

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061705.D
 Acq On : 10 Apr 2019 7:37
 Operator : VA/AP
 Sample : K2199-05
 Misc : 6.51a/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 08:30:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

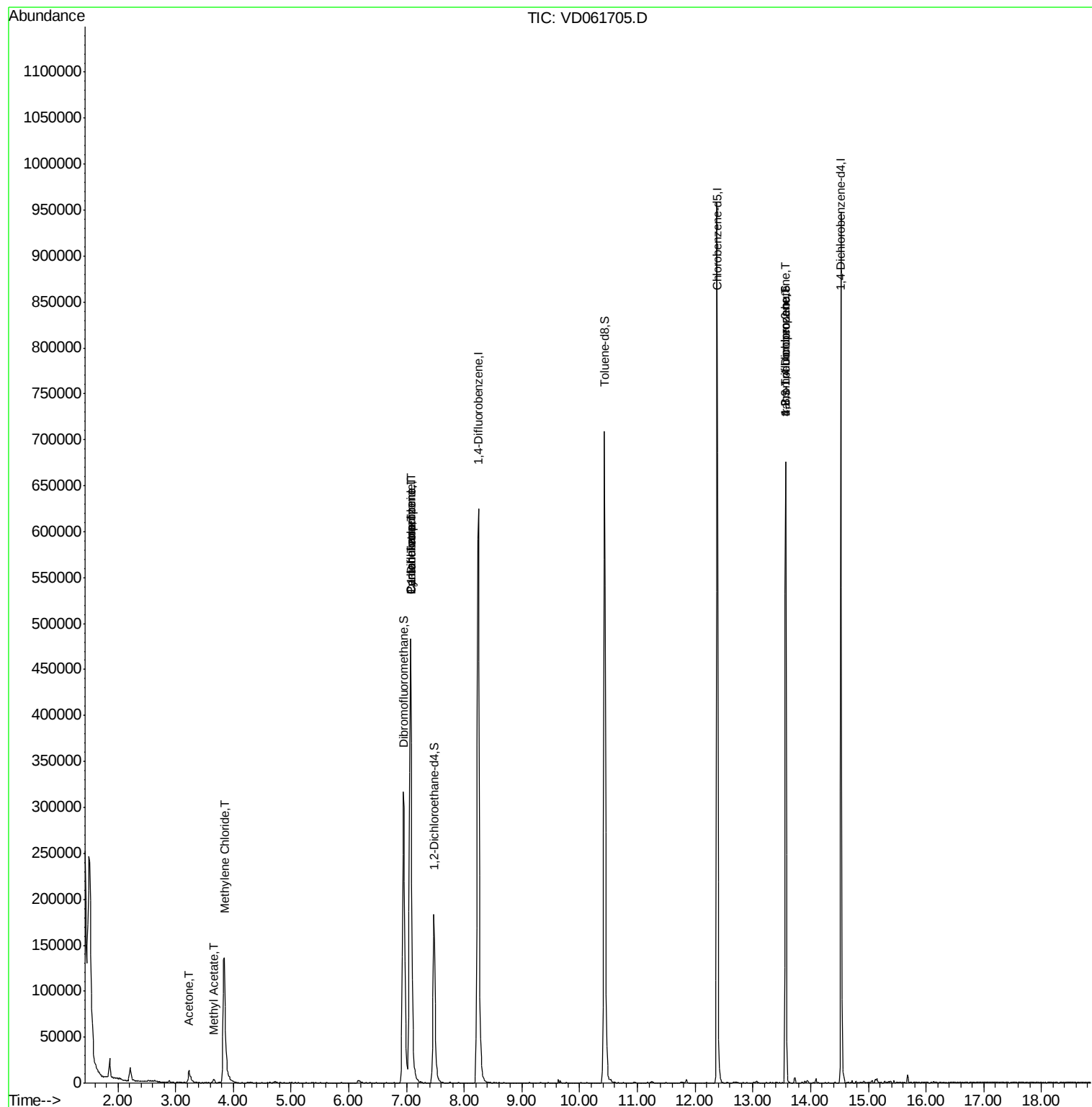
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	513937	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	774617	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	571453	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	207622	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	186133	47.78	ug/l	0.03
Spiked Amount 50.000			Recovery	=	95.56%	
35) Dibromofluoromethane	6.95	113	308867	57.56	ug/l	0.03
Spiked Amount 50.000			Recovery	=	115.12%	
50) Toluene-d8	10.43	98	607055	45.03	ug/l	0.03
Spiked Amount 50.000			Recovery	=	90.06%	
62) 4-Bromofluorobenzene	13.57	95	213936	44.02	ug/l	0.02
Spiked Amount 50.000			Recovery	=	88.04%	
Target Compounds						
					Qvalue	
16) Acetone	3.23	43	29022	24.922	ug/l	95
18) Methyl Acetate	3.67	43	7182	3.278	ug/l	99
20) Methylene Chloride	3.84	84	105772	16.006	ug/l	97
31) Cyclohexane	7.07	56	8353	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	37373	5.513	ug/l #	47
38) Carbon Tetrachloride	7.07	117	49276	6.202	ug/l #	15
76) 1,2,3-Trichloropropane	13.57	75	71609	25.351	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.57	75	79830	93.132	ug/l #	20

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

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MSVOA_D
ClientSampled :

Quant Time: Apr 10 08:30:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.04 min

Lab File: VD061705.D

Acq: 10 Apr 2019 7:37

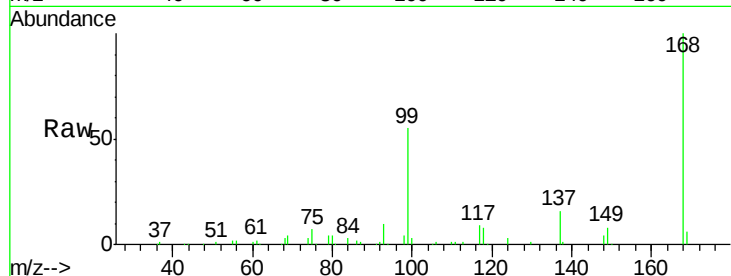
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 513937

