

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041919\
 Data File : VD061908.D
 Acq On : 19 Apr 2019 14:16
 Operator : VA/AP
 Sample : K2422-03
 Misc : 5.95g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-S

Quant Time: Apr 19 14:42:31 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	7.05	168	411146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	661289	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	500386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	179163	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	207816	60.31	ug/l	0.00
Spiked Amount			Recovery	=	120.62%	
35) Dibromofluoromethane	6.94	113	309136	61.88	ug/l	0.01
Spiked Amount			Recovery	=	123.76%	
50) Toluene-d8	10.42	98	574531	48.53	ug/l	0.01
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	13.56	95	195653	40.78	ug/l	0.00
Spiked Amount			Recovery	=	81.56%	

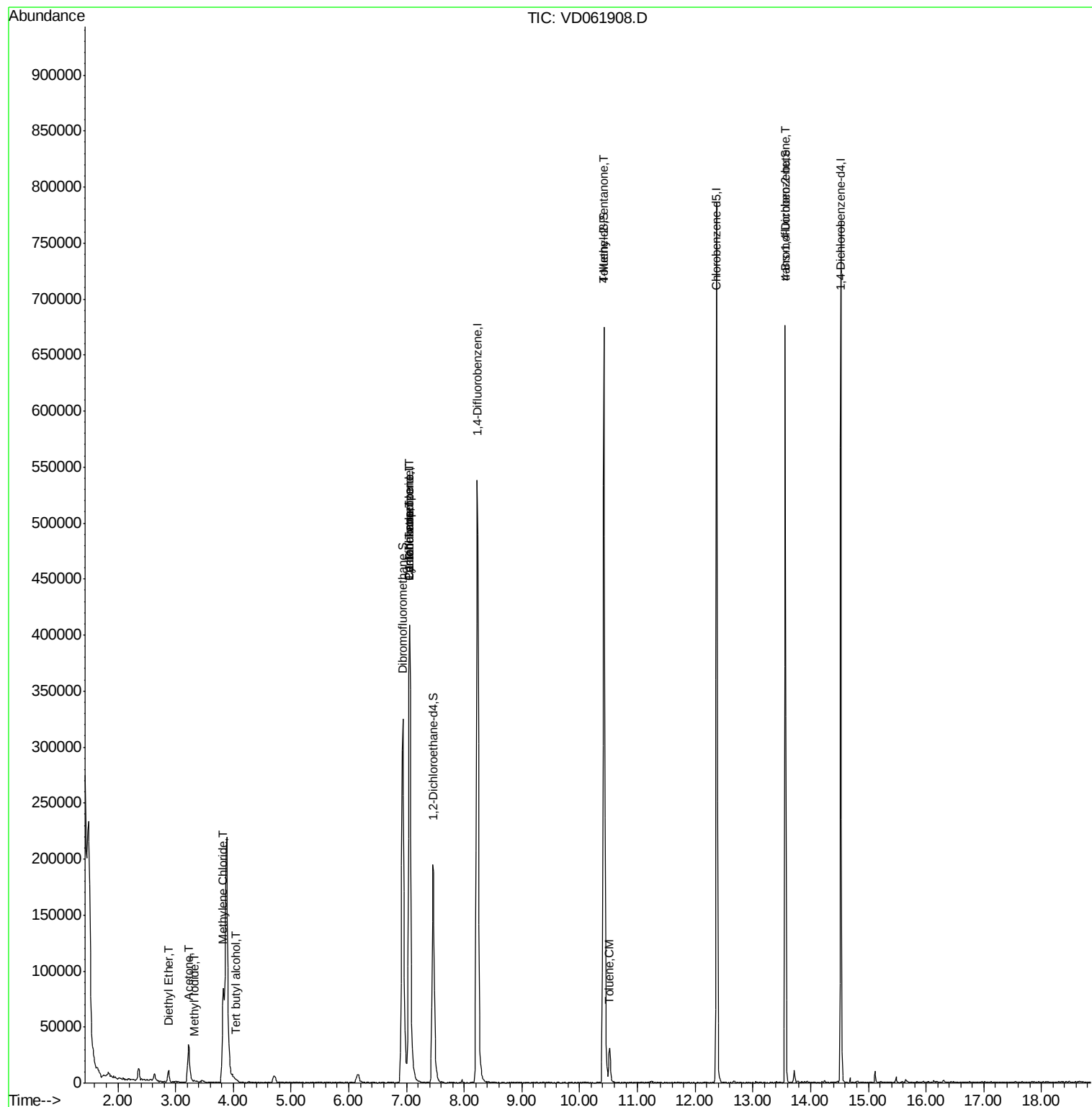
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	428	Below Cal	#	12
8) Diethyl Ether	2.88	74	4575	3.391	ug/l	86
10) Methyl Iodide	3.32	142	974	3.638	ug/l #	37
11) Tert butyl alcohol	4.05	59	1250	6.151	ug/l #	76
16) Acetone	3.22	43	66360	78.139	ug/l	99
20) Methylene Chloride	3.83	84	64429	11.754	ug/l	93
31) Cyclohexane	7.05	56	6328	1.213	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	28943	5.356	ug/l #	47
38) Carbon Tetrachloride	7.05	117	39357	5.768	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	2342	1.177	ug/l #	1
52) Toluene	10.52	92	16104	1.937	ug/l	87
81) trans-1,4-Dichloro-2-buten	13.56	75	75733	96.029	ug/l #	16

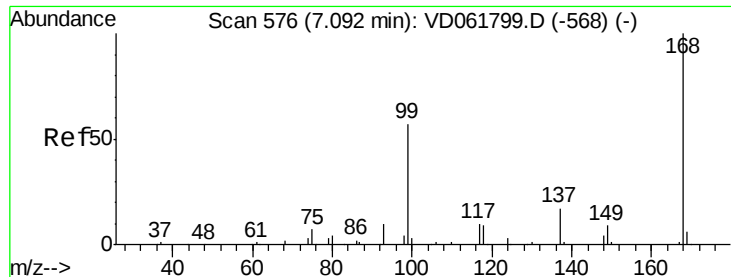
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061908.D

