

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061542.D
 Acq On : 3 Apr 2019 6:52
 Operator : VA/AP
 Sample : K2190-04
 Misc : 4.96g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 08:39:16 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	7.06	168	432338	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	771255	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	513631	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	157547	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	210137	56.90	ug/l	0.03
Spiked Amount 50.000			Recovery	=	113.80%	
35) Dibromofluoromethane	6.94	113	304649	51.69	ug/l	0.04
Spiked Amount 50.000			Recovery	=	103.38%	
50) Toluene-d8	10.42	98	559950	39.61	ug/l	0.03
Spiked Amount 50.000			Recovery	=	79.22%	
62) 4-Bromofluorobenzene	13.56	95	179636	33.14	ug/l	0.01
Spiked Amount 50.000			Recovery	=	66.28%	

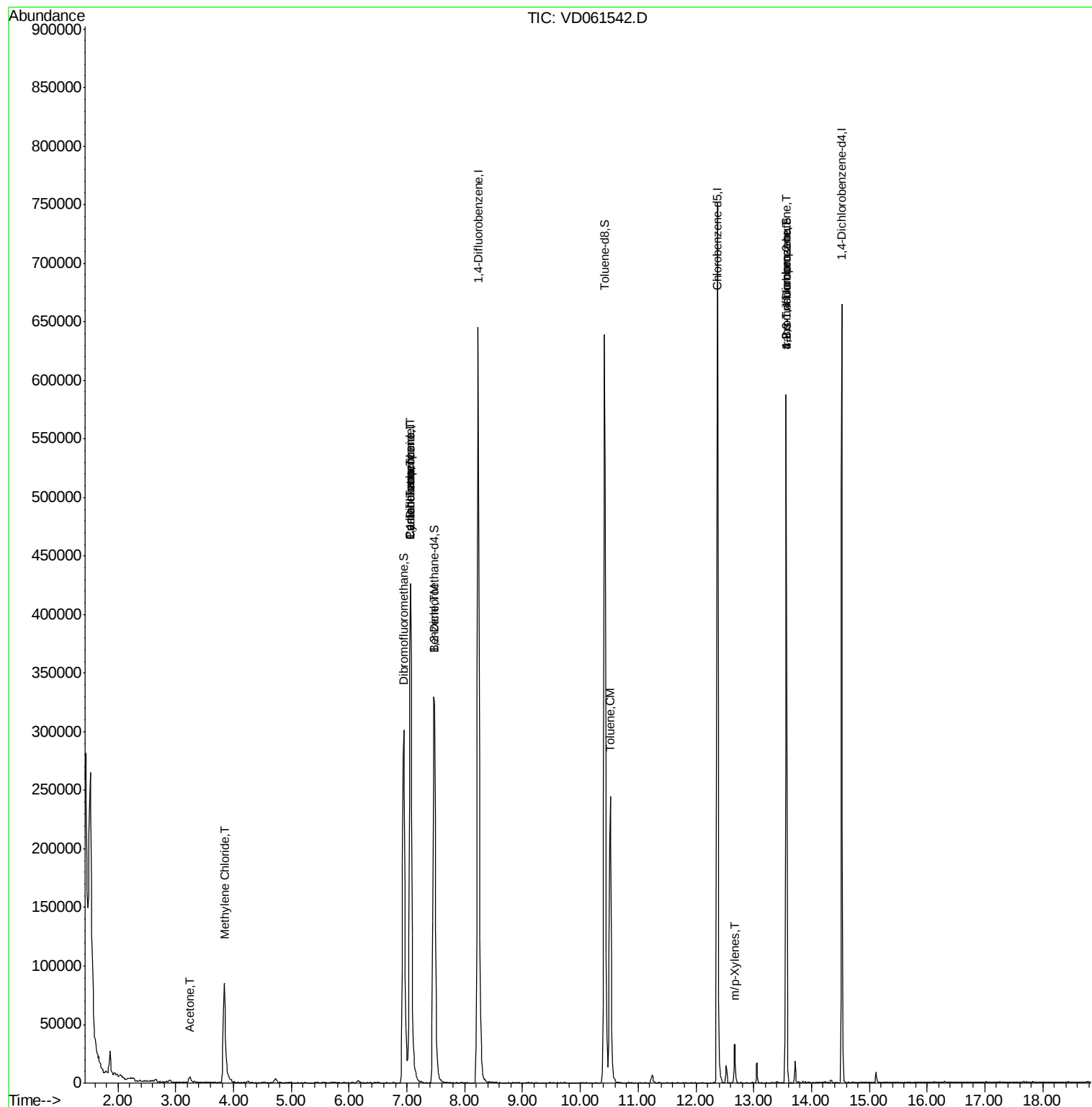
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.24	43	12380	13.040	ug/l #	80
20) Methylene Chloride	3.84	84	66873	11.079	ug/l	97
31) Cyclohexane	7.06	56	8109	1.275	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	33873	5.032	ug/l #	45
38) Carbon Tetrachloride	7.06	117	42835	5.538	ug/l #	13
40) Benzene	7.47	78	186128	11.018	ug/l	98
52) Toluene	10.52	92	145169	14.085	ug/l	99
68) m/p-Xylenes	12.67	106	11830	1.949	ug/l	98
76) 1,2,3-Trichloropropane	13.56	75	66182	29.081	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	68939	99.351	ug/l #	18

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
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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: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD061542.D

Acq: 3 Apr 2019 6:52

Instrument :

MSVOA_D

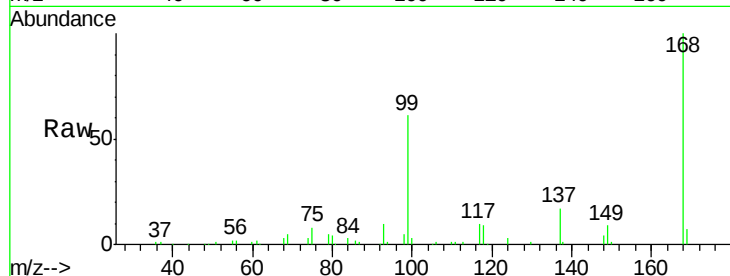
ClientSampleId :

