

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061949.D
 Acq On : 22 Apr 2019 20:08
 Operator : VA/AP
 Sample : K2201-03RE
 Misc : 6.81g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 22 23:34:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	476865	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	801641	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	608078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	246113	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	174373	43.63	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	87.26%	
35) Dibromofluoromethane	6.92	113	266368	43.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.96%	
50) Toluene-d8	10.40	98	545748	38.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	76.06%	
62) 4-Bromofluorobenzene	13.55	95	214387	36.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	73.72%	

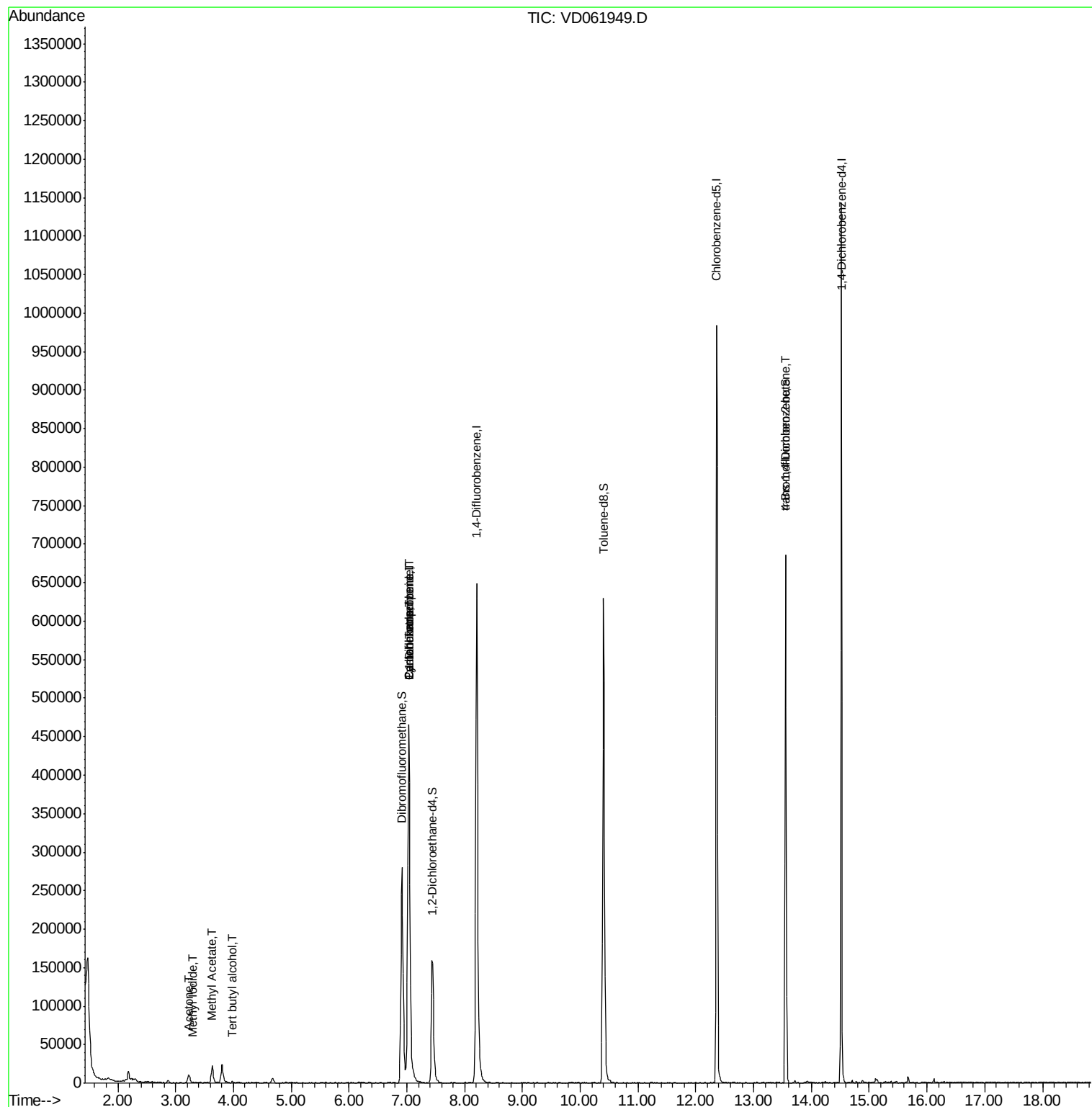
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	179	Below Cal	#	12
10) Methyl Iodide	3.30	142	454	3.564	ug/l #	37
11) Tert butyl alcohol	3.97	59	862	3.657	ug/l #	76
16) Acetone	3.22	43	23323	23.678	ug/l #	87
18) Methyl Acetate	3.63	43	41149	20.843	ug/l	99
20) Methylene Chloride	3.80	84	18470	Below Cal		96
31) Cyclohexane	7.02	56	8284	1.369	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	35292	5.388	ug/l #	47
38) Carbon Tetrachloride	7.03	117	46643	5.639	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	83048	77.329	ug/l #	16

