

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061702.D
 Acq On : 10 Apr 2019 6:12
 Operator : VA/AP
 Sample : K2338-10
 Misc : 6.07g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 06:41:37 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

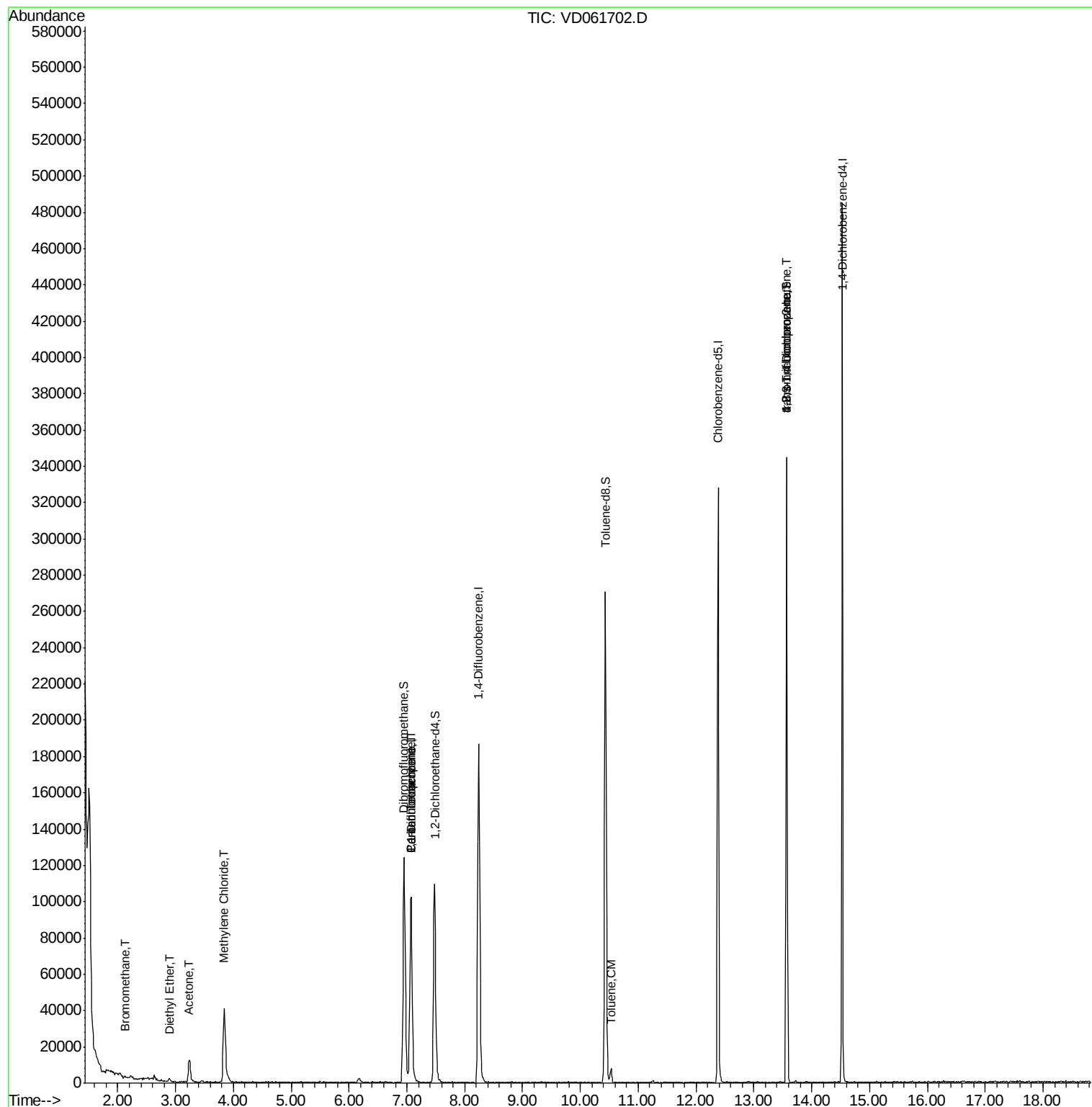
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	115793	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	233296	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	205975	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	107617	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	105393	120.08	ug/l	0.03
Spiked Amount 50.000			Recovery	=	240.16%	
35) Dibromofluoromethane	6.95	113	119613	74.01	ug/l	0.03
Spiked Amount 50.000			Recovery	=	148.02%	
50) Toluene-d8	10.43	98	243806	60.04	ug/l	0.03
Spiked Amount 50.000			Recovery	=	120.08%	
62) 4-Bromofluorobenzene	13.56	95	109720	92.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	185.20%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.11	94	416	1.905	ug/l #	12
8) Diethyl Ether	2.89	74	490	1.226	ug/l	88
16) Acetone	3.24	43	25957	98.931	ug/l	94
20) Methylene Chloride	3.85	84	32385	21.752	ug/l	94
36) 1,1-Dichloropropene	7.07	75	7174	3.514	ug/l #	39
38) Carbon Tetrachloride	7.08	117	10710	4.476	ug/l #	11
52) Toluene	10.53	92	4826	1.569	ug/l	94
76) 1,2,3-Trichloropropane	13.56	75	32549	22.231	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	40827	91.891	ug/l #	20

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.04 min

Lab File: VD061702.D

Acq: 10 Apr 2019 6:12

Instrument :

MSVOA_D

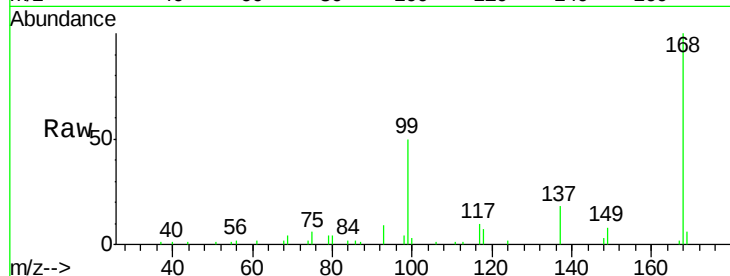
ClientSampleId :