Tot Ion:168 Resp: 432338

Ion Ratio Lower Upper

168 100

99 60.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

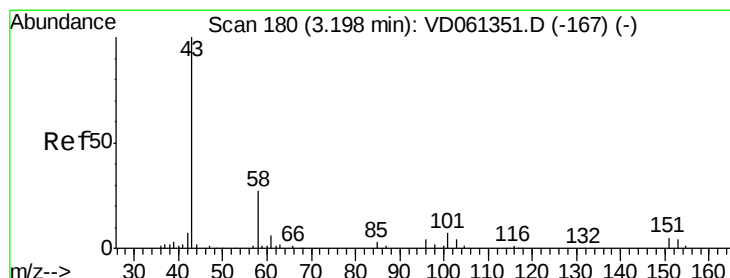
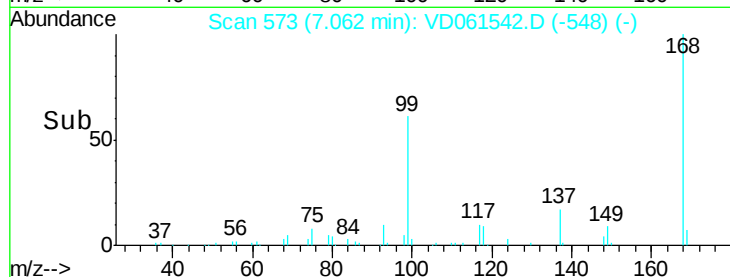
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 13.040 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.04 min

Lab File: VD061542.D

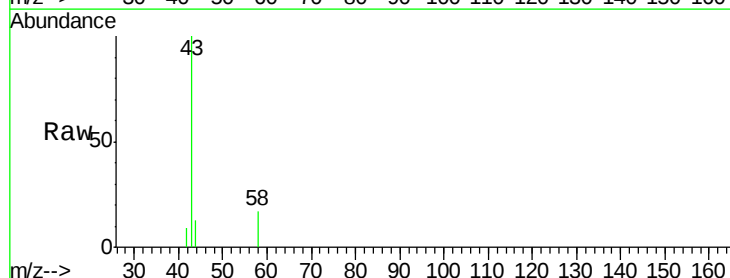
Acq: 3 Apr 2019 6:52

Tgt Ion: 43 Resp: 12380

Ion Ratio Lower Upper

43 100

58 16.8 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

4000

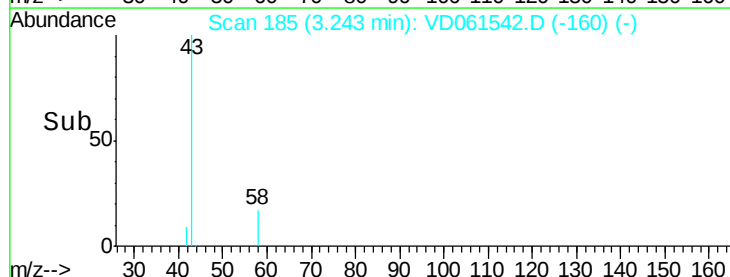
3000

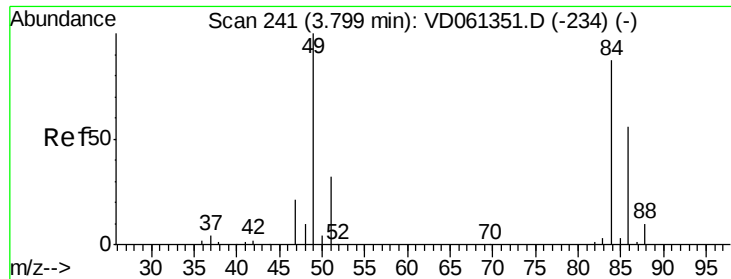
2000

1000

0

Time--> 3.10 3.20 3.30 3.40

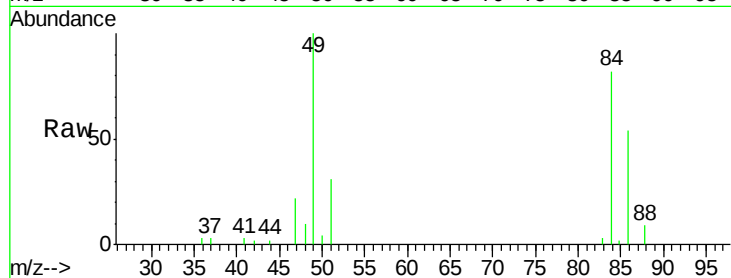




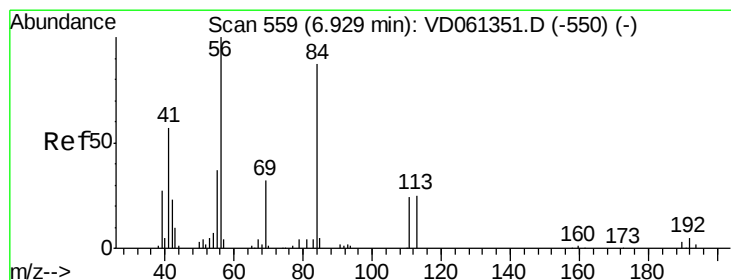
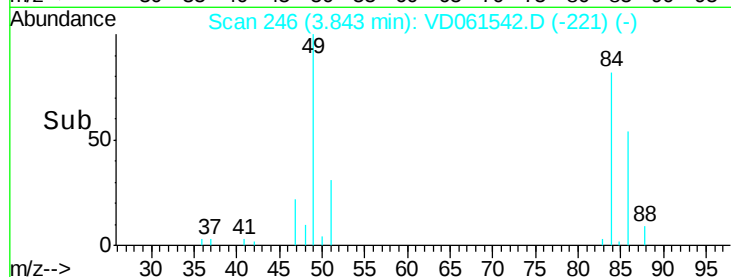
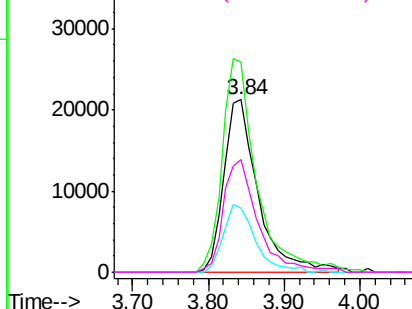
#20
Methylene Chloride
Concen: 11.079 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.04 min
Lab File: VD061542.D
Acq: 3 Apr 2019 6:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 66873
Ion Ratio Lower Upper
84 100
49 121.3 91.8 137.8
51 37.3 29.8 44.8
86 65.1 51.8 77.6