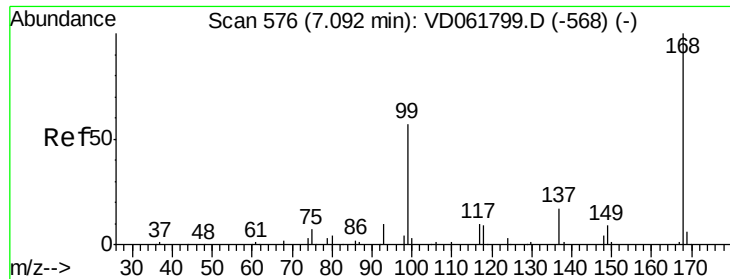
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
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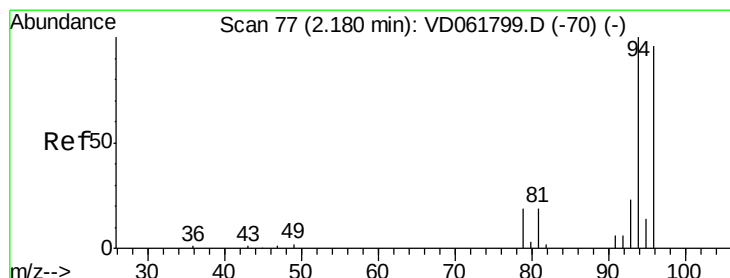
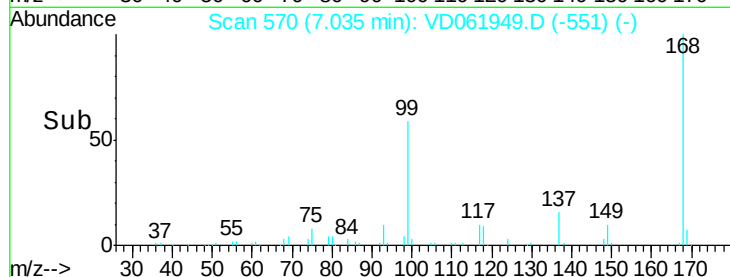
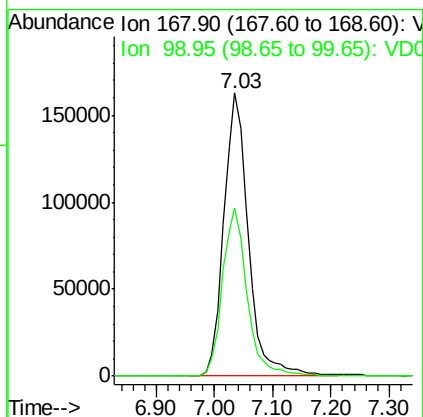
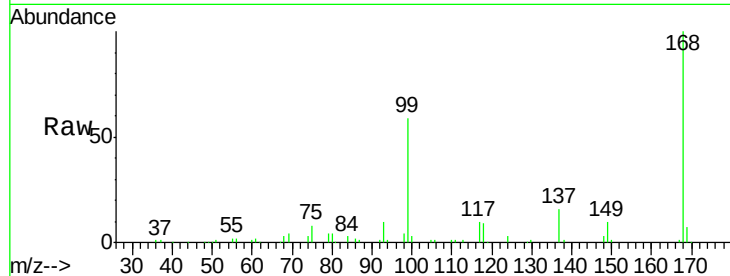




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.02 min
Lab File: VD061949.D
Acq: 22 Apr 2019 20:08

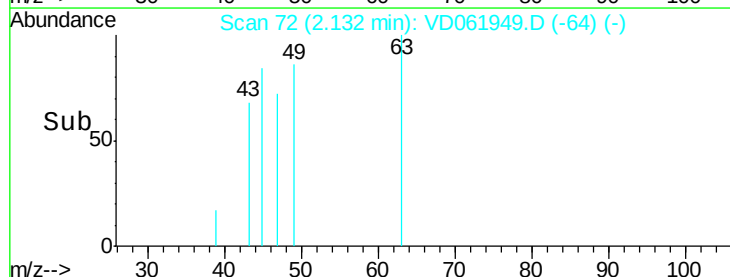
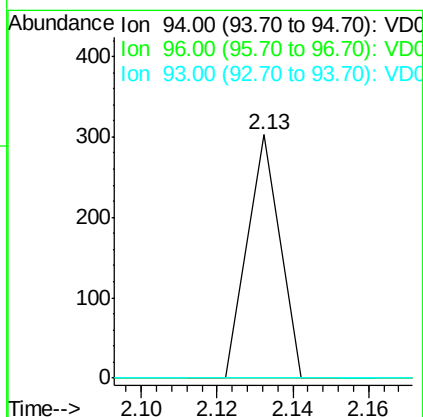
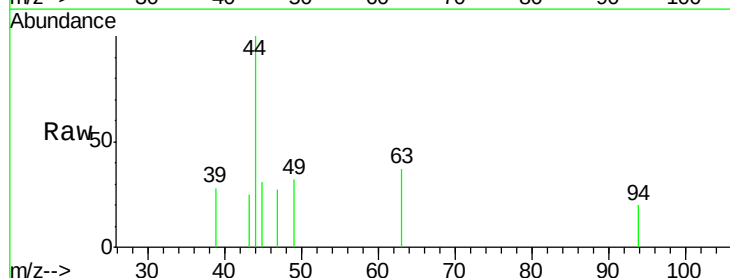
Instrument :
MSVOA_D
ClientSampleId :

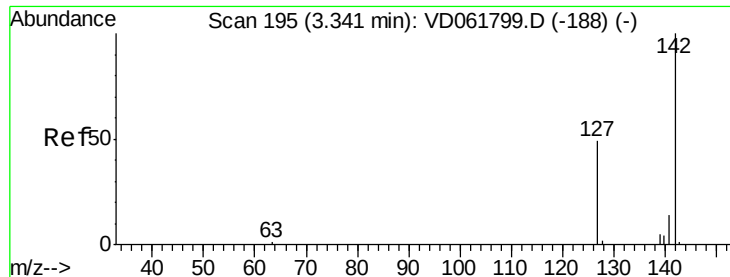
Tot Ion:168 Resp: 476865
Ion Ratio Lower Upper
168 100
99 59.3 46.5 69.7



#5
Bromomethane
Concen: Below Cal
RT: 2.13 min Scan# 72
Delta R.T. -0.02 min
Lab File: VD061949.D
Acq: 22 Apr 2019 20:08

Tgt Ion: 94 Resp: 179
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#
93 0.0 18.5 27.7#