Acq: 19 Apr 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

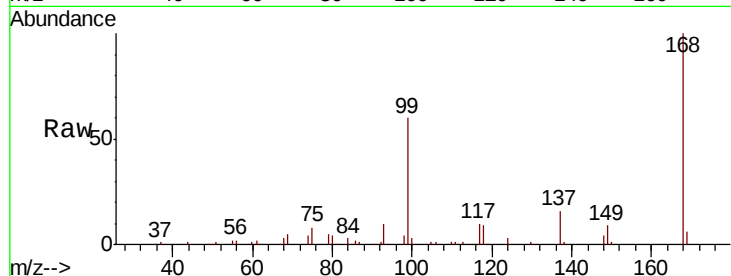
TP1-S

Tgt Ion:168 Resp: 411146

Ion Ratio Lower Upper

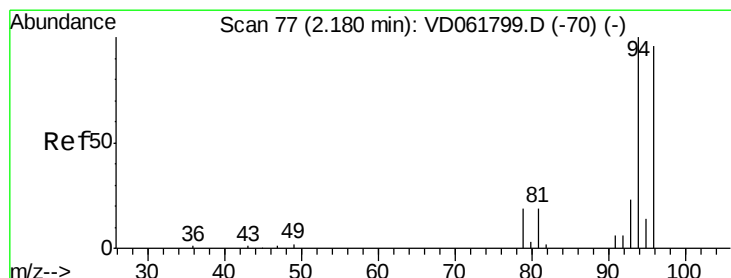
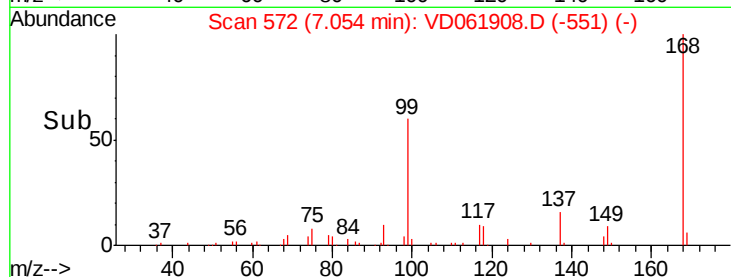
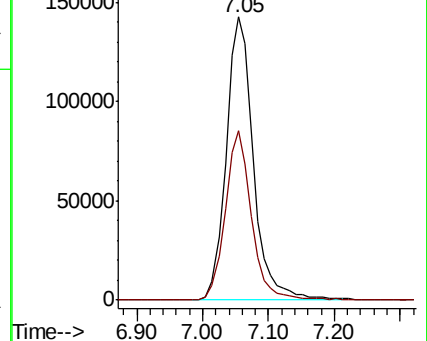
168 100

99 59.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD061908.D

Acq: 19 Apr 2019 14:16

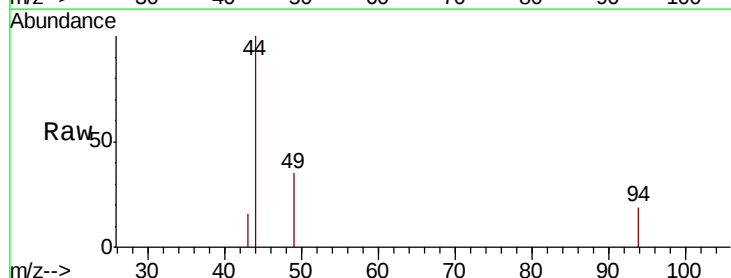
Tgt Ion: 94 Resp: 428

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

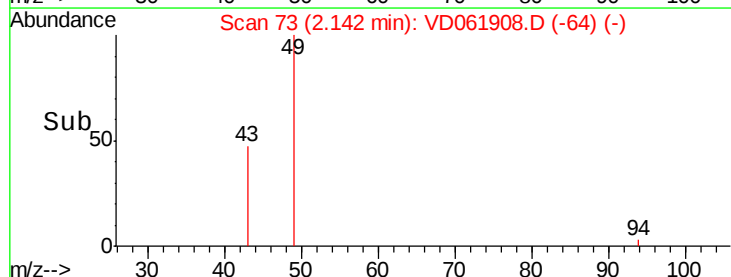
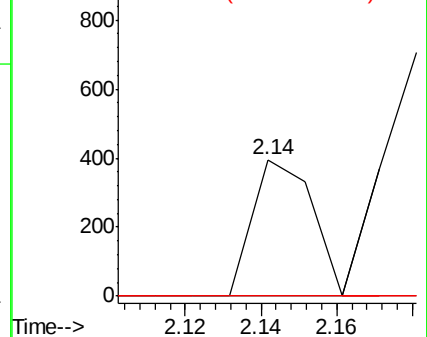
93 0.0 18.5 27.7#

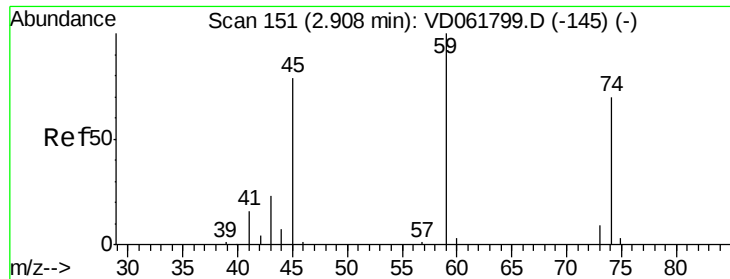


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 3.391 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.01 min

Lab File: VD061908.D

Acq: 19 Apr 2019 14:16

Instrument :

MSVOA_D

ClientSampled :

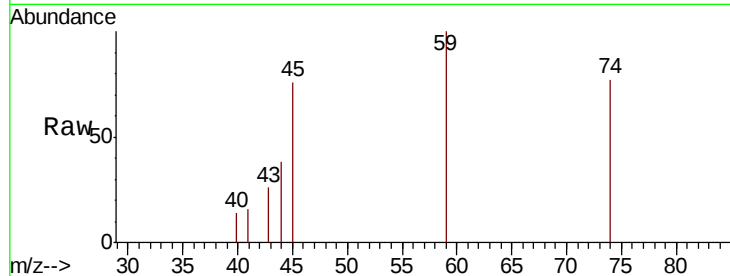
TP1-S

Tgt Ion: 74 Resp: 4575

Ion Ratio Lower Upper

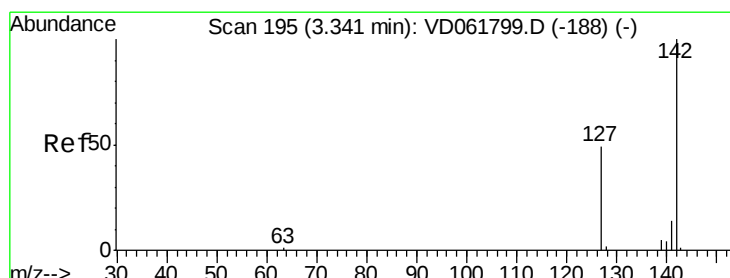
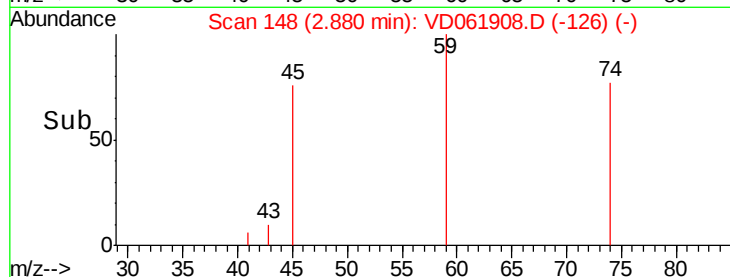
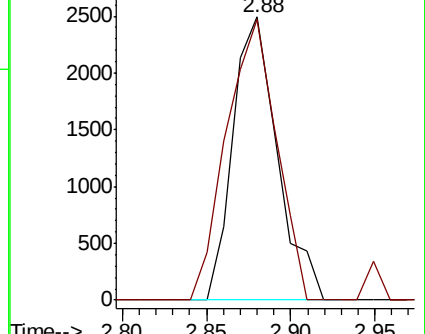
74 100