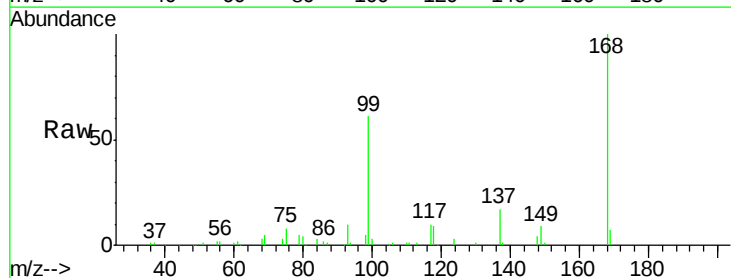


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

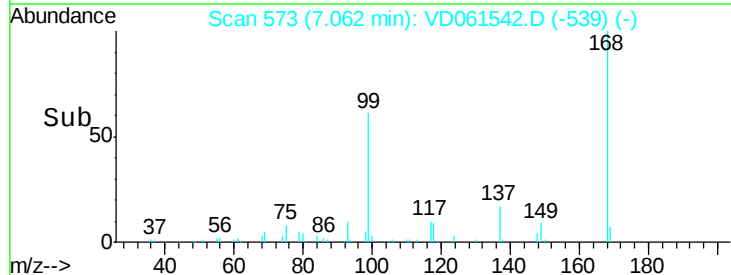
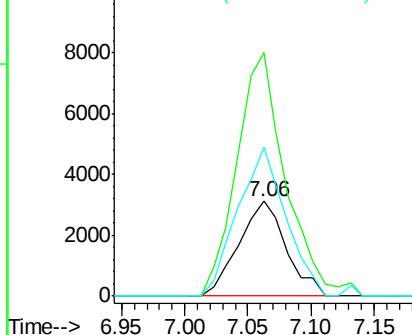


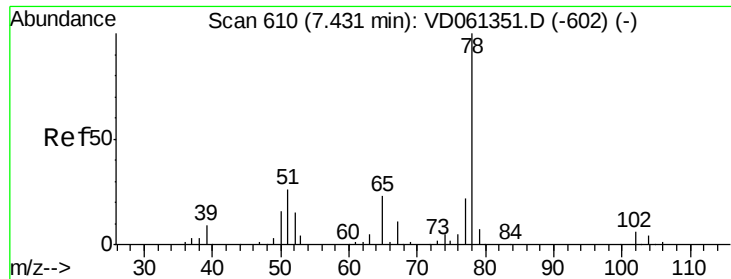
#31
Cyclohexane
Concen: 1.275 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.13 min
Lab File: VD061542.D
Acq: 3 Apr 2019 6:52

Tgt Ion: 56 Resp: 8109
Ion Ratio Lower Upper
56 100
69 256.1 25.7 38.5#
84 156.1 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: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061542.D

Acq: 3 Apr 2019 6:52

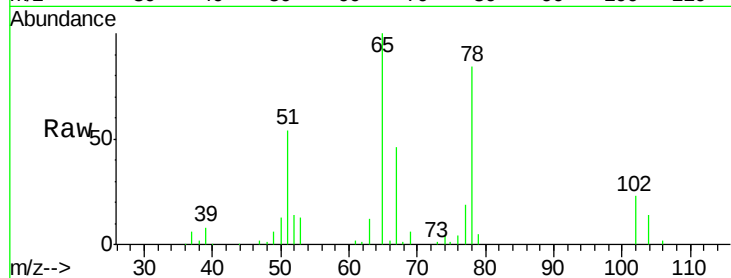
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 210137

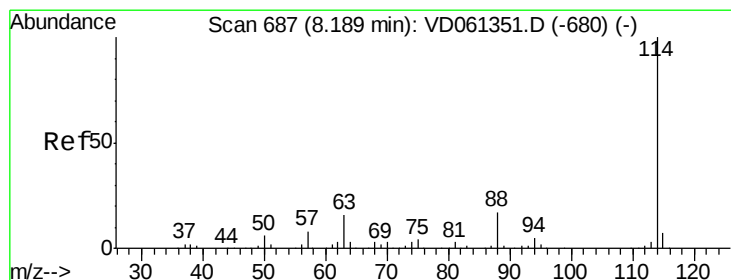
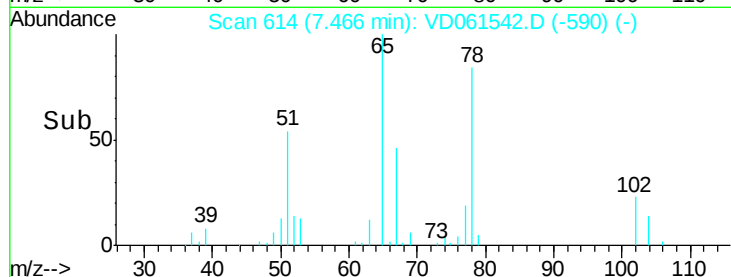
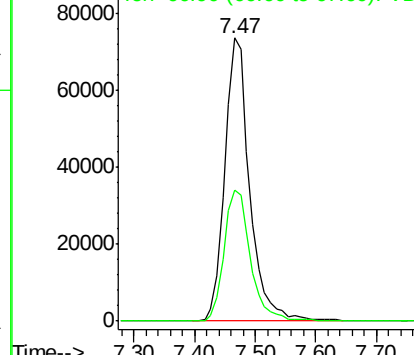
Ion Ratio Lower Upper

65 100

67 46.4 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: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD061542.D

Acq: 3 Apr 2019 6:52

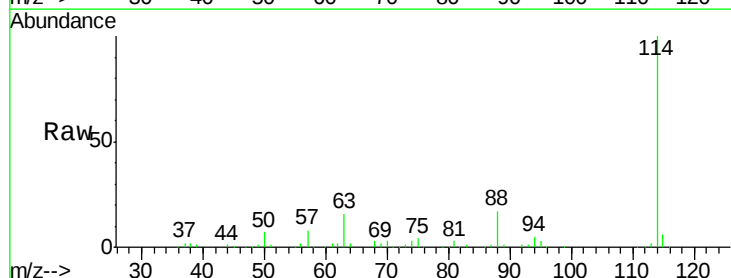
Tgt Ion: 114 Resp: 771255

Ion Ratio Lower Upper

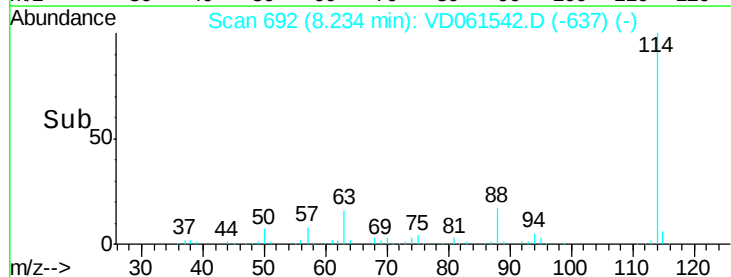
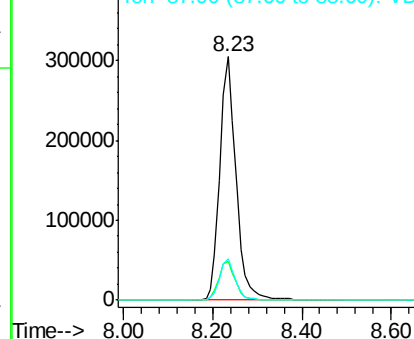
114 100