Ion Ratio Lower Upper

168 100

99 55.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

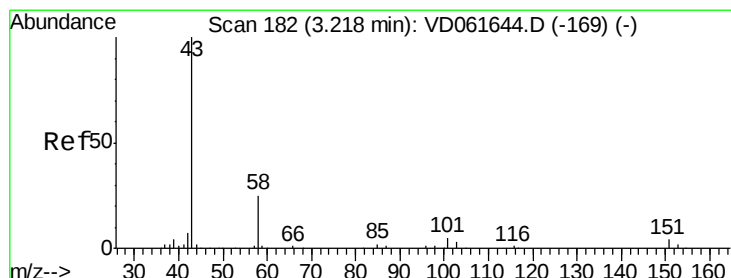
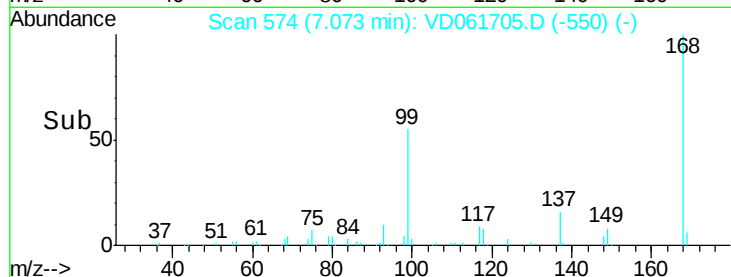
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 24.922 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061705.D

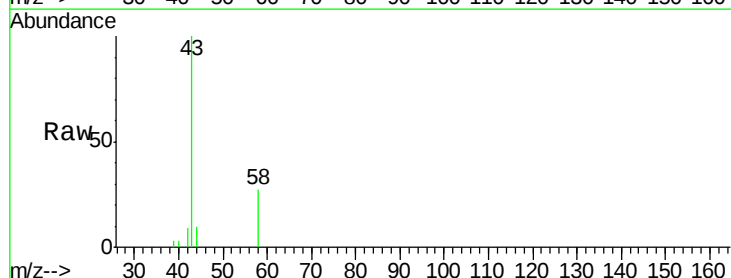
Acq: 10 Apr 2019 7:37

Tgt Ion: 43 Resp: 29022

Ion Ratio Lower Upper

43 100

58 27.3 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

10000

8000

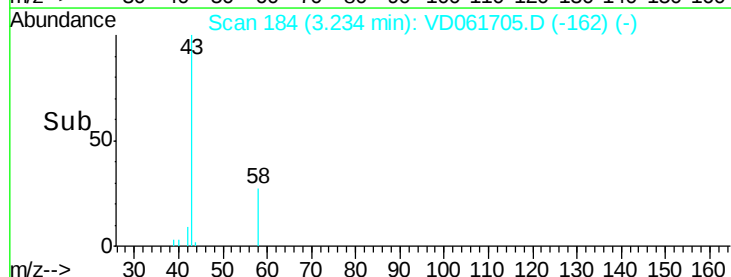
6000

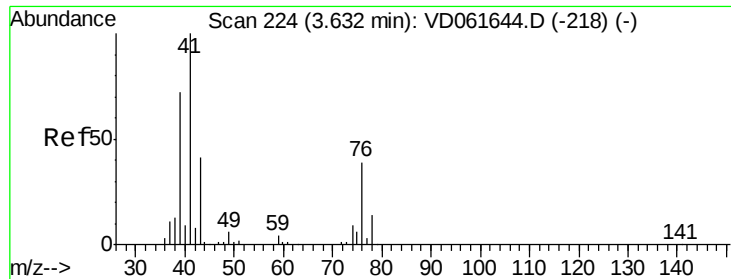
4000

2000

0

Time--> 3.10 3.20 3.30 3.40

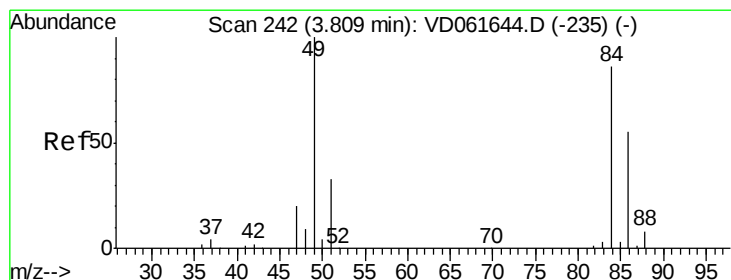
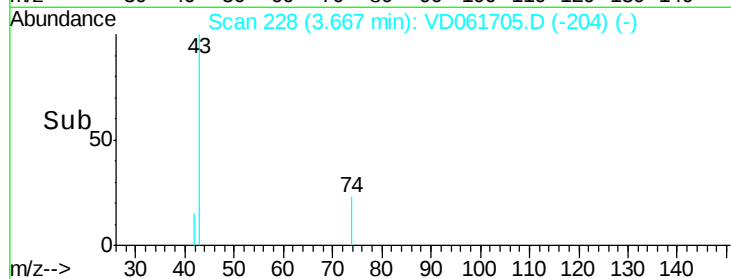
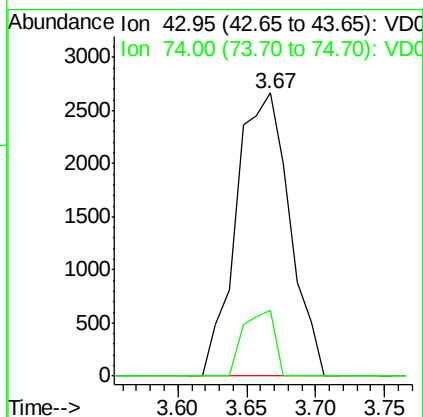
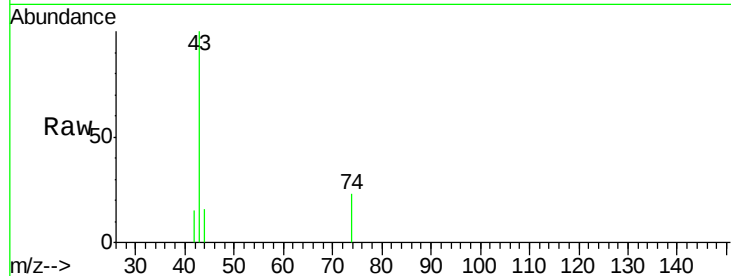