45 99.1 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

Methyl Iodide

Concen: 3.638 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.01 min

Lab File: VD061908.D

Acq: 19 Apr 2019 14:16

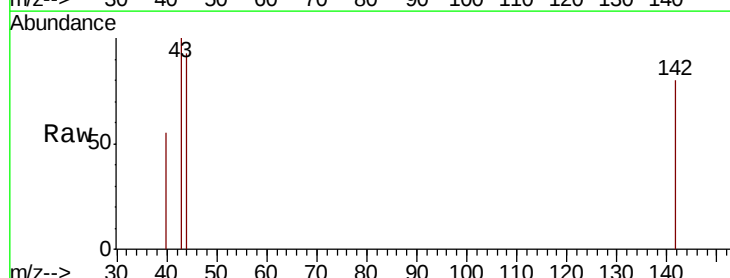
Tgt Ion: 142 Resp: 974

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

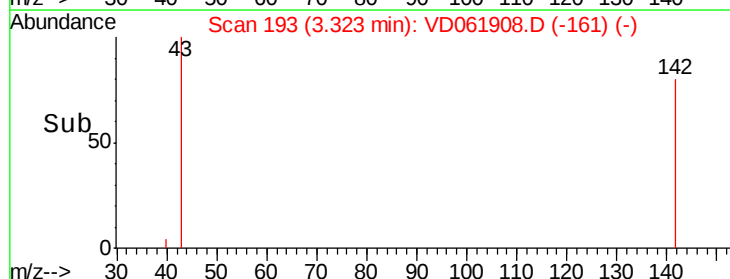
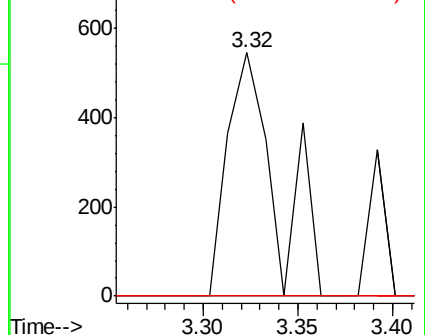
141 0.0 11.4 17.0#

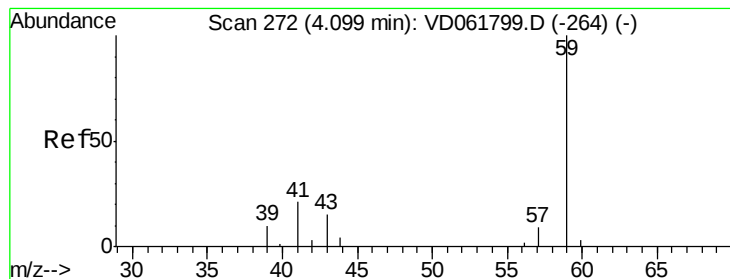


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



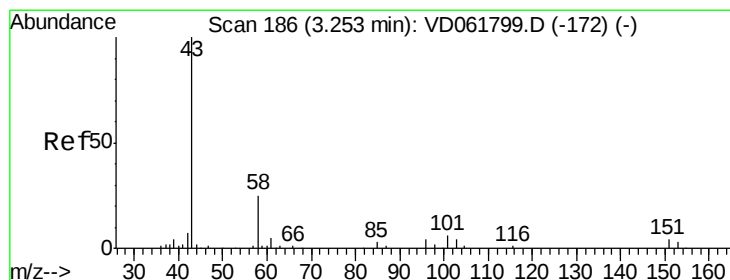
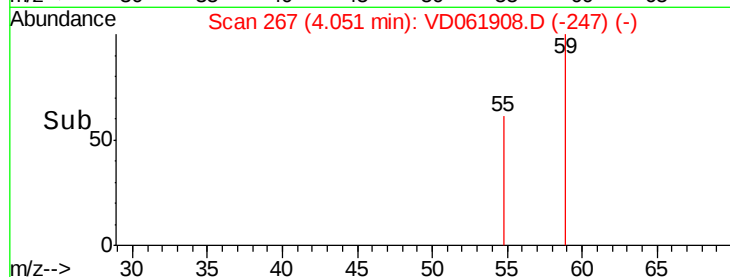
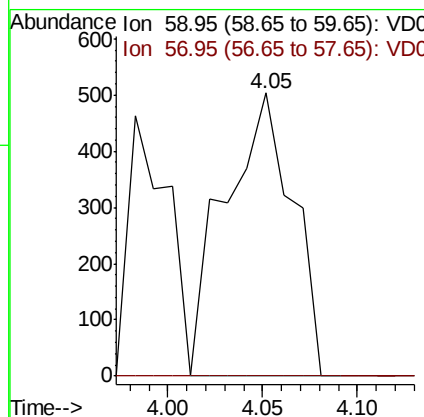
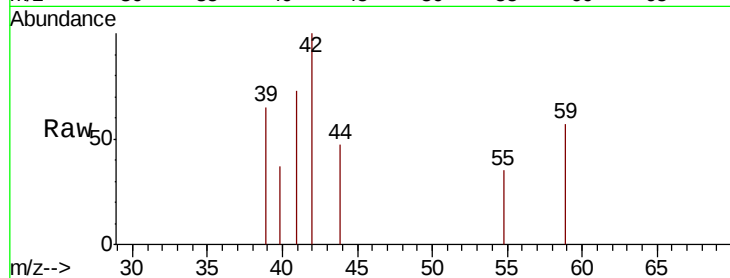


#11

Tert butyl alcohol
 Concen: 6.151 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. -0.01 min
 Lab File: VD061908.D
 Acq: 19 Apr 2019 14:16

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-S

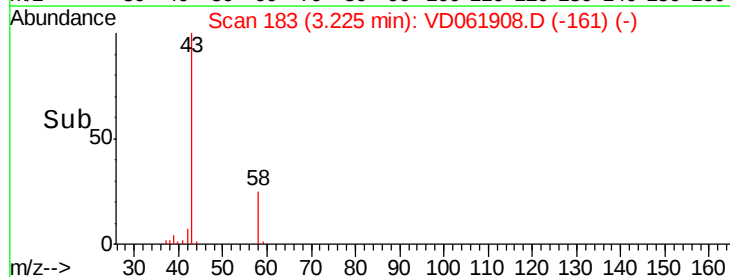
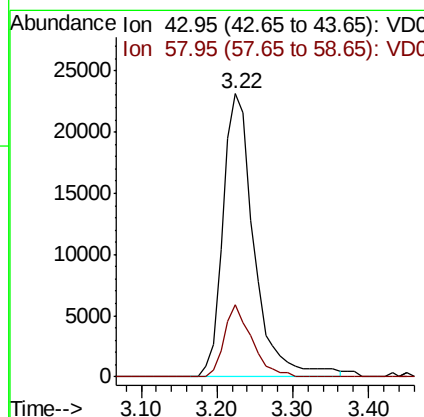
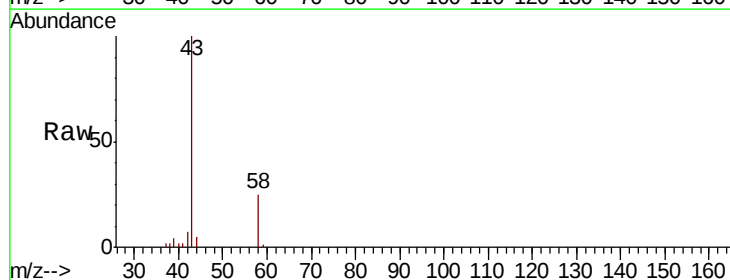
Tgt Ion: 59 Resp: 1250
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

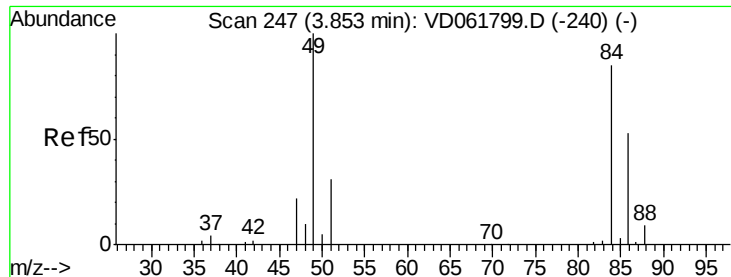


#16

Acetone
 Concen: 78.139 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VD061908.D
 Acq: 19 Apr 2019 14:16

