

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061553.D
 Acq On : 3 Apr 2019 12:00
 Operator : VA/AP
 Sample : K2203-03
 Misc : 5.53g/5ml/MSVOA D/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-040219-B

Quant Time: Apr 04 00:58:41 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

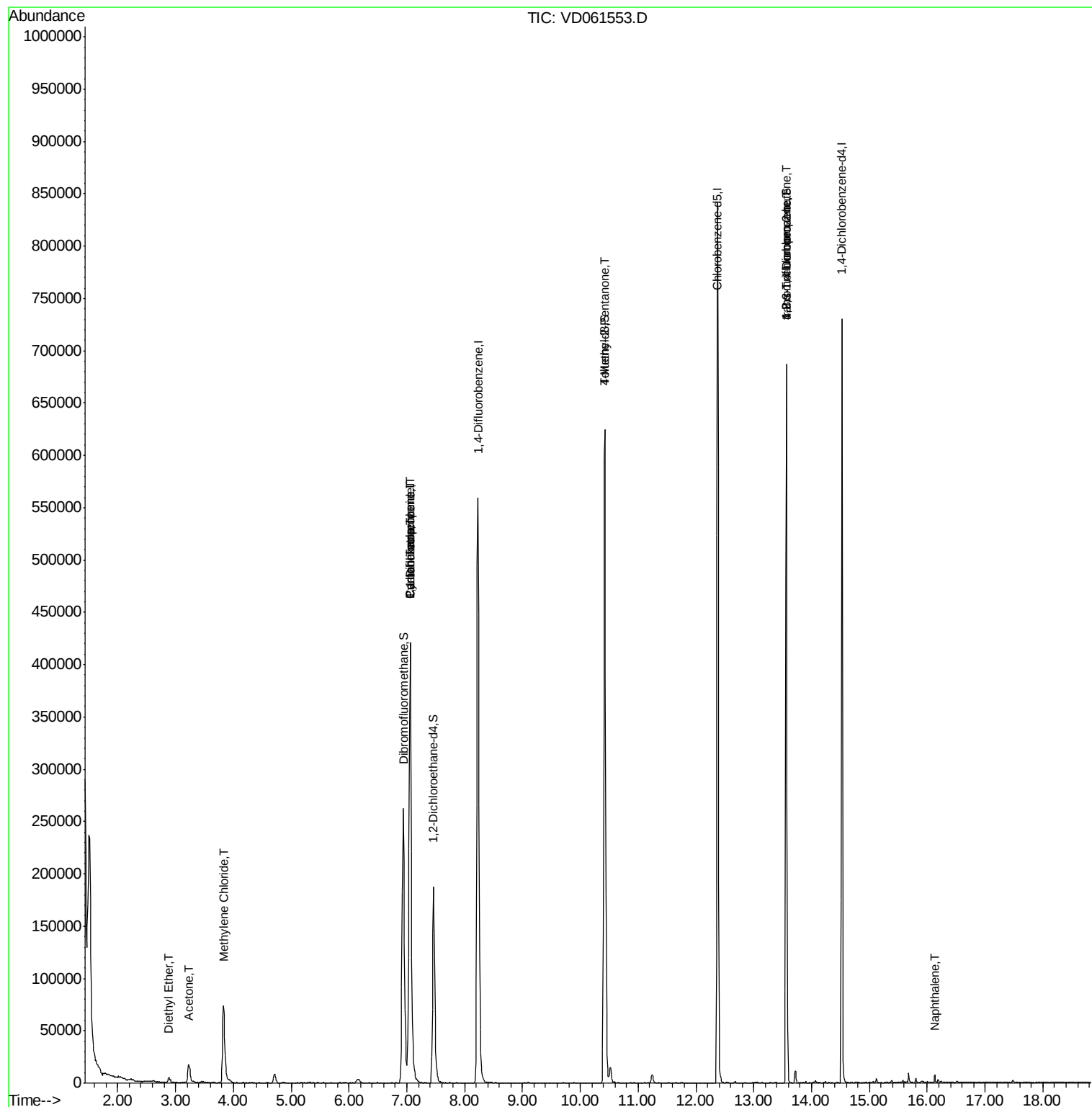
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	408464	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	667144	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	505726	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	189221	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	194439	55.72	ug/l	0.03
Spiked Amount 50.000			Recovery	=	111.44%	
35) Dibromofluoromethane	6.94	113	263236	51.63	ug/l	0.04
Spiked Amount 50.000			Recovery	=	103.26%	
50) Toluene-d8	10.42	98	560887	45.87	ug/l	0.04
Spiked Amount 50.000			Recovery	=	91.74%	
62) 4-Bromofluorobenzene	13.56	95	210131	44.81	ug/l	0.02
Spiked Amount 50.000			Recovery	=	89.62%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.87	74	2286	1.495	ug/l	99
16) Acetone	3.23	43	41203	45.936	ug/l	96
20) Methylene Chloride	3.83	84	56056	9.605	ug/l	98
31) Cyclohexane	7.06	56	7872	1.310	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	32994	5.666	ug/l #	44
38) Carbon Tetrachloride	7.06	117	41308	6.174	ug/l #	14
51) 4-Methyl-2-Pentanone	10.42	43	2248	1.020	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	76627	28.034	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	82930	99.508	ug/l #	18
95) Naphthalene	16.13	128	6566	1.744	ug/l #	93