Tot Ion:168 Resp: 115793

Ion Ratio Lower Upper

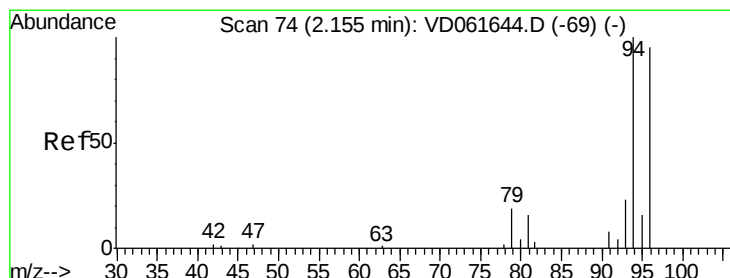
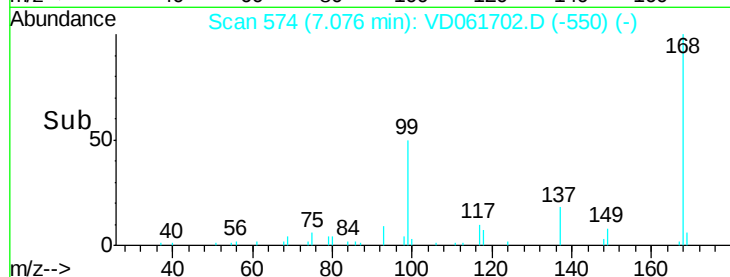
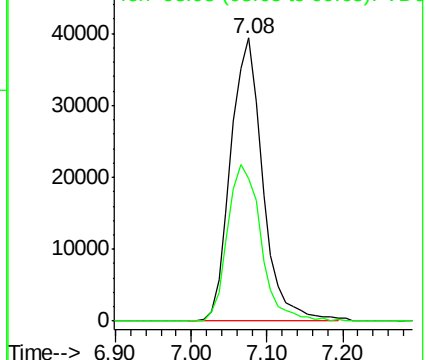
168 100

99 50.5 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.905 ug/l

RT: 2.11 min Scan# 70

Delta R.T. -0.04 min

Lab File: VD061702.D

Acq: 10 Apr 2019 6:12

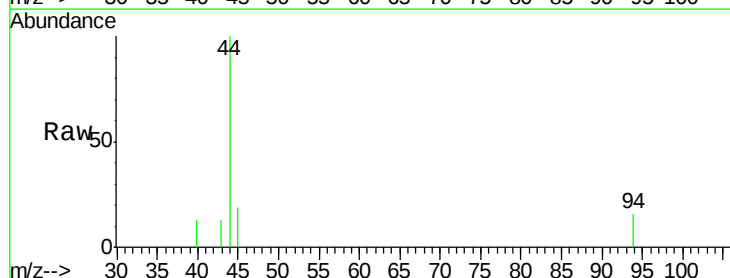
Tgt Ion: 94 Resp: 416

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

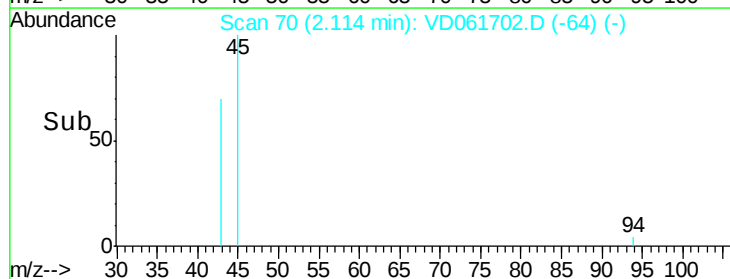
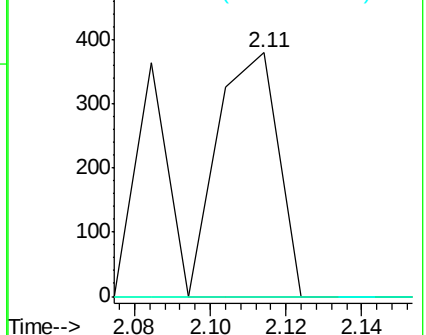
93 0.0 18.6 28.0#

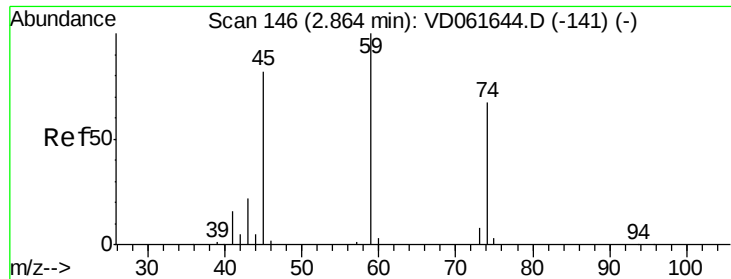


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 1.226 ug/l

RT: 2.89 min Scan# 149

Delta R.T. 0.03 min

Lab File: VD061702.D

Acq: 10 Apr 2019 6:12

Instrument :

MSVOA_D

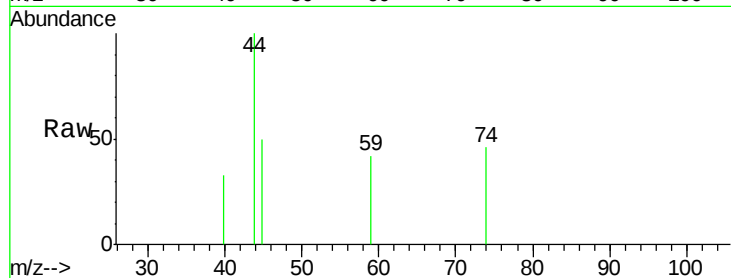
ClientSampleId :

