

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061143.D
 Acq On : 18 Mar 2019 14:14
 Operator : VA/AP
 Sample : K1685-03RE
 Misc : 5.62g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:16:02 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	601227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	990151	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	860737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	331507	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	268036	53.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.12%	
35) Dibromofluoromethane	6.91	113	409634	55.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.50%	
50) Toluene-d8	10.40	98	896542	48.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	13.55	95	346365	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.33	142	663	2.995	ug/l #	39
11) Tert butyl alcohol	3.99	59	9998	31.381	ug/l #	75
16) Acetone	3.22	43	17262	12.062	ug/l #	86
20) Methylene Chloride	3.82	84	6659	Below Cal	#	92
31) Cyclohexane	7.03	56	10147	1.146	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	44751	5.243	ug/l #	46
38) Carbon Tetrachloride	7.03	117	57595	6.126	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	127707	90.824	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061143.D

Acq: 18 Mar 2019 14:14

Instrument :

MSVOA_D

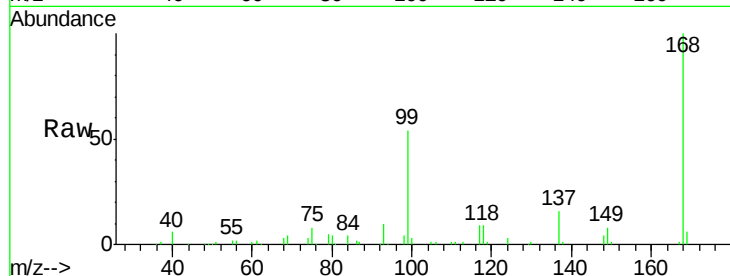
ClientSampled :

Tot Ion:168 Resp: 601227

Ion Ratio Lower Upper

168 100

99 53.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

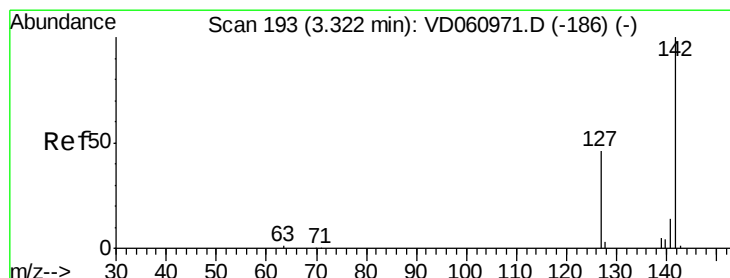
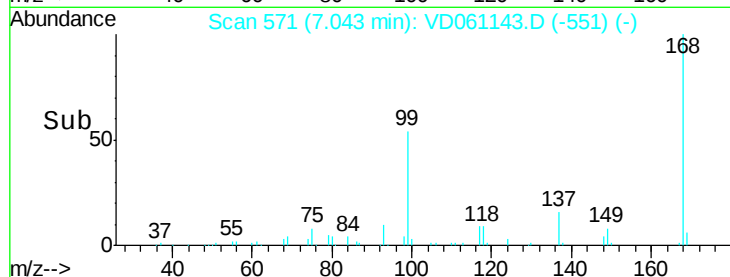
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 2.995 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD061143.D

