

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061471.D
 Acq On : 1 Apr 2019 16:26
 Operator : VA/AP
 Sample : K2185-01
 Misc : 5.22g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 01:18:48 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	7.04	168	553228	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	897375	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	557780	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	147674	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	235148	49.76	ug/l	0.02
Spiked Amount			Recovery	=	99.52%	
35) Dibromofluoromethane	6.92	113	382862	55.83	ug/l	0.02
Spiked Amount			Recovery	=	111.66%	
50) Toluene-d8	10.41	98	752016	45.72	ug/l	0.02
Spiked Amount			Recovery	=	91.44%	
62) 4-Bromofluorobenzene	13.55	95	210811	33.42	ug/l	0.00
Spiked Amount			Recovery	=	66.84%	

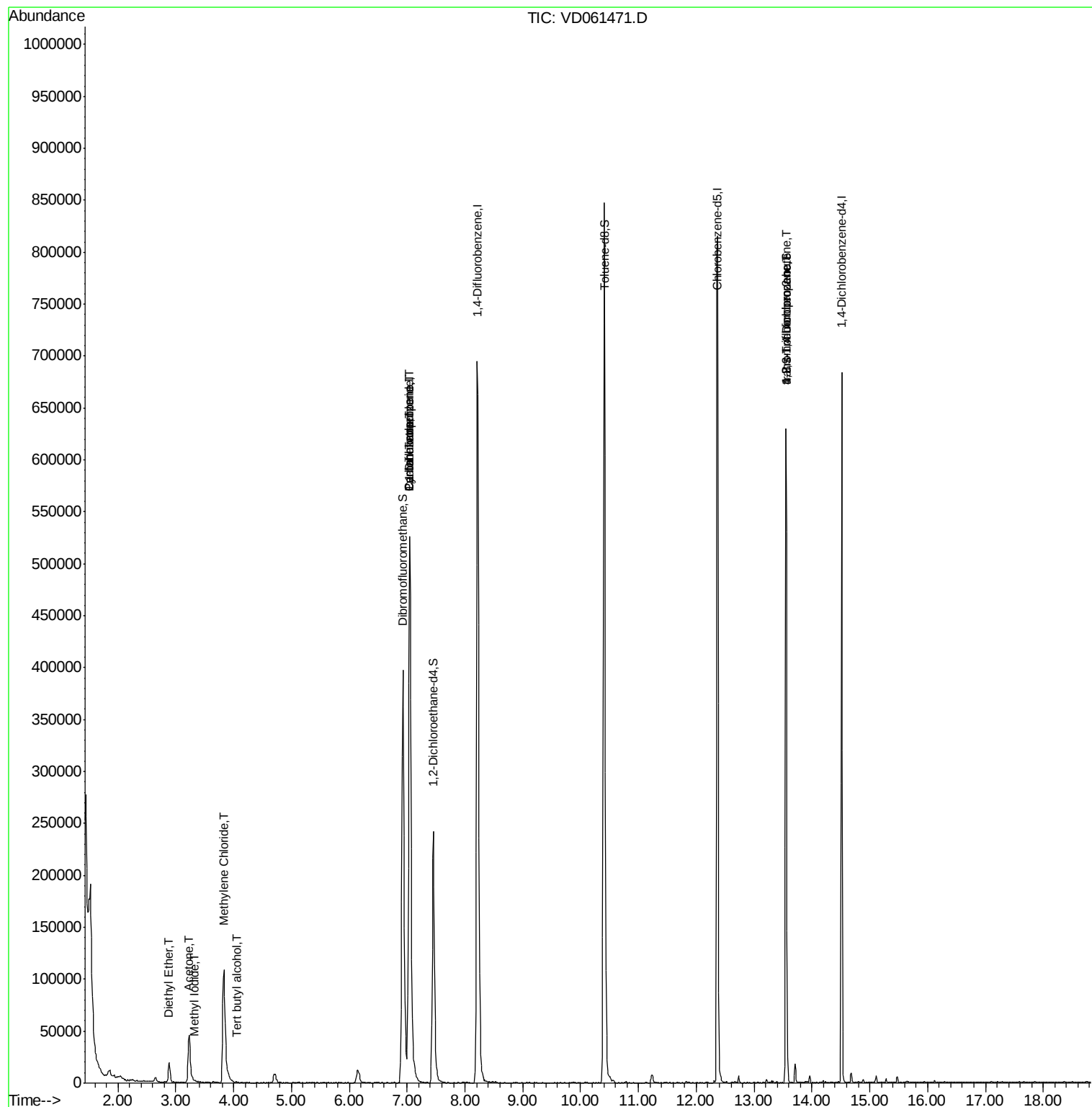
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.89	74	9207	4.445	ug/l	88
10) Methyl Iodide	3.33	142	198	3.484	ug/l #	38
11) Tert butyl alcohol	4.06	59	1296	4.403	ug/l #	76
16) Acetone	3.23	43	94431	77.729	ug/l	96
20) Methylene Chloride	3.83	84	90374	11.813	ug/l	97
31) Cyclohexane	7.05	56	9002	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	39329	5.022	ug/l #	45
38) Carbon Tetrachloride	7.04	117	52404	5.823	ug/l #	13
76) 1,2,3-Trichloropropane	13.55	75	61389	28.778	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	77017	118.413	ug/l #	18

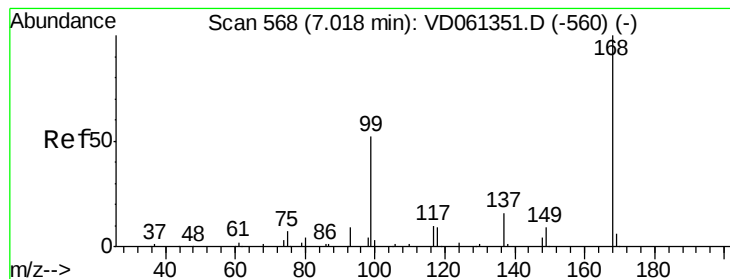
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061471.D

Acq: 1 Apr 2019 16:26

Instrument :

MSVOA_D

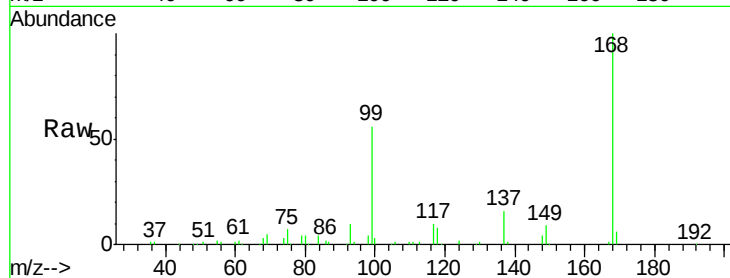
ClientSampleId :