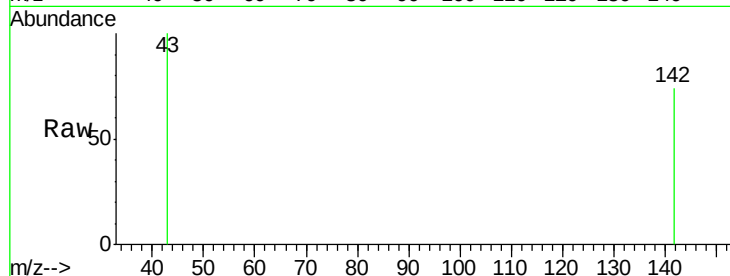




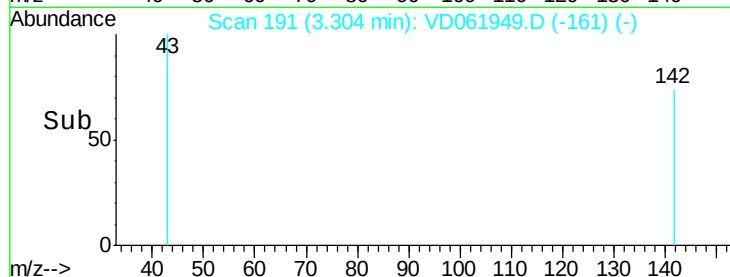
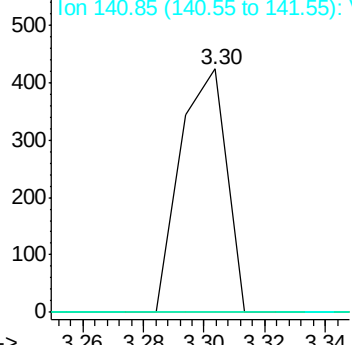
#10
Methyl Iodide
Concen: 3.564 ug/l
RT: 3.30 min Scan# 191
Delta R.T. -0.01 min
Lab File: VD061949.D
Acq: 22 Apr 2019 20:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:142 Resp: 454
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

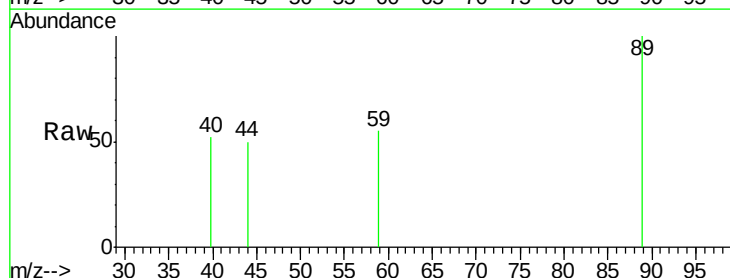
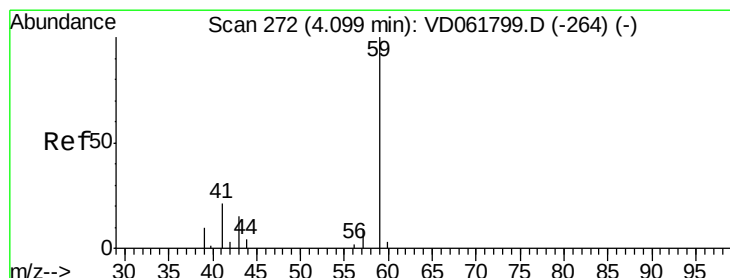


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

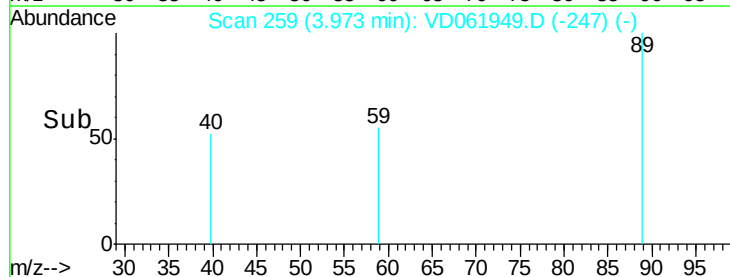
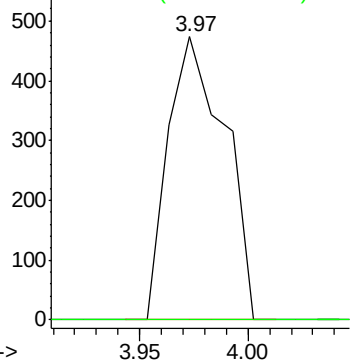


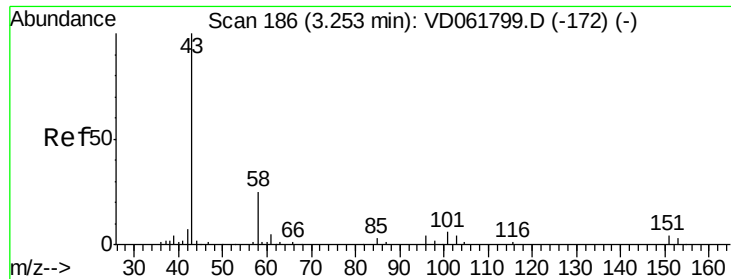
#11
Tert butyl alcohol
Concen: 3.657 ug/l
RT: 3.97 min Scan# 259
Delta R.T. -0.09 min
Lab File: VD061949.D
Acq: 22 Apr 2019 20:08

Tgt Ion: 59 Resp: 862
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): V
Ion 56.95 (56.65 to 57.65): V





#16

Acetone

Concen: 23.678 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061949.D

Acq: 22 Apr 2019 20:08

Instrument :

MSVOA_D

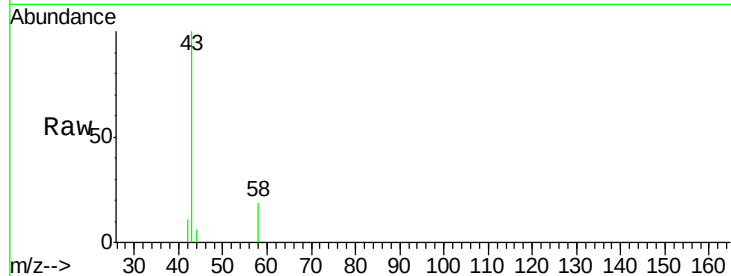
ClientSampleId :