63 16.0 0.0 31.6

88 17.1 0.0 33.4



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

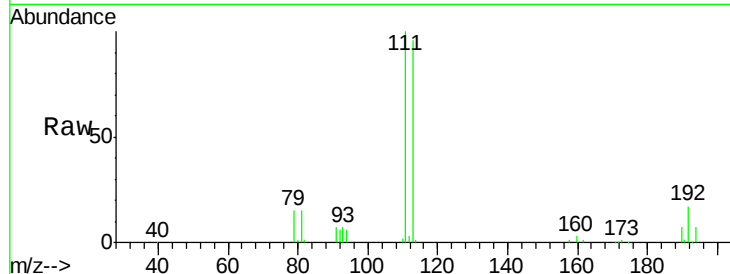




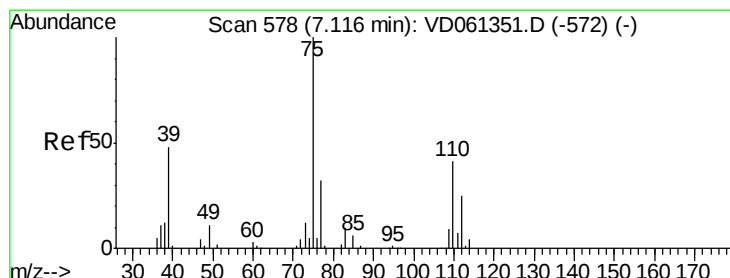
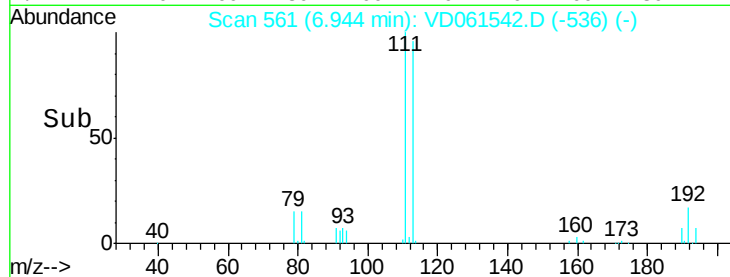
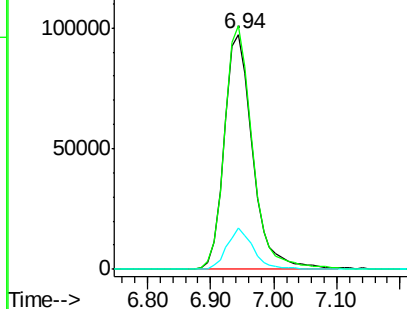
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.04 min
 Lab File: VD061542.D
 Acq: 3 Apr 2019 6:52

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 304649
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.0 121.6
 192 17.7 14.4 21.6

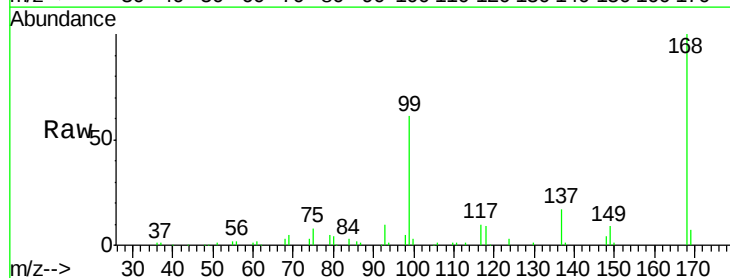


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

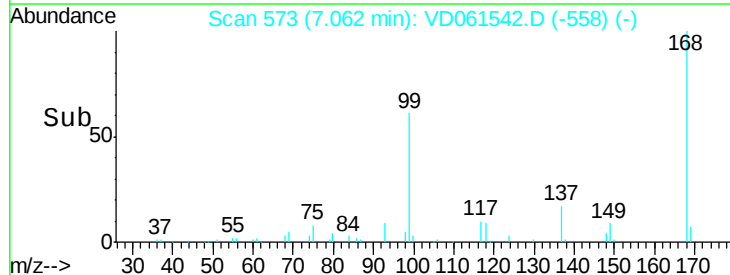
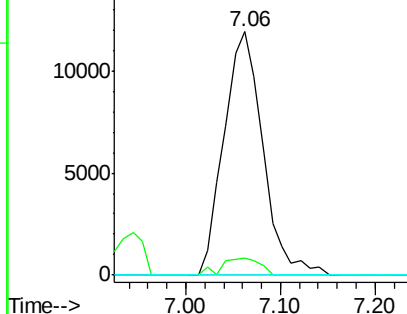


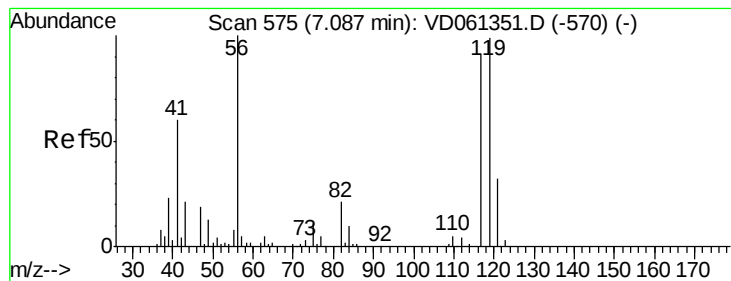
#36
 1,1-Dichloropropene
 Concen: 5.032 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD061542.D
 Acq: 3 Apr 2019 6:52

Tgt Ion: 75 Resp: 33873
 Ion Ratio Lower Upper
 75 100
 110 7.0 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): V
 Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.538 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.02 min