Tot Ion:168 Resp: 553228

Ion Ratio Lower Upper

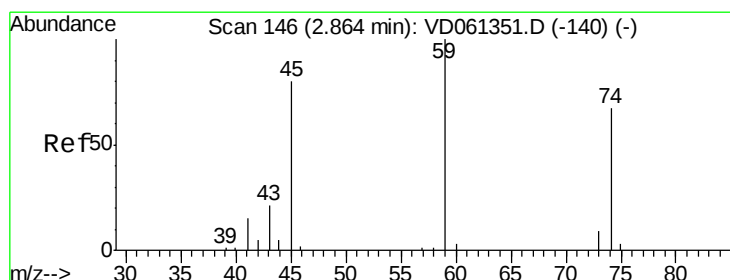
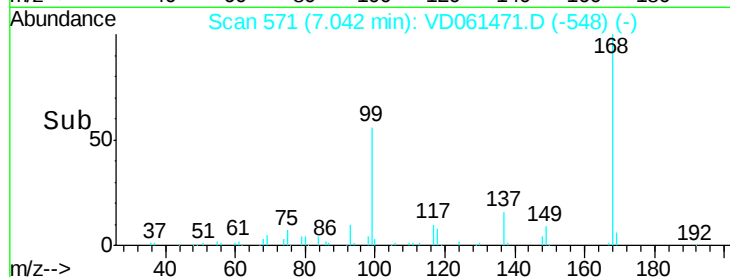
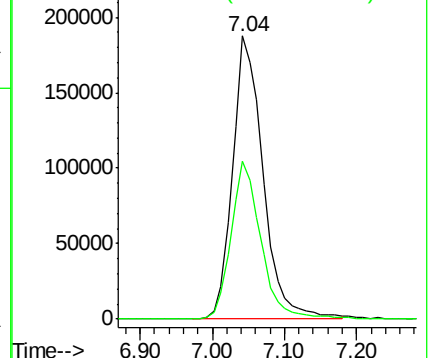
168 100

99 55.9 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: 4.445 ug/l

RT: 2.89 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD061471.D

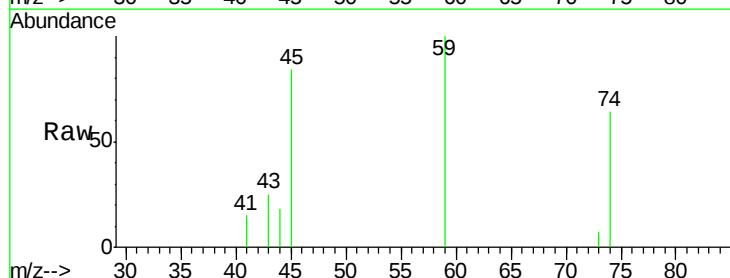
Acq: 1 Apr 2019 16:26

Tgt Ion: 74 Resp: 9207

Ion Ratio Lower Upper

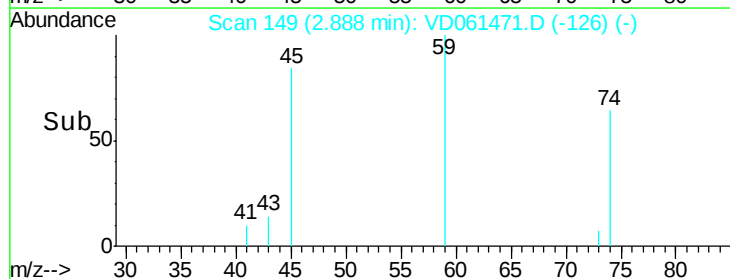
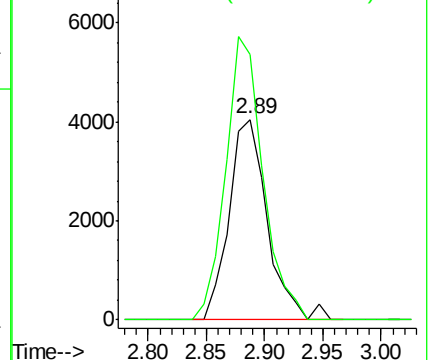
74 100

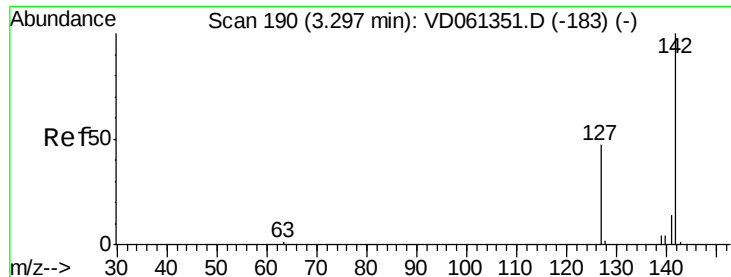
45 132.4 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

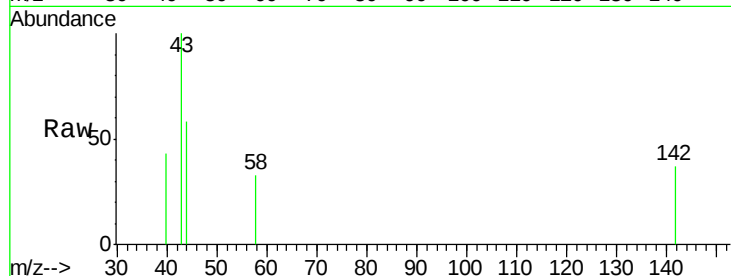




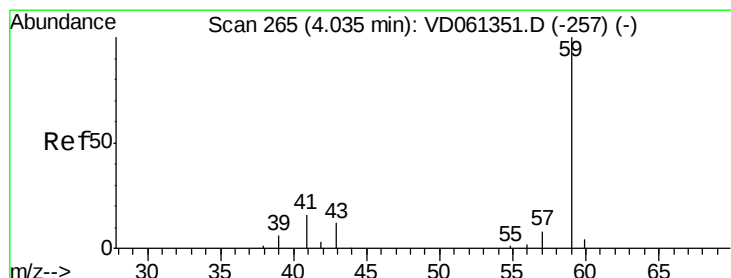
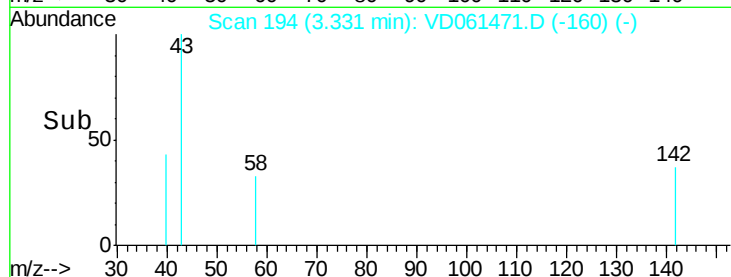
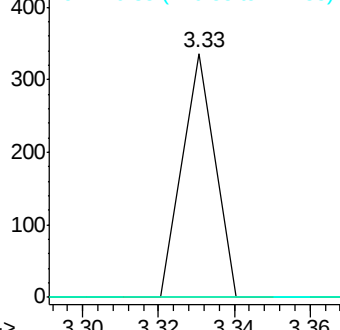
#10
Methyl Iodide
Concen: 3.484 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.03 min
Lab File: VD061471.D
Acq: 1 Apr 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 198
Ion Ratio Lower Upper
142 100
127 0.0 37.7 56.5#
141 0.0 11.5 17.3#