Acq: 18 Mar 2019 14:14

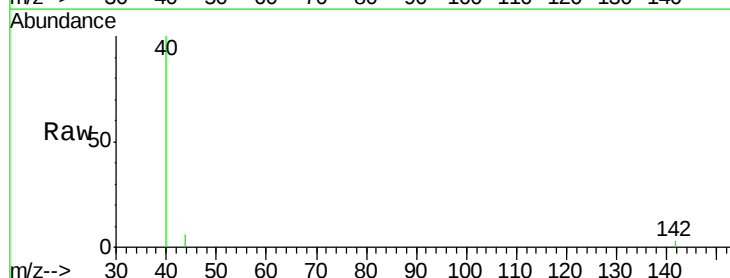
Tgt Ion:142 Resp: 663

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

600

500

400

300

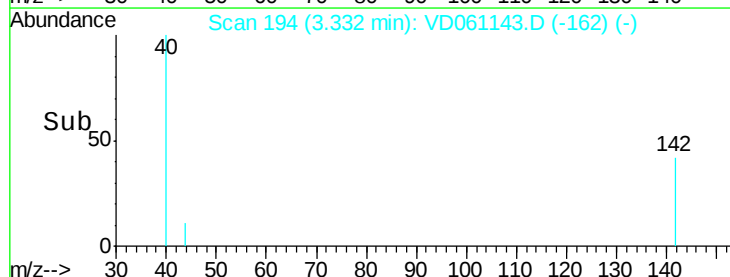
200

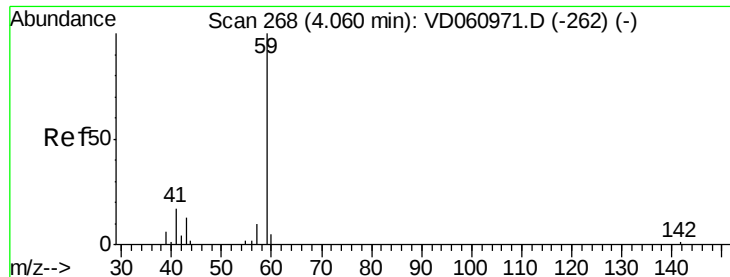
100

0

3.30 3.35

Time-->



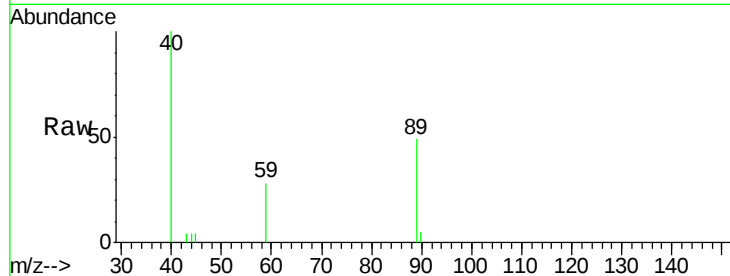


#11

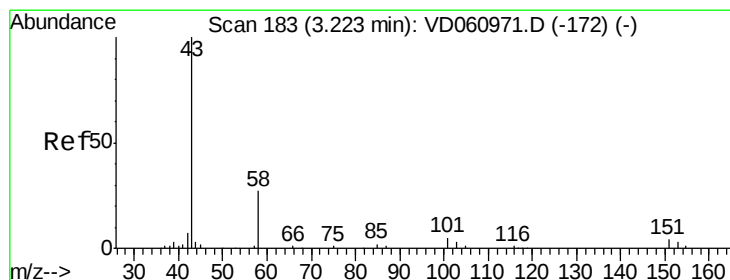
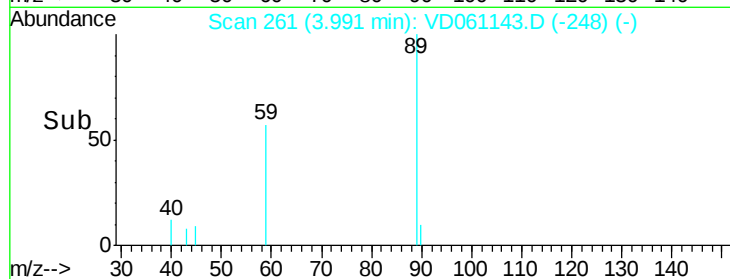
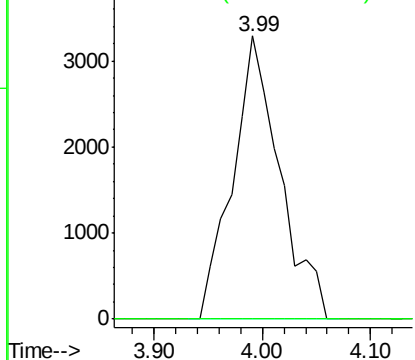
Tert butyl alcohol
Concen: 31.381 ug/l
RT: 3.99 min Scan# 261
Delta R.T. -0.07 min
Lab File: VD061143.D
Acq: 18 Mar 2019 14:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 59 Resp: 9998
Ion Ratio Lower Upper
59 100
57 0.0 7.1 10.7#



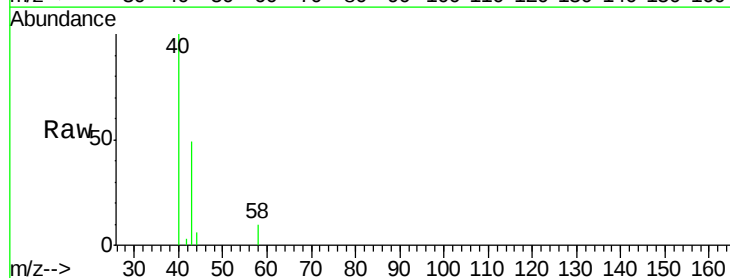
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



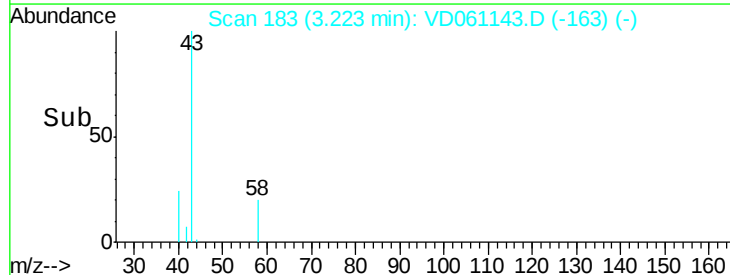
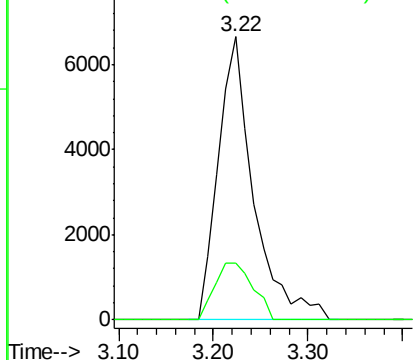
#16