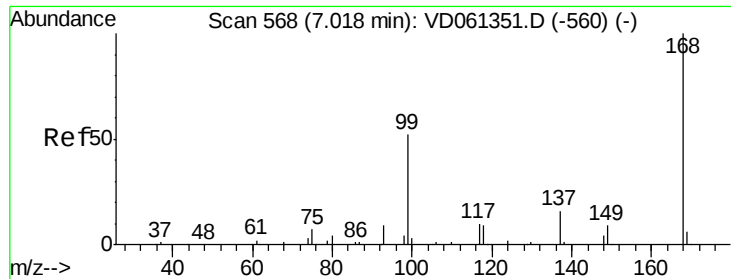
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040219\
Data File : VD061553.D
Acq On : 3 Apr 2019 12:00
Operator : VA/AP
Sample : K2203-03
Misc : 5.53q/5ml/MSVOA D/SOIL
ALS Vial : 51 Sample Multiplier: 1

Instrument :
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SU-03-040219-B

Quant Time: Apr 04 00:58:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
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# 572

Delta R.T. 0.04 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

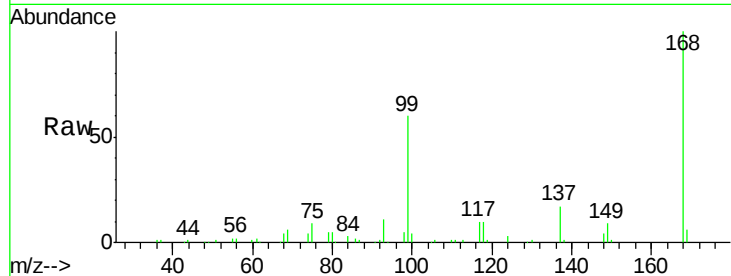
SU-03-040219-B

Tot Ion:168 Resp: 408464

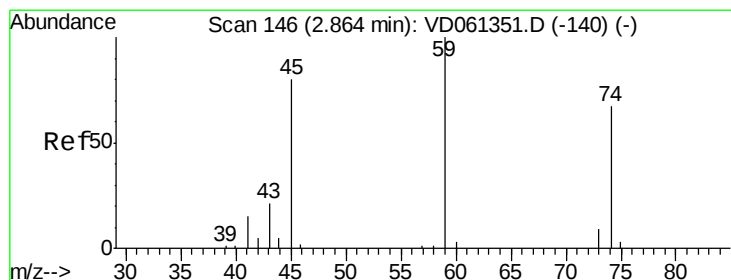
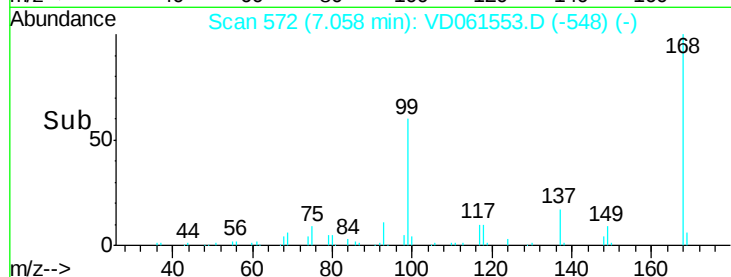
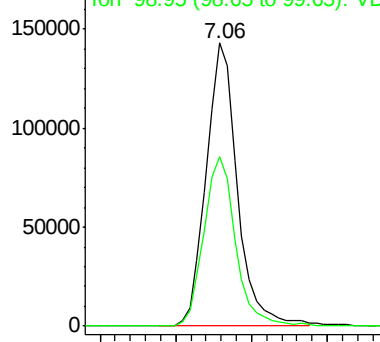
Ion Ratio Lower Upper