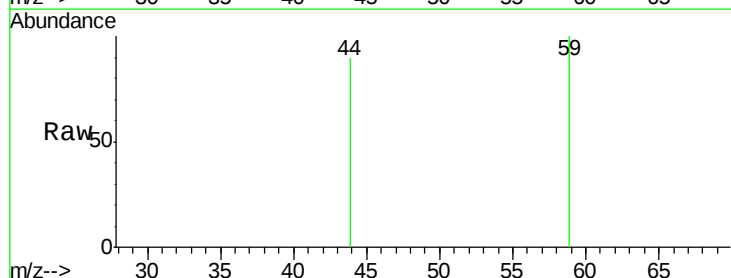


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

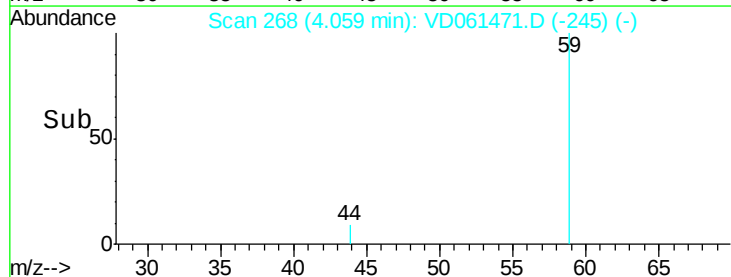
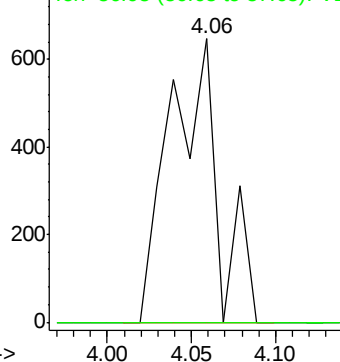


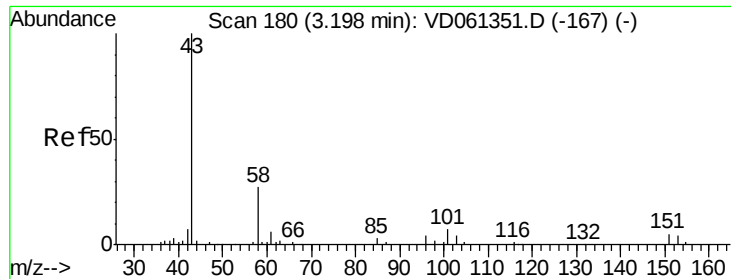
#11
Tert butyl alcohol
Concen: 4.403 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.02 min
Lab File: VD061471.D
Acq: 1 Apr 2019 16:26

Tgt Ion: 59 Resp: 1296
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#



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





#16

Acetone

Concen: 77.729 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.03 min

Lab File: VD061471.D

Acq: 1 Apr 2019 16:26

Instrument :

MSVOA_D

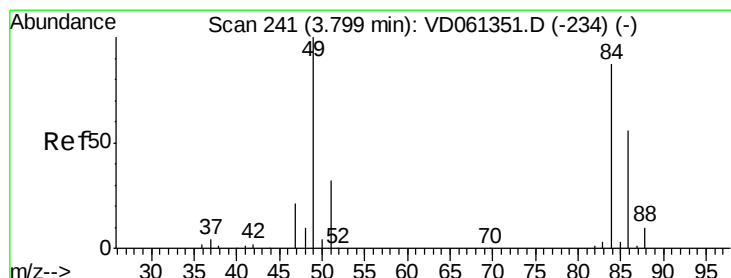
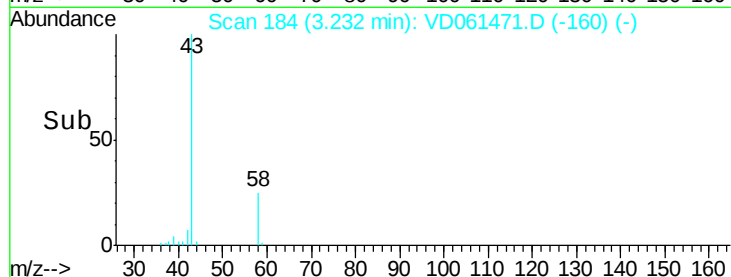
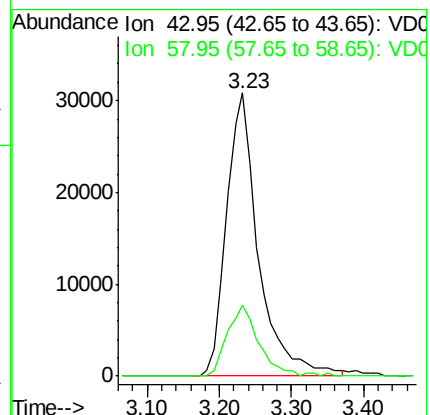
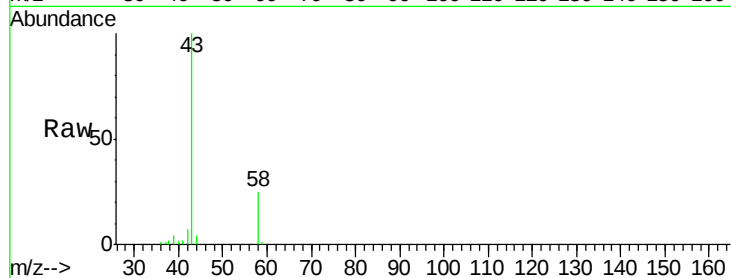
ClientSampleId :