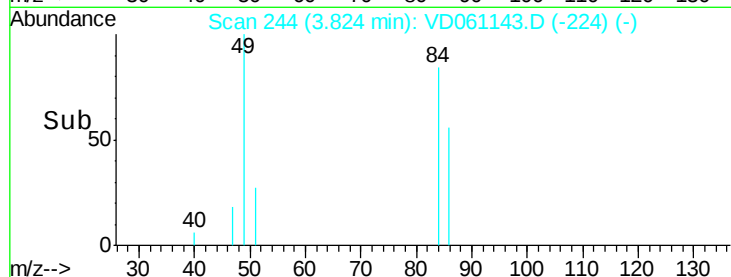
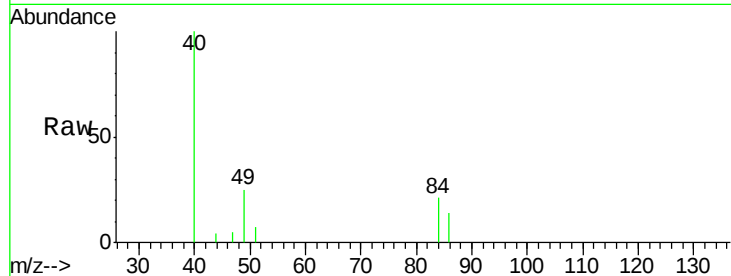
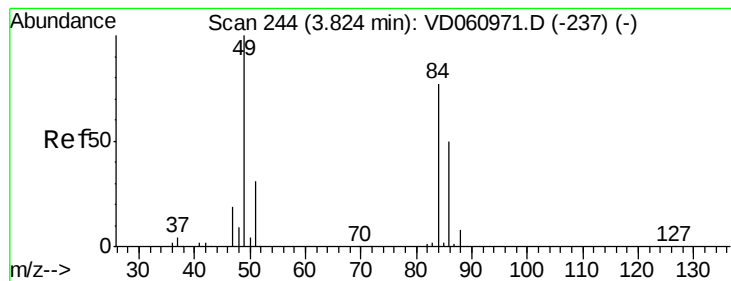
Acetone
Concen: 12.062 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD061143.D
Acq: 18 Mar 2019 14:14

Tgt Ion: 43 Resp: 17262
Ion Ratio Lower Upper
43 100
58 19.9 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 3.82 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD061143.D

Acq: 18 Mar 2019 14:14

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 6659

Ion Ratio Lower Upper

84 100

49 118.8 104.2 156.2

51 32.3 32.3 48.5#

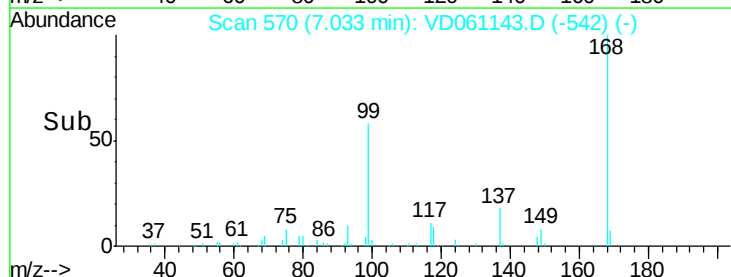
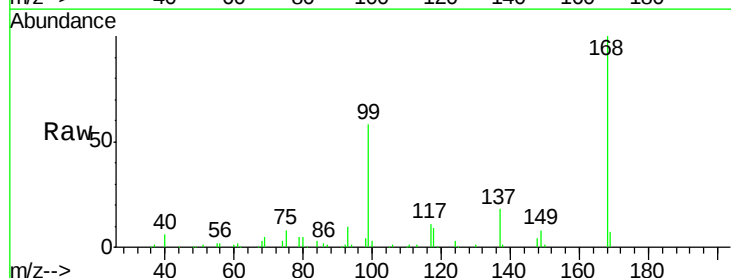
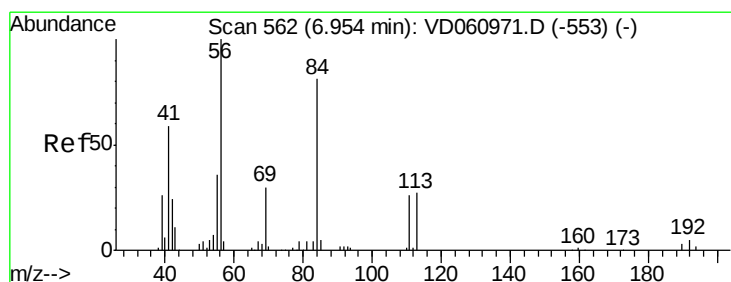
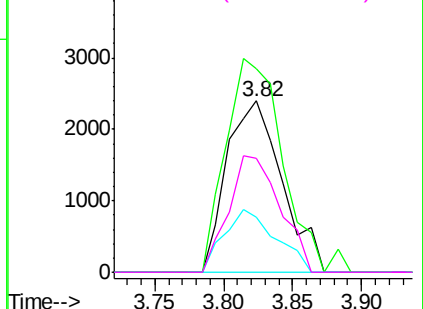
86 66.4 52.3 78.5

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: 1.146 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061143.D

