

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061144.D
 Acq On : 18 Mar 2019 14:42
 Operator : VA/AP
 Sample : K1685-05RE
 Misc : 7.59g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

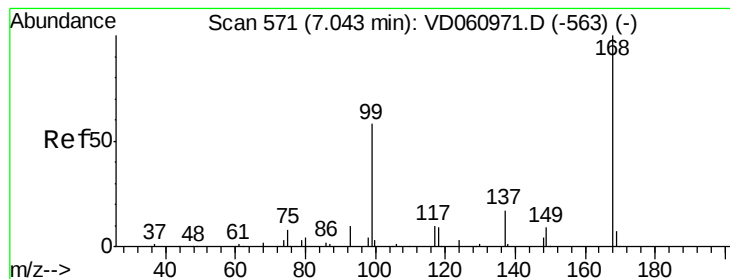
Quant Time: Mar 19 02:16:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	585244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1004077	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	808759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	371308	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	263043	54.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.00%	
35) Dibromofluoromethane	6.92	113	434953	58.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.74%	
50) Toluene-d8	10.40	98	1085696	58.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.04%	
62) 4-Bromofluorobenzene	13.54	95	406425	55.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	206	Below Cal	#	8
10) Methyl Iodide	3.32	142	178	2.951	ug/l #	39
11) Tert butyl alcohol	4.00	59	3809	12.282	ug/l #	75
16) Acetone	3.22	43	11535	8.280	ug/l #	84
20) Methylene Chloride	3.83	84	18316	Below Cal	#	92
31) Cyclohexane	7.04	56	10413	1.208	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	40670	4.699	ug/l #	45
38) Carbon Tetrachloride	7.04	117	55981	5.872	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.54	75	147715	93.792	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061144.D

Acq: 18 Mar 2019 14:42

Instrument :

MSVOA_D

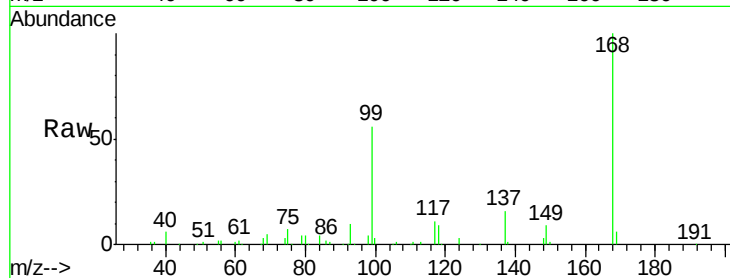
ClientSampleId :

Tot Ion:168 Resp: 585244

Ion Ratio Lower Upper

168 100

99 55.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

200000

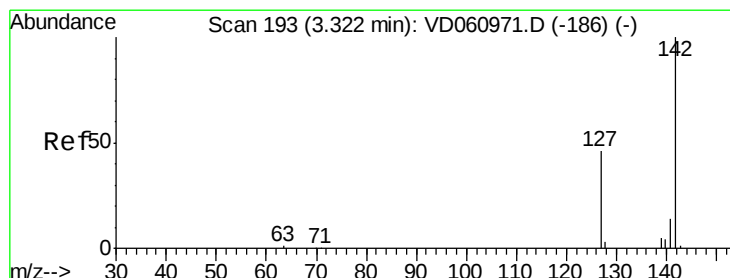
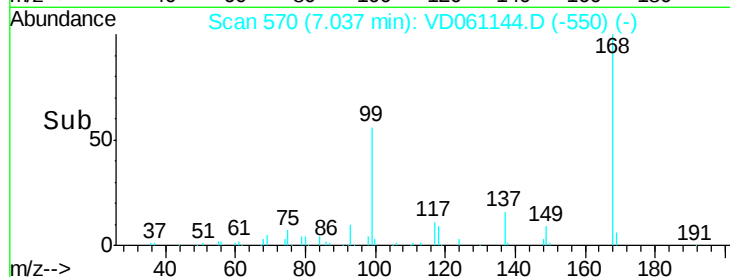
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 2.951 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD061144.D