Tot Ion: 43 Resp: 23323

Ion Ratio Lower Upper

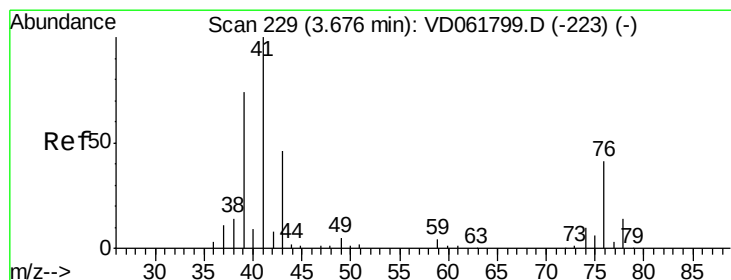
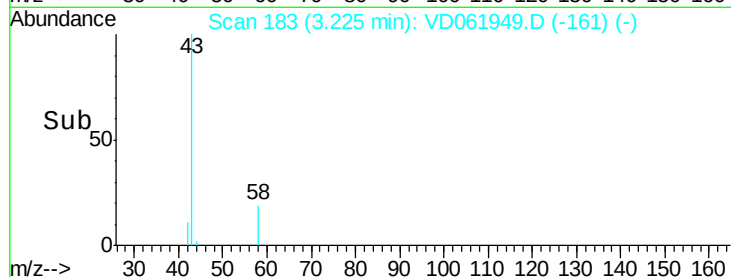
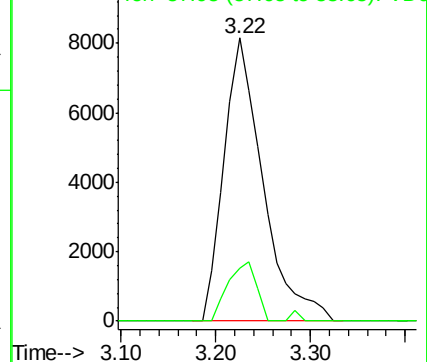
43 100

58 18.6 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 20.843 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061949.D

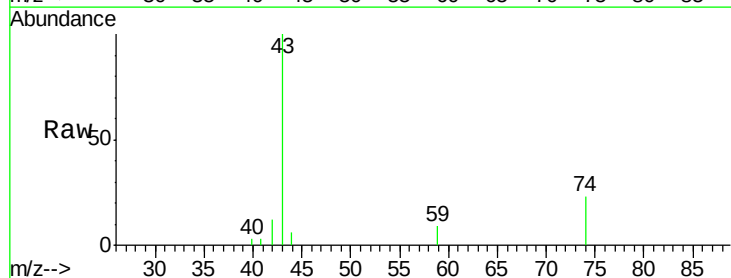
Acq: 22 Apr 2019 20:08

Tgt Ion: 43 Resp: 41149

Ion Ratio Lower Upper

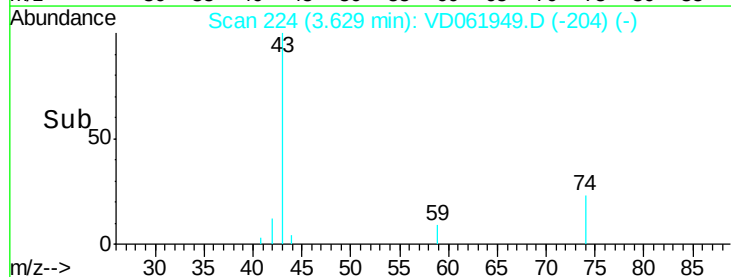
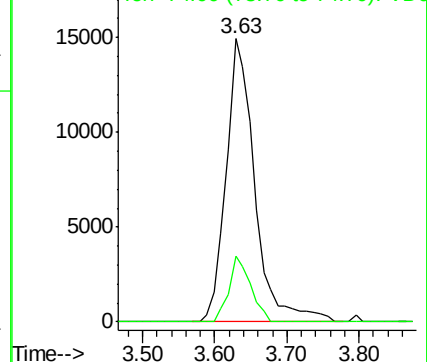
43 100

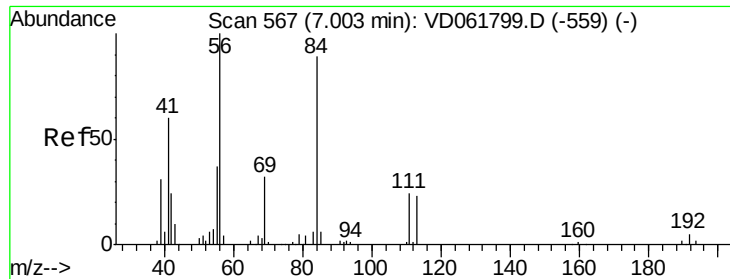
74 23.2 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

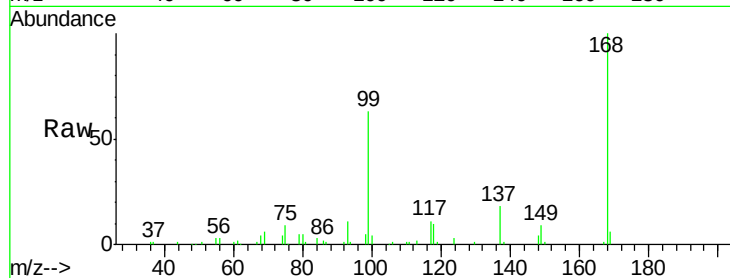




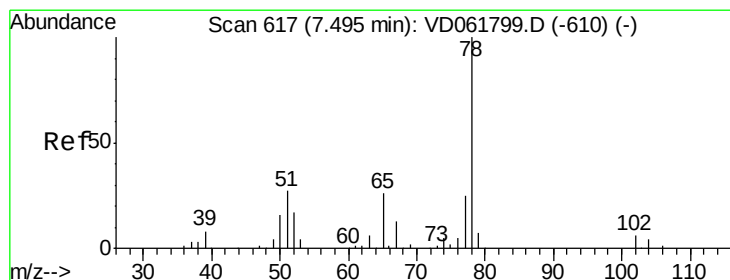
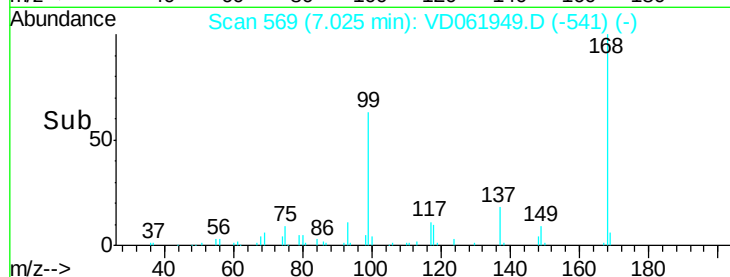
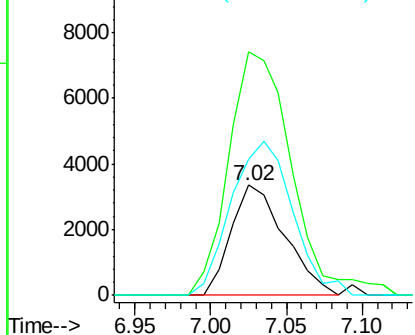
#31
Cyclohexane
Concen: 1.369 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.07 min
Lab File: VD061949.D
Acq: 22 Apr 2019 20:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 8284
Ion Ratio Lower Upper
56 100
69 220.4 25.8 38.6#
84 123.5 72.2 108.4#