Tgt Ion: 43 Resp: 66360
 Ion Ratio Lower Upper
 43 100
 58 25.5 19.9 29.9

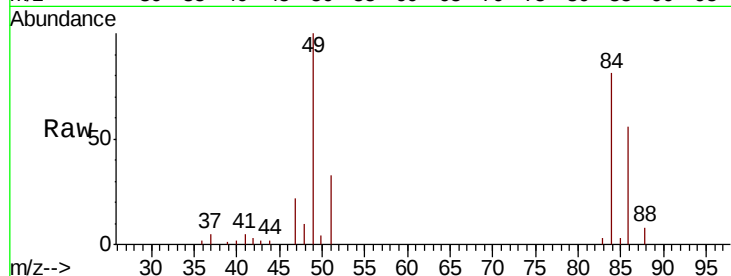




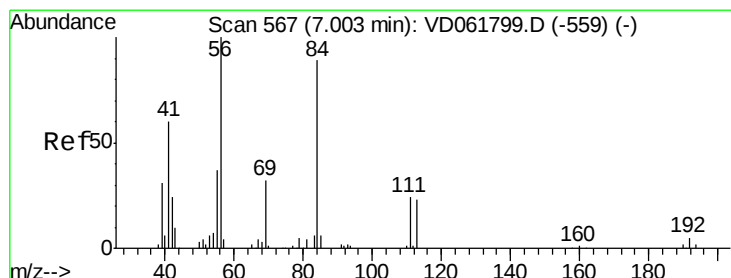
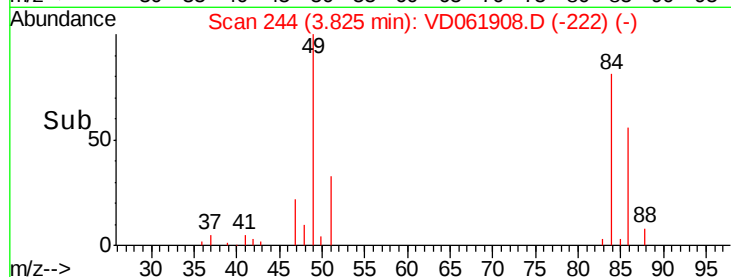
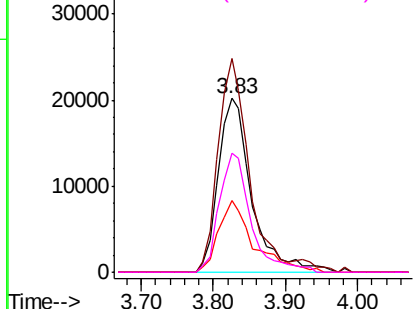
#20
Methylene Chloride
Concen: 11.754 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061908.D
Acq: 19 Apr 2019 14:16

Instrument :
MSVOA_D
ClientSampleId :
TP1-S

Tgt Ion: 84 Resp: 64429
Ion Ratio Lower Upper
84 100
49 123.0 94.0 141.0
51 41.0 29.0 43.4
86 68.9 49.8 74.6

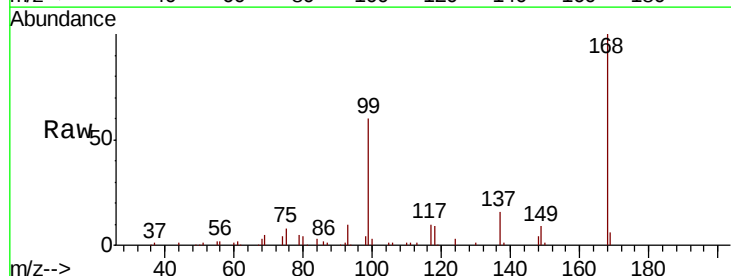


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

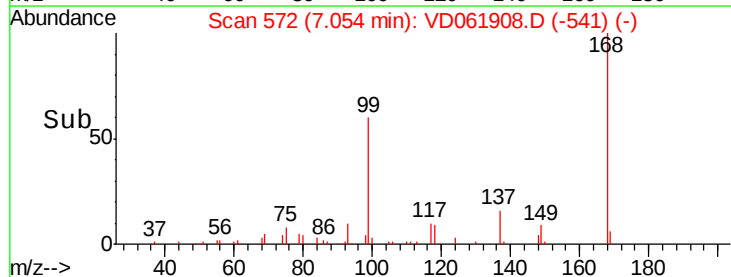
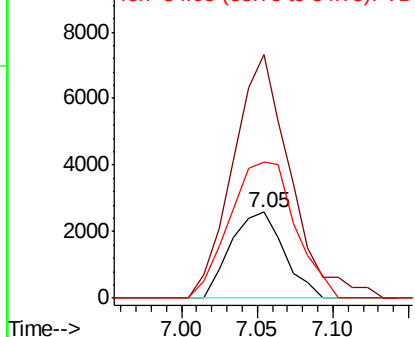


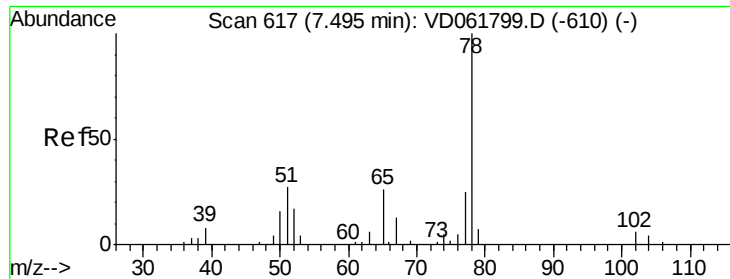
#31
Cyclohexane
Concen: 1.213 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD061908.D
Acq: 19 Apr 2019 14:16

Tgt Ion: 56 Resp: 6328
Ion Ratio Lower Upper
56 100
69 283.8 25.8 38.6#
84 158.3 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

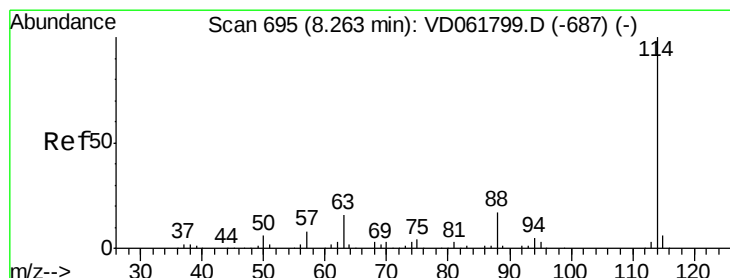
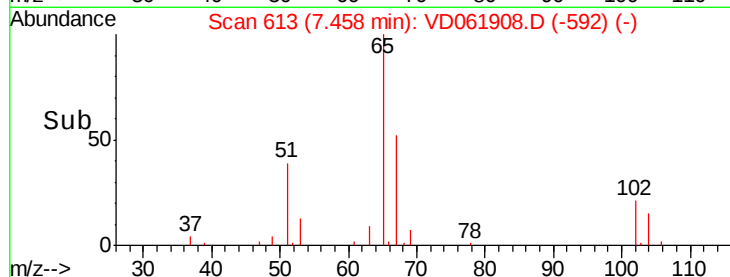
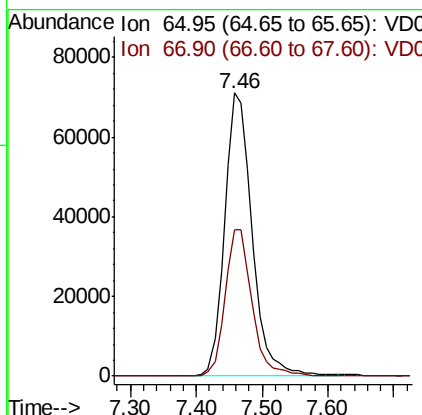
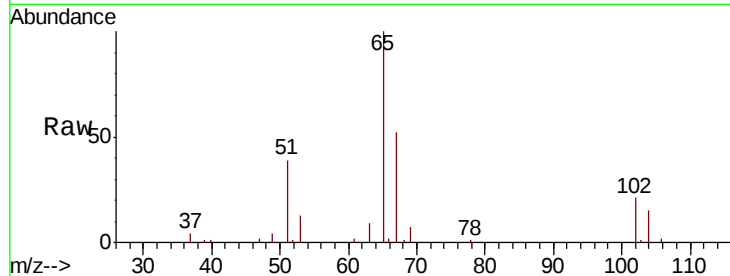