Acq: 18 Mar 2019 14:42

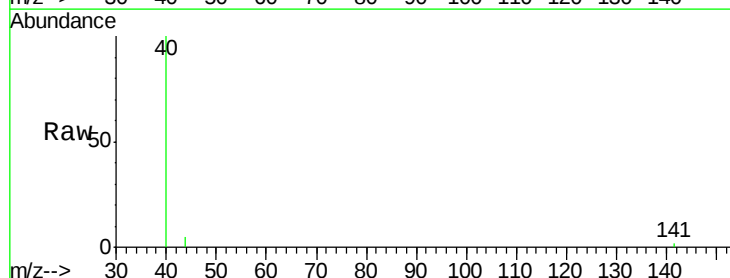
Tgt Ion:142 Resp: 178

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.2 16.8#



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

3.32

400

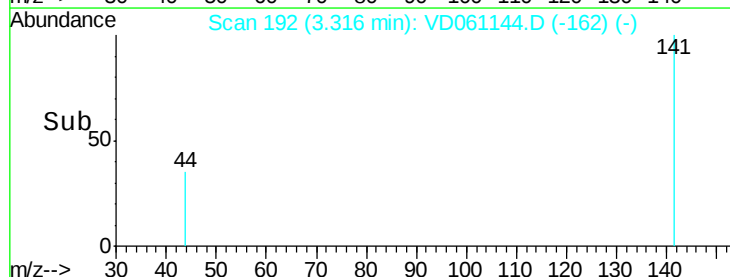
300

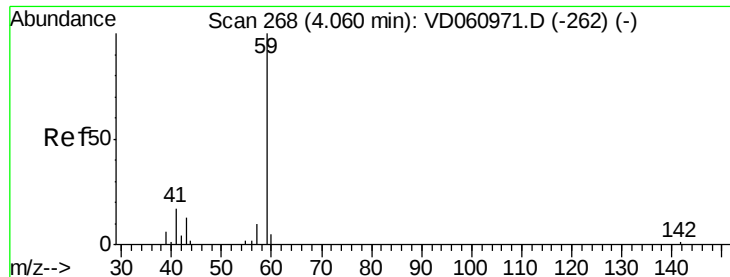
200

100

0

Time--> 3.28 3.30 3.32 3.34



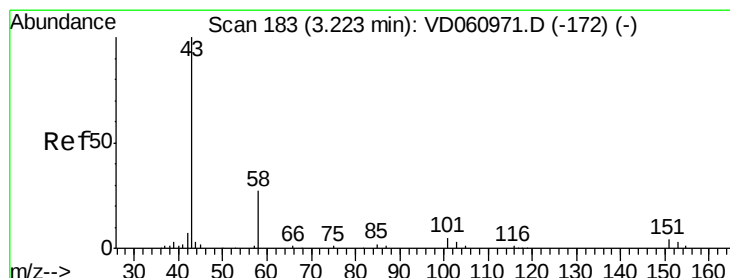
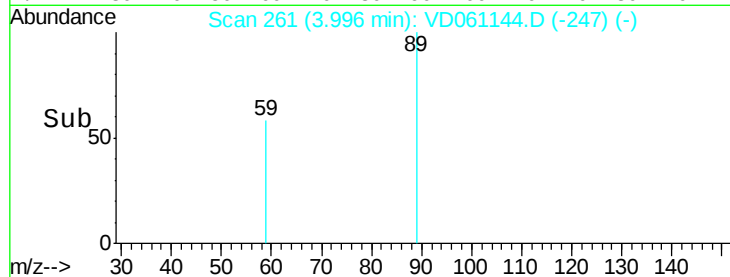
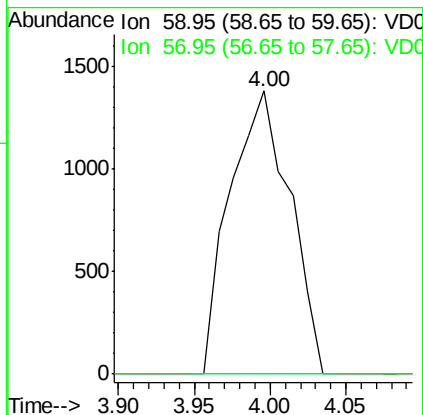
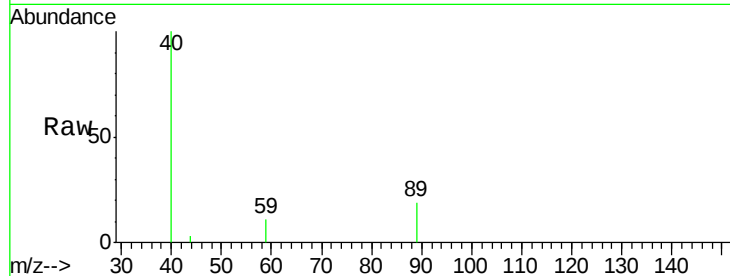


#11

Tert butyl alcohol
 Concen: 12.282 ug/l
 RT: 4.00 min Scan# 261
 Delta R.T. -0.06 min
 Lab File: VD061144.D
 Acq: 18 Mar 2019 14:42

Instrument :
 MSVOA_D
 ClientSampleID :

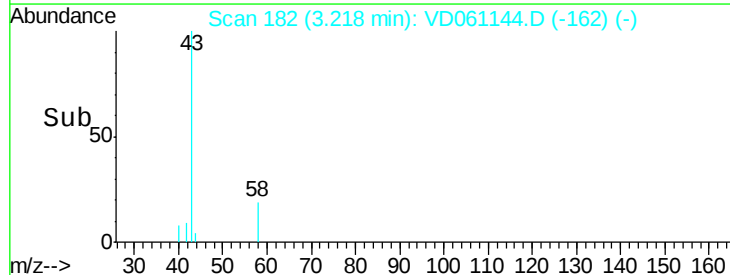
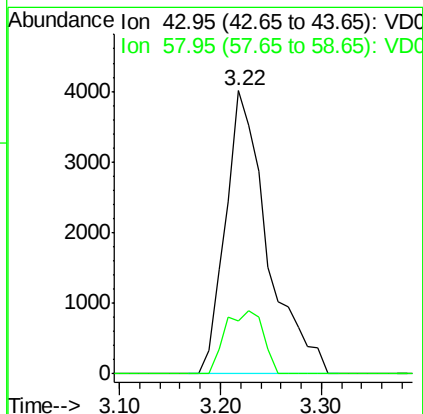
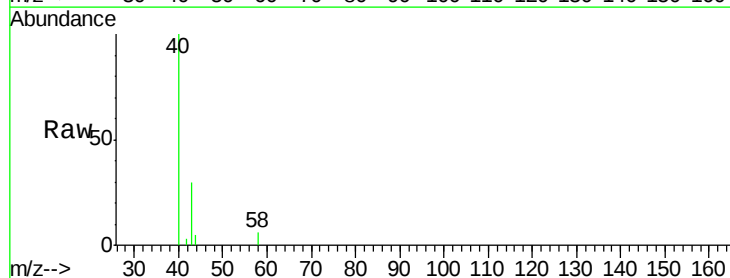
Tot Ion: 59 Resp: 3809
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.1 10.7#