Lab File: VD061542.D

Acq: 3 Apr 2019 6:52

Instrument :

MSVOA_D

ClientSampleId :

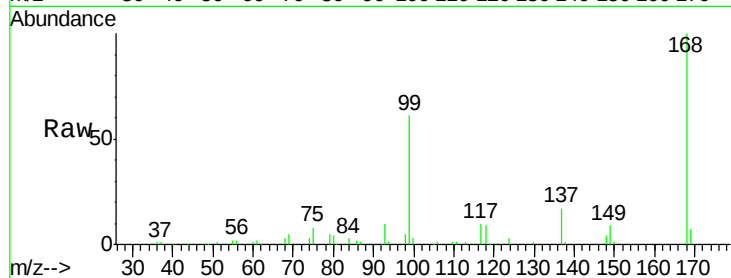
Tot Ion:117 Resp: 42835

Ion Ratio Lower Upper

117 100

119 4.2 80.1 120.1#

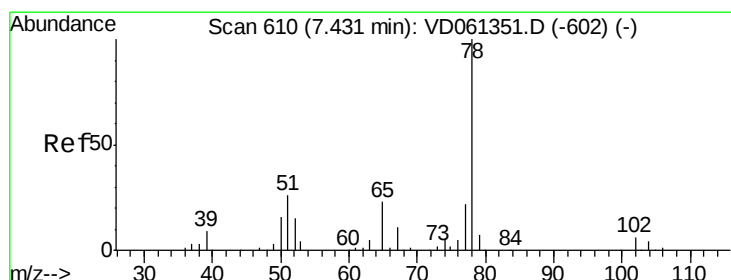
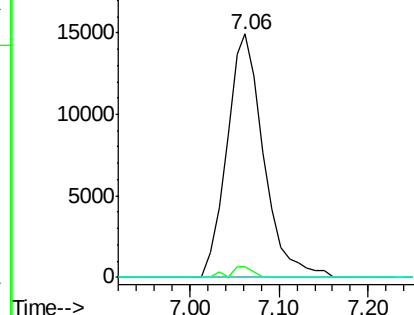
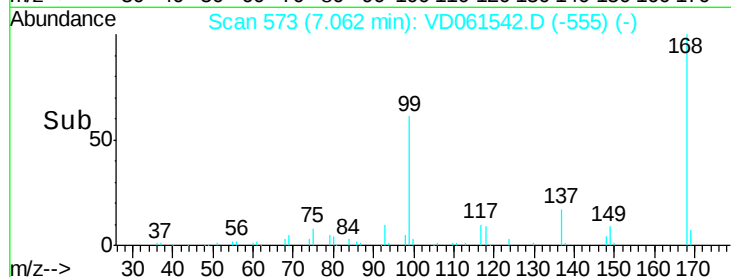
121 0.0 25.6 38.4#



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



#40

Benzene

Concen: 11.018 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061542.D

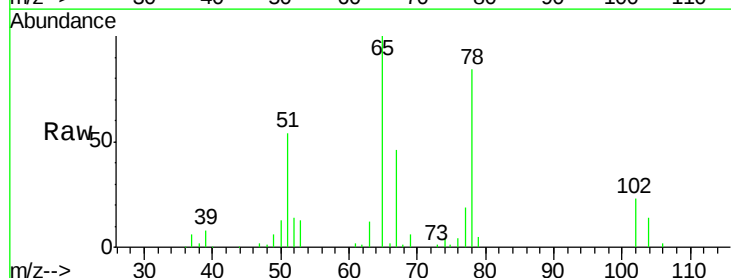
Acq: 3 Apr 2019 6:52

Tgt Ion: 78 Resp: 186128

Ion Ratio Lower Upper

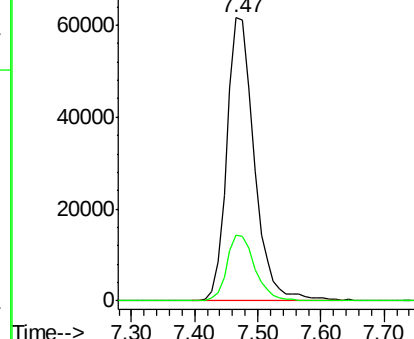
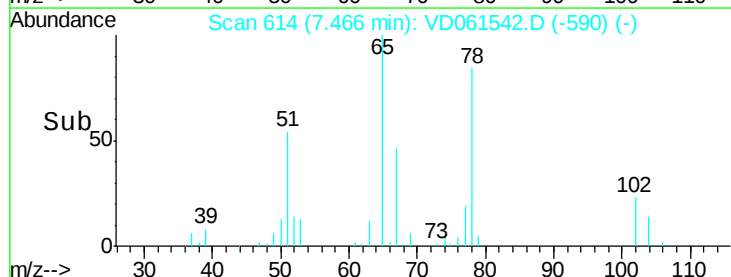
78 100

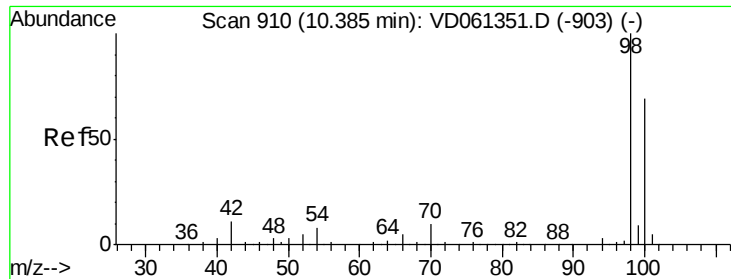
77 23.3 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V

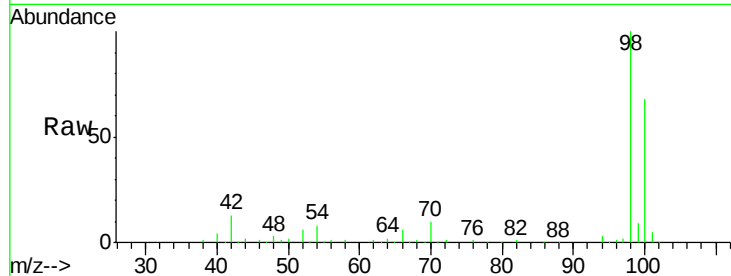




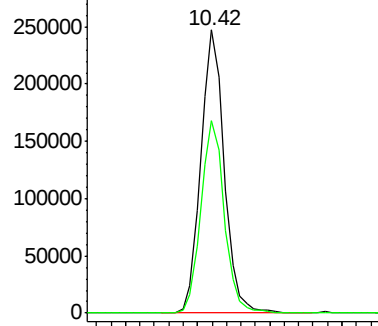
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD061542.D
Acq: 3 Apr 2019 6:52