Acq: 18 Mar 2019 14:14

Tgt Ion: 56 Resp: 10147

Ion Ratio Lower Upper

56 100

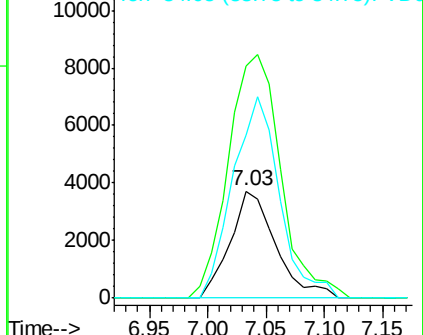
69 217.3 24.0 36.0#

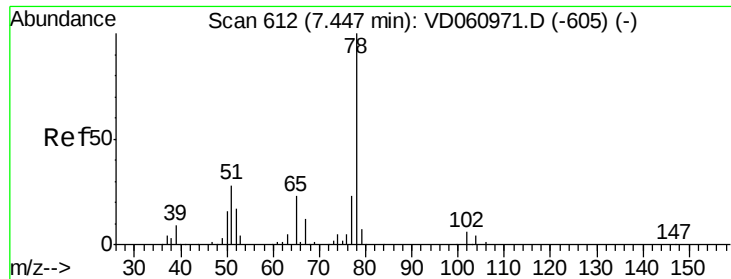
84 152.1 65.8 98.6#

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: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061143.D

Acq: 18 Mar 2019 14:14

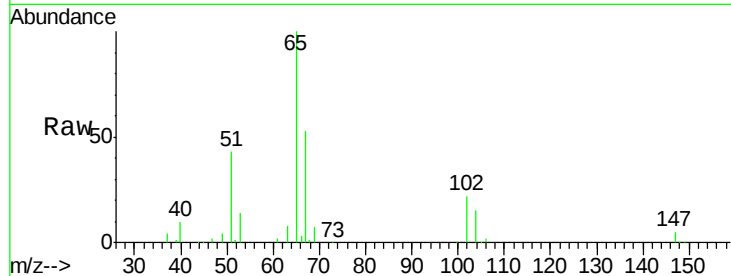
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 268036

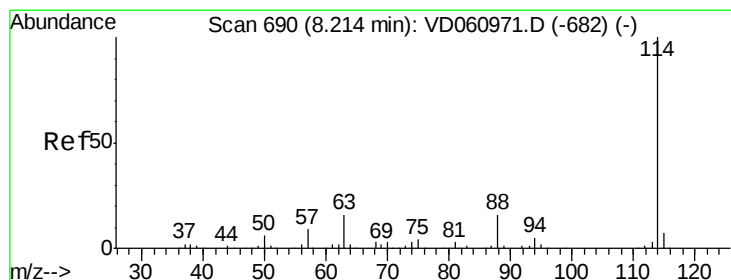
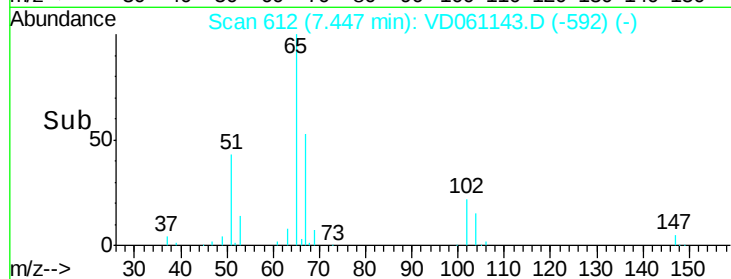
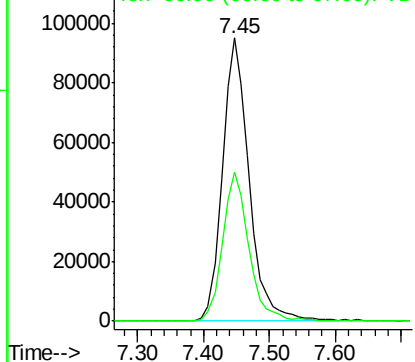
Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.2



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# 690

Delta R.T. 0.00 min

Lab File: VD061143.D

Acq: 18 Mar 2019 14:14

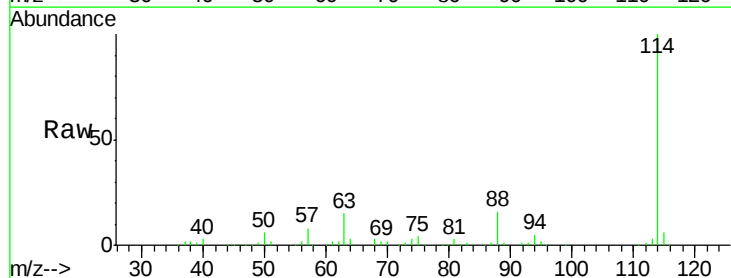
Tgt Ion: 114 Resp: 990151

Ion Ratio Lower Upper

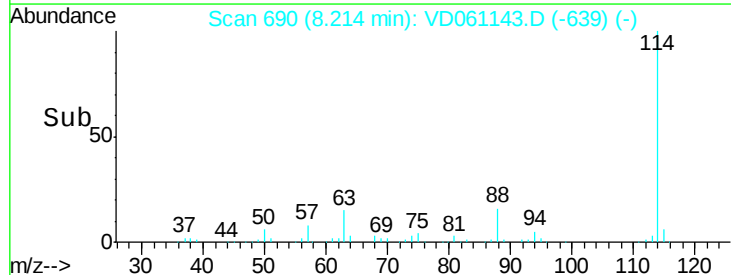
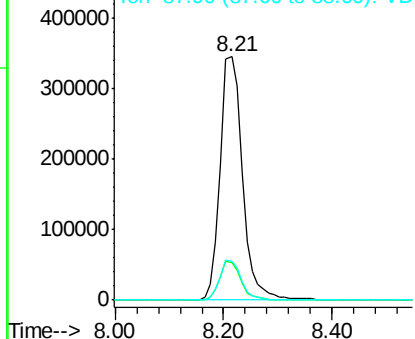
114 100

