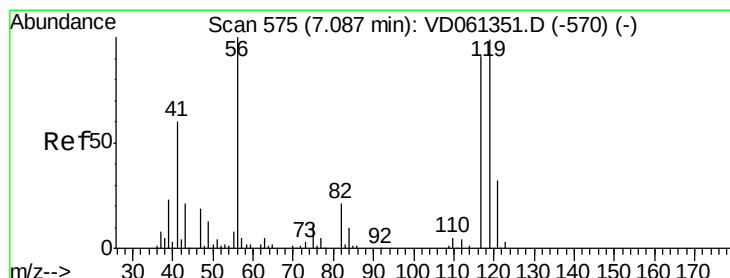
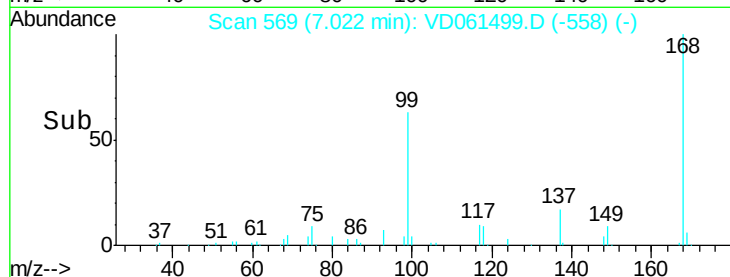
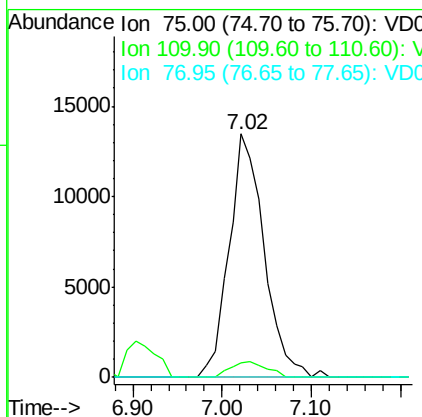
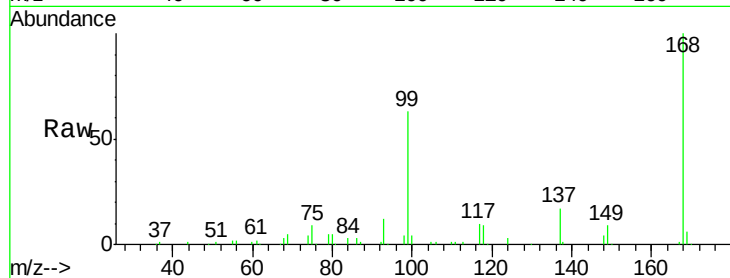




#36
 1,1-Dichloropropene
 Concen: 5.258 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.09 min
 Lab File: VD061499.D
 Acq: 2 Apr 2019 7:12

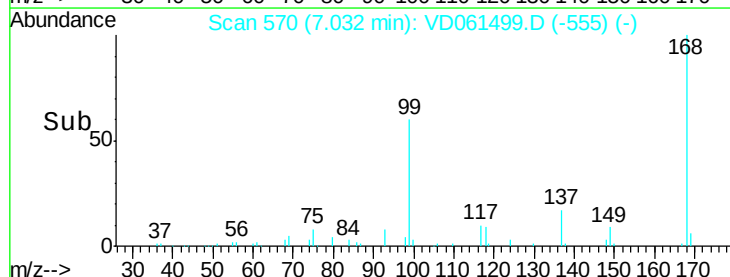
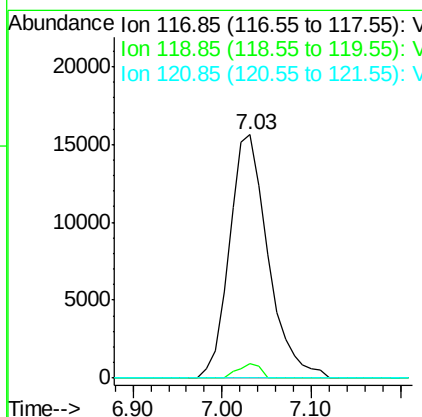
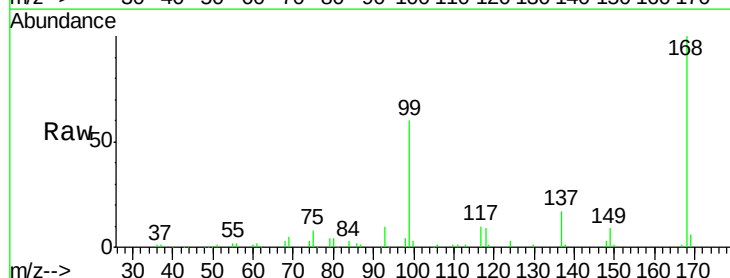
Instrument :
 MSVOA_D
 ClientSampleId :