168 100

99 59.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V



#8

Diethyl Ether

Concen: 1.495 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD061553.D

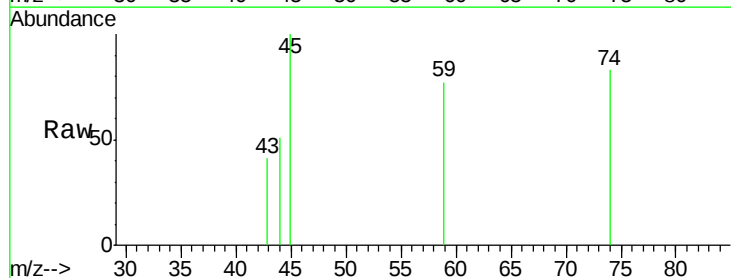
Acq: 3 Apr 2019 12:00

Tgt Ion: 74 Resp: 2286

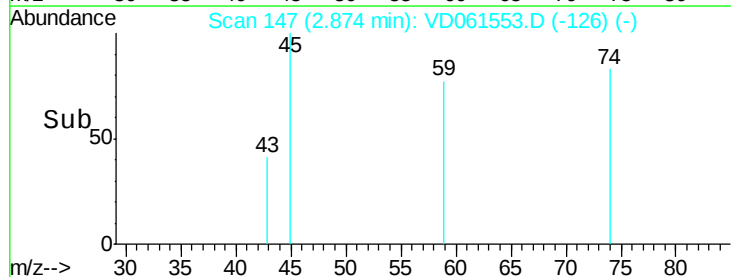
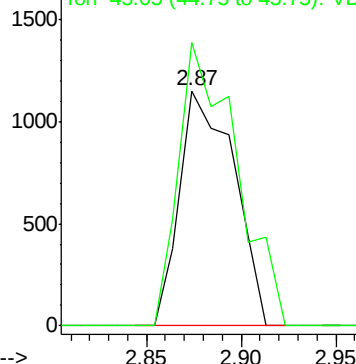
Ion Ratio Lower Upper

74 100

45 120.5 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC





#16

Acetone

Concen: 45.936 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

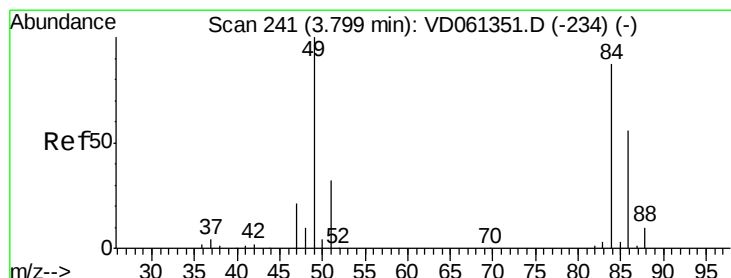
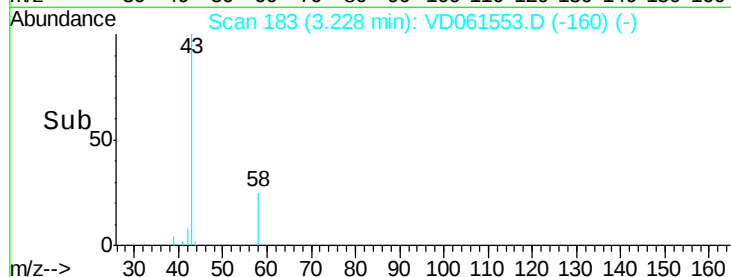
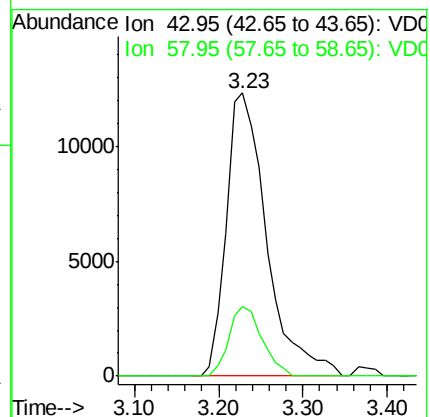
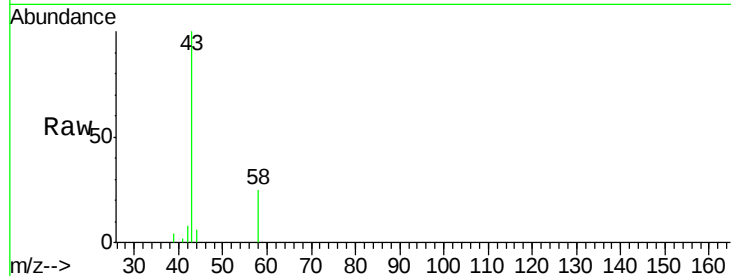
SU-03-040219-B