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061908.D
 Acq: 19 Apr 2019 14:16

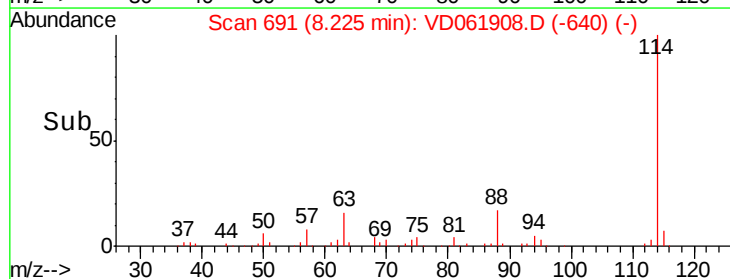
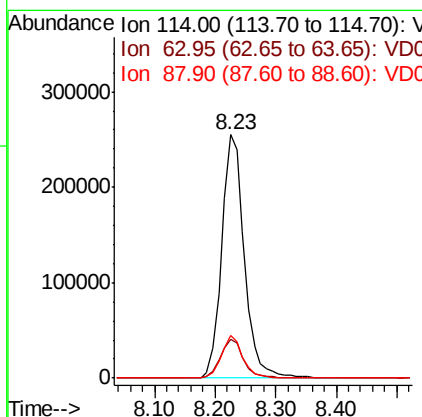
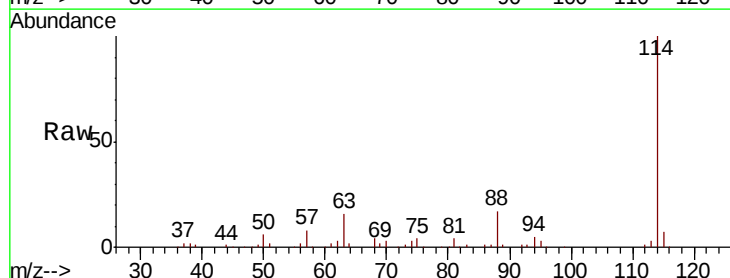
Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-S

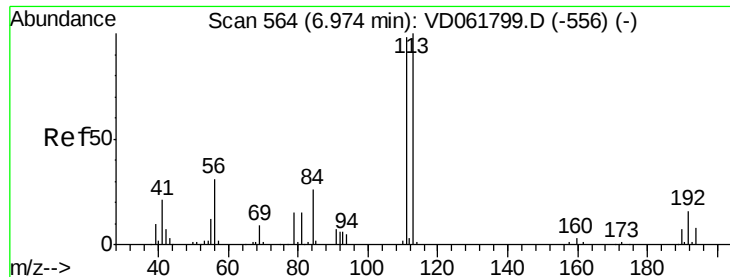
Tgt Ion: 65 Resp: 207816
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061908.D
 Acq: 19 Apr 2019 14:16

Tgt Ion: 114 Resp: 661289
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 32.4
 88 17.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061908.D

Acq: 19 Apr 2019 14:16

Instrument :

MSVOA_D

ClientSampled :

TP1-S

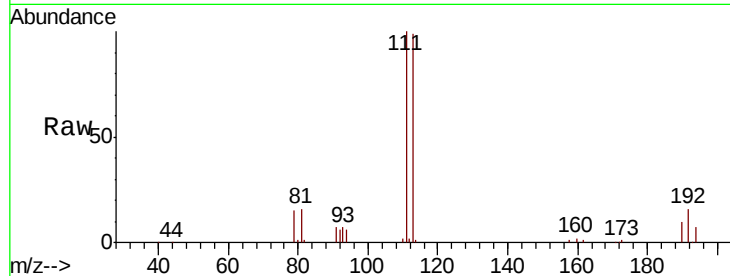
Tgt Ion:113 Resp: 309136

Ion Ratio Lower Upper

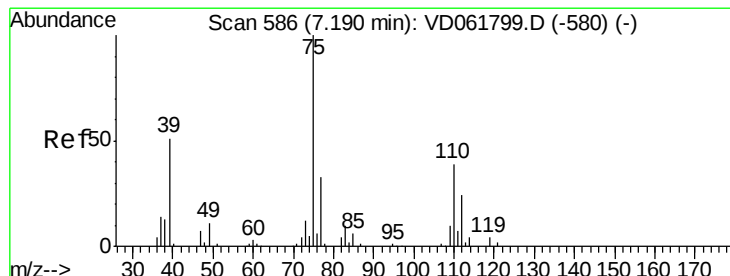
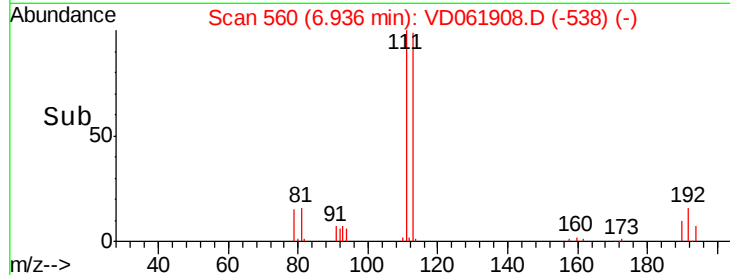
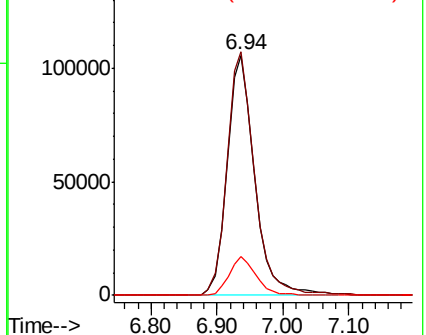
113 100

111 101.3 78.5 117.7

192 16.3 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: 5.356 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.10 min