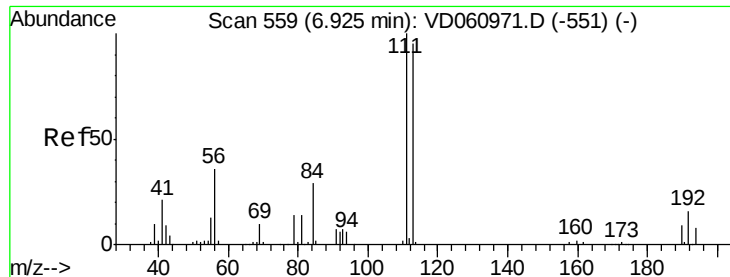
63 15.2 0.0 31.4

88 16.0 0.0 33.0



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

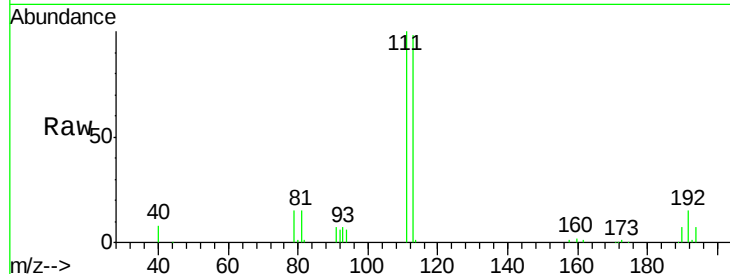




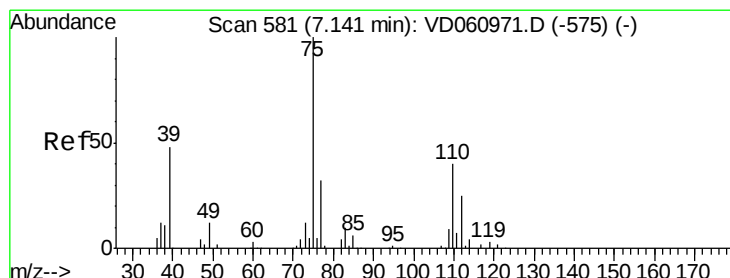
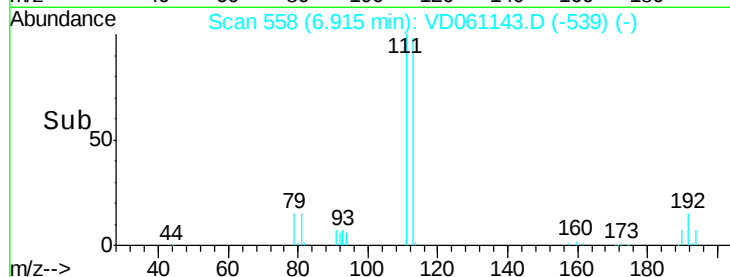
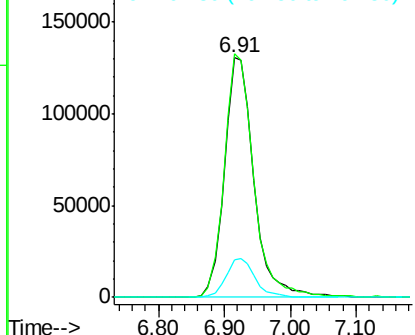
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD061143.D
Acq: 18 Mar 2019 14:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 409634
Ion Ratio Lower Upper
113 100
111 101.8 84.2 126.4
192 15.6 13.1 19.7

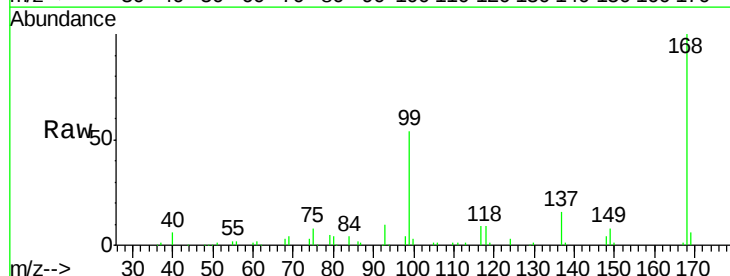


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

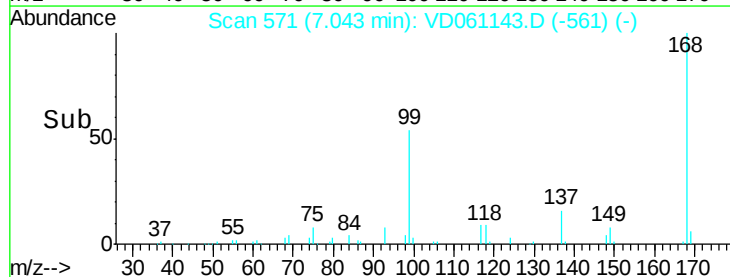
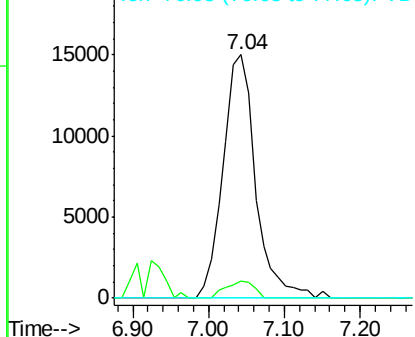