Tot Ion: 74 Resp: 490

Ion Ratio Lower Upper

74 100

45 108.2 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.89

400

300

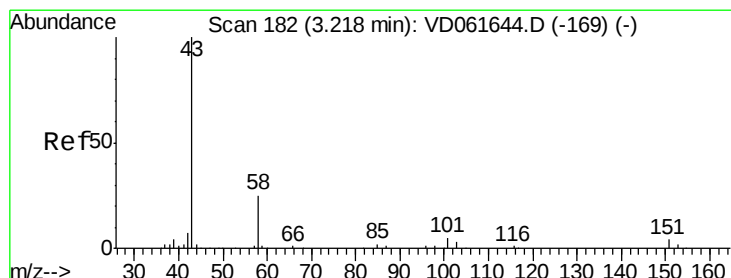
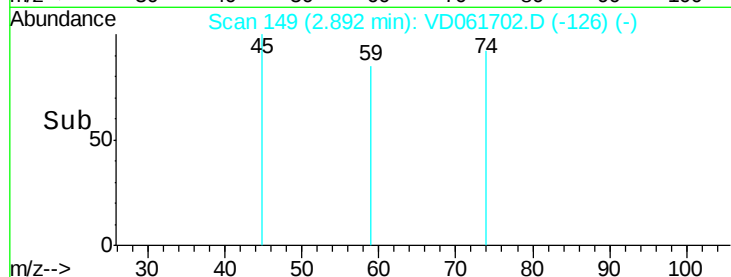
200

100

0

Time-->

2.84 2.86 2.88 2.90 2.92



#16

Acetone

Concen: 98.931 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061702.D

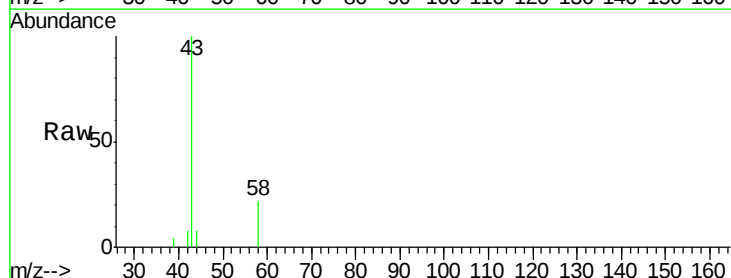
Acq: 10 Apr 2019 6:12

Tgt Ion: 43 Resp: 25957

Ion Ratio Lower Upper

43 100

58 21.5 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

10000

8000

6000

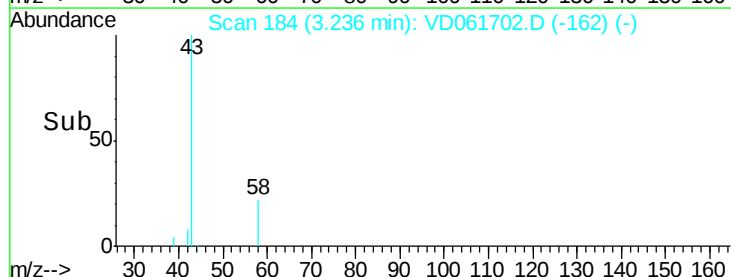
4000

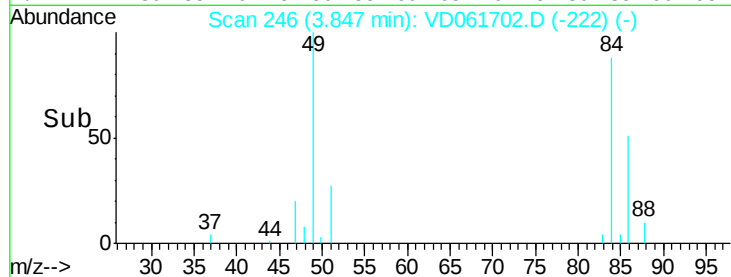
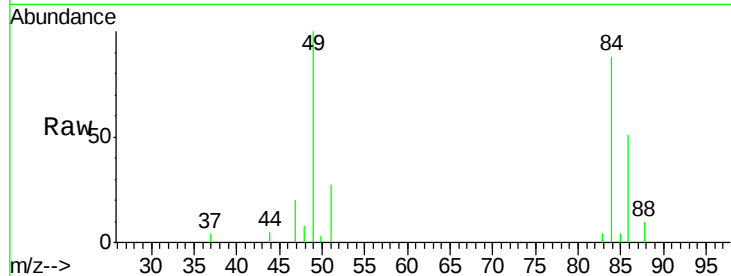
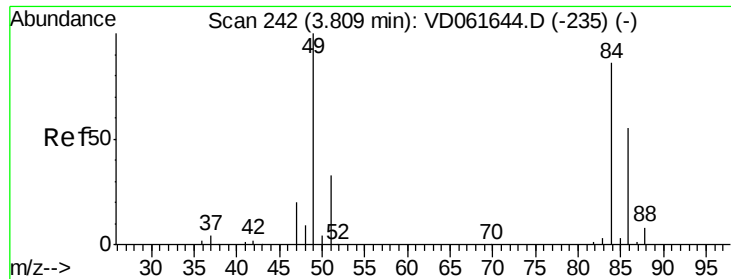
2000

0

Time-->

3.20 3.22 3.24 3.26 3.28 3.30 3.32 3.34 3.36 3.38 3.40

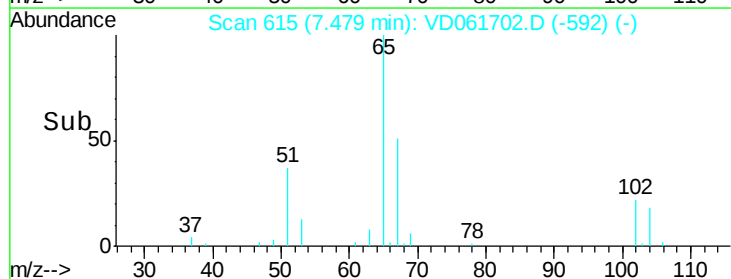
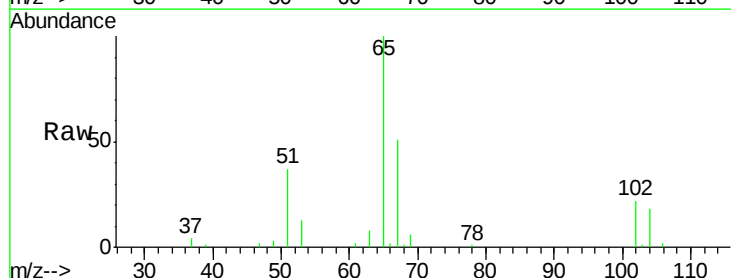
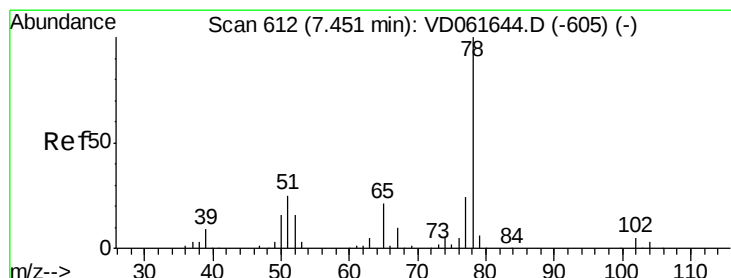
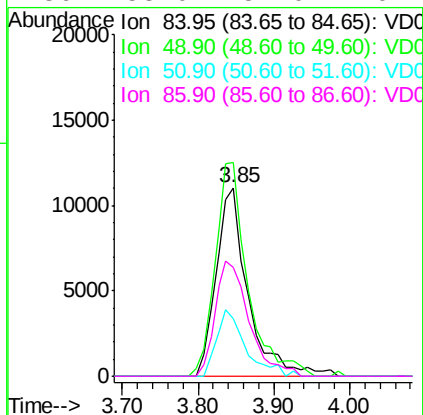