#18
Methyl Acetate
Concen: 3.278 ug/l
RT: 3.67 min Scan# 228
Delta R.T. 0.04 min
Lab File: VD061705.D
Acq: 10 Apr 2019 7:37

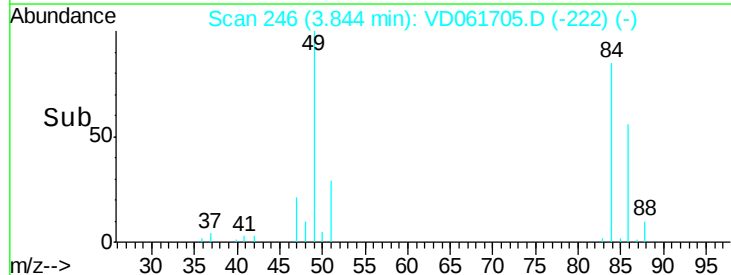
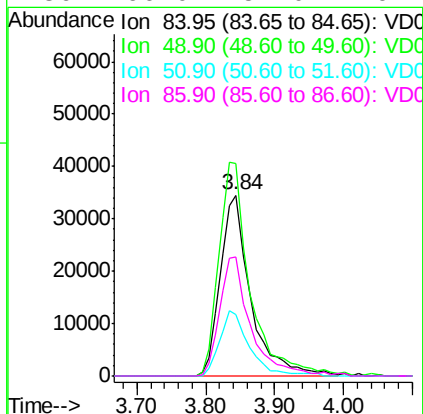
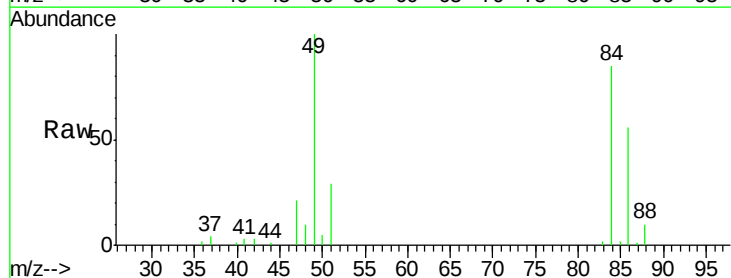
Instrument :
MSVOA_D
ClientSampleId :

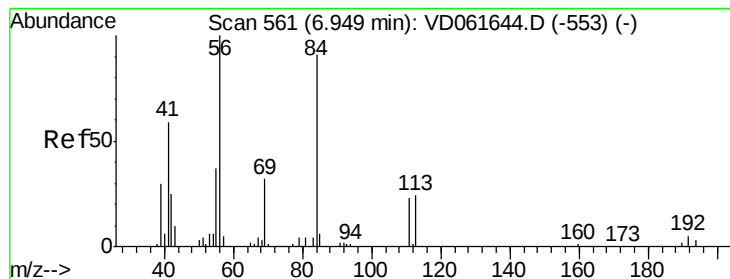
Tot Ion: 43 Resp: 7182
Ion Ratio Lower Upper
43 100
74 23.1 18.2 27.2



#20
Methylene Chloride
Concen: 16.006 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.04 min
Lab File: VD061705.D
Acq: 10 Apr 2019 7:37

Tgt Ion: 84 Resp: 105772
Ion Ratio Lower Upper
84 100
49 117.6 93.0 139.4
51 34.0 30.4 45.6
86 66.0 51.0 76.4





#31

Cvclohexane

Concen: 1.139 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.12 min

Lab File: VD061705.D

Acq: 10 Apr 2019 7:37

Instrument :
MSVOA_D
ClientSampled :