Tot Ion: 43 Resp: 41203

Ion Ratio Lower Upper

43 100

58 24.7 21.5 32.3



#20

Methylene Chloride

Concen: 9.605 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

Tgt Ion: 84 Resp: 56056

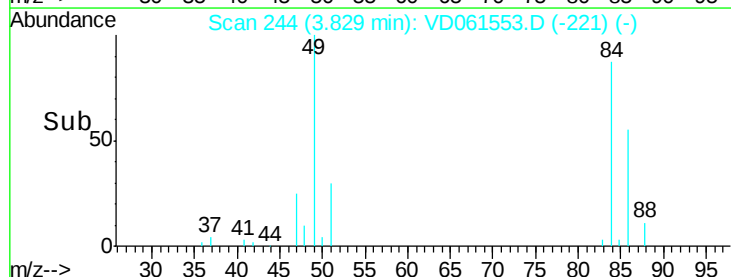
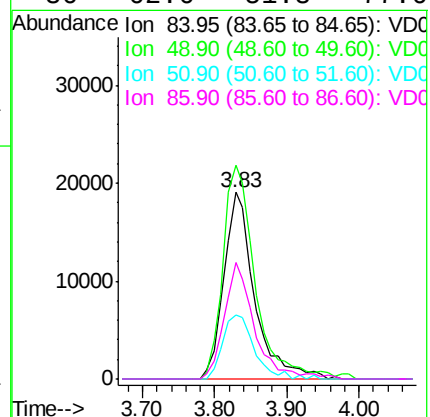
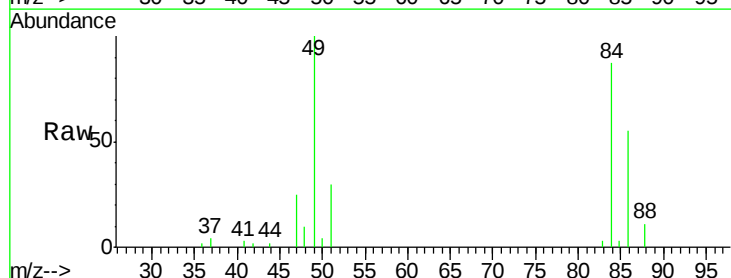
Ion Ratio Lower Upper

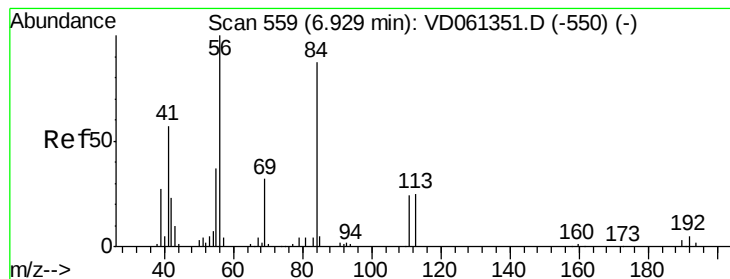
84 100

49 114.6 91.8 137.8

51 34.2 29.8 44.8

86 62.6 51.8 77.6





#31

Cyclohexane

Concen: 1.310 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.13 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