Lab File: VD061908.D

Acq: 19 Apr 2019 14:16

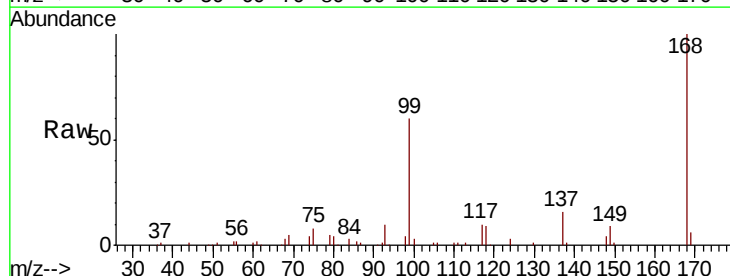
Tgt Ion: 75 Resp: 28943

Ion Ratio Lower Upper

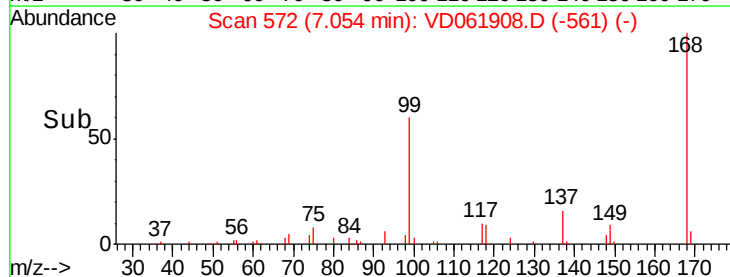
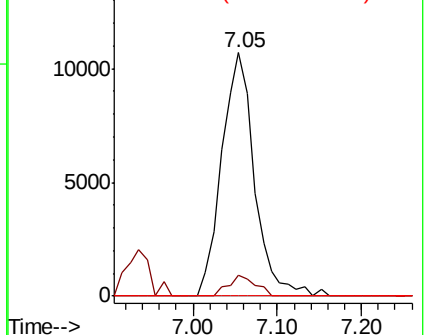
75 100

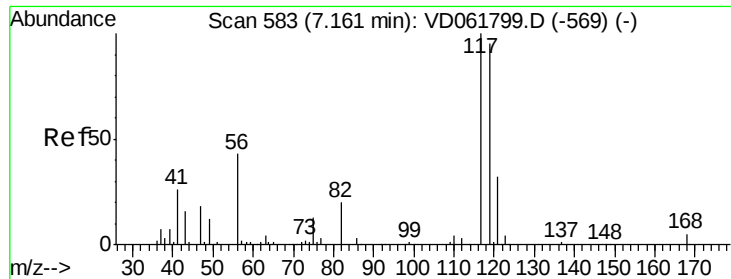
110 8.7 19.1 57.1#

77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.768 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061908.D

Acq: 19 Apr 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

TP1-S

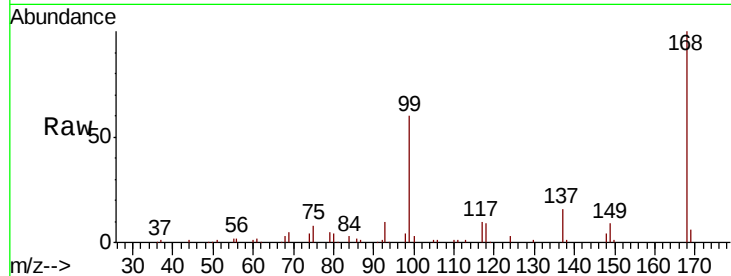
Tgt Ion:117 Resp: 39357

Ion Ratio Lower Upper

117 100

119 3.5 75.8 113.8#

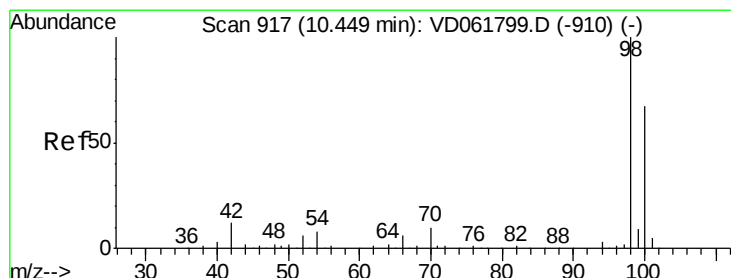
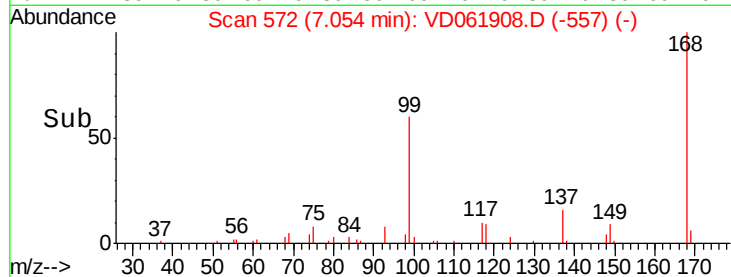
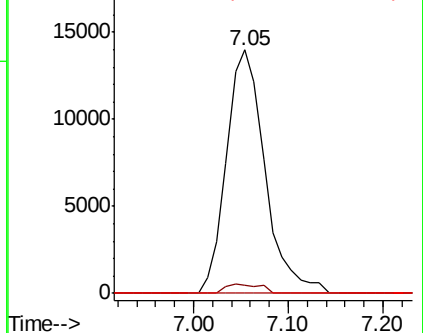
121 0.0 25.9 38.9#



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: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD061908.D

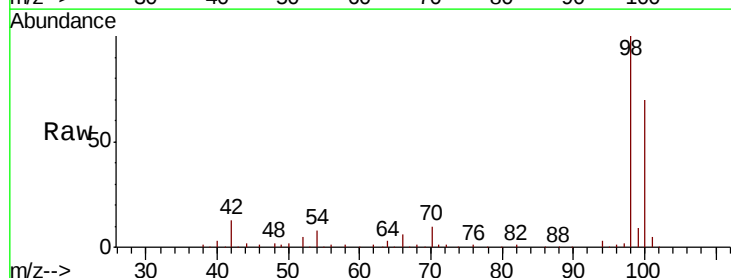
Acq: 19 Apr 2019 14:16

Tgt Ion: 98 Resp: 574531

Ion Ratio Lower Upper

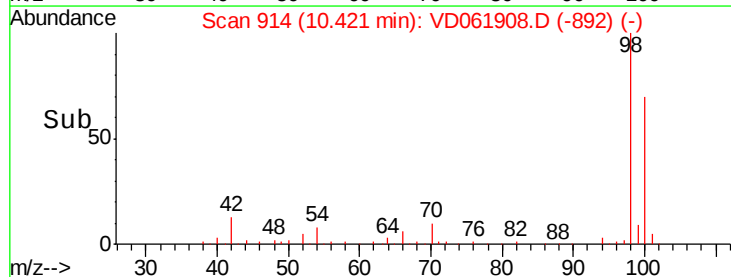
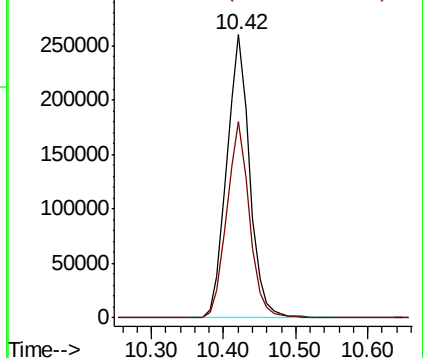
98 100

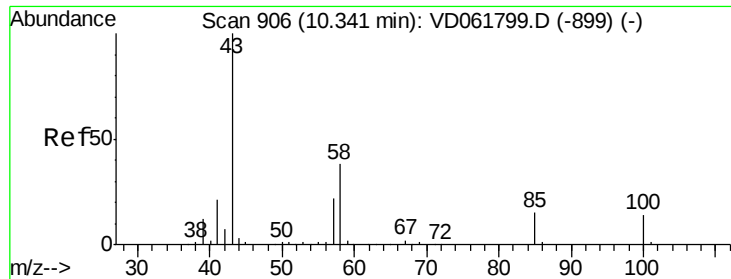
100 69.5 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