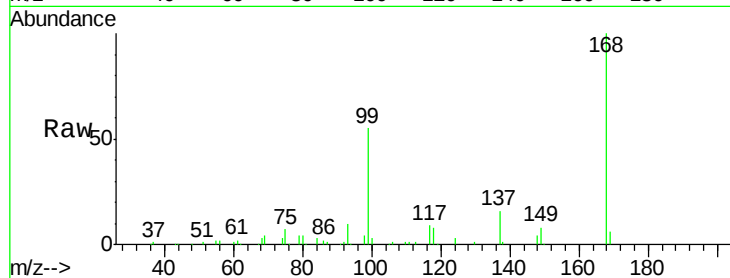
Tot Ion: 56 Resp: 8353

Ion Ratio Lower Upper

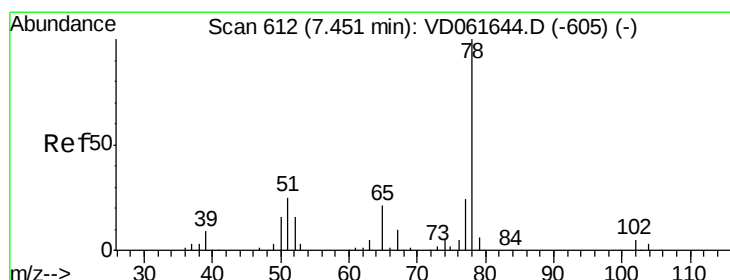
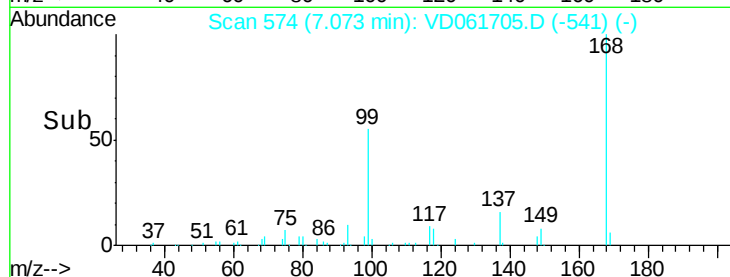
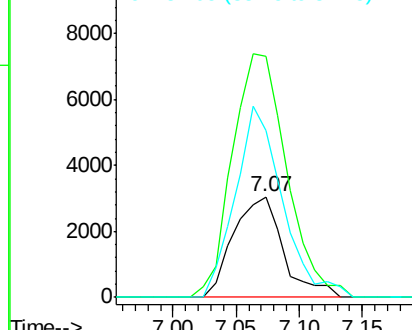
56 100

69 239.3 25.8 38.6#

84 165.5 74.2 111.2#



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: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061705.D

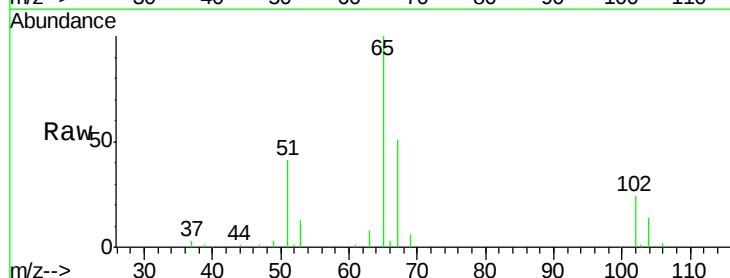
Acq: 10 Apr 2019 7:37

Tgt Ion: 65 Resp: 186133

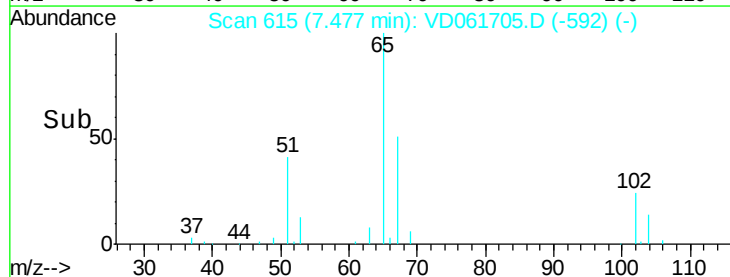
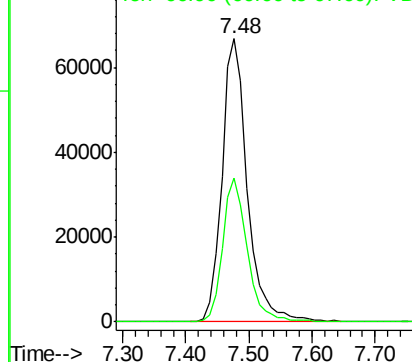
Ion Ratio Lower Upper

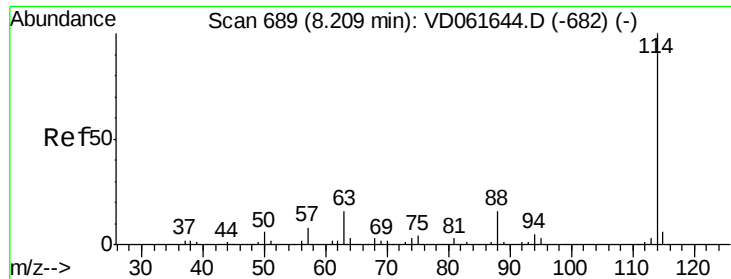
65 100

67 51.0 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

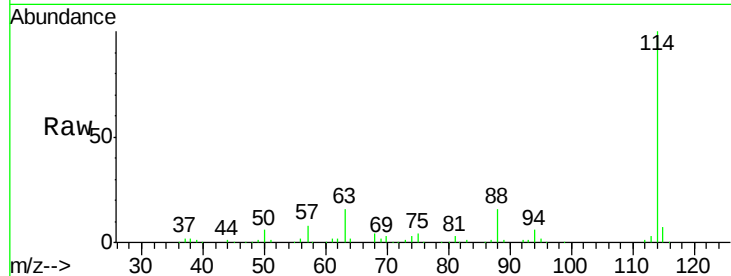




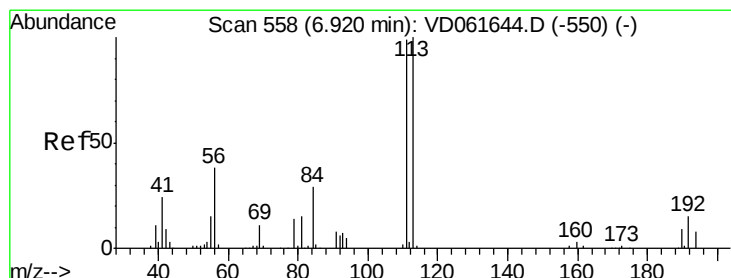
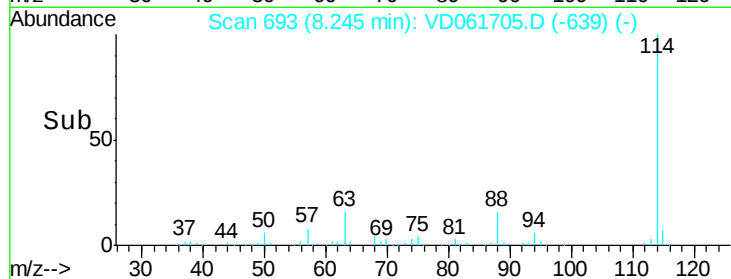
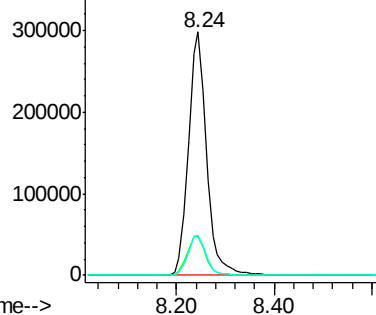
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.04 min
 Lab File: VD061705.D
 Acq: 10 Apr 2019 7:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 774617
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 31.2
 88 16.2 0.0 31.8