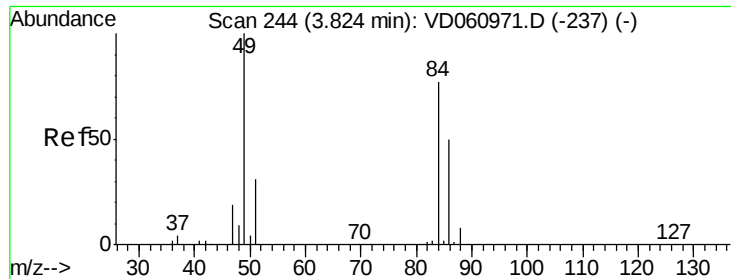


#16

Acetone
 Concen: 8.280 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VD061144.D
 Acq: 18 Mar 2019 14:42

Tgt Ion: 43 Resp: 11535
 Ion Ratio Lower Upper
 43 100
 58 18.6 21.6 32.4#

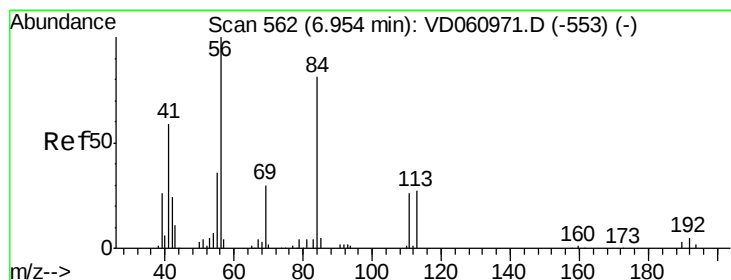
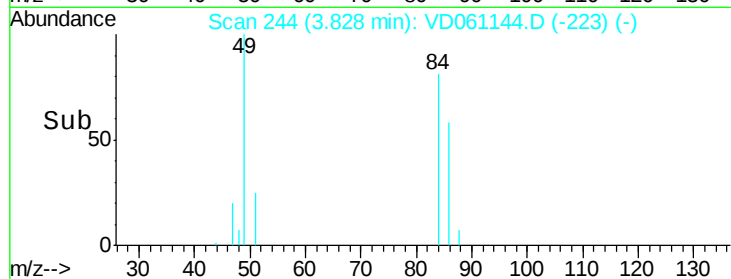
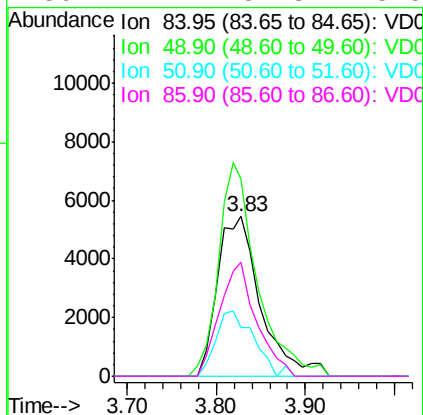
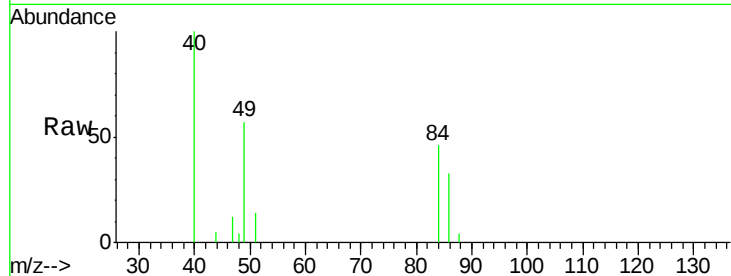




#20
Methylene Chloride
Concen: Below Cal
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061144.D
Acq: 18 Mar 2019 14:42

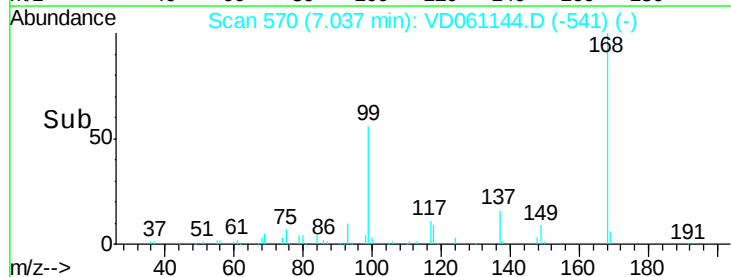
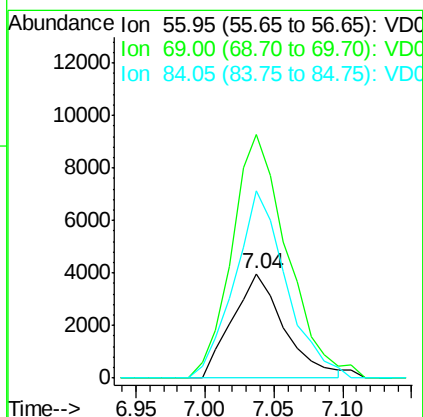
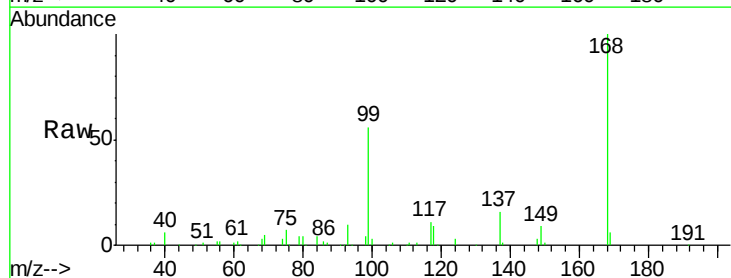
Instrument :
MSVOA_D
ClientSampleId :