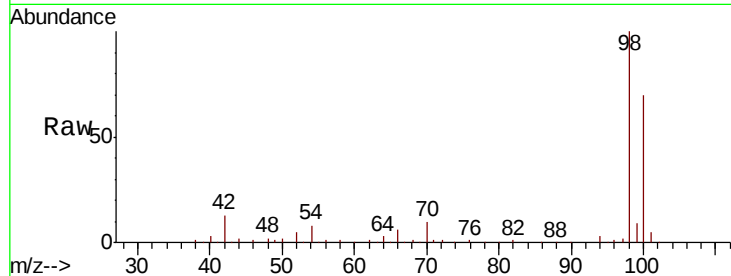




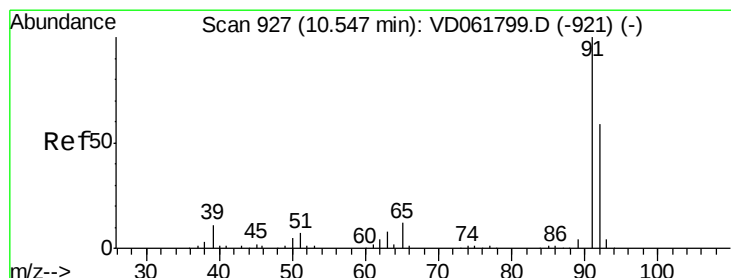
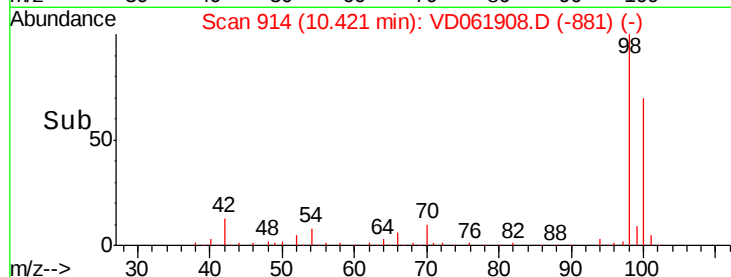
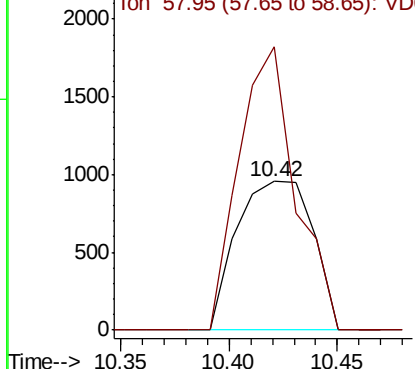
#51
 4-Methyl-2-Pentanone
 Concen: 1.177 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.12 min
 Lab File: VD061908.D
 Acq: 19 Apr 2019 14:16

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-S

Tgt Ion: 43 Resp: 2342
 Ion Ratio Lower Upper
 43 100
 58 190.5 30.4 45.6#

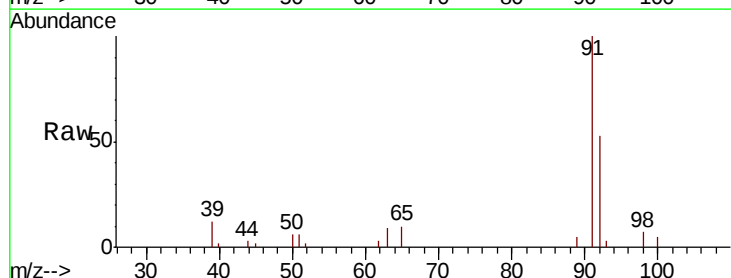


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

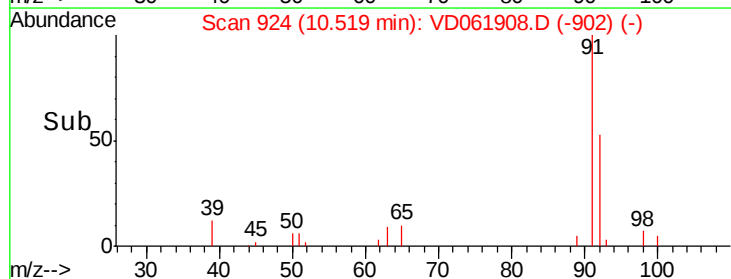
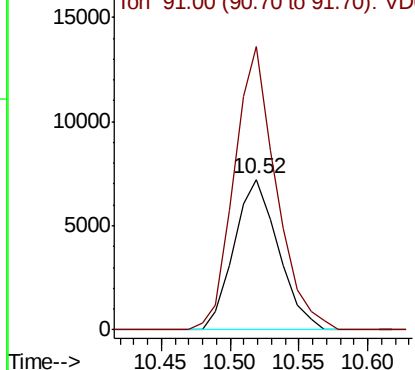


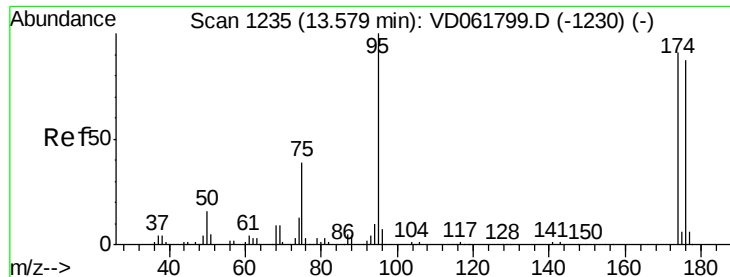
#52
 Toluene
 Concen: 1.937 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VD061908.D
 Acq: 19 Apr 2019 14:16

Tgt Ion: 92 Resp: 16104
 Ion Ratio Lower Upper
 92 100
 91 187.9 136.6 204.8



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: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061908.D

Acq: 19 Apr 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

TP1-S

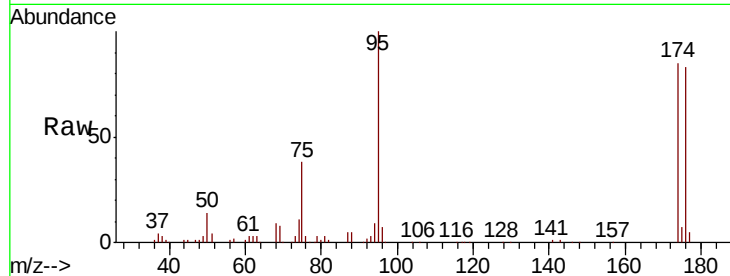
Tgt Ion: 95 Resp: 195653

Ion Ratio Lower Upper

95 100

174 85.0 0.0 181.8

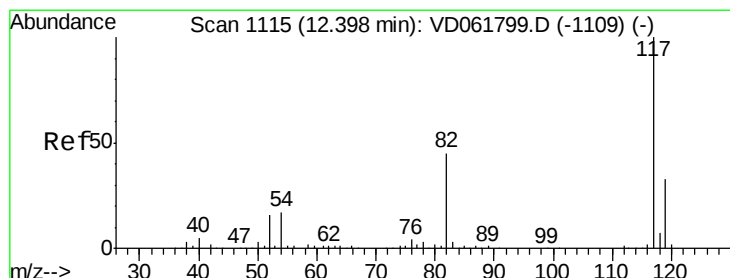
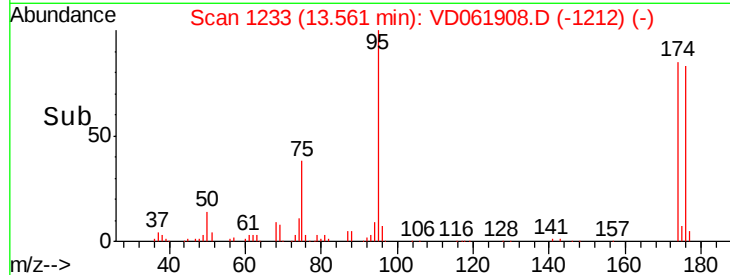
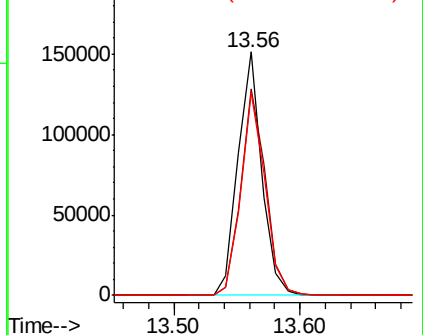
176 83.3 0.0 174.4