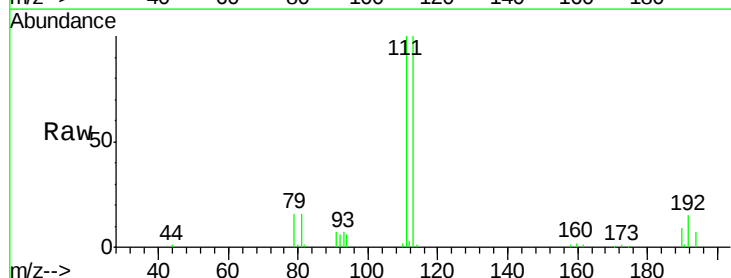


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

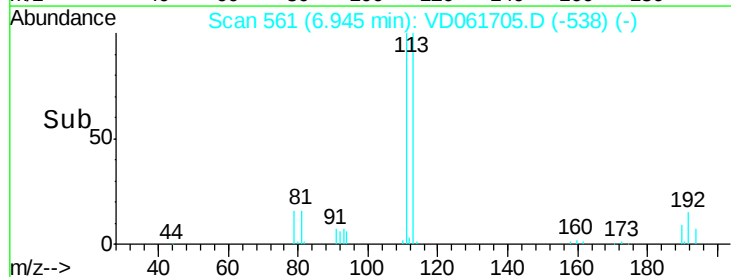
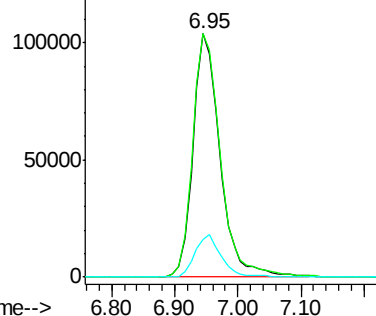


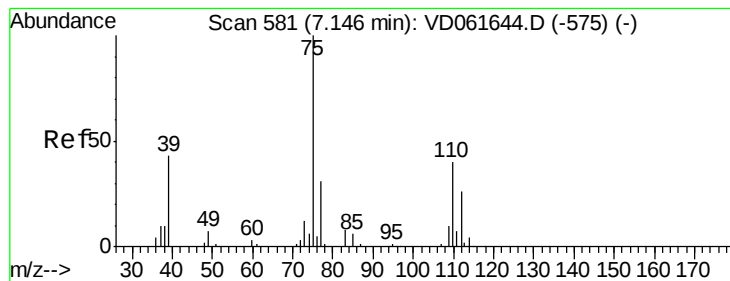
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.03 min
 Lab File: VD061705.D
 Acq: 10 Apr 2019 7:37

Tgt Ion:113 Resp: 308867
 Ion Ratio Lower Upper
 113 100
 111 100.1 79.3 118.9
 192 15.3 12.3 18.5



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: 5.513 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.07 min

Lab File: VD061705.D

Acq: 10 Apr 2019 7:37

Instrument :
MSVOA_D
ClientSampled :

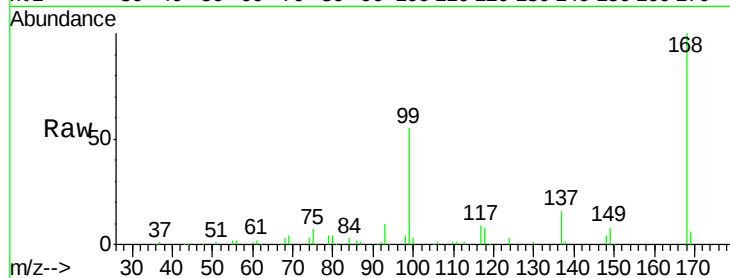
Tot Ion: 75 Resp: 37373

Ion Ratio Lower Upper

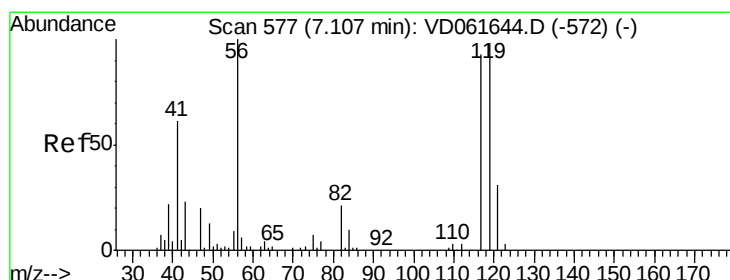
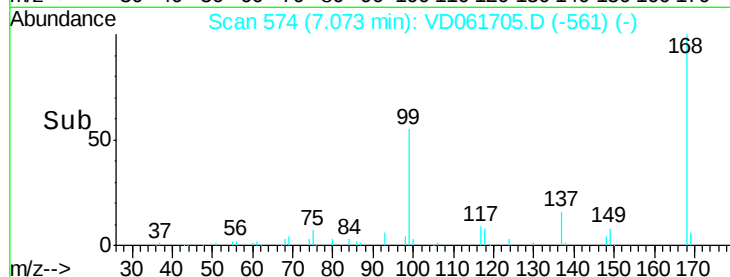
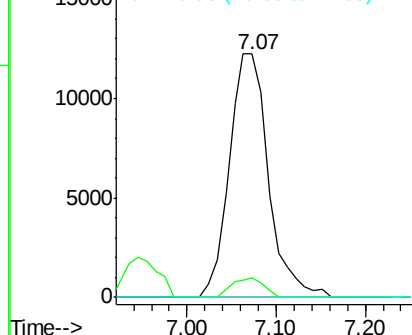
75 100