Tot Ion: 43 Resp: 94431

Ion Ratio Lower Upper

43 100

58 24.9 21.5 32.3



#20

Methylene Chloride

Concen: 11.813 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD061471.D

Acq: 1 Apr 2019 16:26

Tgt Ion: 84 Resp: 90374

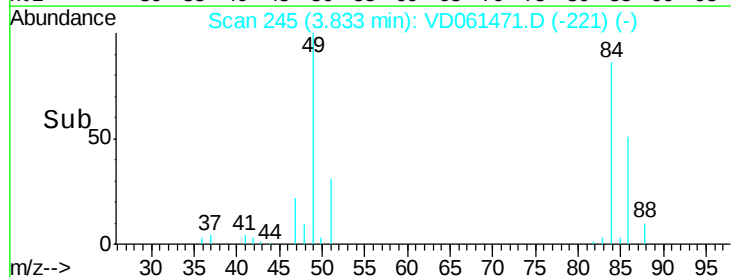
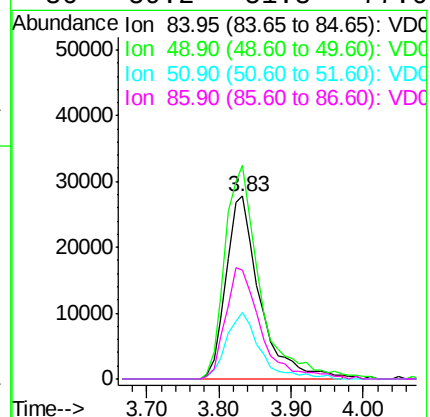
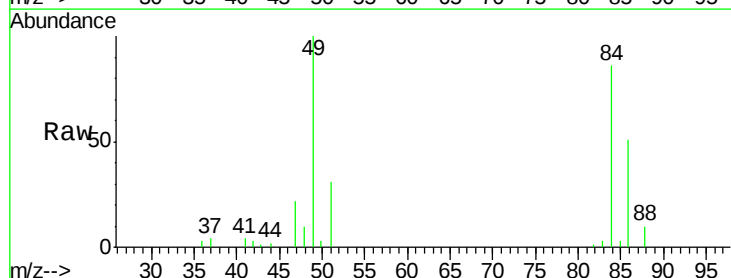
Ion Ratio Lower Upper

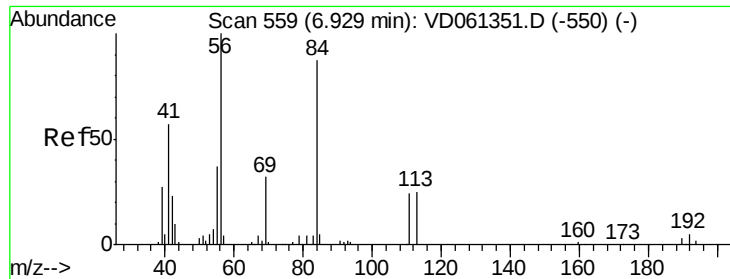
84 100

49 116.8 91.8 137.8

51 36.3 29.8 44.8

86 59.2 51.8 77.6

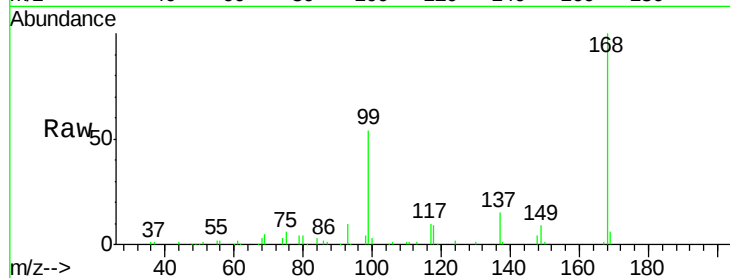




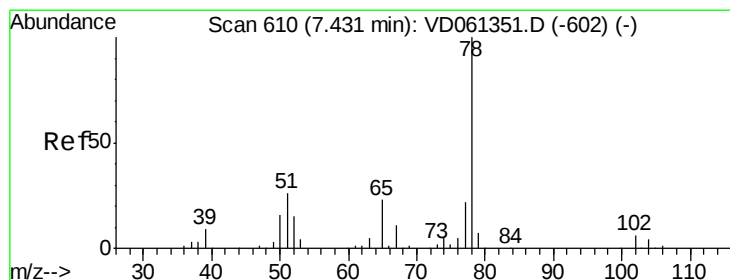
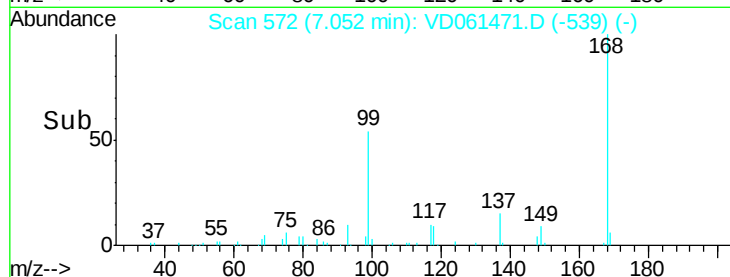
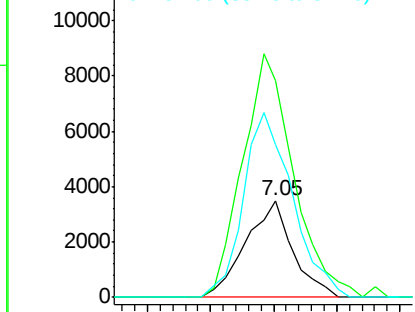
#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD061471.D
Acq: 1 Apr 2019 16:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 9002
Ion Ratio Lower Upper
56 100
69 223.9 25.7 38.5#
84 158.4 70.6 105.8#

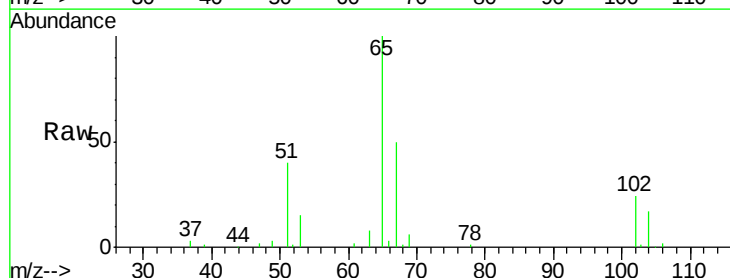


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

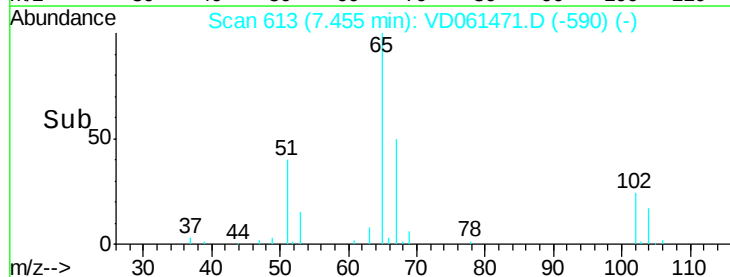
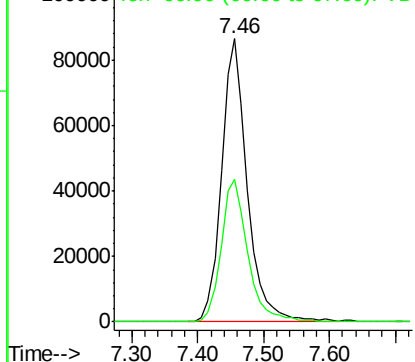