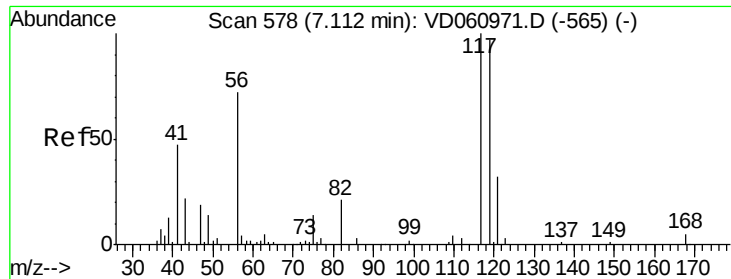
#36
1,1-Dichloropropene
Concen: 5.243 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.10 min
Lab File: VD061143.D
Acq: 18 Mar 2019 14:14

Tgt Ion: 75 Resp: 44751
Ion Ratio Lower Upper
75 100
110 7.0 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

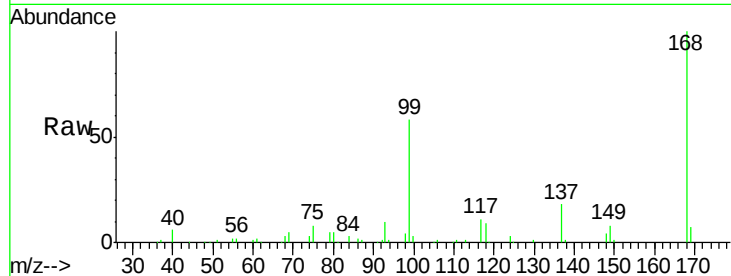




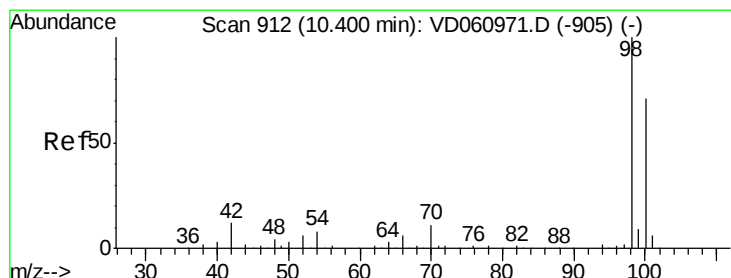
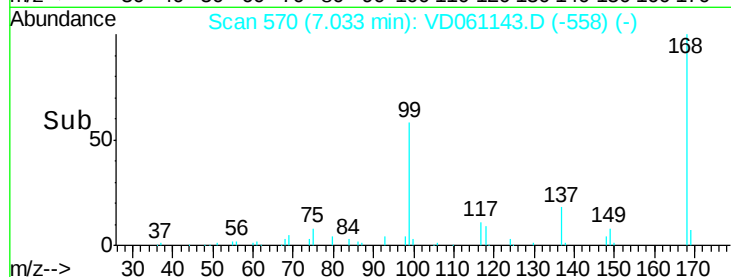
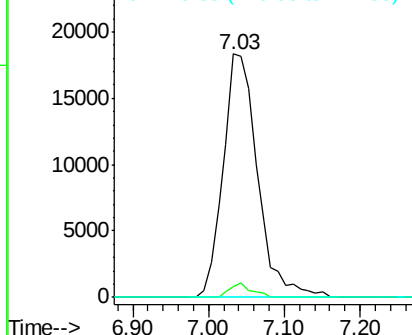
#38
Carbon Tetrachloride
Concen: 6.126 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD061143.D
Acq: 18 Mar 2019 14:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 57595
Ion Ratio Lower Upper
117 100
119 4.3 77.8 116.8#
121 0.0 25.3 37.9#

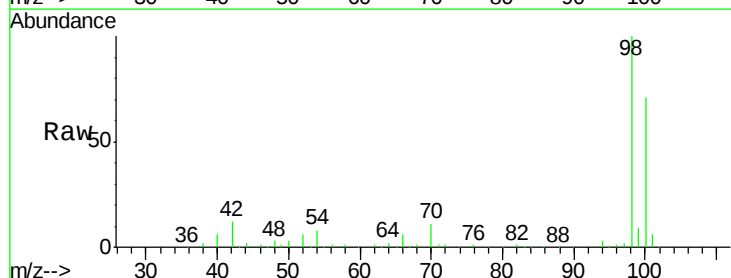


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

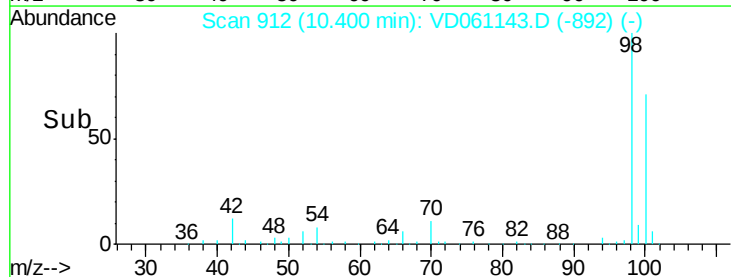
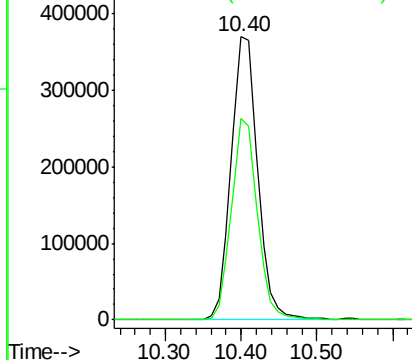