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: 12.37 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD061908.D

Acq: 19 Apr 2019 14:16

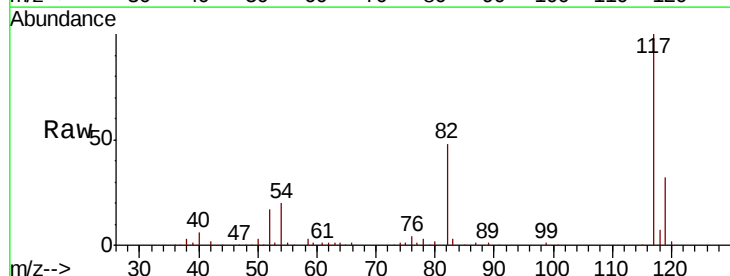
Tgt Ion: 117 Resp: 500386

Ion Ratio Lower Upper

117 100

82 48.0 36.2 54.2

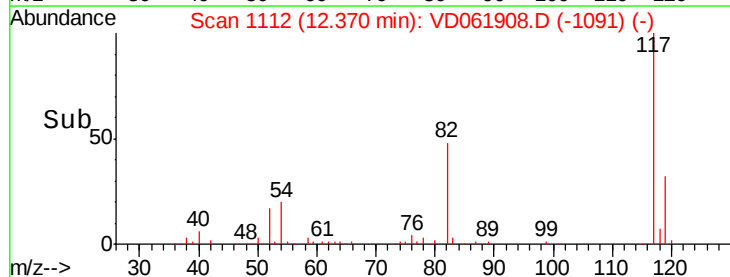
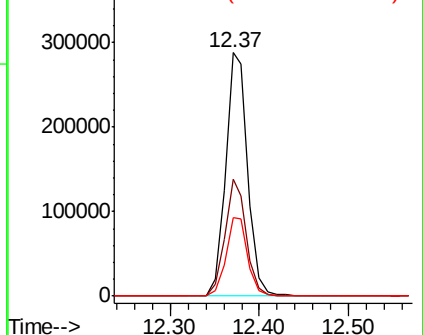
119 32.0 26.2 39.4

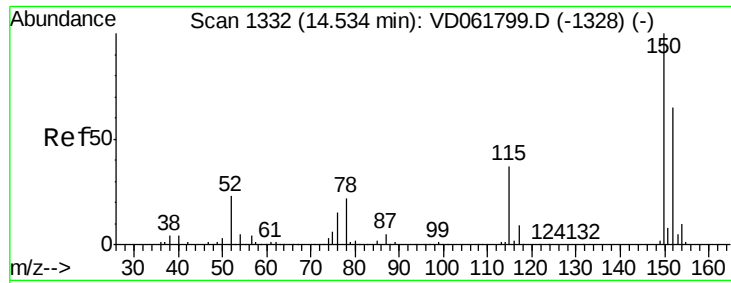


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061908.D

Acq: 19 Apr 2019 14:16

Instrument :

MSVOA_D

ClientSampleId :

TP1-S

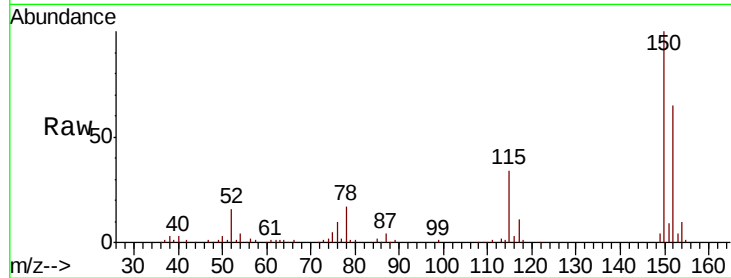
Tgt Ion:152 Resp: 179163

Ion Ratio Lower Upper

152 100

115 52.2 30.9 92.7

150 154.8 0.0 314.8

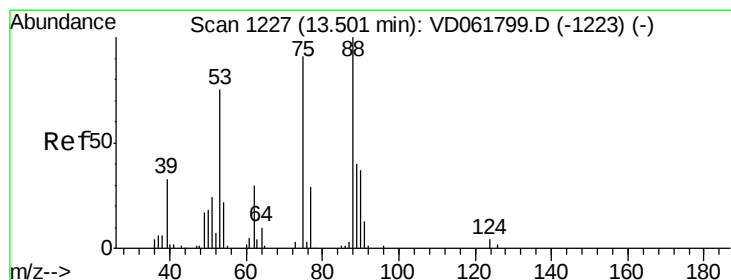
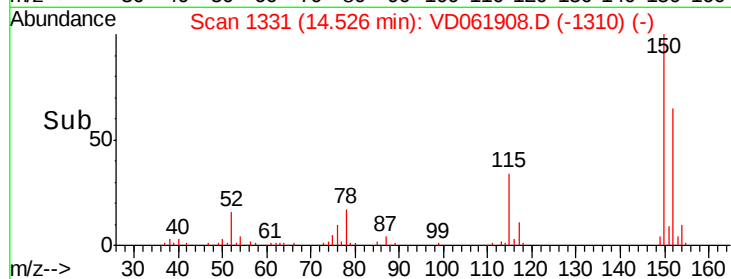
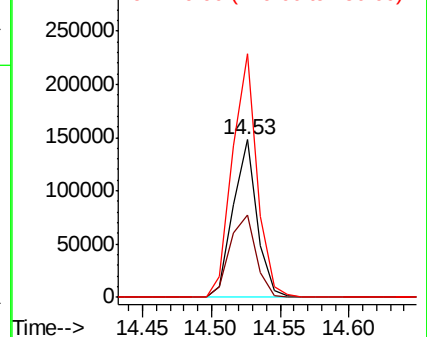


Abundance

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: 96.029 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061908.D

Acq: 19 Apr 2019 14:16

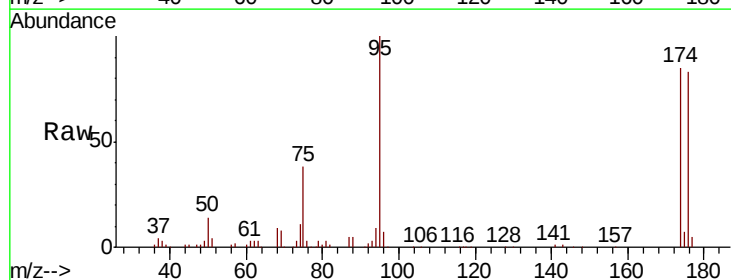
Tgt Ion: 75 Resp: 75733

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