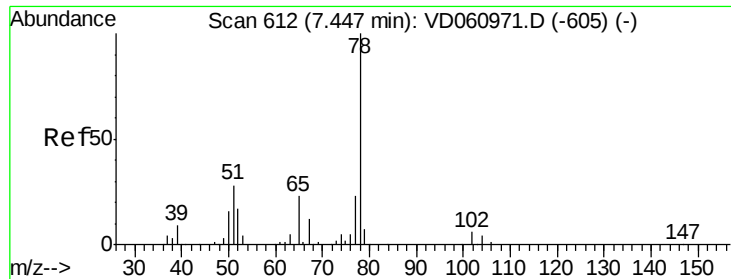
Tot Ion: 84 Resp: 18316
Ion Ratio Lower Upper
84 100
49 123.7 104.2 156.2
51 30.7 32.3 48.5#
86 71.7 52.3 78.5



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD061144.D
Acq: 18 Mar 2019 14:42

Tgt Ion: 56 Resp: 10413
Ion Ratio Lower Upper
56 100
69 232.9 24.0 36.0#
84 178.9 65.8 98.6#

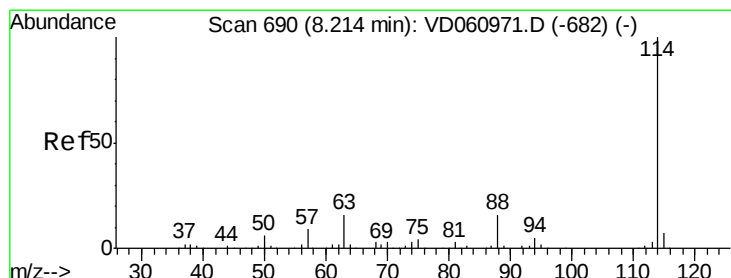
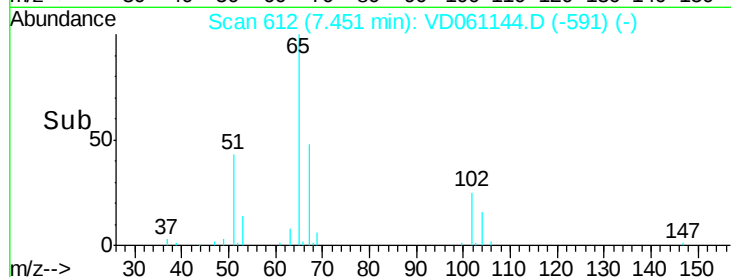
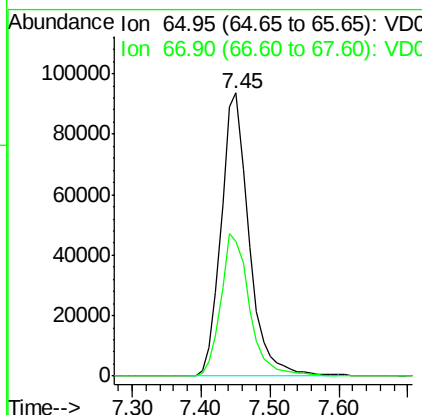
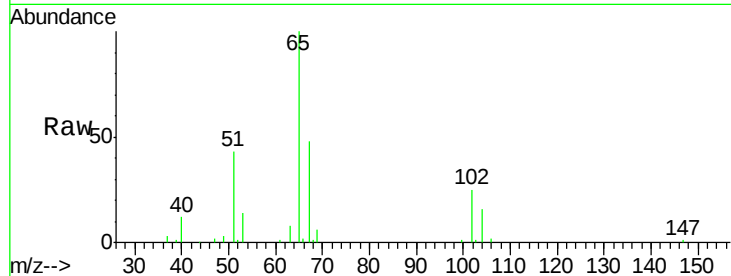




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD061144.D
 Acq: 18 Mar 2019 14:42