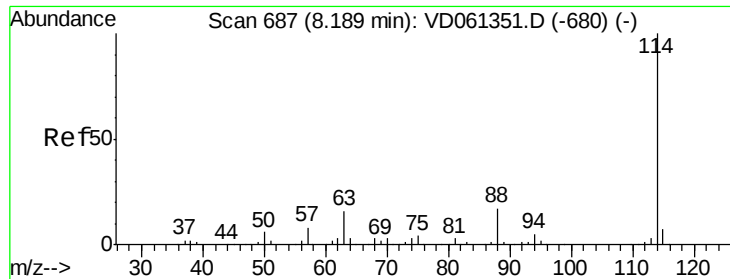
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD061471.D
Acq: 1 Apr 2019 16:26

Tgt Ion: 65 Resp: 235148
Ion Ratio Lower Upper
65 100
67 50.4 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: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD061471.D

Acq: 1 Apr 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

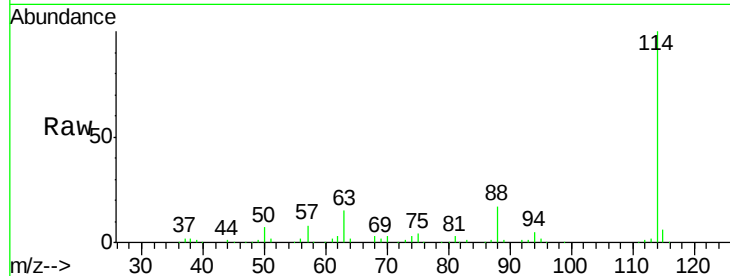
Tot Ion:114 Resp: 897375

Ion Ratio Lower Upper

114 100

63 15.4 0.0 31.6

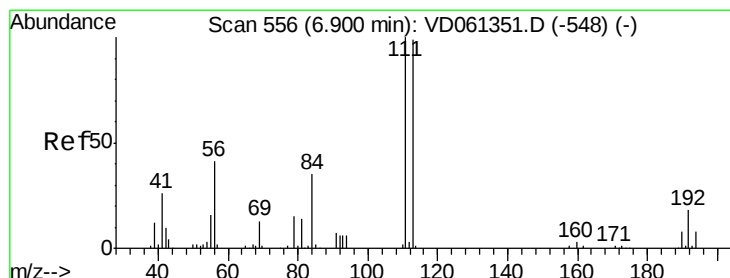
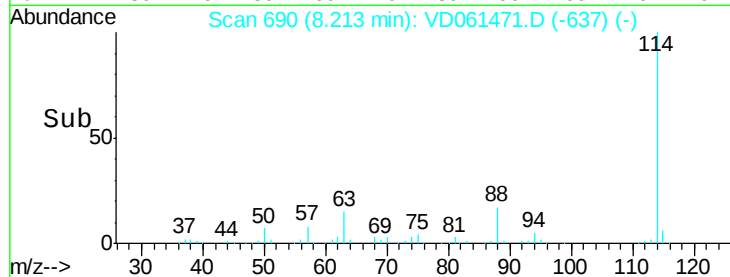
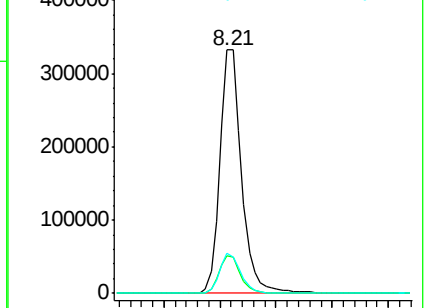
88 16.7 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD061471.D

Acq: 1 Apr 2019 16:26

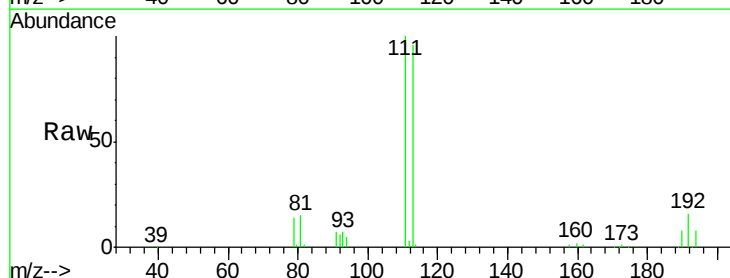
Tgt Ion:113 Resp: 382862

Ion Ratio Lower Upper

113 100

111 104.3 81.0 121.6

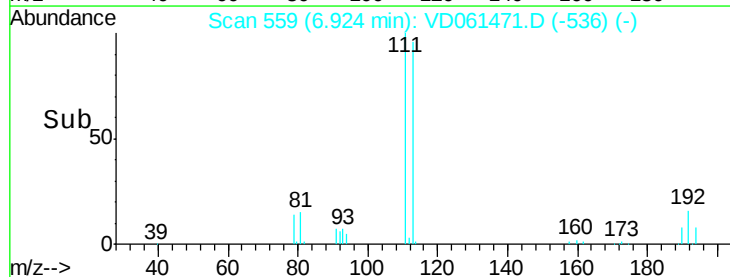
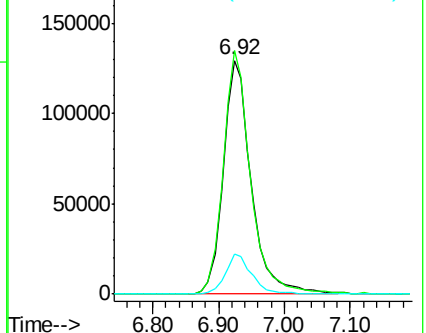
192 16.9 14.4 21.6

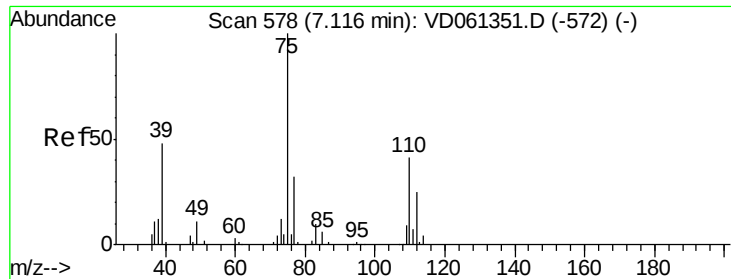


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.022 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061471.D