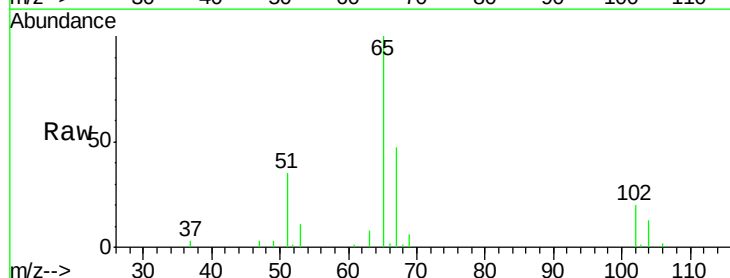


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

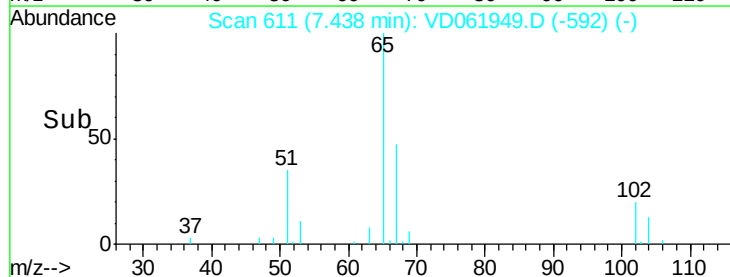
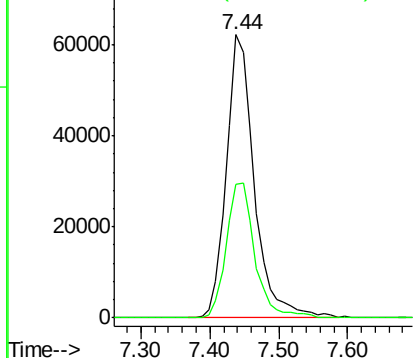


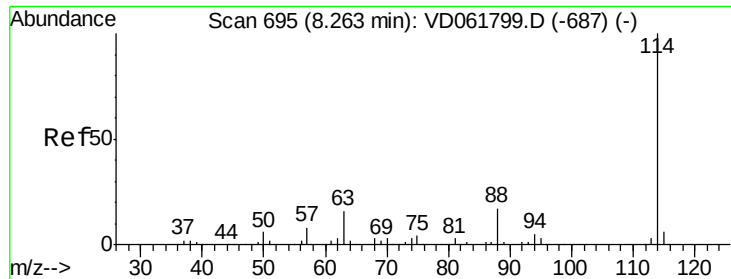
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD061949.D
Acq: 22 Apr 2019 20:08

Tgt Ion: 65 Resp: 174373
Ion Ratio Lower Upper
65 100
67 47.2 0.0 98.0



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: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD061949.D

Acq: 22 Apr 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

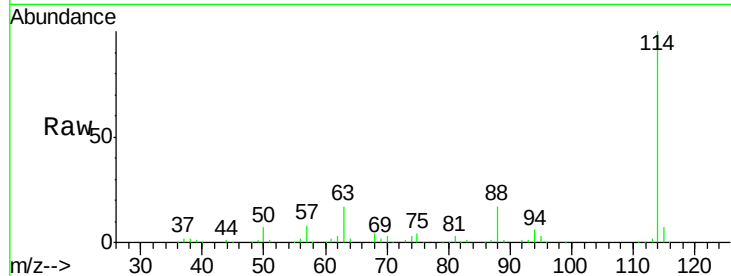
Tot Ion:114 Resp: 801641

Ion Ratio Lower Upper

114 100

63 16.8 0.0 32.4

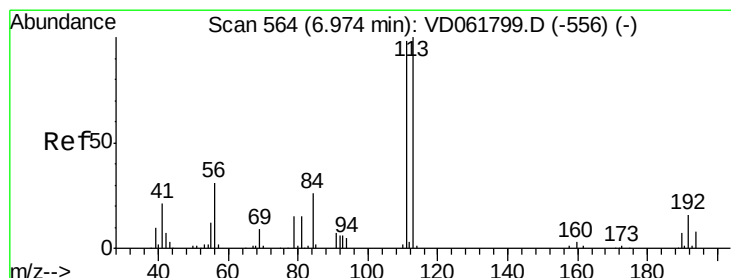
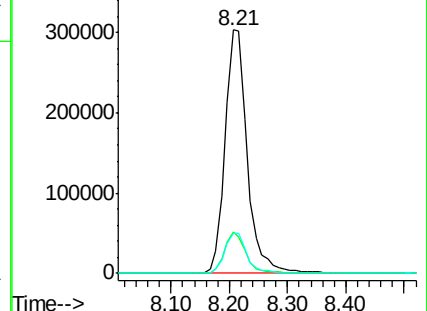
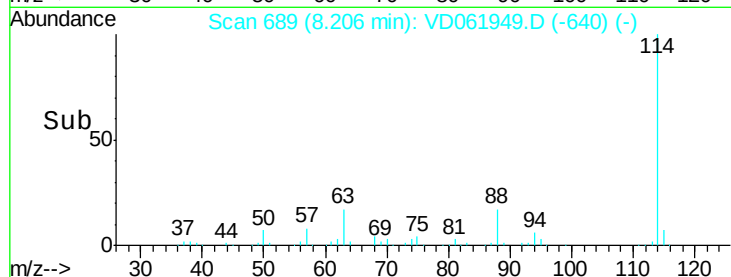
88 16.6 0.0 33.6



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: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061949.D