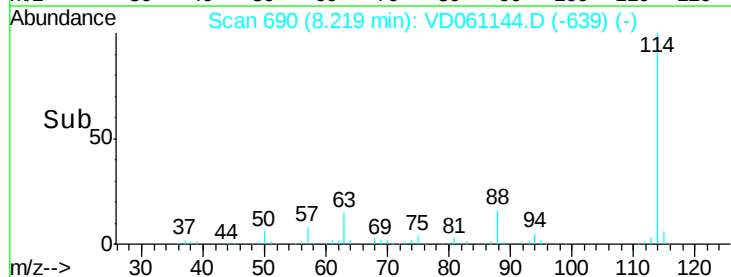
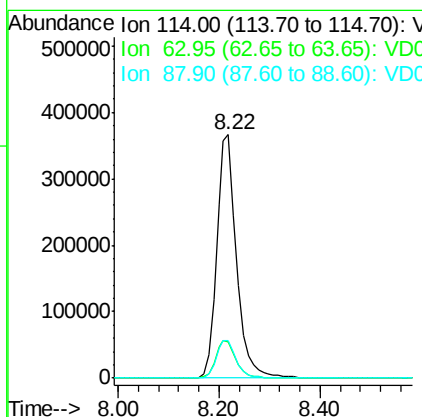
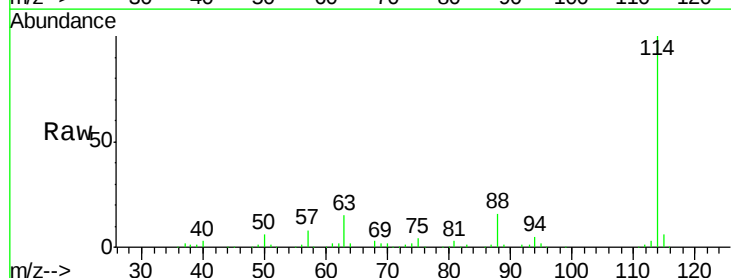
Instrument :
 MSVOA_D
 ClientSampleId :

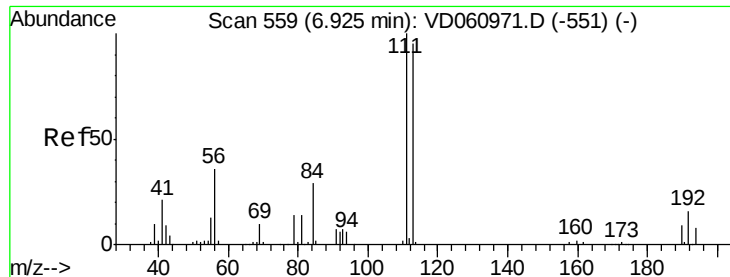
Tot Ion: 65 Resp: 263043
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061144.D
 Acq: 18 Mar 2019 14:42

Tgt Ion: 114 Resp: 1004077
 Ion Ratio Lower Upper
 114 100
 63 15.1 0.0 31.4
 88 15.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061144.D

Acq: 18 Mar 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

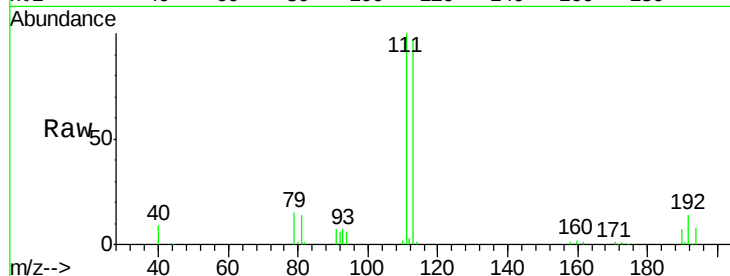
Tot Ion:113 Resp: 434953

Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.4

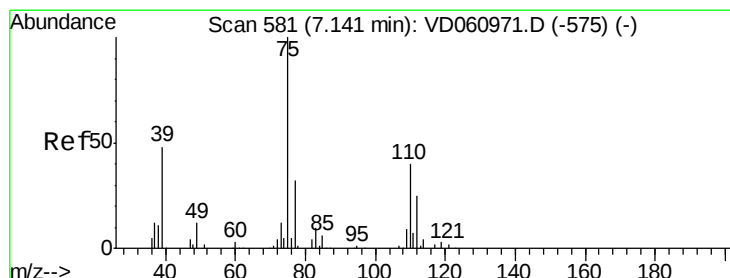
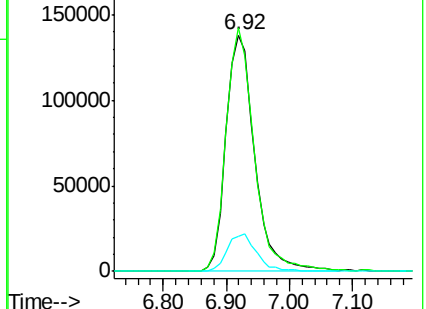
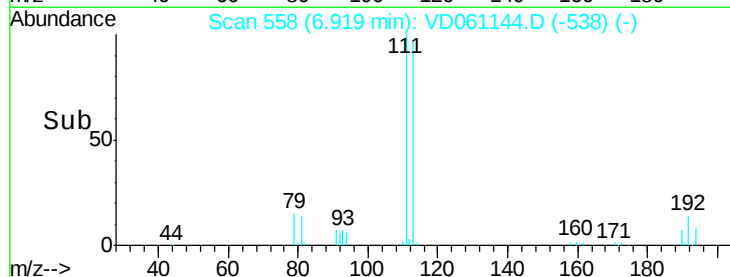
192 14.7 13.1 19.7



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: 4.699 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD061144.D