Acq: 1 Apr 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

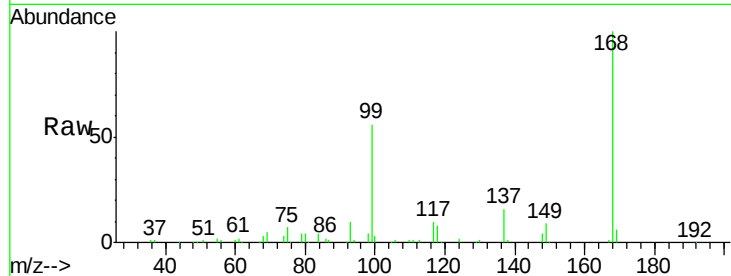
Tot Ion: 75 Resp: 39329

Ion Ratio Lower Upper

75 100

110 7.3 20.4 61.3#

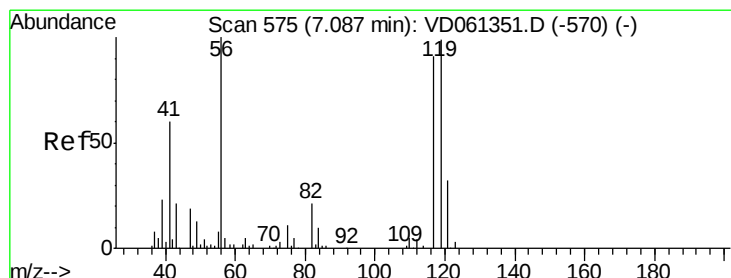
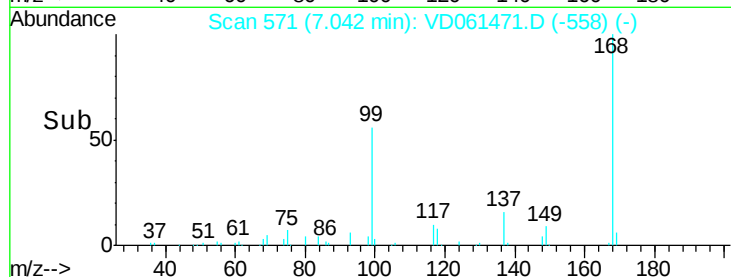
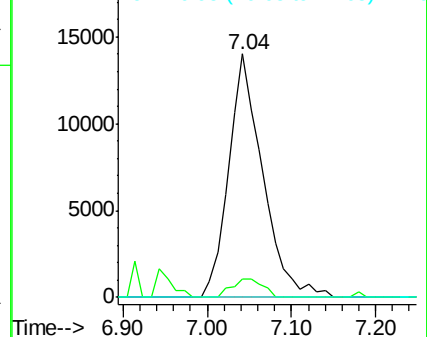
77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.823 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD061471.D

Acq: 1 Apr 2019 16:26

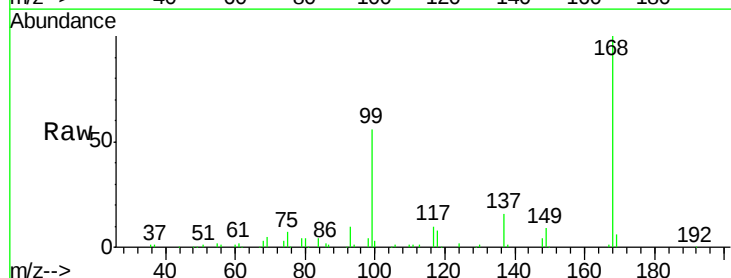
Tgt Ion: 117 Resp: 52404

Ion Ratio Lower Upper

117 100

119 3.9 80.1 120.1#

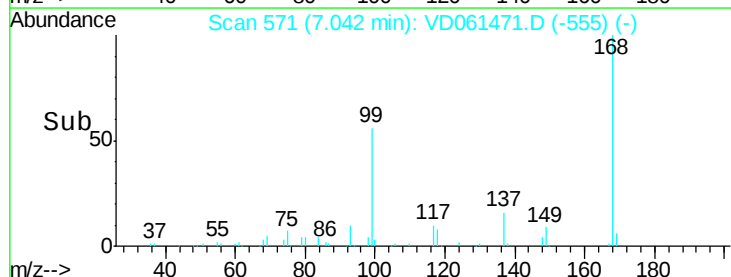
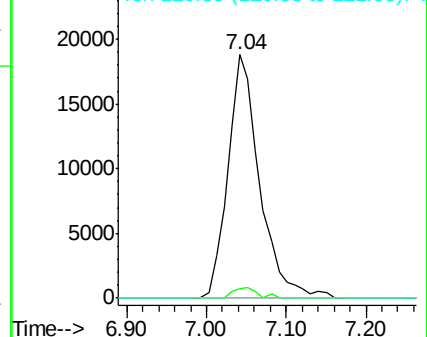
121 0.0 25.6 38.4#