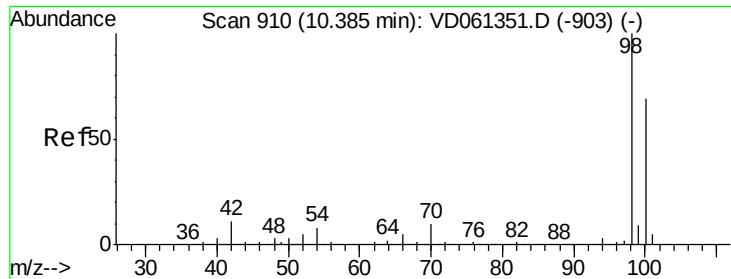
Tot Ion: 75 Resp: 37026
 Ion Ratio Lower Upper
 75 100
 110 6.1 20.4 61.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.827 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.06 min
 Lab File: VD061499.D
 Acq: 2 Apr 2019 7:12

Tgt Ion: 117 Resp: 47146
 Ion Ratio Lower Upper
 117 100
 119 5.8 80.1 120.1#
 121 0.0 25.6 38.4#

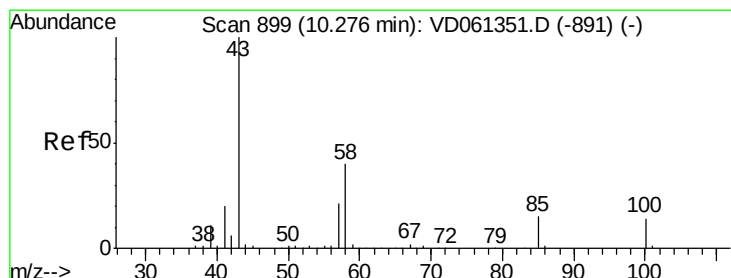
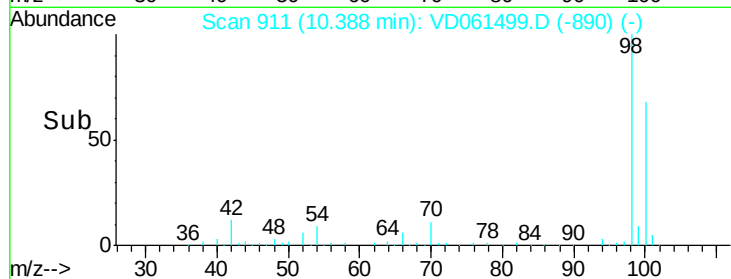
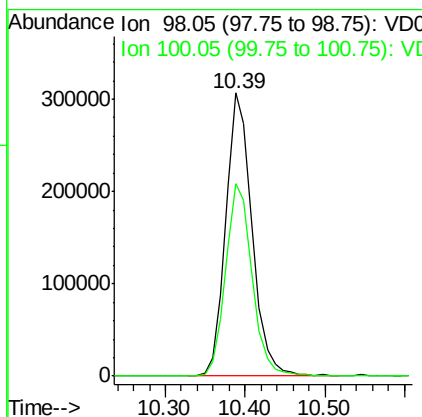
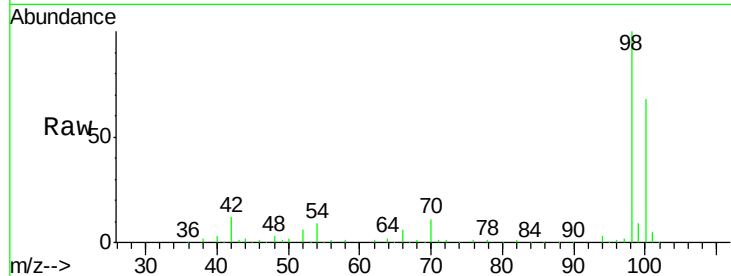