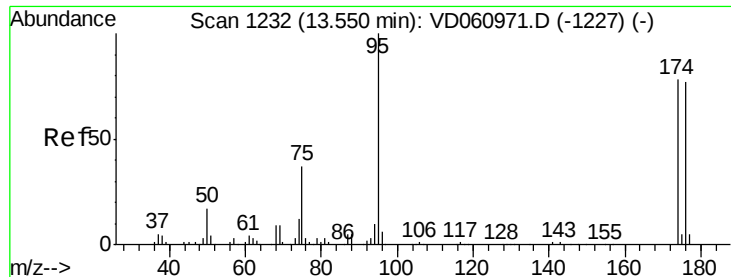
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061143.D
Acq: 18 Mar 2019 14:14

Tgt Ion: 98 Resp: 896542
Ion Ratio Lower Upper
98 100
100 71.1 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: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061143.D

Acq: 18 Mar 2019 14:14

Instrument :

MSVOA_D

ClientSampleId :

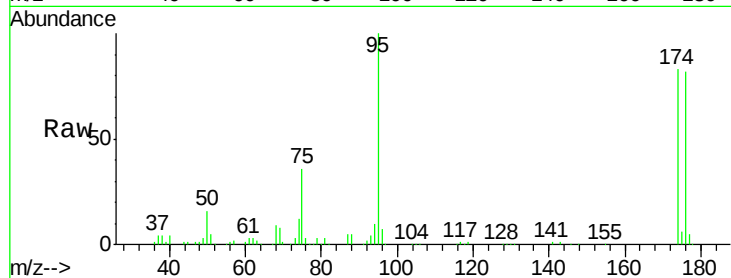
Tot Ion: 95 Resp: 346365

Ion Ratio Lower Upper

95 100

174 82.5 0.0 155.6

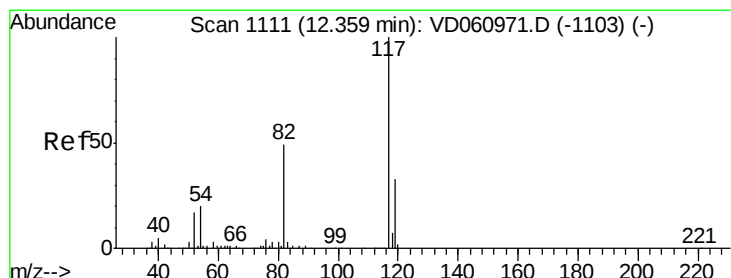
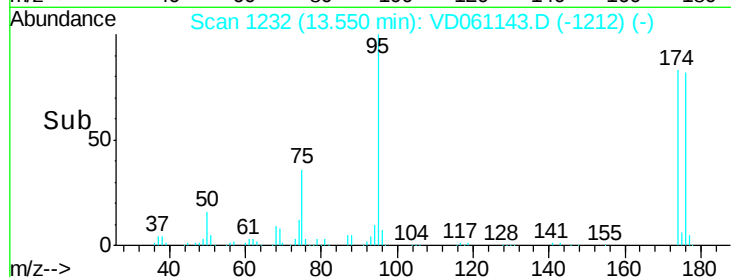
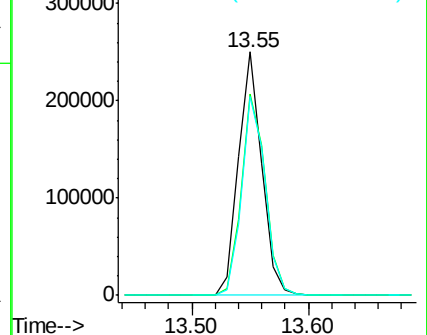
176 81.9 0.0 153.8