#20
Methvlene Chloride
Concen: 21.752 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.04 min
Lab File: VD061702.D
Acq: 10 Apr 2019 6:12

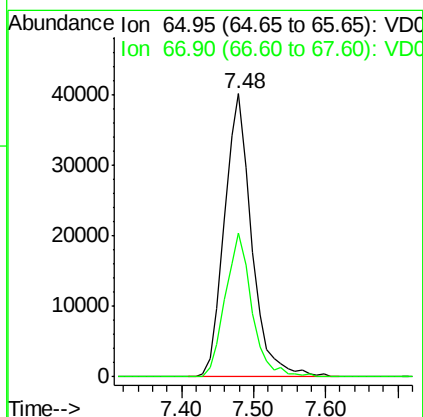
Instrument :
MSVOA_D
ClientSampleId :

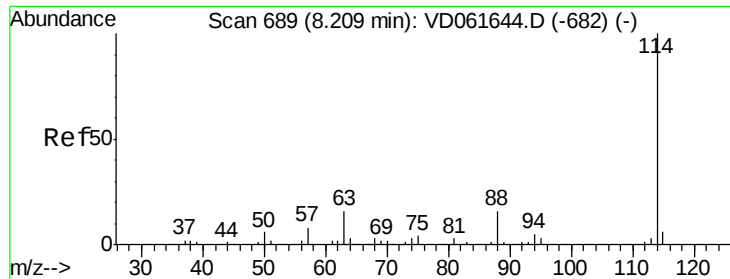
Tot Ion: 84 Resp: 32385
Ion Ratio Lower Upper
84 100
49 113.5 93.0 139.4
51 30.5 30.4 45.6
86 58.0 51.0 76.4



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD061702.D
Acq: 10 Apr 2019 6:12

Tgt Ion: 65 Resp: 105393
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.4

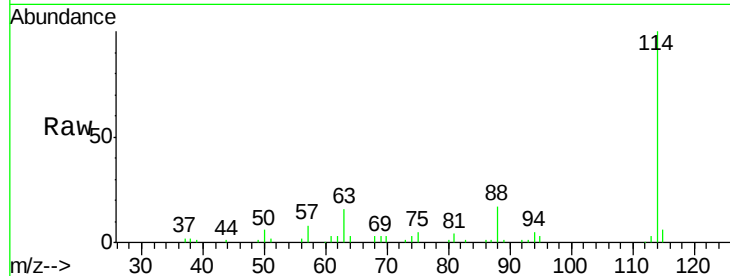




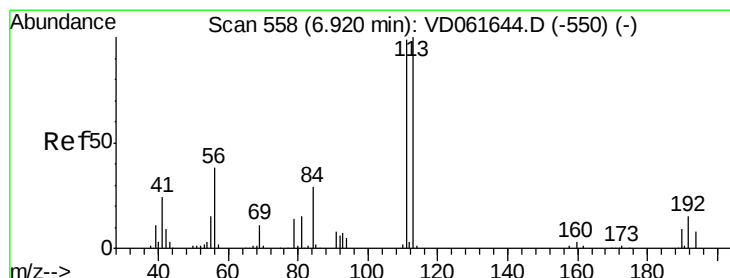
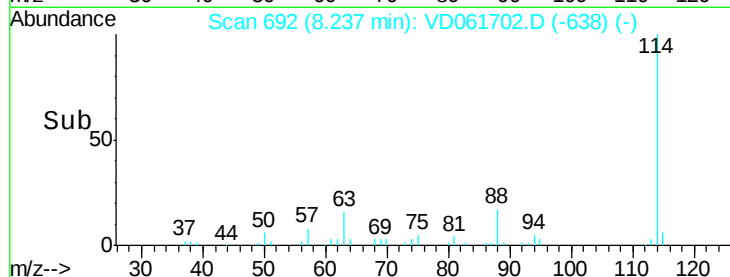
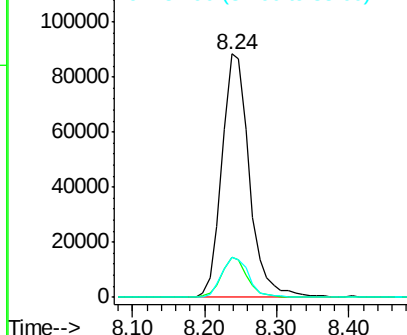
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD061702.D
 Acq: 10 Apr 2019 6:12

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 233296
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 31.2
 88 16.7 0.0 31.8