SU-03-040219-B

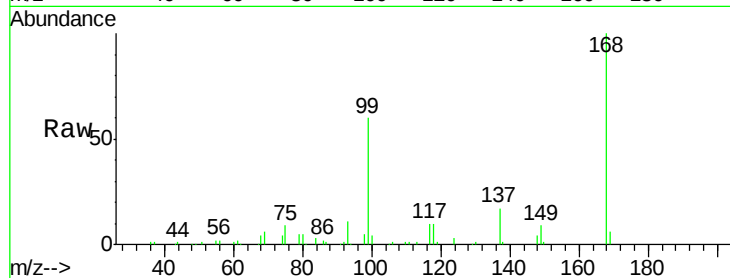
Tot Ion: 56 Resp: 7872

Ion Ratio Lower Upper

56 100

69 253.1 25.7 38.5#

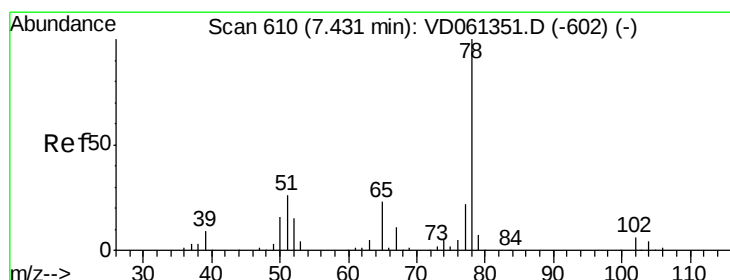
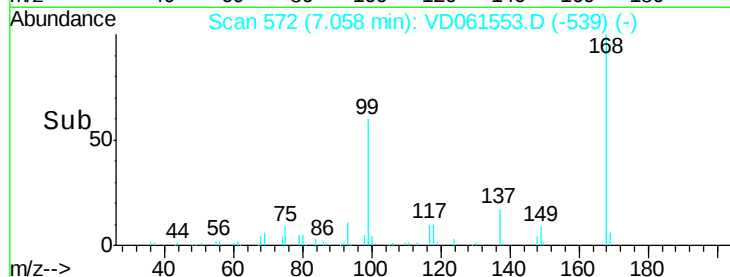
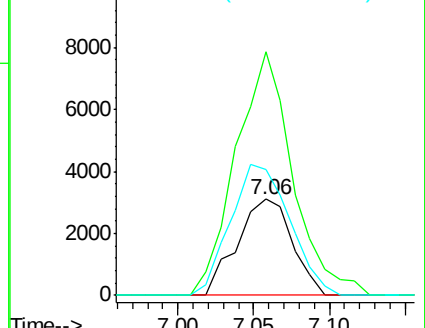
84 130.6 70.6 105.8#



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. 0.03 min

Lab File: VD061553.D

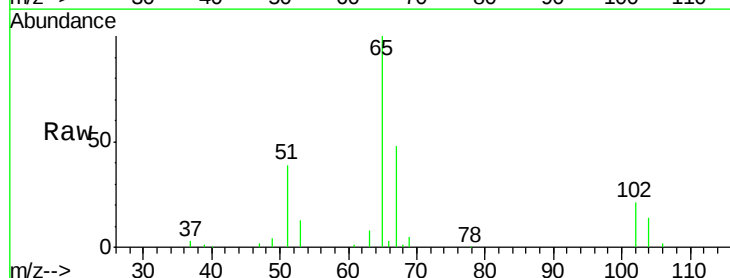
Acq: 3 Apr 2019 12:00

Tgt Ion: 65 Resp: 194439

Ion Ratio Lower Upper

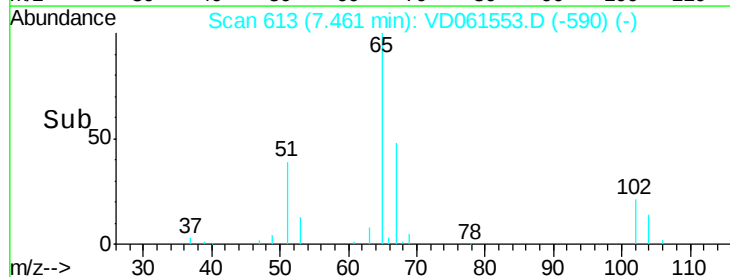
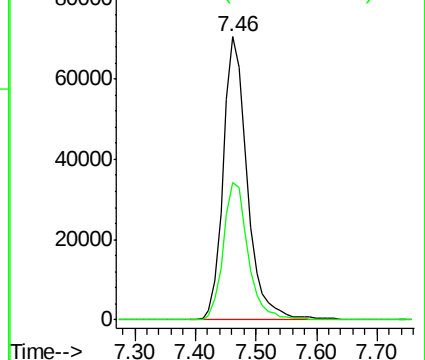
65 100