110 8.1 19.7 59.0#

77 0.0 24.8 37.2#



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: 6.202 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.03 min

Lab File: VD061705.D

Acq: 10 Apr 2019 7:37

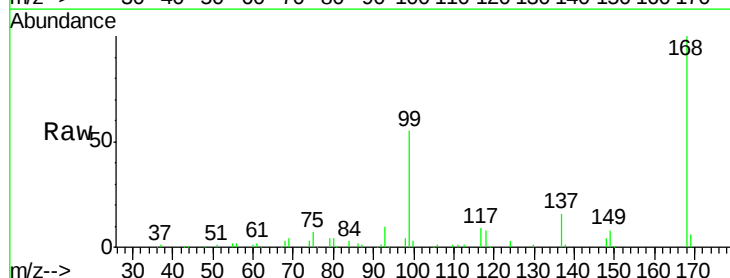
Tgt Ion: 117 Resp: 49276

Ion Ratio Lower Upper

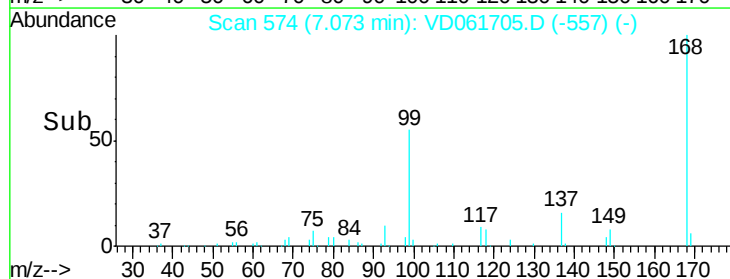
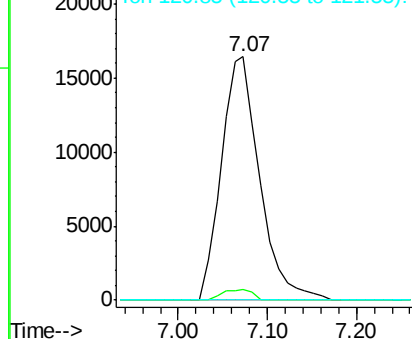
117 100

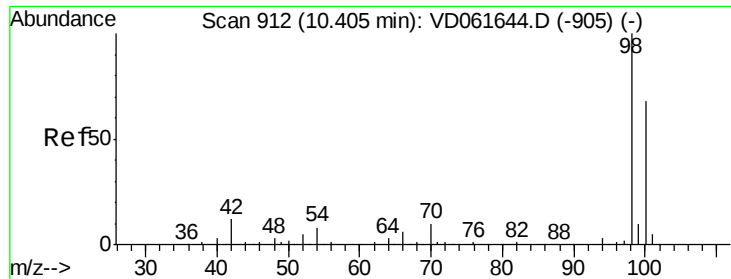
119 4.2 77.9 116.9#

121 0.0 24.7 37.1#



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: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD061705.D

Acq: 10 Apr 2019 7:37

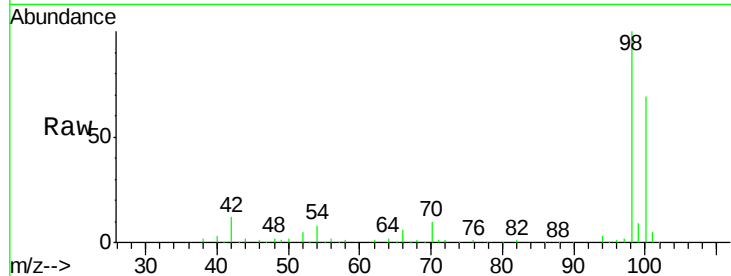
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 607055

Ion Ratio Lower Upper

98 100

100 68.8 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD061644.D (-905) (-)

10.43

300000

250000

200000

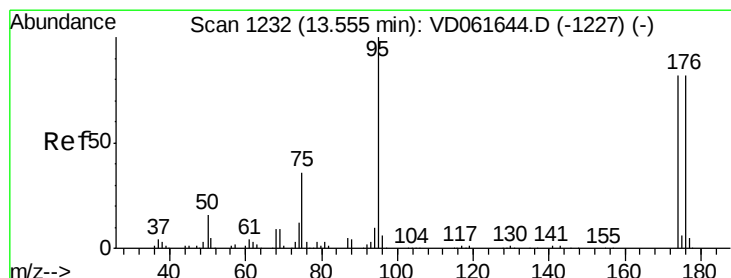
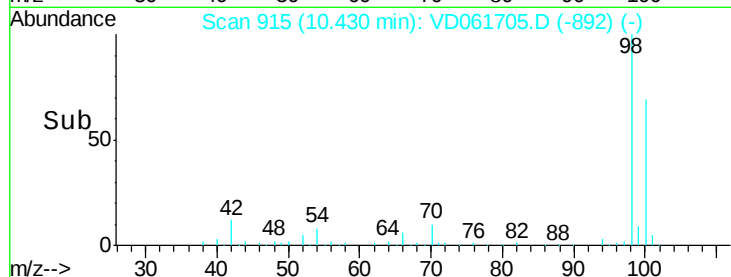
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061705.D