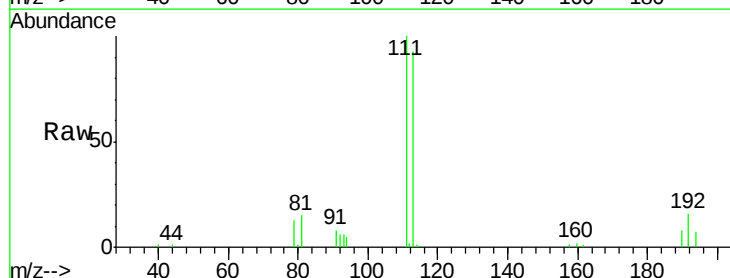


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

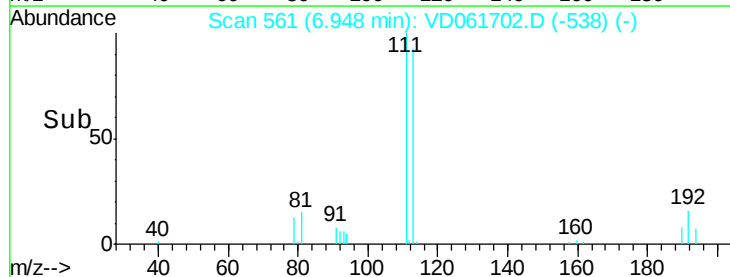
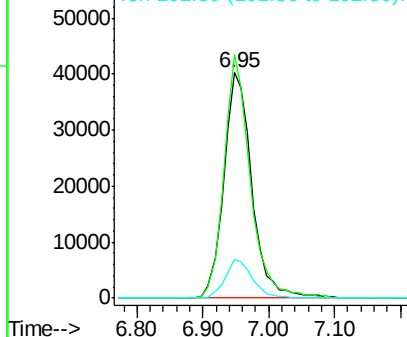


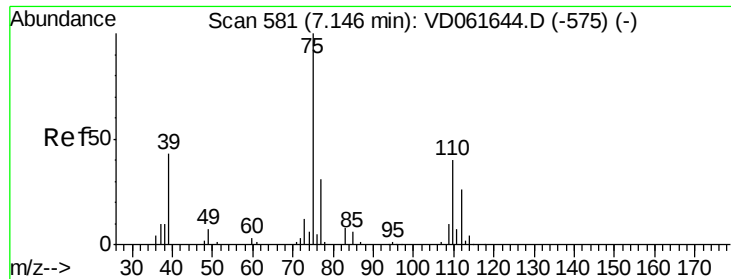
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.03 min
 Lab File: VD061702.D
 Acq: 10 Apr 2019 6:12

Tgt Ion:113 Resp: 119613
 Ion Ratio Lower Upper
 113 100
 111 108.0 79.3 118.9
 192 17.2 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: 3.514 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD061702.D

Acq: 10 Apr 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

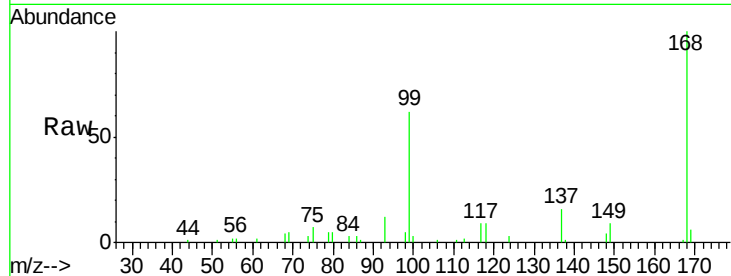
Tot Ion: 75 Resp: 7174

Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.0#

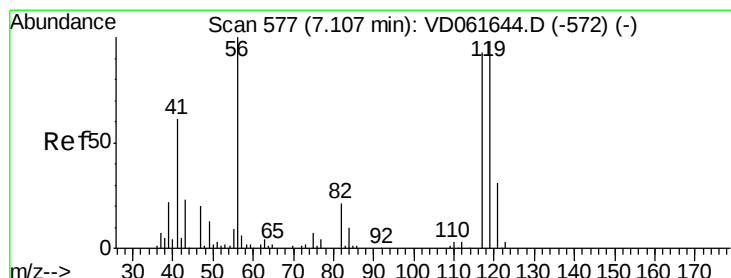
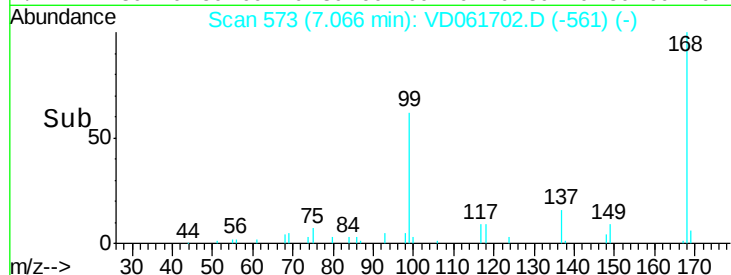
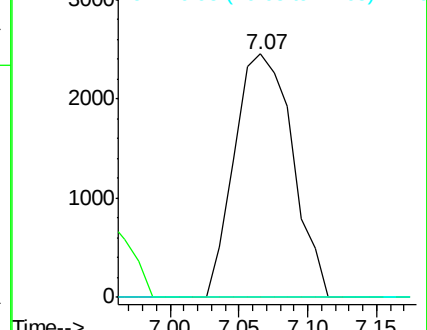
77 0.0 24.8 37.2#



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: 4.476 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.03 min

Lab File: VD061702.D

Acq: 10 Apr 2019 6:12

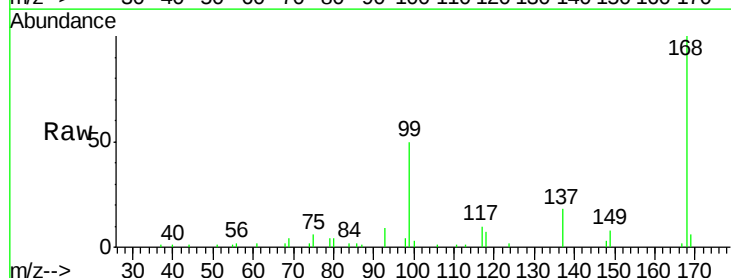
Tgt Ion: 117 Resp: 10710

Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

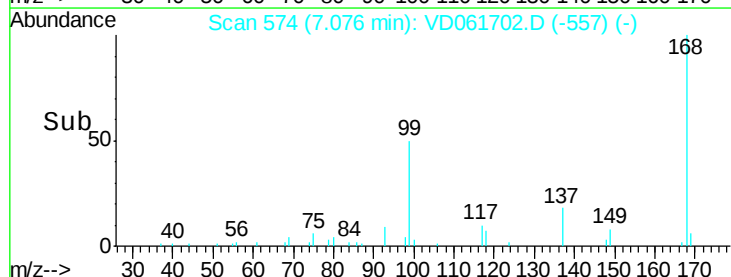
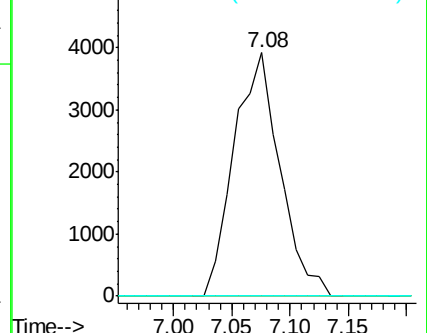
121 0.0 24.7 37.1#