Instrument :
MSVOA_D
ClientSampled :

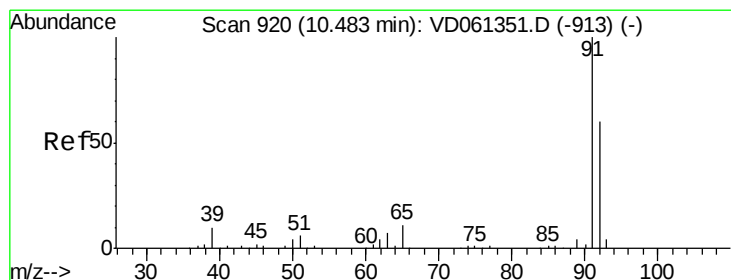
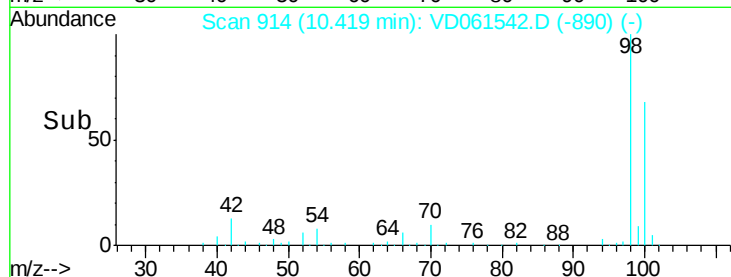
Tot Ion: 98 Resp: 559950
Ion Ratio Lower Upper
98 100
100 67.9 56.2 84.2



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

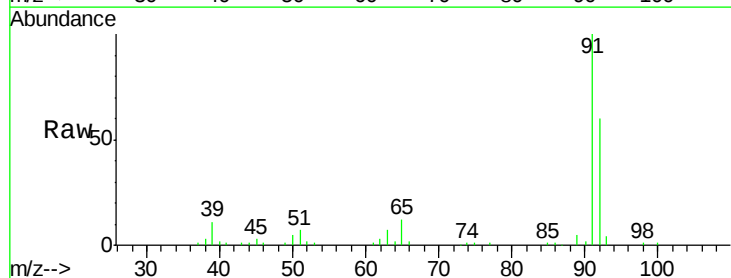


Time-->

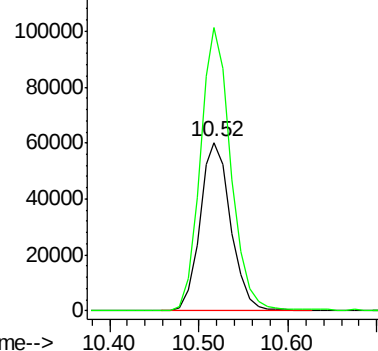


#52
Toluene
Concen: 14.085 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.03 min
Lab File: VD061542.D
Acq: 3 Apr 2019 6:52

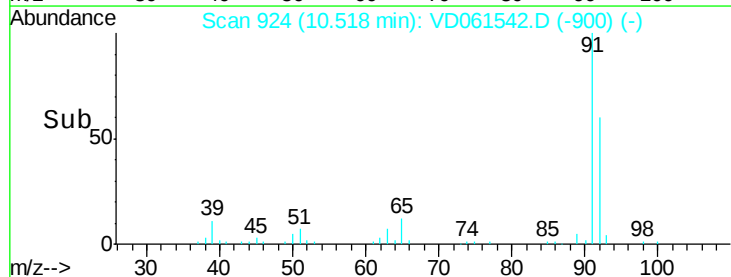
Tgt Ion: 92 Resp: 145169
Ion Ratio Lower Upper
92 100
91 167.9 133.3 199.9

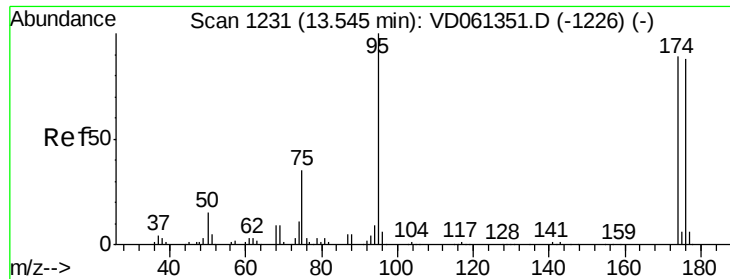


Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



Time-->

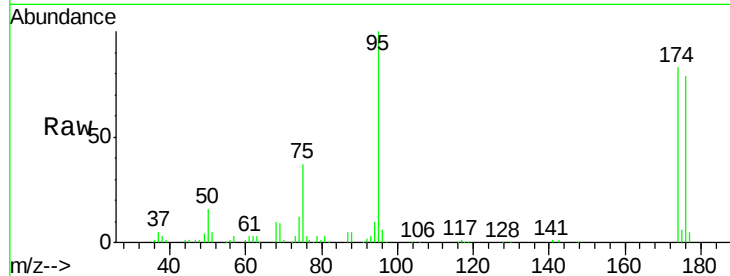




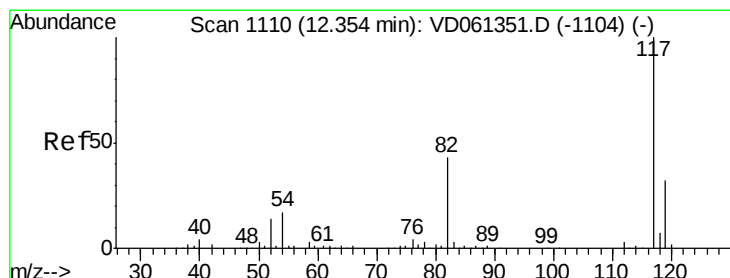
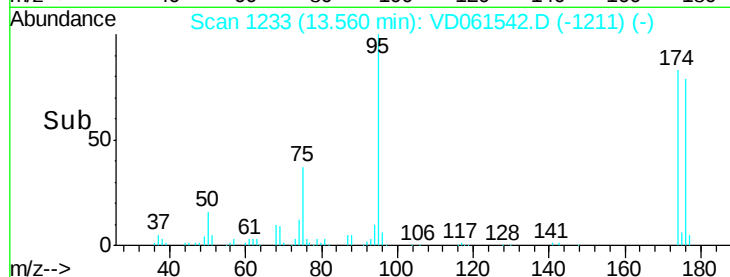
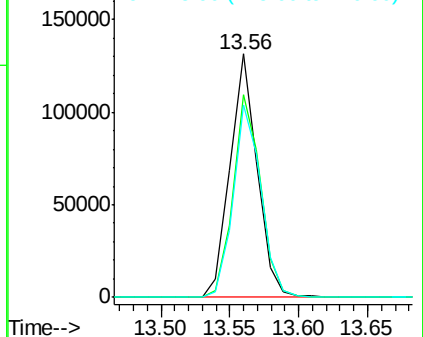
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061542.D
Acq: 3 Apr 2019 6:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 179636
Ion Ratio Lower Upper
95 100
174 83.3 0.0 178.0
176 79.0 0.0 175.0