Acq: 18 Mar 2019 14:42

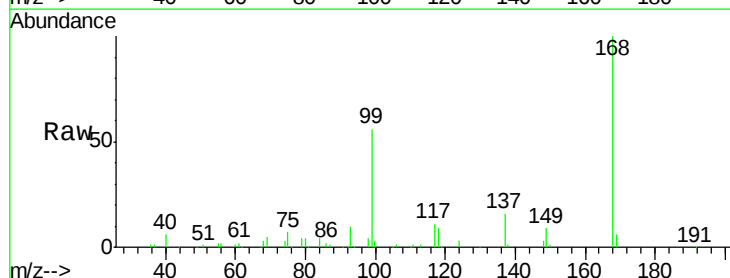
Tgt Ion: 75 Resp: 40670

Ion Ratio Lower Upper

75 100

110 6.2 19.7 59.1#

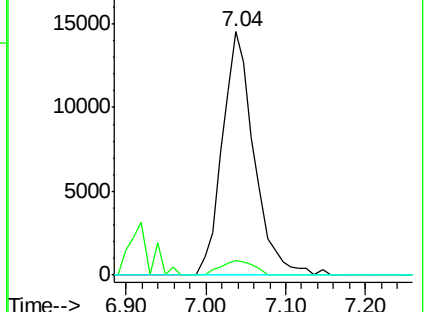
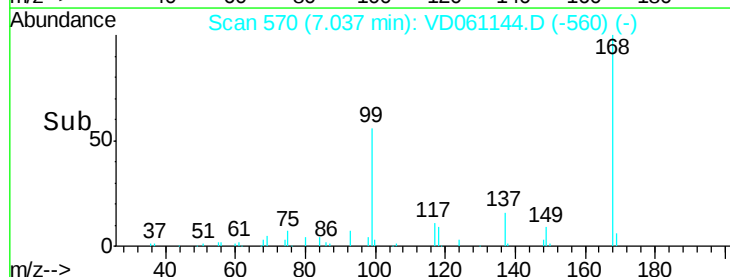
77 0.0 24.7 37.1#

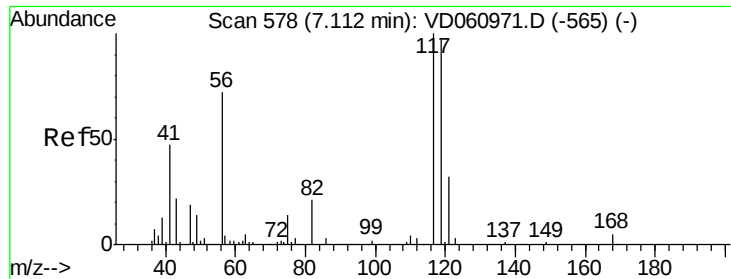


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

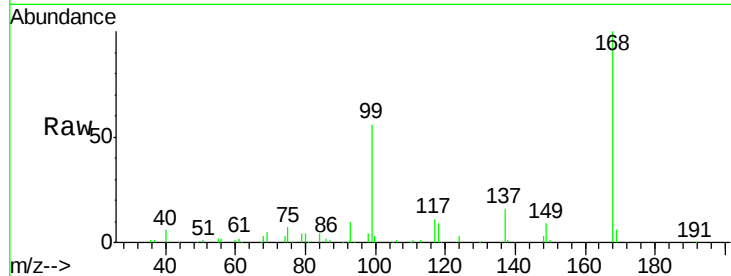




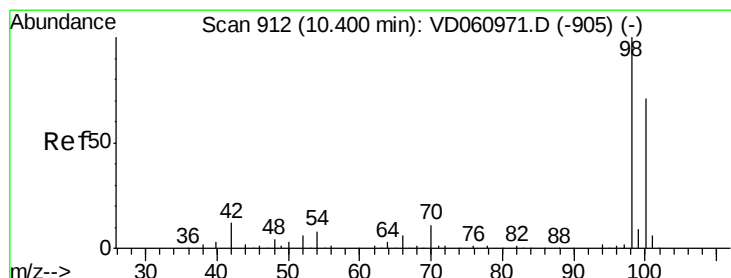
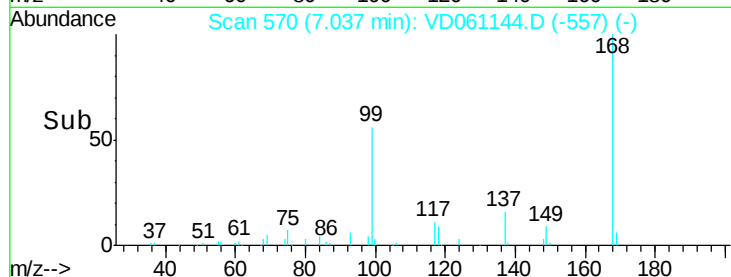
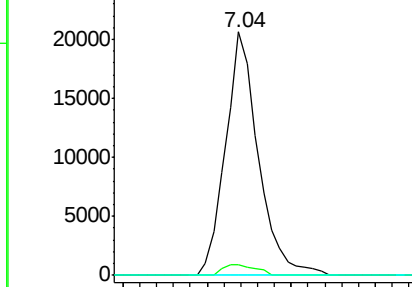
#38
Carbon Tetrachloride
Concen: 5.872 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061144.D
Acq: 18 Mar 2019 14:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 55981
Ion Ratio Lower Upper
117 100
119 4.4 77.8 116.8#
121 0.0 25.3 37.9#