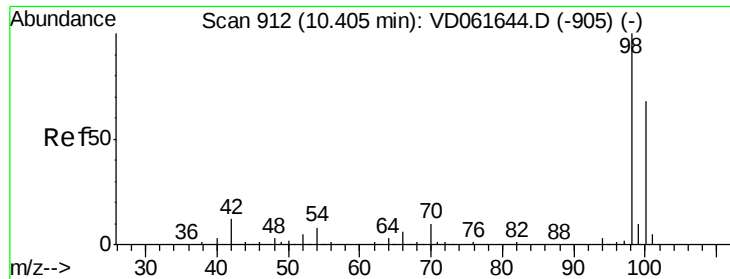


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

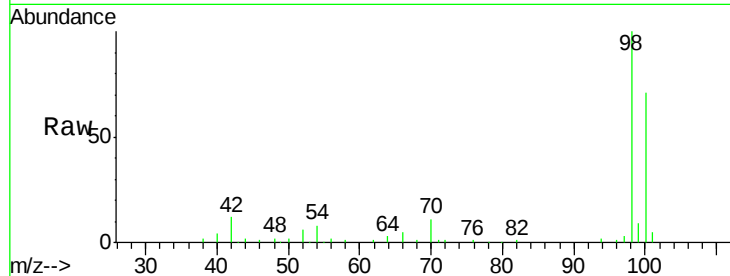




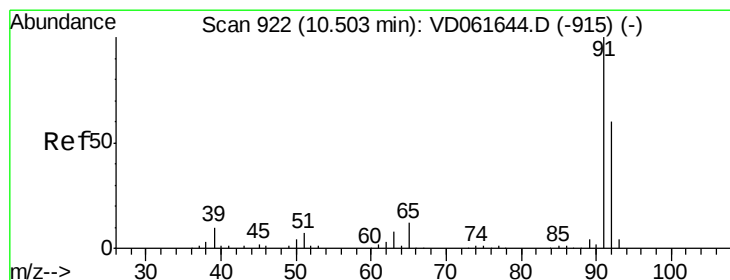
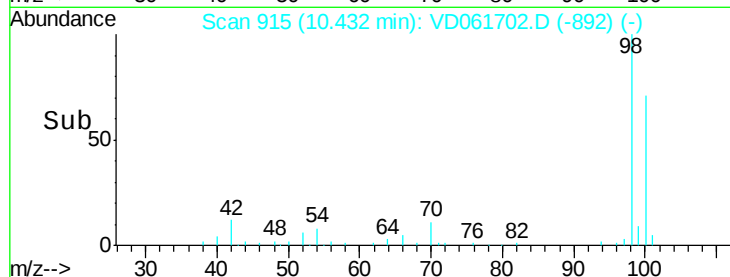
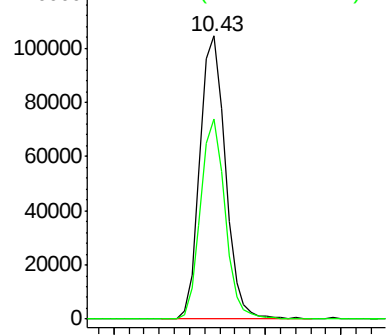
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061702.D
Acq: 10 Apr 2019 6:12

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 243806
Ion Ratio Lower Upper
98 100
100 70.9 55.4 83.0

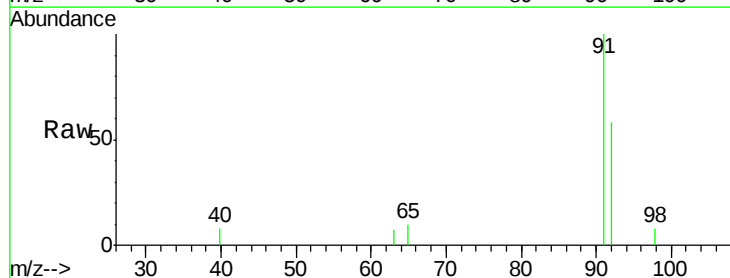


Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD061644.D (-905) (-)

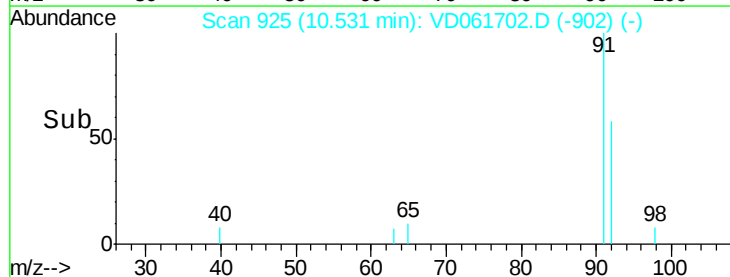
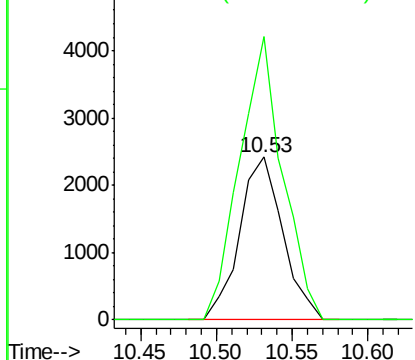