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: VD061143.D

Acq: 18 Mar 2019 14:14

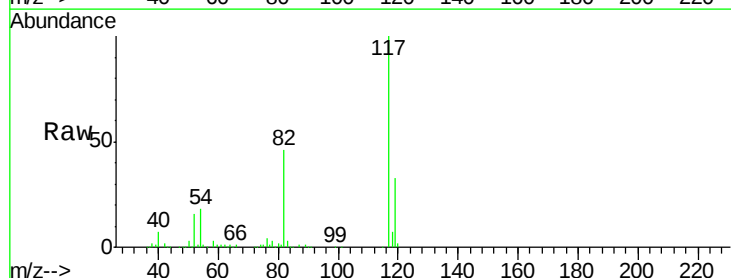
Tgt Ion: 117 Resp: 860737

Ion Ratio Lower Upper

117 100

82 46.1 38.9 58.3

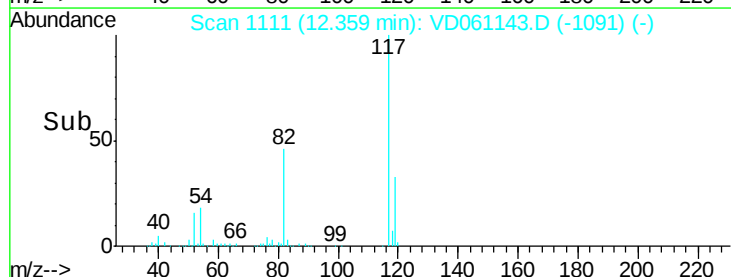
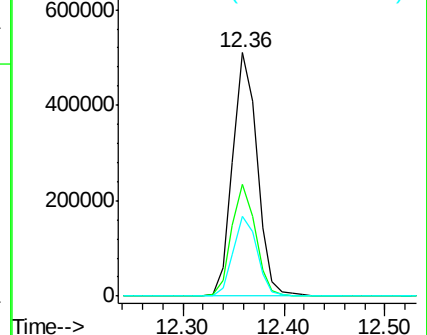
119 32.6 26.6 39.8

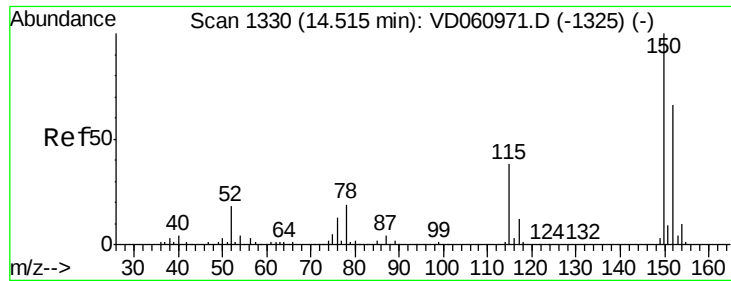


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. 0.00 min

Lab File: VD061143.D

Acq: 18 Mar 2019 14:14

Instrument :

MSVOA_D

ClientSampleId :

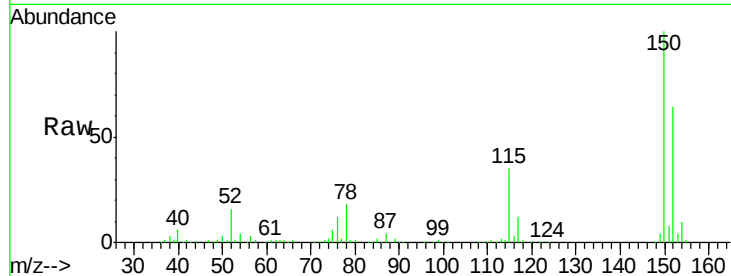
Tot Ion:152 Resp: 331507

Ion Ratio Lower Upper

152 100

115 54.5 28.6 85.9

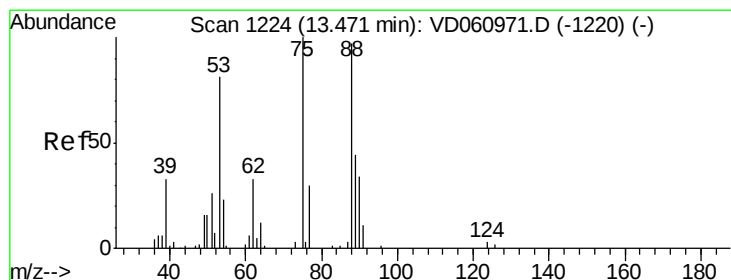
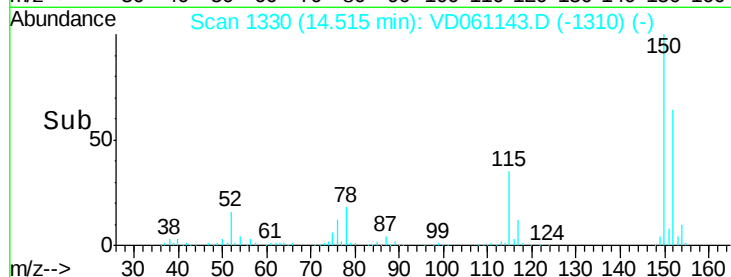
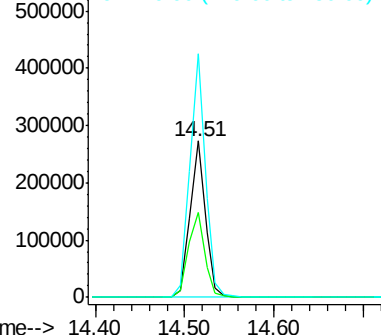
150 155.9 0.0 310.6



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: 90.824 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061143.D

Acq: 18 Mar 2019 14:14

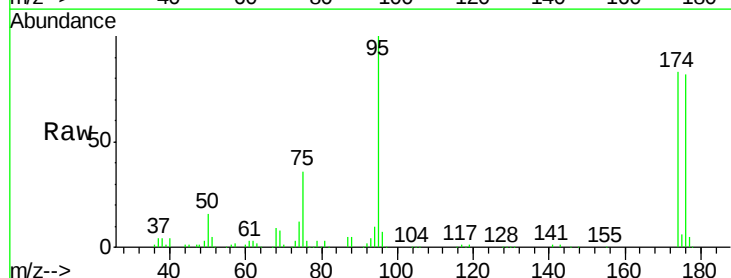
Tgt Ion: 75 Resp: 127707

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