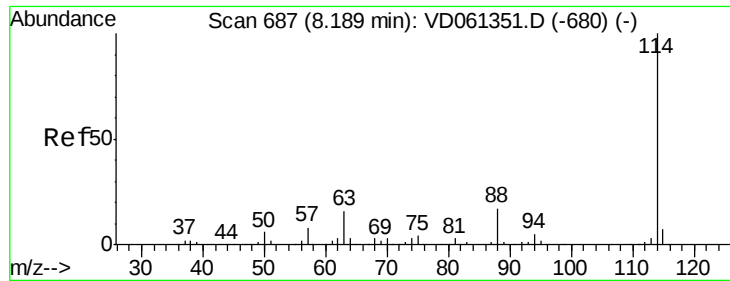
67 48.5 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

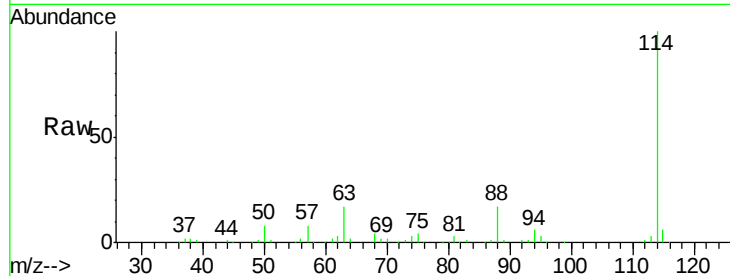




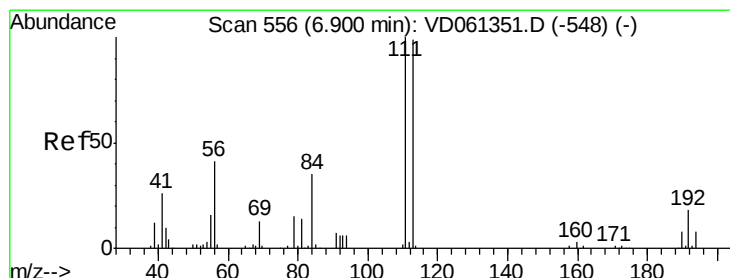
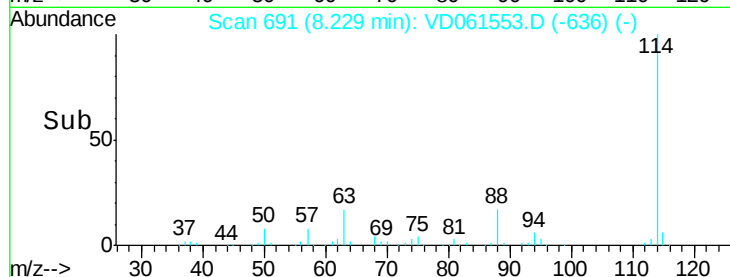
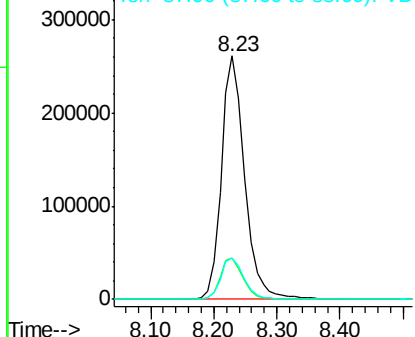
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.04 min
 Lab File: VD061553.D
 Acq: 3 Apr 2019 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-040219-B

Tot Ion:114 Resp: 667144
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 31.6
 88 16.9 0.0 33.4