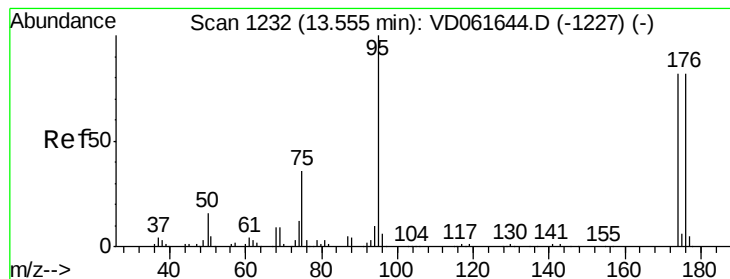
#52
Toluene
Concen: 1.569 ug/l
RT: 10.53 min Scan# 925
Delta R.T. 0.03 min
Lab File: VD061702.D
Acq: 10 Apr 2019 6:12

Tgt Ion: 92 Resp: 4826
Ion Ratio Lower Upper
92 100
91 173.7 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VD061644.D (-915) (-)
Ion 91.00 (90.70 to 91.70): VD061644.D (-915) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061702.D

Acq: 10 Apr 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

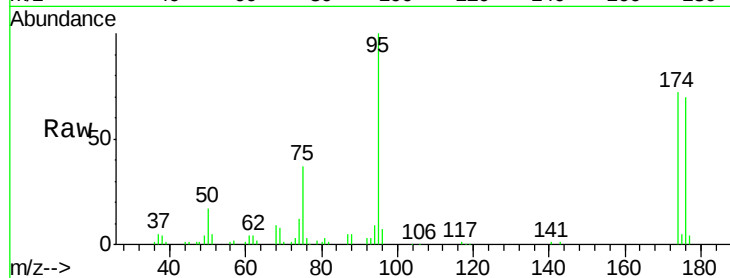
Tot Ion: 95 Resp: 109720

Ion Ratio Lower Upper

95 100

174 72.3 0.0 164.6

176 70.0 0.0 165.0

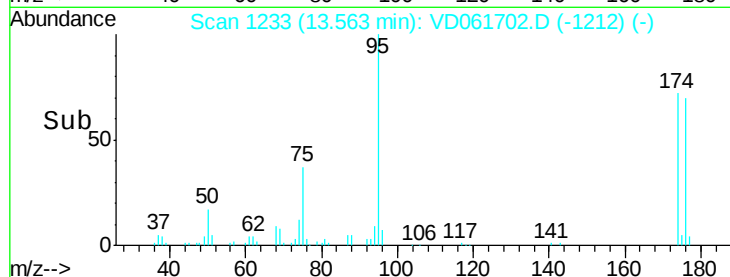


Abundance Ion 95.00 (94.70 to 95.70): V

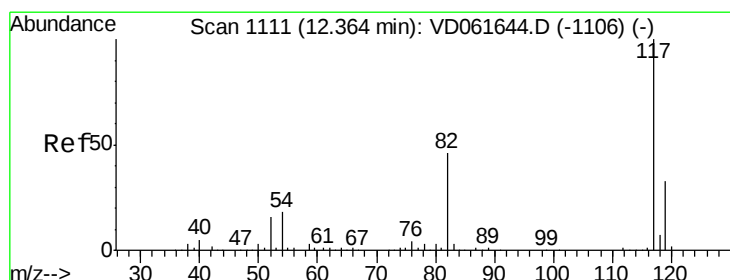
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061702.D

Acq: 10 Apr 2019 6:12

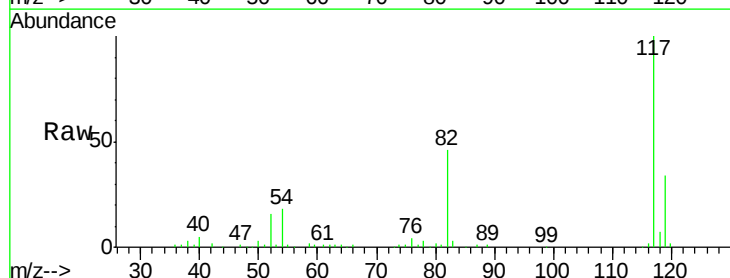
Tgt Ion: 117 Resp: 205975

Ion Ratio Lower Upper

117 100

82 45.7 36.8 55.2

119 33.8 26.1 39.1

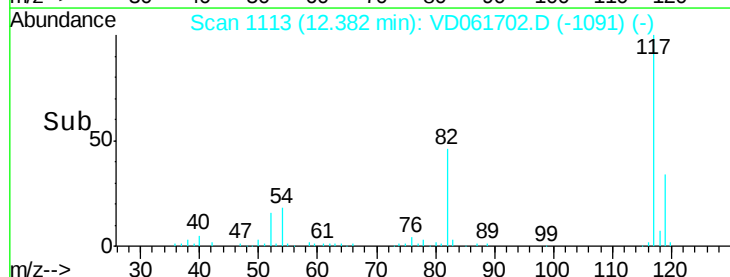


Abundance Ion 116.95 (116.65 to 117.65): V

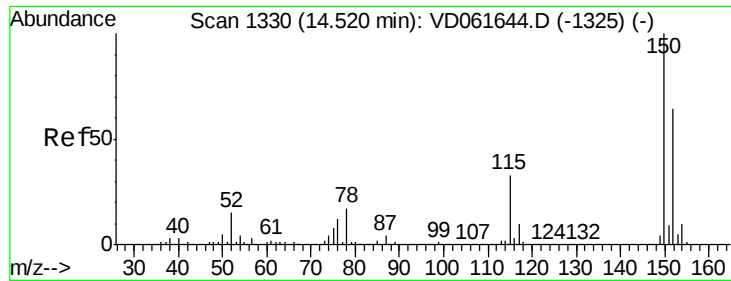
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061702.D