Acq: 22 Apr 2019 20:08

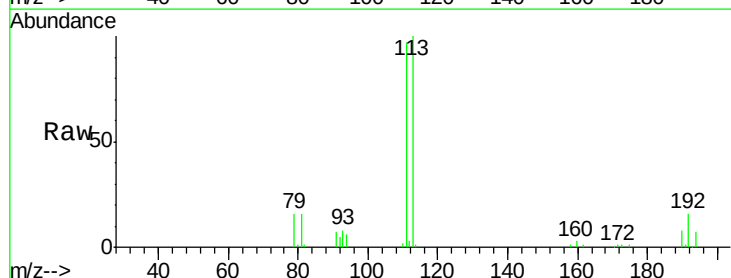
Tgt Ion:113 Resp: 266368

Ion Ratio Lower Upper

113 100

111 96.9 78.5 117.7

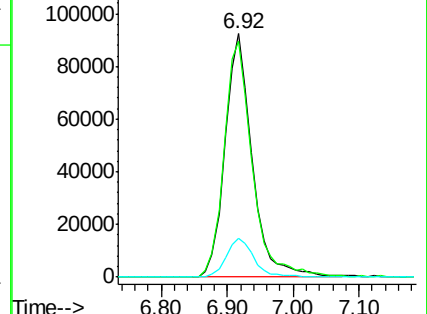
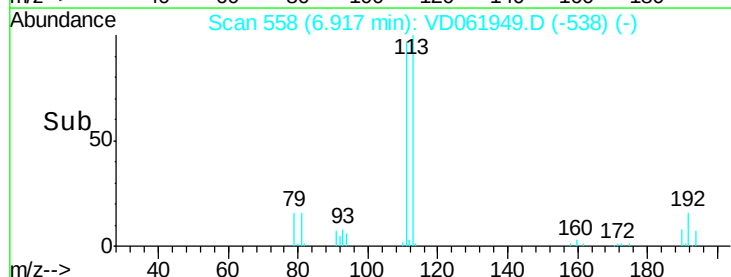
192 15.8 13.0 19.4

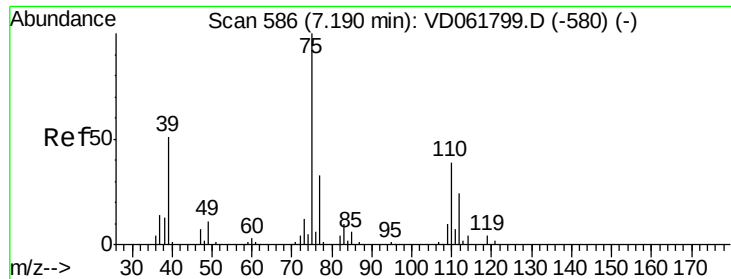


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

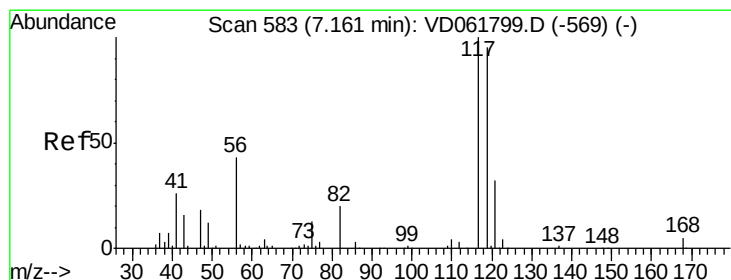
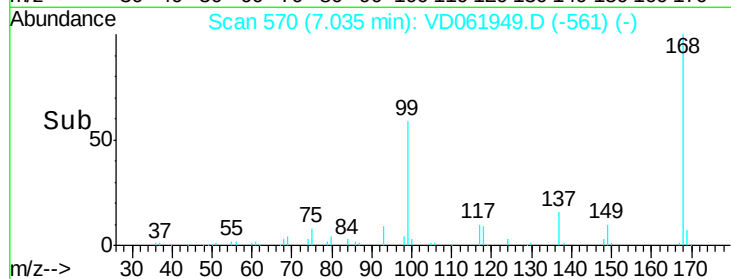
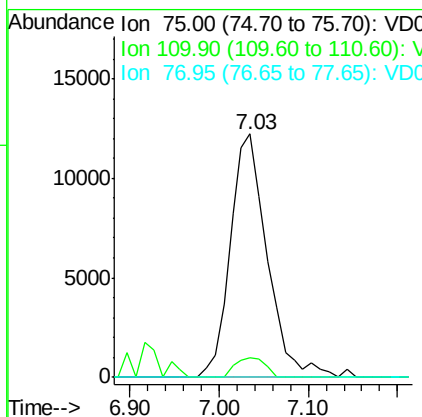
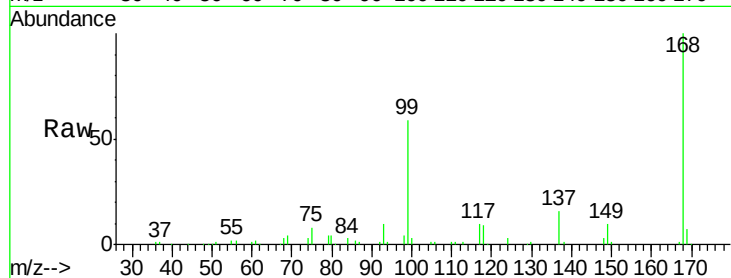




#36
 1,1-Dichloropropene
 Concen: 5.388 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD061949.D
 Acq: 22 Apr 2019 20:08

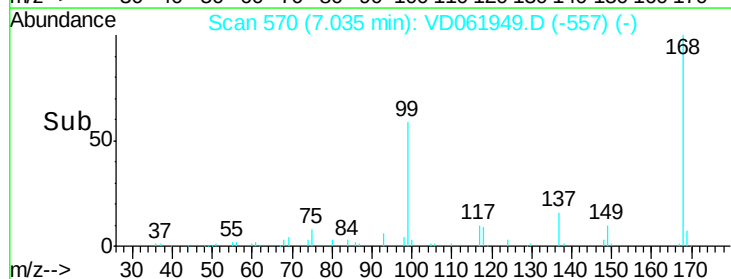
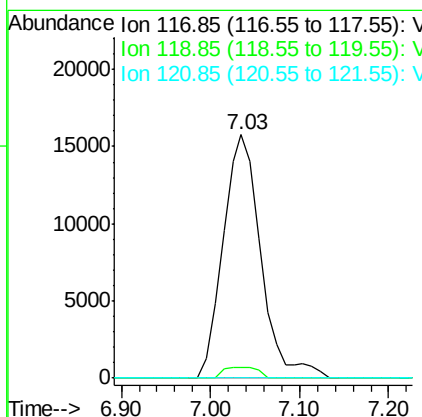
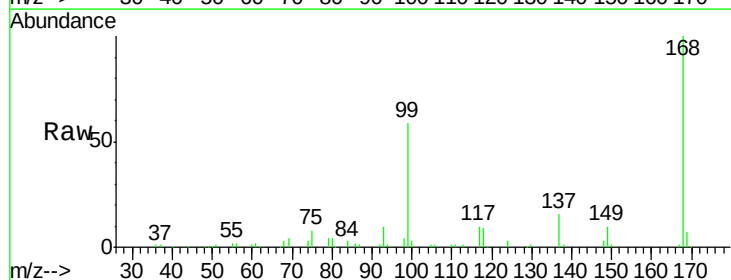
Instrument :
 MSVOA_D
 ClientSampleId :