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD061499.D
Acq: 2 Apr 2019 7:12

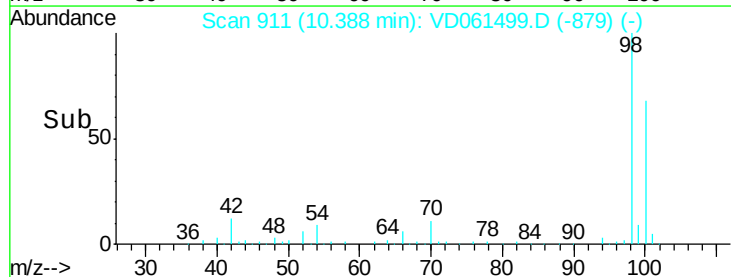
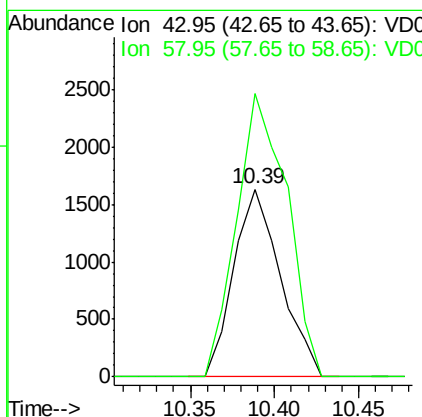
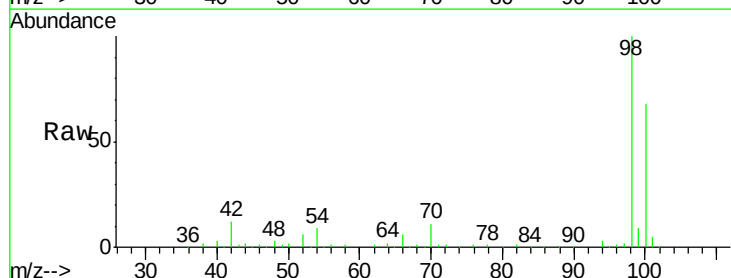
Instrument :
MSVOA_D
ClientSampleId :

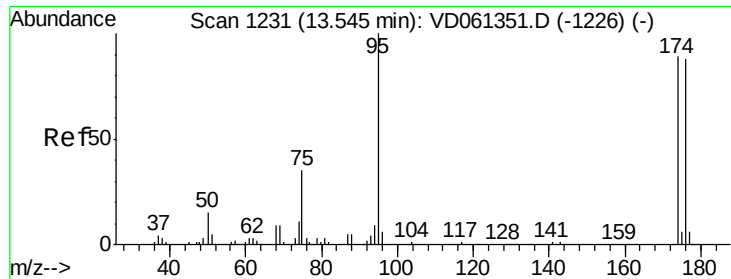
Tot Ion: 98 Resp: 711614
Ion Ratio Lower Upper
98 100
100 67.8 56.2 84.2



#51
4-Methyl-2-Pentanone
Concen: 1.179 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.11 min
Lab File: VD061499.D
Acq: 2 Apr 2019 7:12