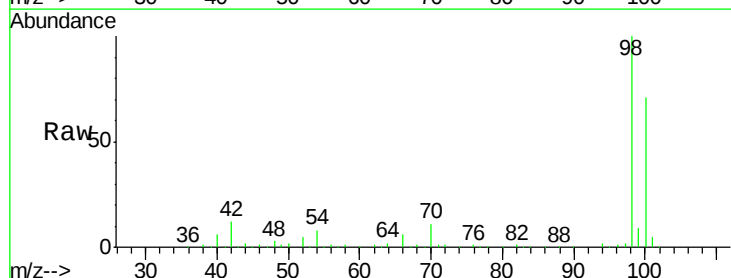


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

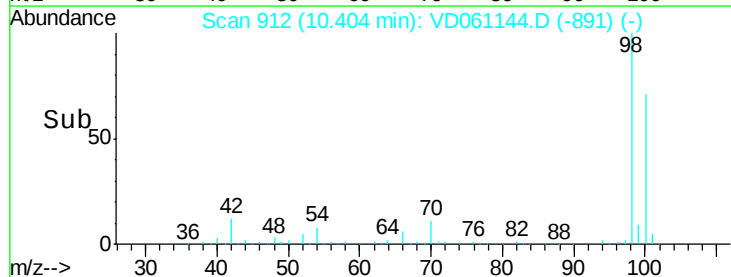
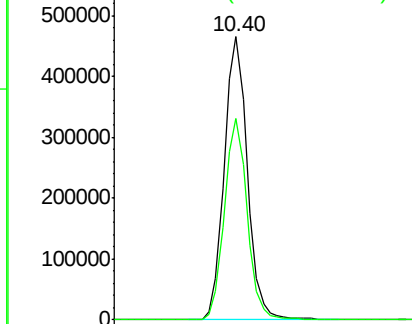


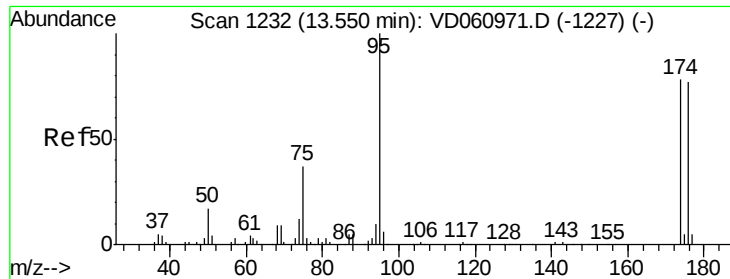
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061144.D
Acq: 18 Mar 2019 14:42

Tgt Ion: 98 Resp: 1085696
Ion Ratio Lower Upper
98 100
100 71.0 57.4 86.2



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061144.D

Acq: 18 Mar 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

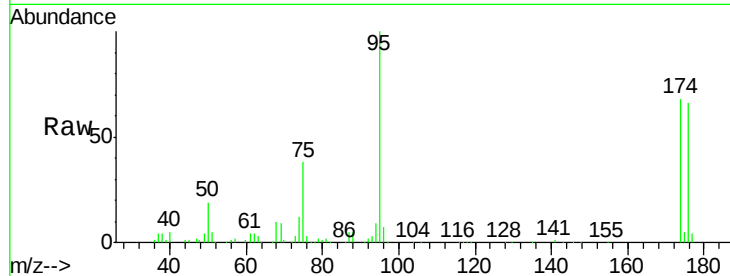
Tot Ion: 95 Resp: 406425

Ion Ratio Lower Upper

95 100

174 68.1 0.0 155.6

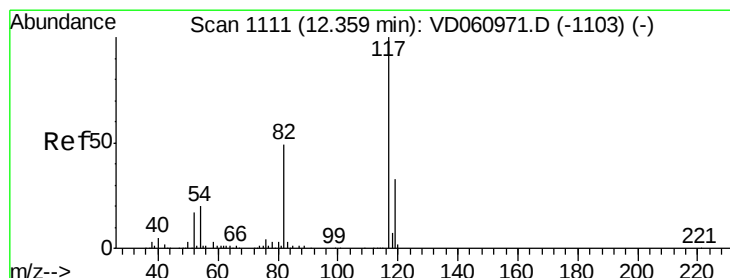
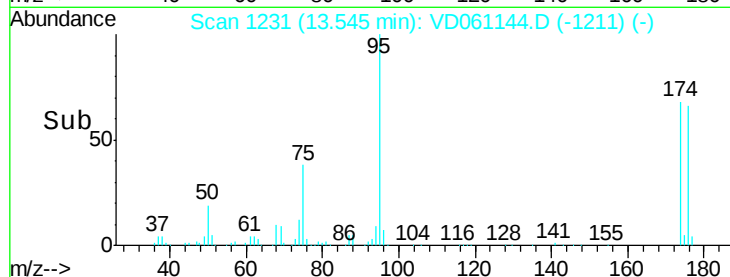
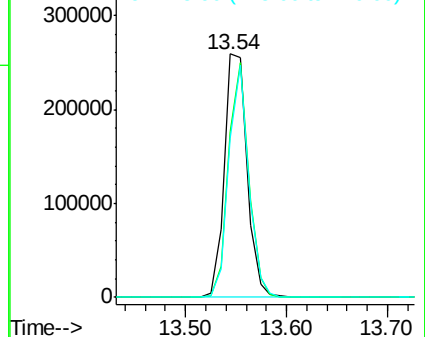
176 65.5 0.0 153.8