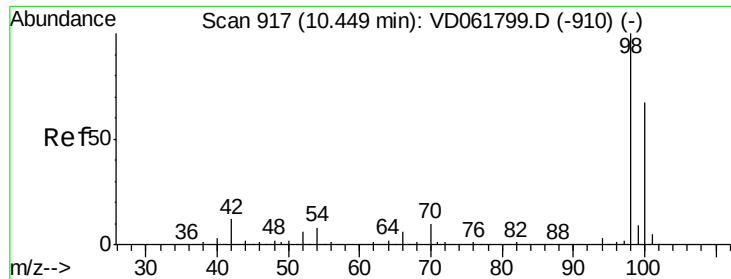
Tot Ion: 75 Resp: 35292
 Ion Ratio Lower Upper
 75 100
 110 7.9 19.1 57.1#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 5.639 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD061949.D
 Acq: 22 Apr 2019 20:08

Tgt Ion: 117 Resp: 46643
 Ion Ratio Lower Upper
 117 100
 119 4.6 75.8 113.8#
 121 0.0 25.9 38.9#

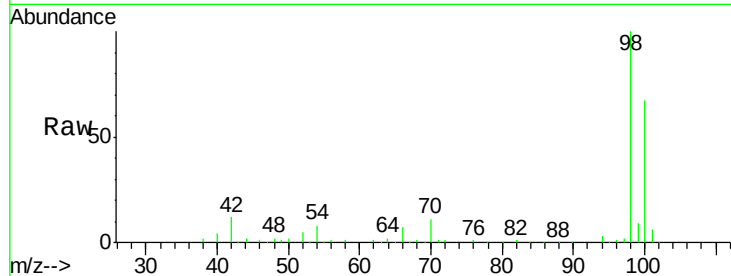




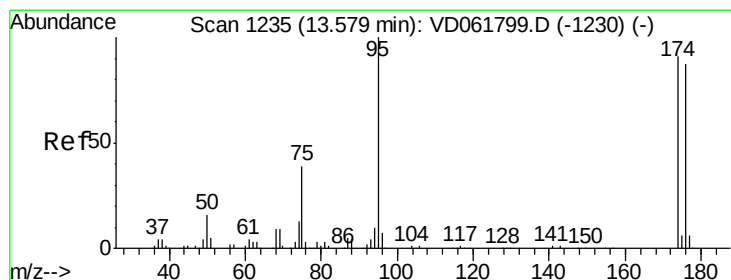
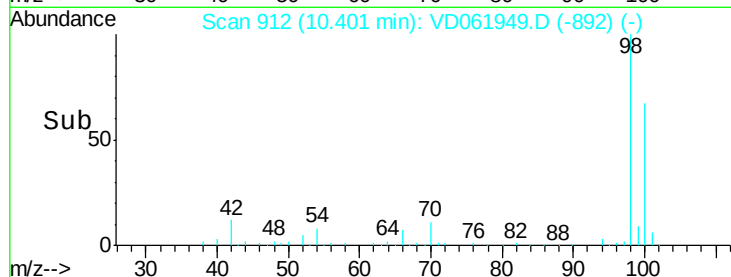
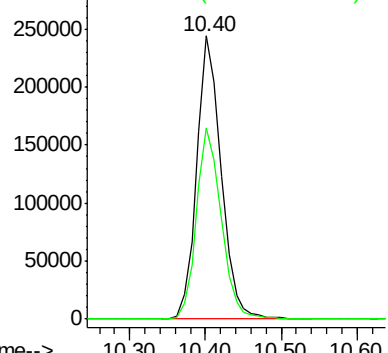
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061949.D
Acq: 22 Apr 2019 20:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 545748
Ion Ratio Lower Upper
98 100
100 67.5 53.8 80.8

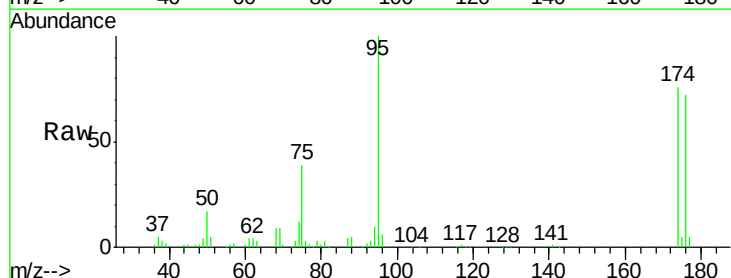


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

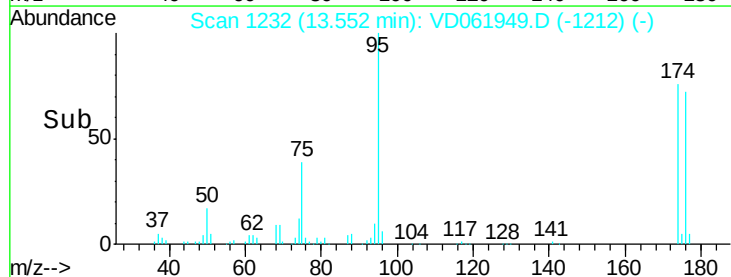
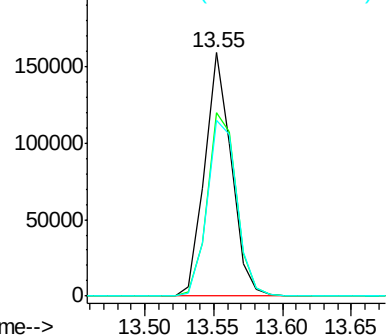