Acq: 10 Apr 2019 7:37

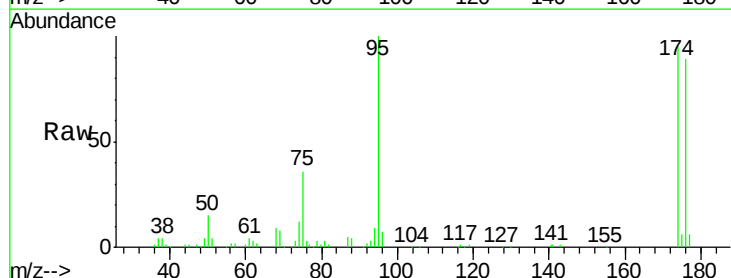
Tgt Ion: 95 Resp: 213936

Ion Ratio Lower Upper

95 100

174 94.6 0.0 164.6

176 88.7 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): VD061644.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD061644.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD061644.D (-1227) (-)

200000

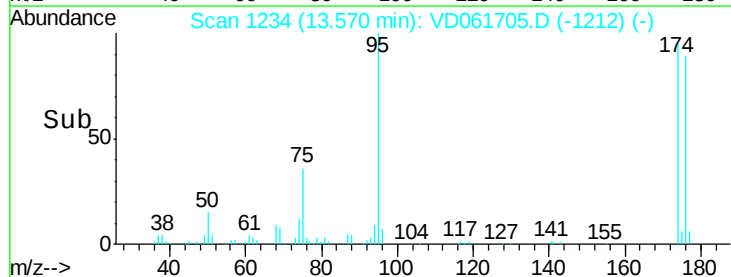
150000

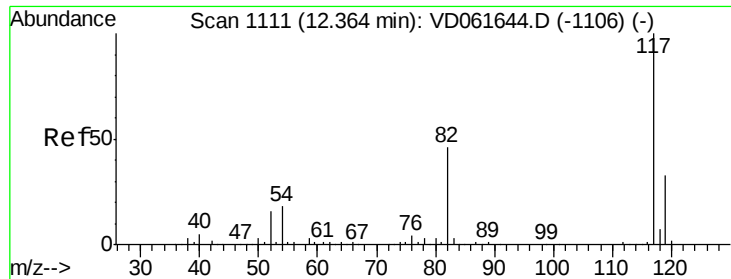
100000

50000

0

Time-->

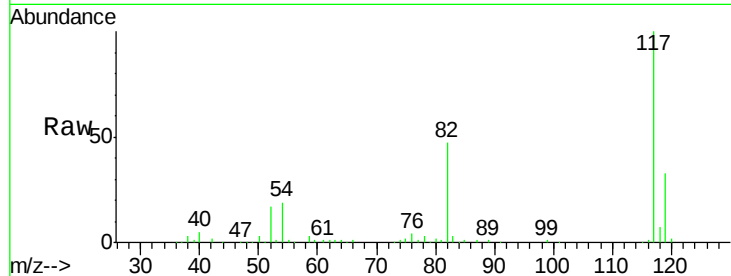




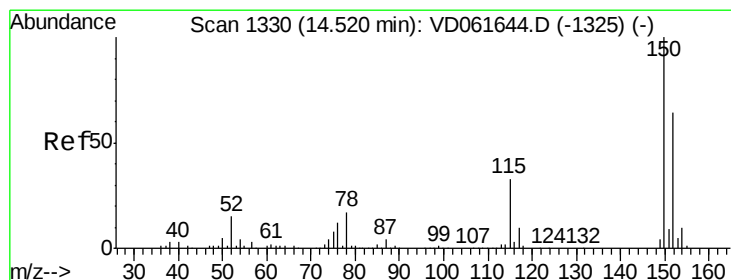
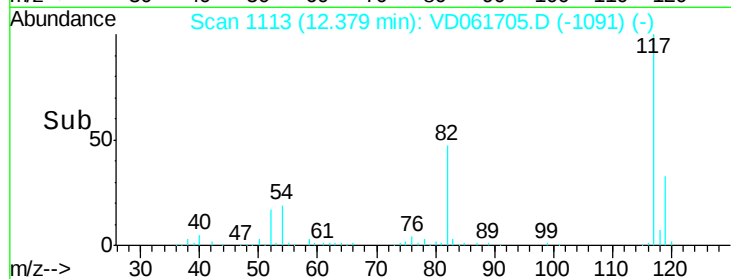
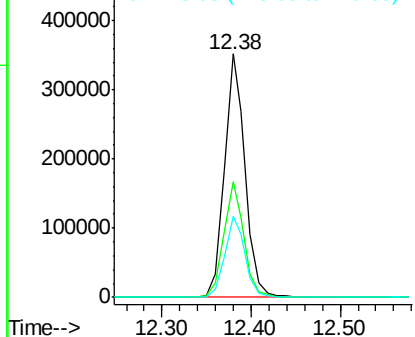
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.38 min Scan# 1113
 Delta R.T. 0.02 min
 Lab File: VD061705.D
 Acq: 10 Apr 2019 7:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:117 Resp: 571453
 Ion Ratio Lower Upper
 117 100
 82 47.4 36.8 55.2
 119 33.1 26.1 39.1