Tgt Ion: 43 Resp: 3142
Ion Ratio Lower Upper
43 100
58 150.8 31.8 47.8#

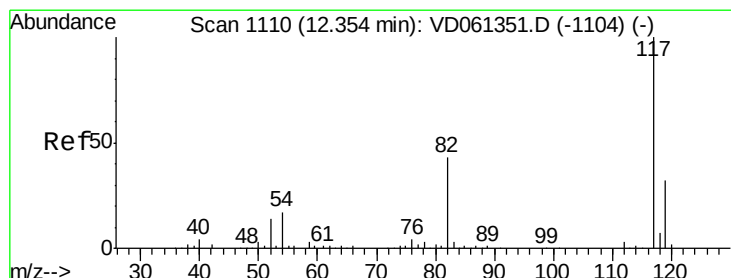
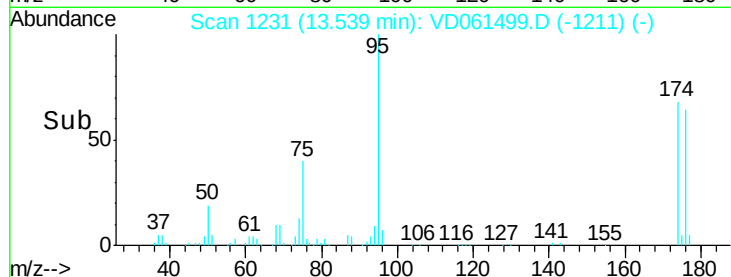
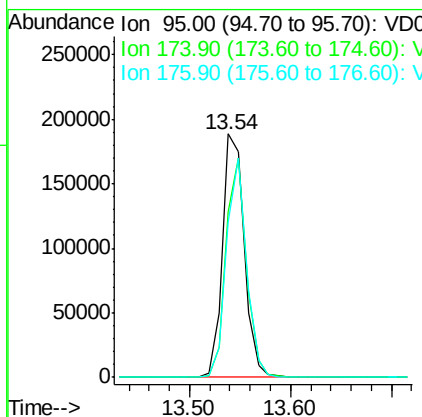
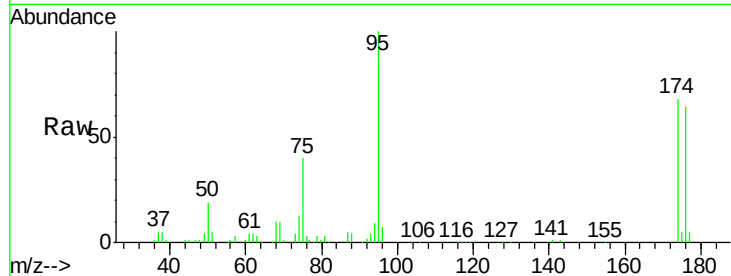




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061499.D
Acq: 2 Apr 2019 7:12

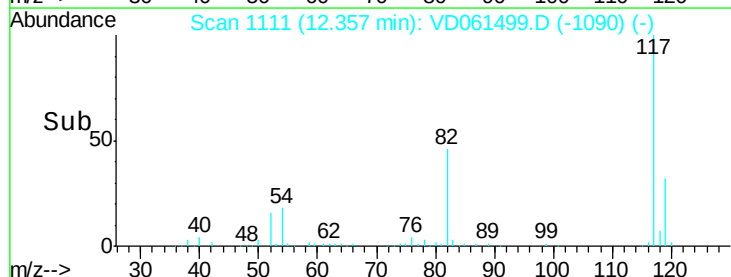
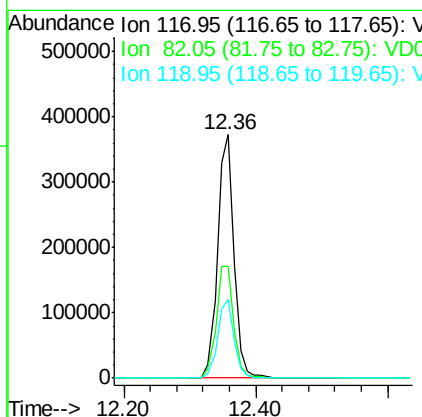
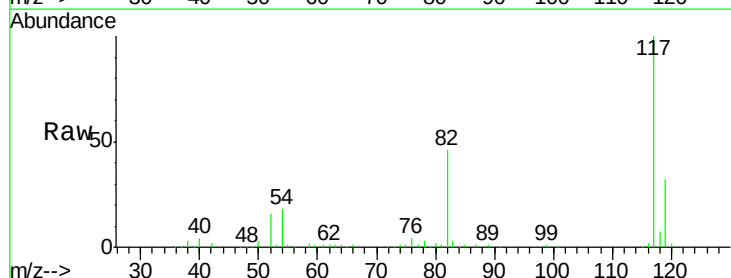
Instrument :
MSVOA_D
ClientSampled :