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. 0.00 min

Lab File: VD061144.D

Acq: 18 Mar 2019 14:42

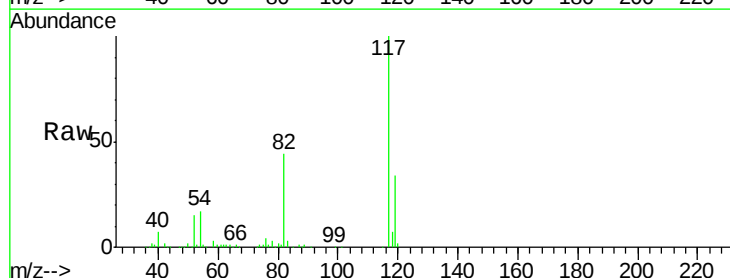
Tgt Ion: 117 Resp: 808759

Ion Ratio Lower Upper

117 100

82 43.9 38.9 58.3

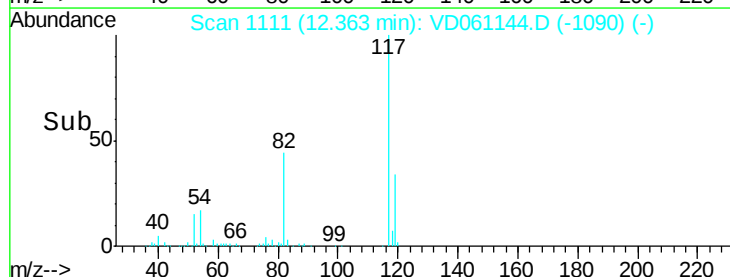
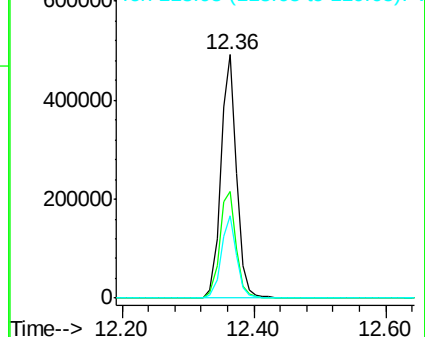
119 33.6 26.6 39.8

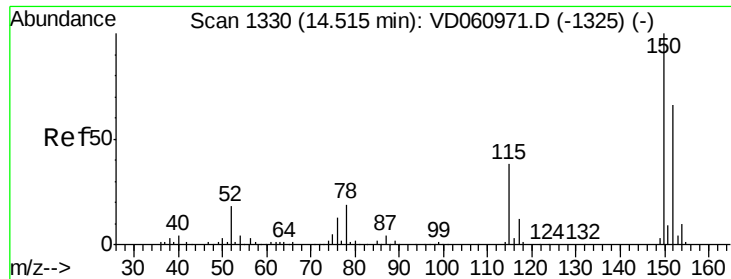


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



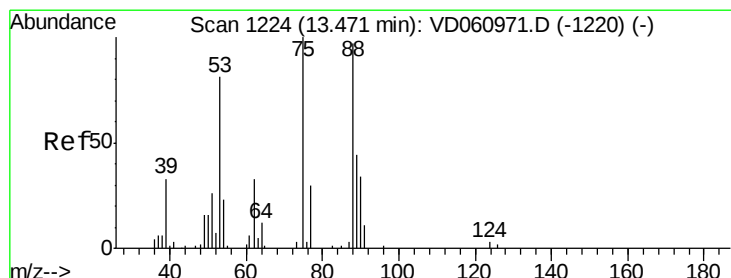
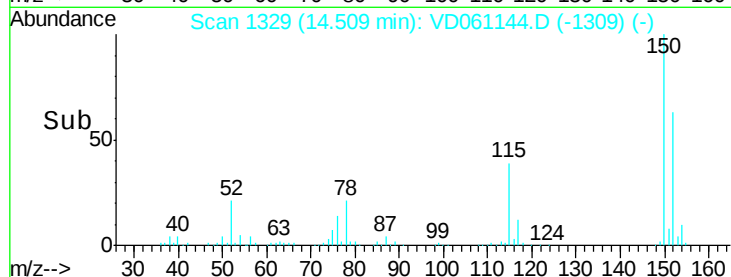
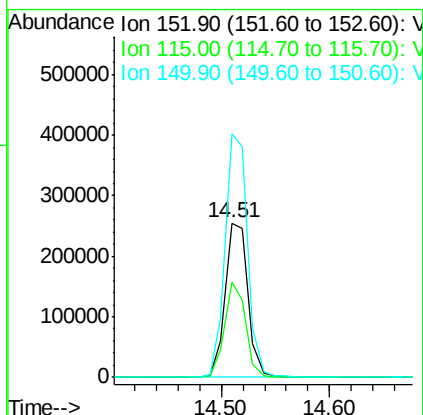
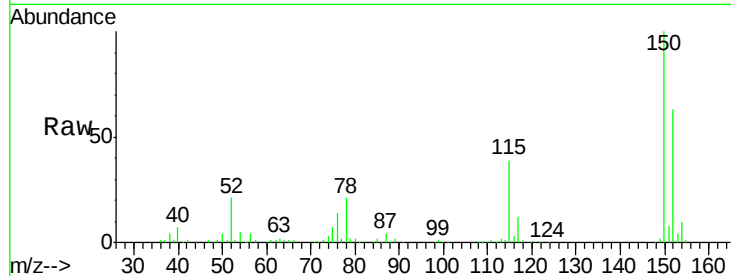


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061144.D
Acq: 18 Mar 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 371308
Ion Ratio Lower Upper
152 100
115 61.6 28.6 85.9
150 158.1 0.0 310.6



#81

trans-1,4-Dichloro-2-butene
Concen: 93.792 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD061144.D
Acq: 18 Mar 2019 14:42

Tgt Ion: 75 Resp: 147715
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 34.8 52.2#