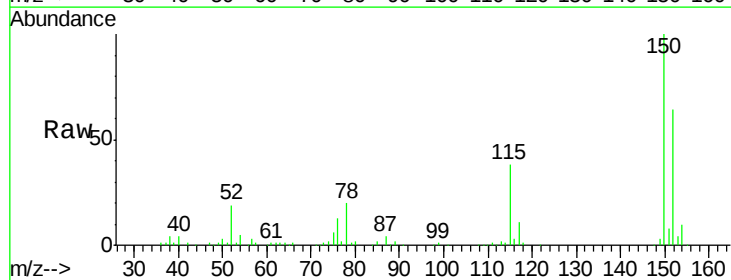


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

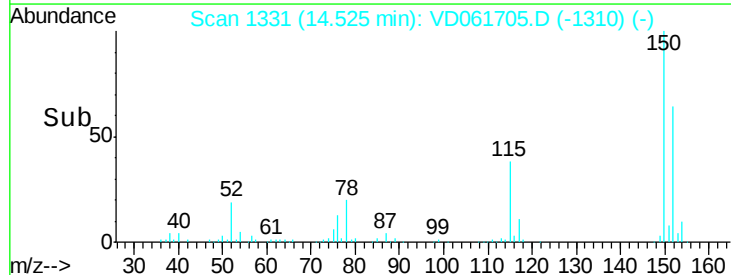
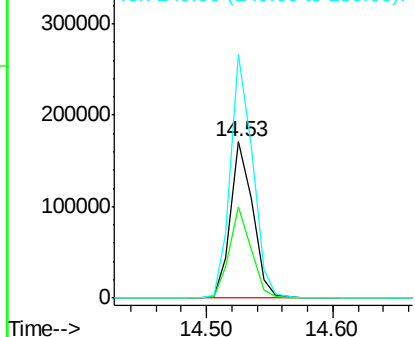


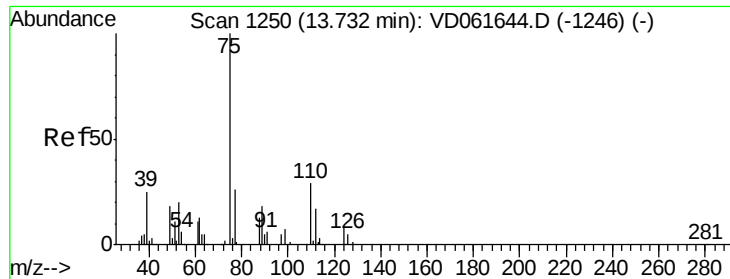
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VD061705.D
 Acq: 10 Apr 2019 7:37

Tgt Ion:152 Resp: 207622
 Ion Ratio Lower Upper
 152 100
 115 58.7 26.4 79.2
 150 155.9 0.0 320.6



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





#76

1,2,3-Trichloropropane

Concen: 25.351 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD061705.D

Acq: 10 Apr 2019 7:37

Instrument :

MSVOA_D

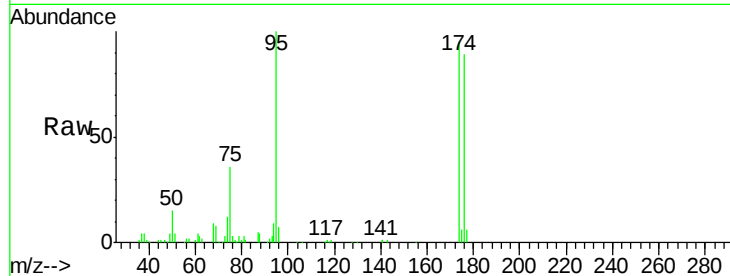
ClientSampleId :

Tot Ion: 75 Resp: 71609

Ion Ratio Lower Upper

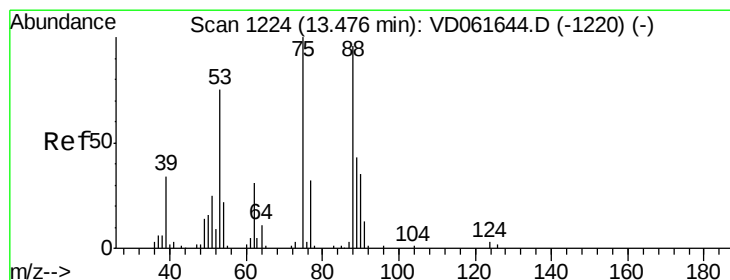
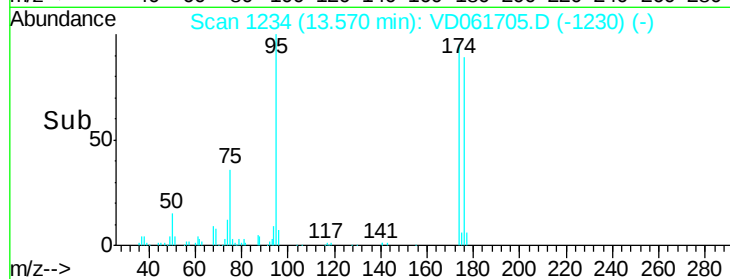
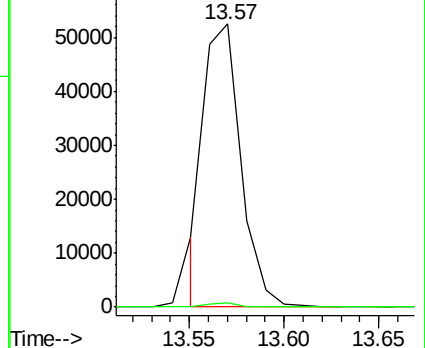
75 100

77 1.7 15.7 47.1#



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: 93.132 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.09 min

Lab File: VD061705.D

Acq: 10 Apr 2019 7:37

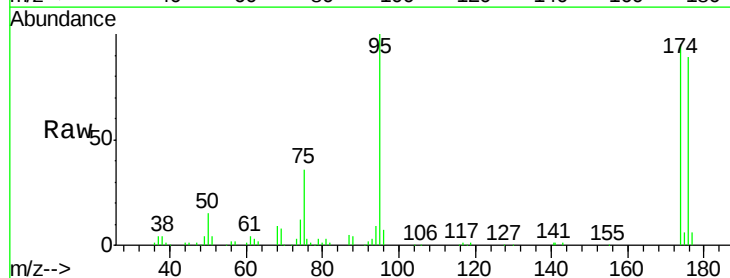
Tgt Ion: 75 Resp: 79830

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#



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