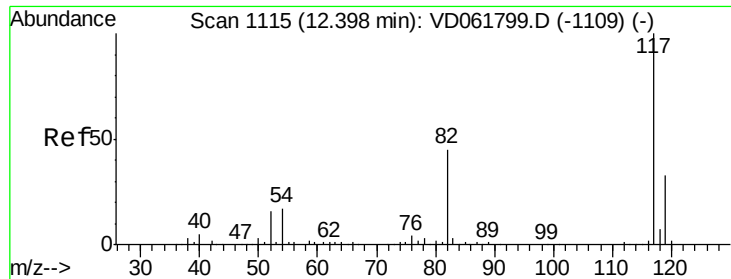
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD061949.D
Acq: 22 Apr 2019 20:08

Tgt Ion: 95 Resp: 214387
Ion Ratio Lower Upper
95 100
174 75.6 0.0 181.8
176 72.4 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

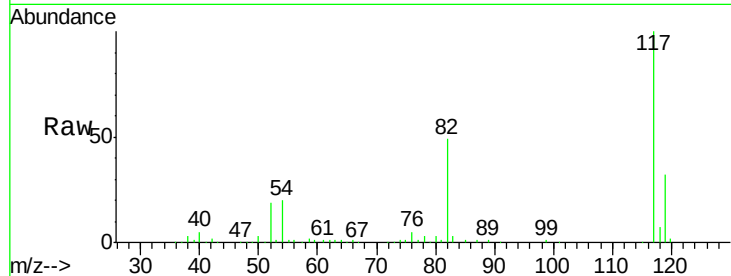




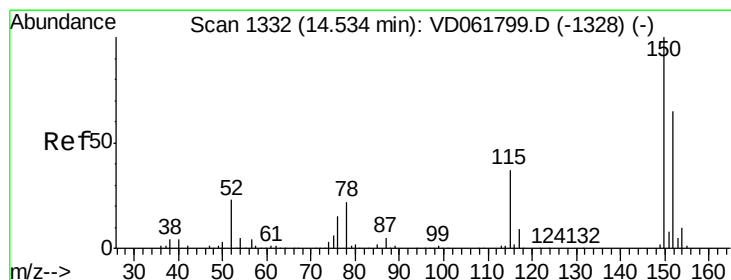
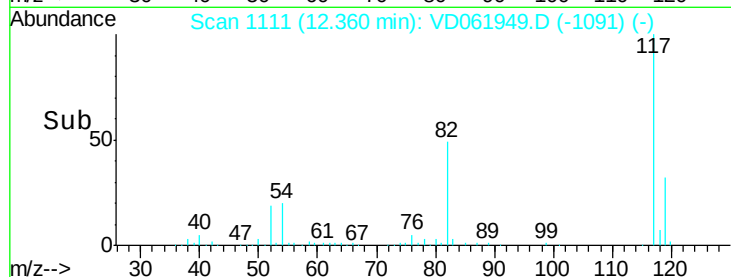
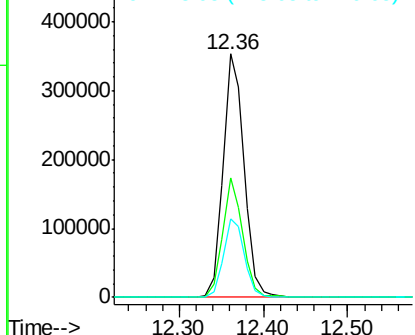
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061949.D
Acq: 22 Apr 2019 20:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 608078
Ion Ratio Lower Upper
117 100
82 48.9 36.2 54.2
119 32.2 26.2 39.4

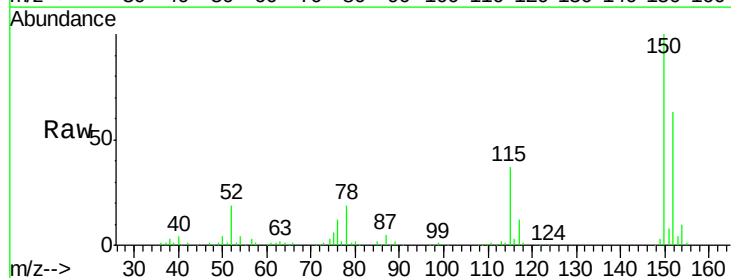


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

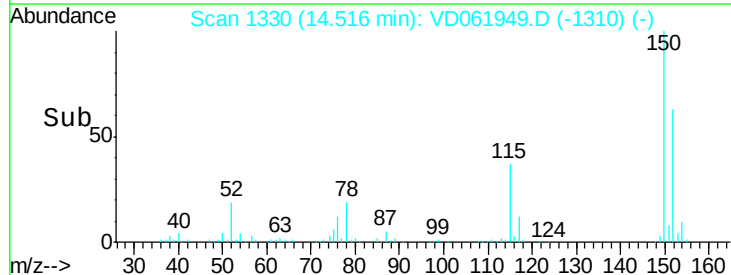
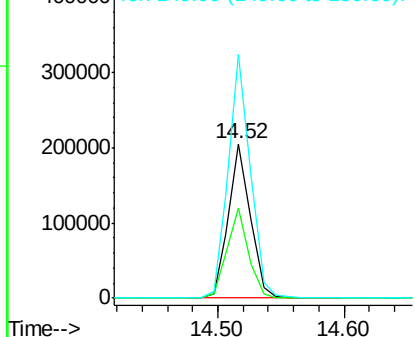


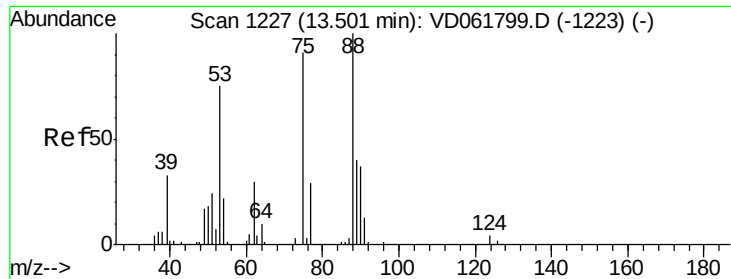
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD061949.D
Acq: 22 Apr 2019 20:08

Tgt Ion:152 Resp: 246113
Ion Ratio Lower Upper
152 100
115 58.1 30.9 92.7
150 158.1 0.0 314.8



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: 77.329 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061949.D

Acq: 22 Apr 2019 20:08

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 83048

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