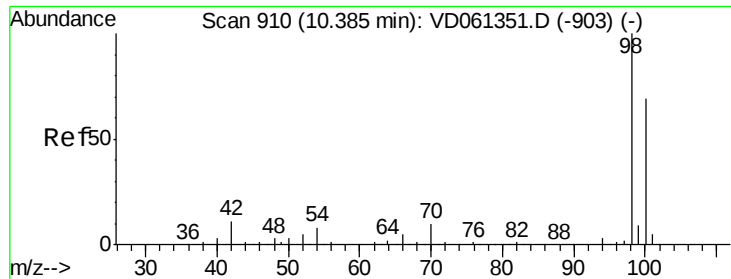


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

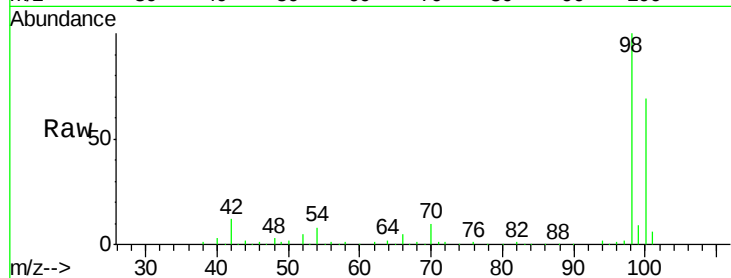




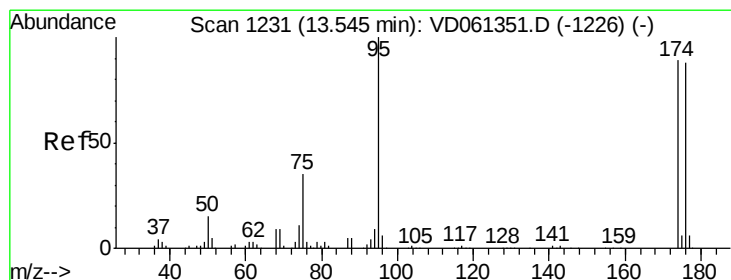
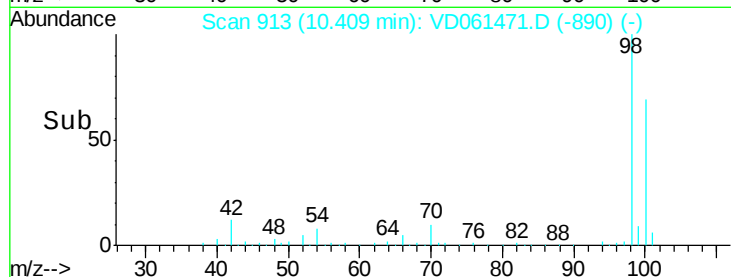
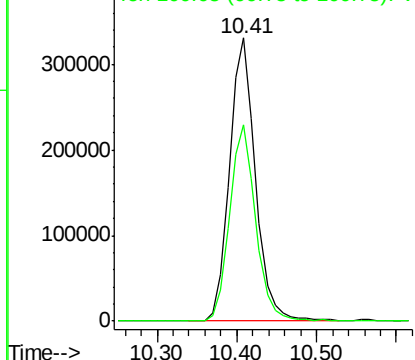
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD061471.D
Acq: 1 Apr 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 752016
Ion Ratio Lower Upper
98 100
100 69.3 56.2 84.2

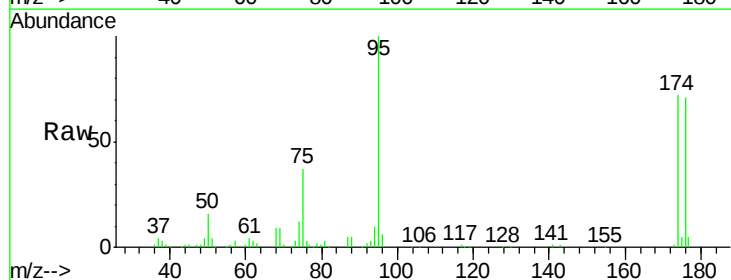


Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)
Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

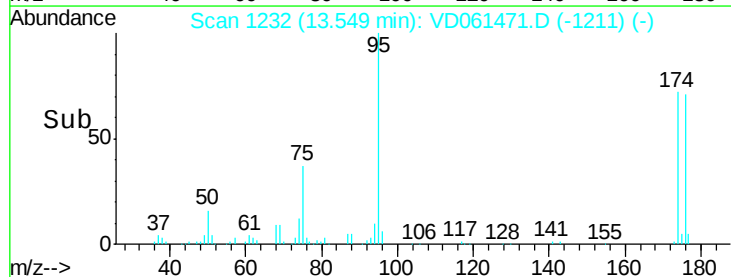
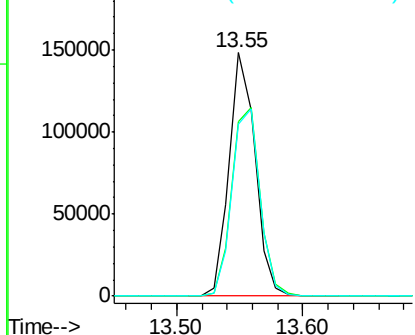


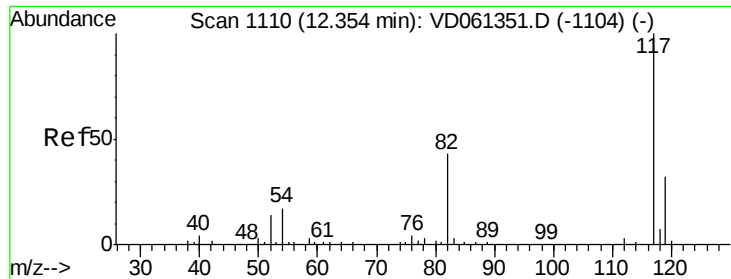
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061471.D
Acq: 1 Apr 2019 16:26

Tgt Ion: 95 Resp: 210811
Ion Ratio Lower Upper
95 100
174 71.8 0.0 178.0
176 70.7 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)
Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)
Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)

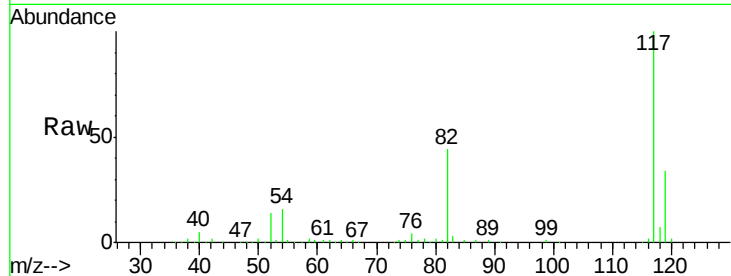




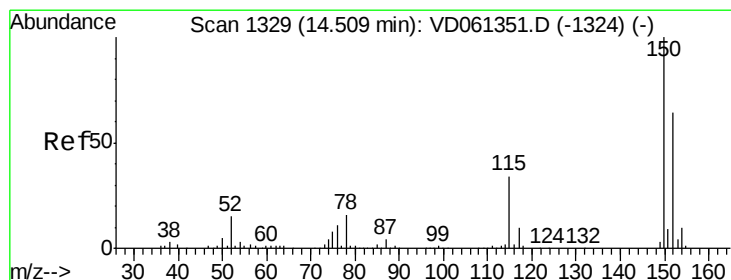
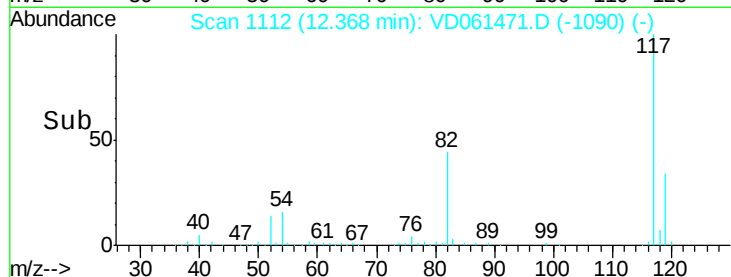
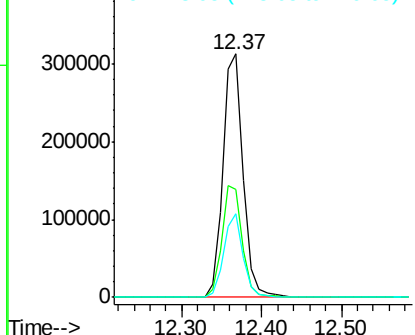
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061471.D
Acq: 1 Apr 2019 16:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 557780
Ion Ratio Lower Upper
117 100
82 44.5 34.4 51.6
119 34.2 25.8 38.6