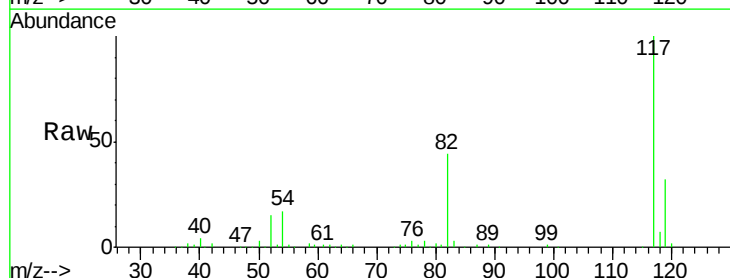


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

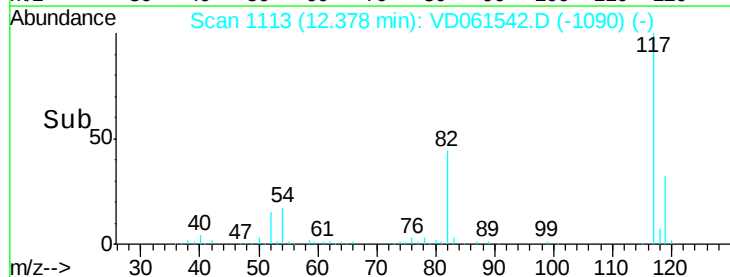
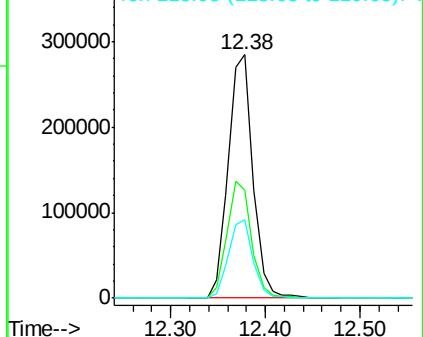


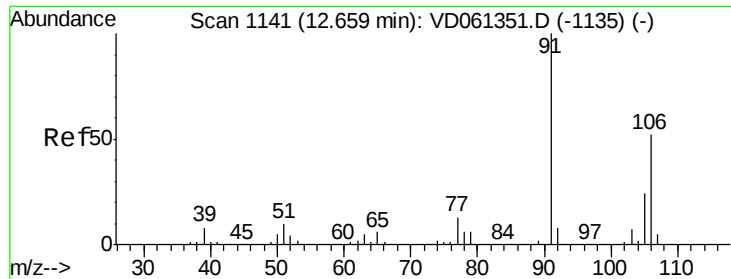
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061542.D
Acq: 3 Apr 2019 6:52

Tgt Ion: 117 Resp: 513631
Ion Ratio Lower Upper
117 100
82 44.3 34.4 51.6
119 32.5 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

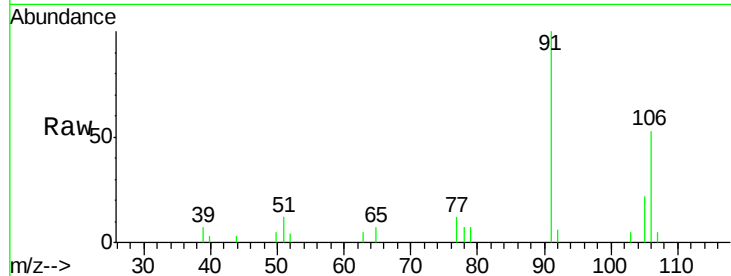




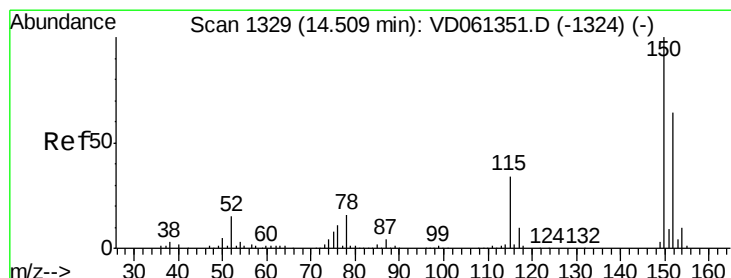
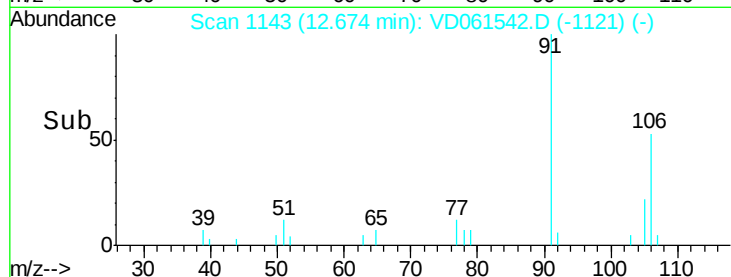
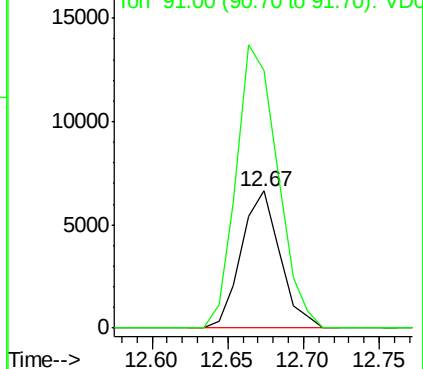
#68
m/p-Xvlenes
Concen: 1.949 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061542.D
Acq: 3 Apr 2019 6:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 11830
Ion Ratio Lower Upper
106 100
91 188.4 153.1 229.7