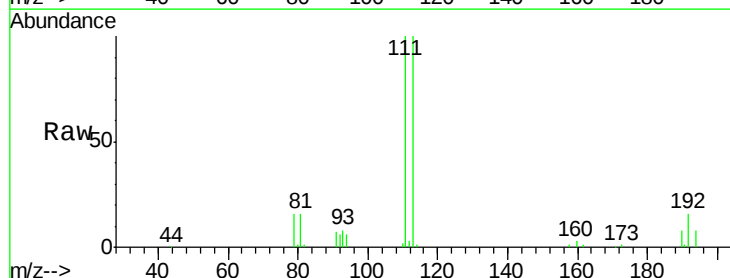


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

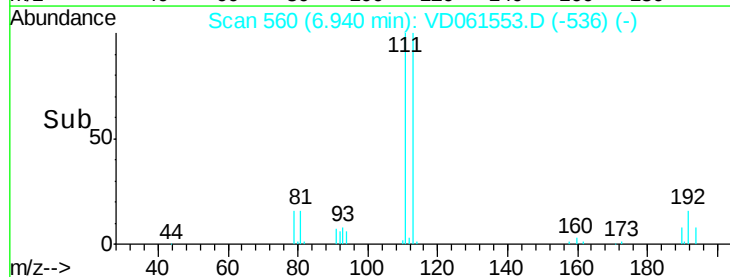
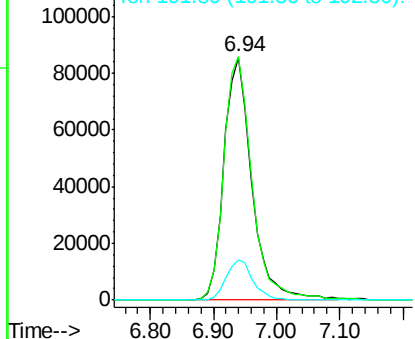


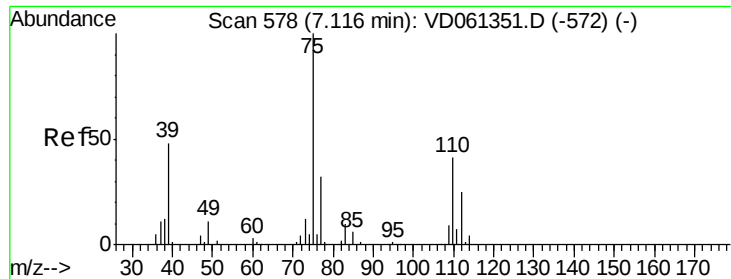
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD061553.D
 Acq: 3 Apr 2019 12:00

Tgt Ion:113 Resp: 263236
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.0 121.6
 192 16.5 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: 5.666 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

SU-03-040219-B

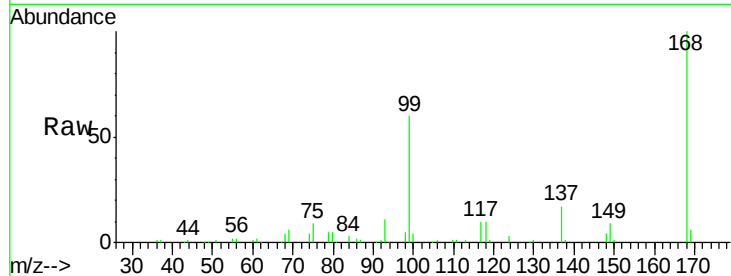
Tot Ion: 75 Resp: 32994

Ion Ratio Lower Upper

75 100

110 6.7 20.4 61.3#

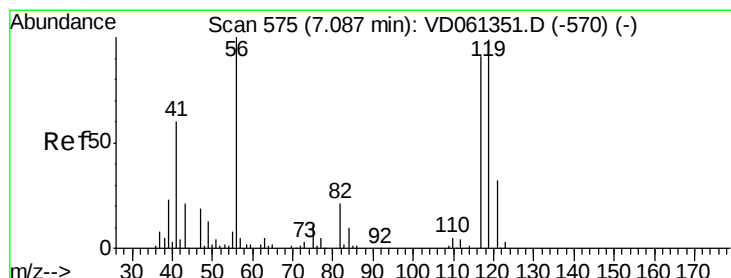
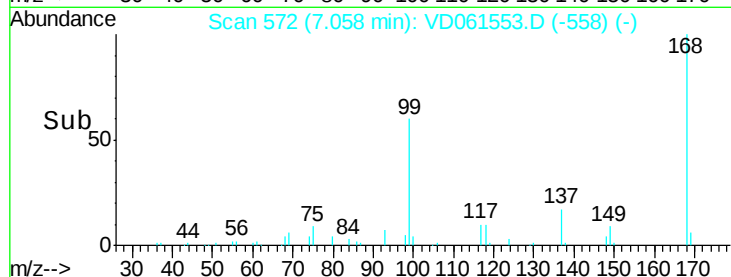
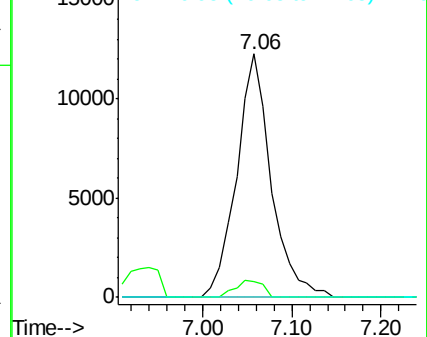
77 0.0 24.9 37.3#