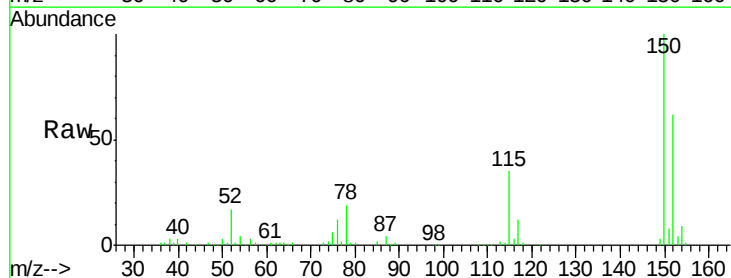


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

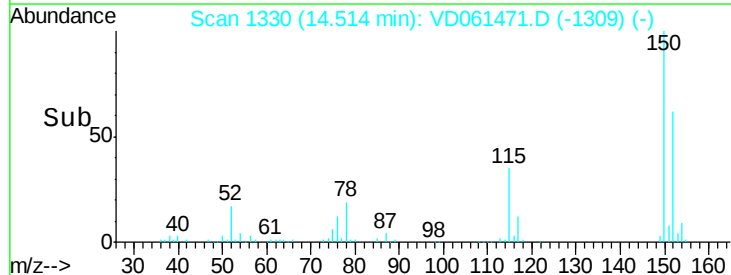
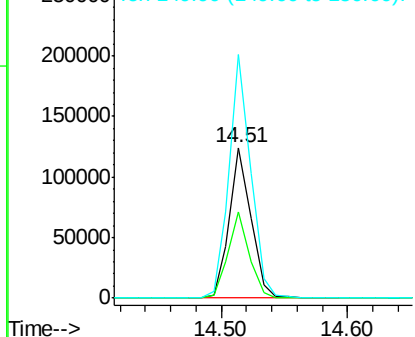


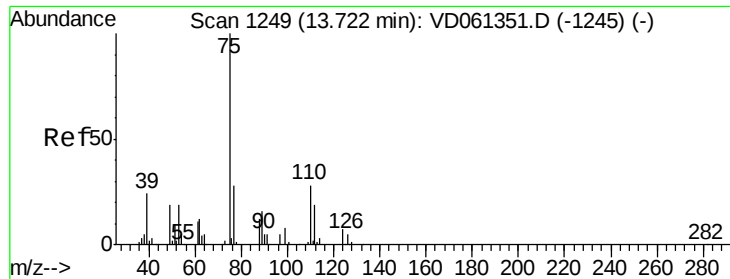
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061471.D
Acq: 1 Apr 2019 16:26

Tgt Ion:152 Resp: 147674
Ion Ratio Lower Upper
152 100
115 57.0 26.9 80.6
150 162.0 0.0 318.0



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





#76

1,2,3-Trichloropropane

Concen: 28.778 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061471.D

Acq: 1 Apr 2019 16:26

Instrument :

MSVOA_D

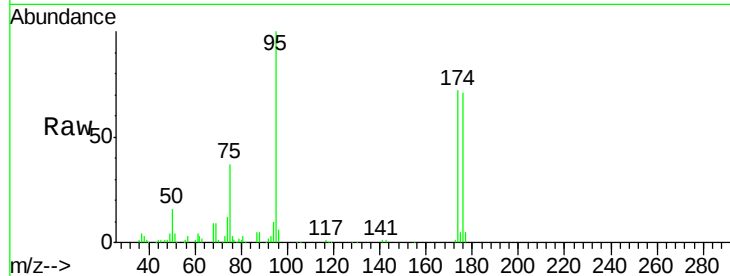
ClientSampled :

Tot Ion: 75 Resp: 61389

Ion Ratio Lower Upper

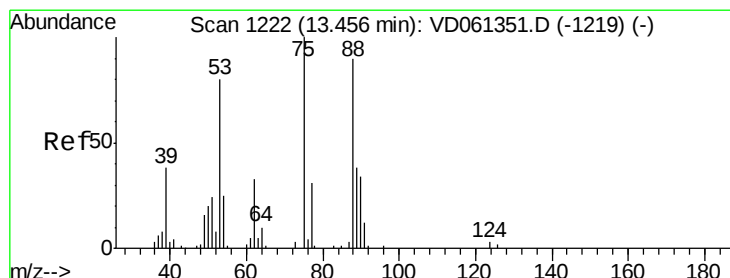
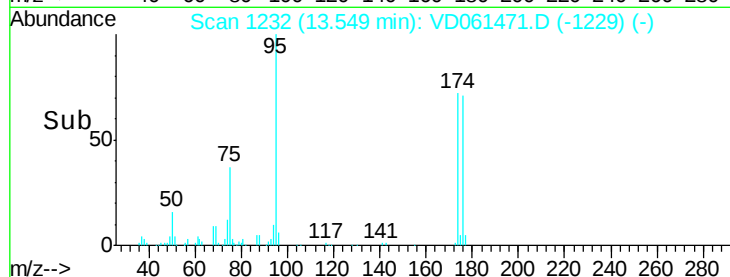
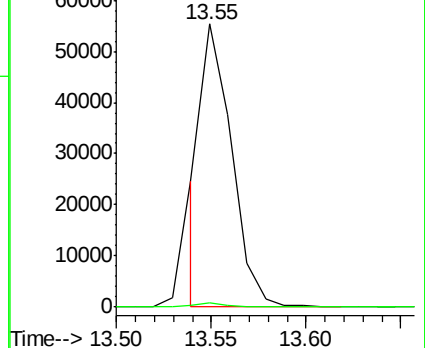
75 100

77 1.5 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 118.413 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061471.D

Acq: 1 Apr 2019 16:26

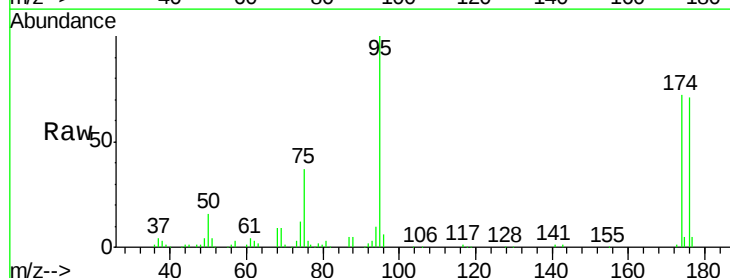
Tgt Ion: 75 Resp: 77017

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