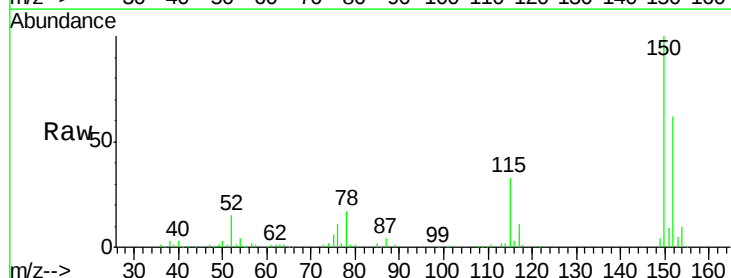


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

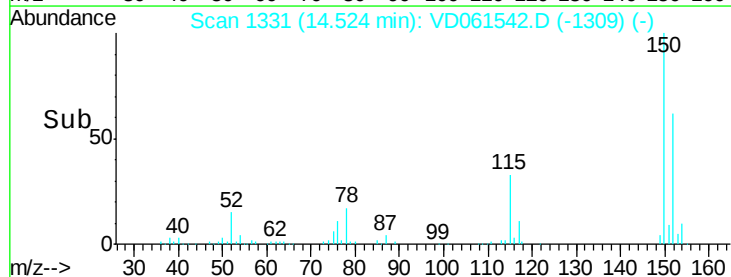
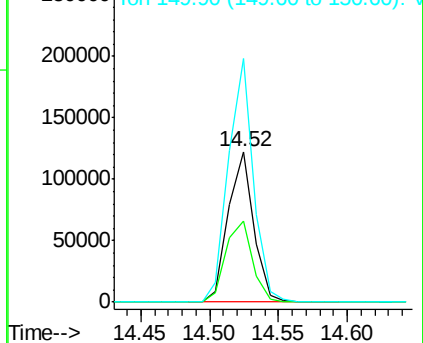


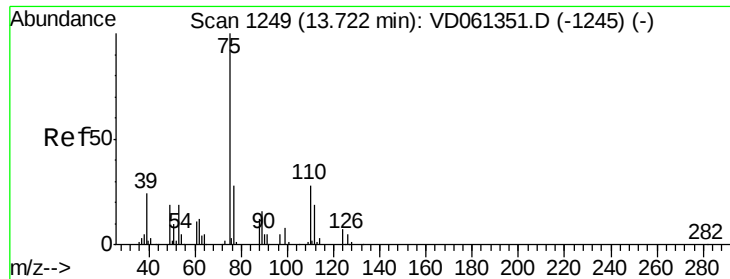
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061542.D
Acq: 3 Apr 2019 6:52

Tgt Ion:152 Resp: 157547
Ion Ratio Lower Upper
152 100
115 53.6 26.9 80.6
150 161.5 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: 29.081 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061542.D

Acq: 3 Apr 2019 6:52

Instrument :

MSVOA_D

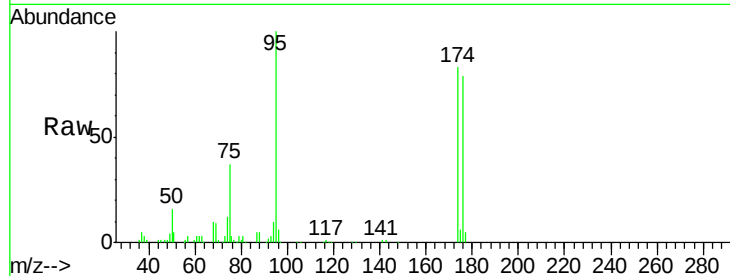
ClientSampled :

Tot Ion: 75 Resp: 66182

Ion Ratio Lower Upper

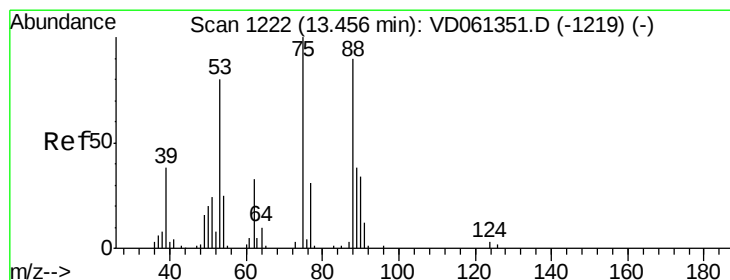
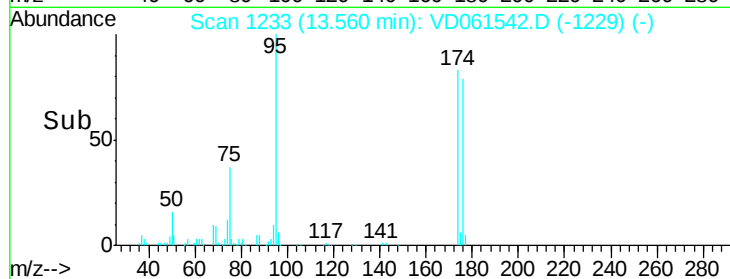
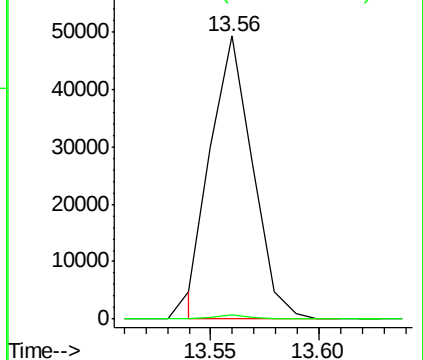
75 100

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: 99.351 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061542.D

Acq: 3 Apr 2019 6:52

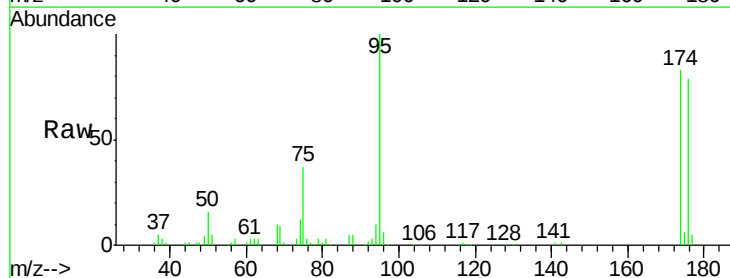
Tgt Ion: 75 Resp: 68939

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