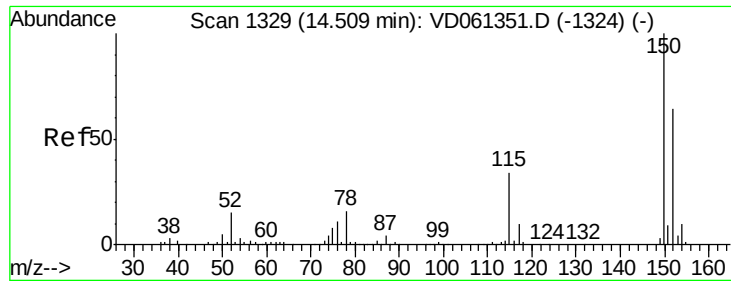
Tot Ion: 95 Resp: 283977
Ion Ratio Lower Upper
95 100
174 67.8 0.0 178.0
176 63.6 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061499.D
Acq: 2 Apr 2019 7:12

Tgt Ion: 117 Resp: 639558
Ion Ratio Lower Upper
117 100
82 45.8 34.4 51.6
119 32.3 25.8 38.6

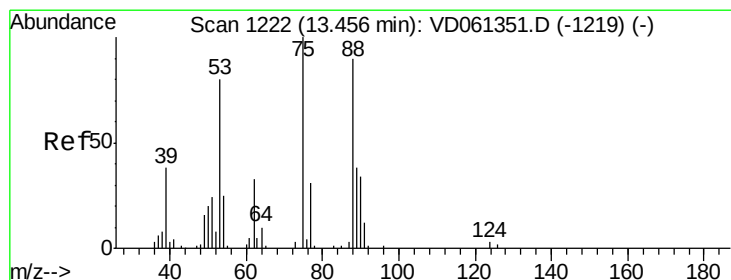
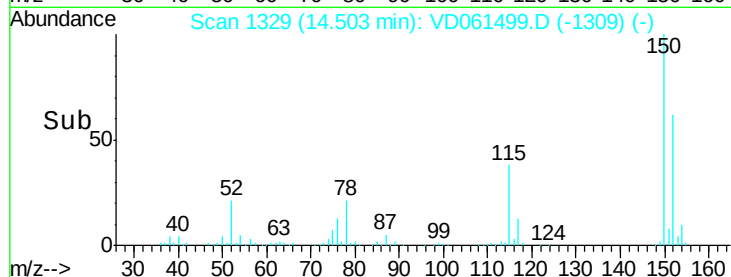
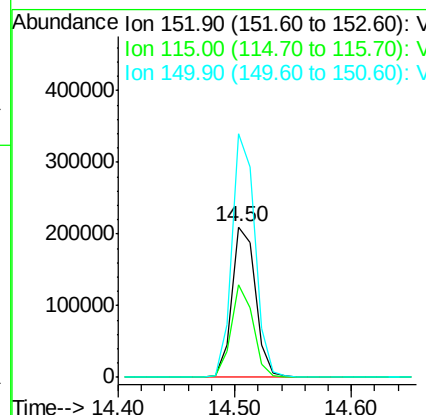
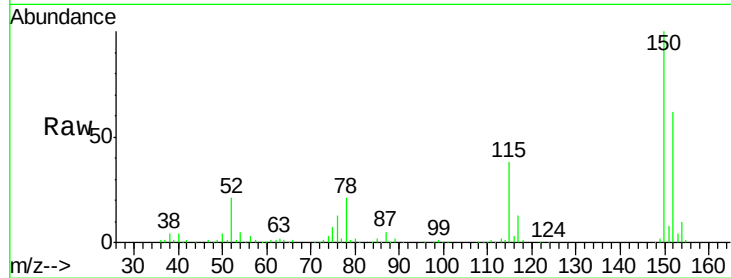




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD061499.D
 Acq: 2 Apr 2019 7:12

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:152 Resp: 294139
 Ion Ratio Lower Upper
 152 100
 115 61.5 26.9 80.6
 150 161.8 0.0 318.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.429 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.08 min
 Lab File: VD061499.D
 Acq: 2 Apr 2019 7:12

Tgt Ion: 75 Resp: 109377
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