Acq: 10 Apr 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

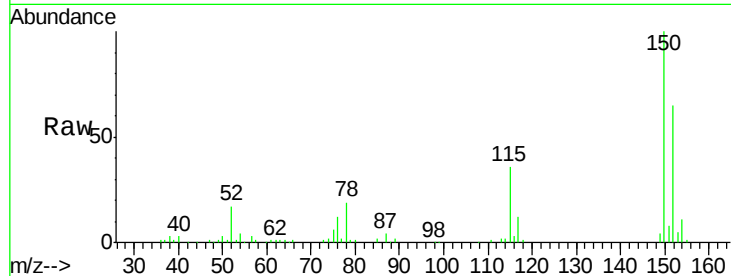
Tot Ion:152 Resp: 107617

Ion Ratio Lower Upper

152 100

115 55.7 26.4 79.2

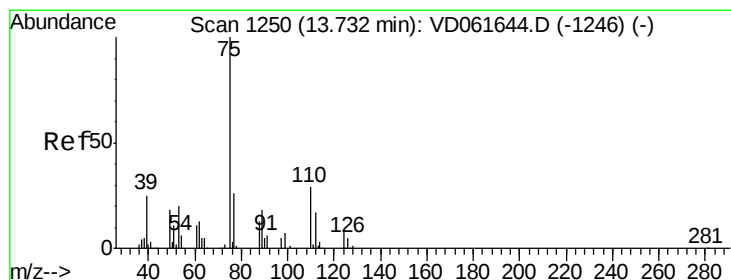
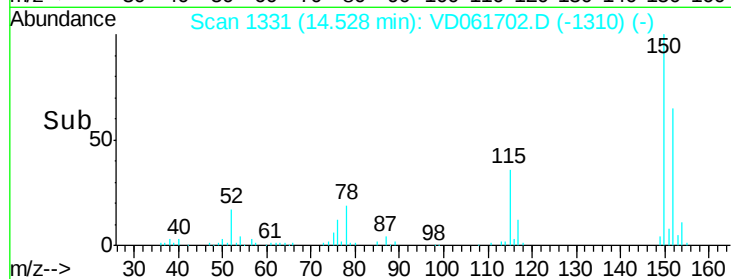
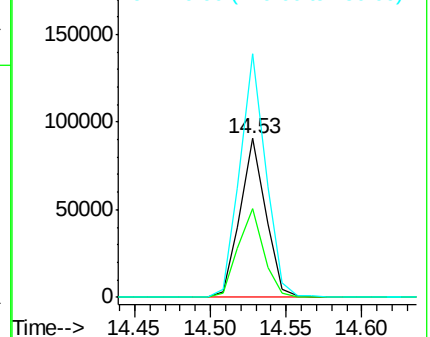
150 153.1 0.0 320.6



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: 22.231 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061702.D

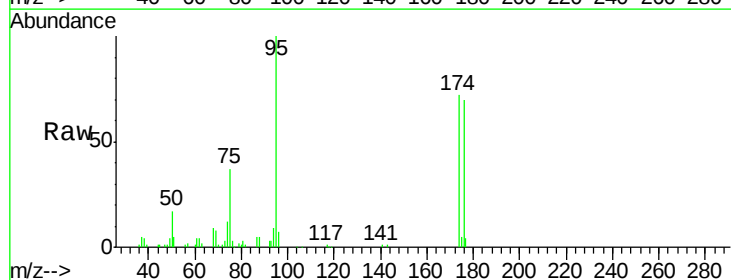
Acq: 10 Apr 2019 6:12

Tgt Ion: 75 Resp: 32549

Ion Ratio Lower Upper

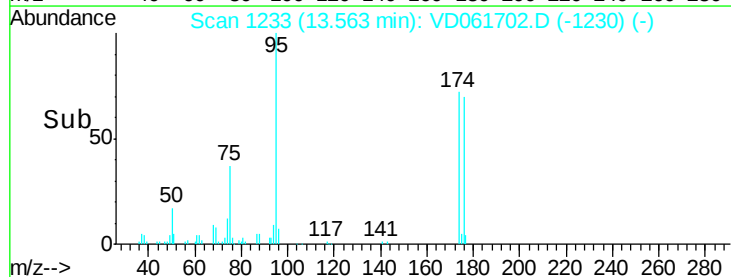
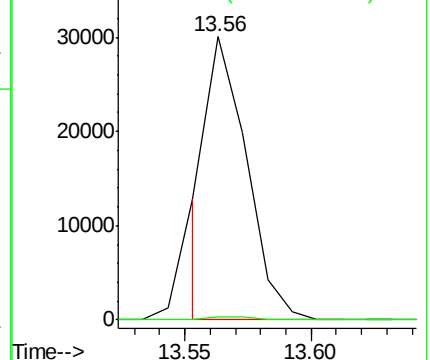
75 100

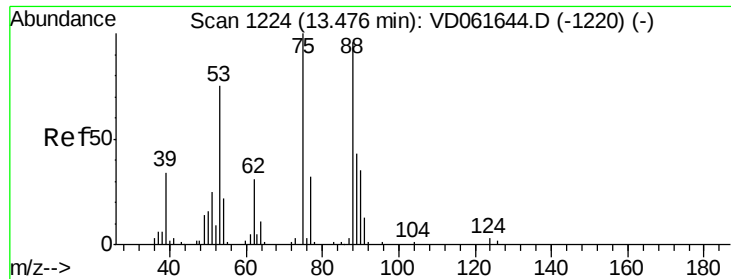
77 1.1 15.7 47.1#



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: 91.891 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061702.D

Acq: 10 Apr 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

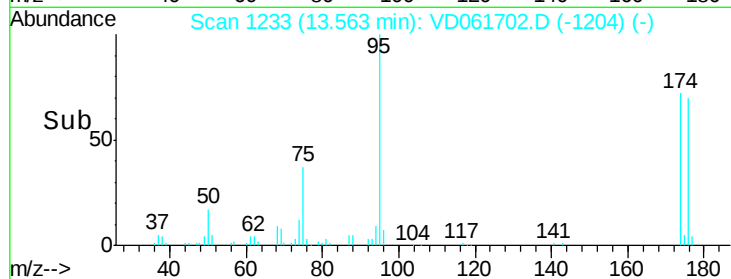
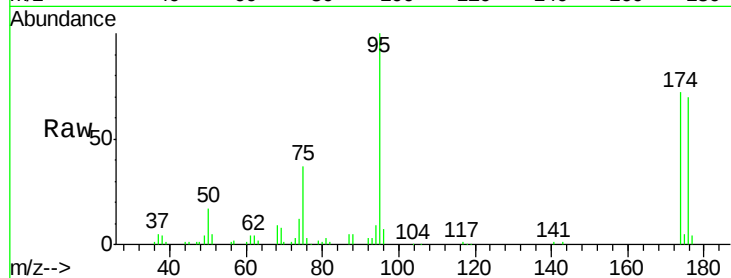
Tot Ion: 75 Resp: 40827

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