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: 6.174 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.03 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

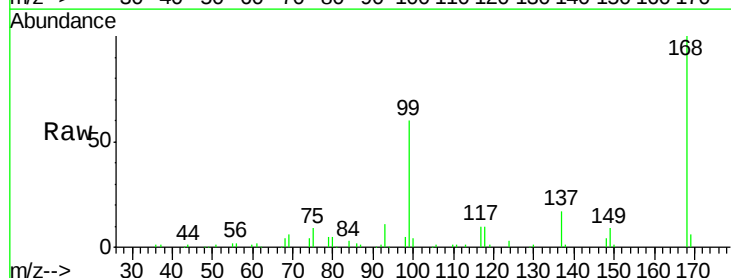
Tgt Ion: 117 Resp: 41308

Ion Ratio Lower Upper

117 100

119 5.5 80.1 120.1#

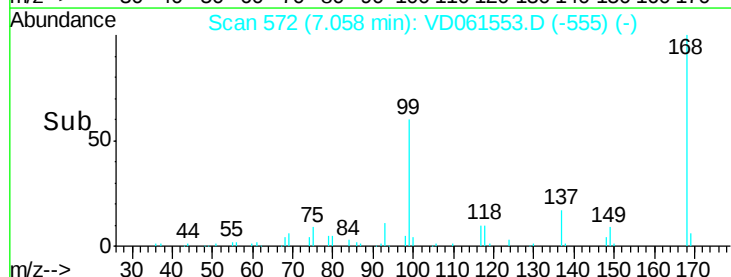
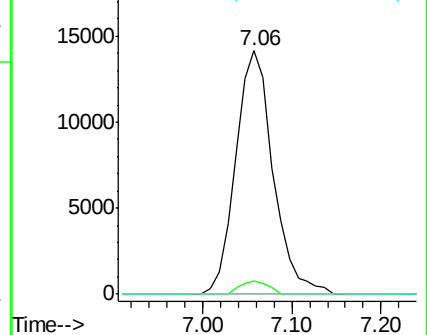
121 0.0 25.6 38.4#

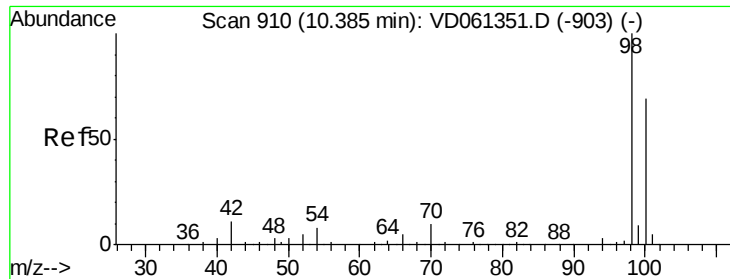


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.04 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

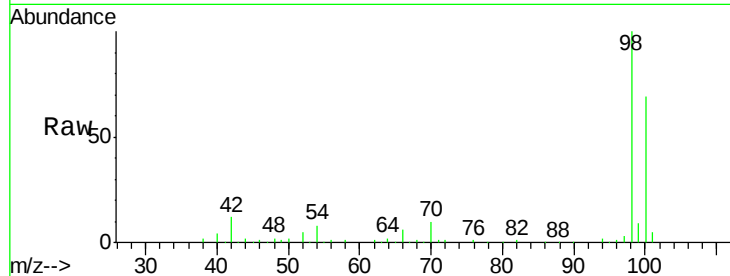
SU-03-040219-B

Tot Ion: 98 Resp: 560887

Ion Ratio Lower Upper

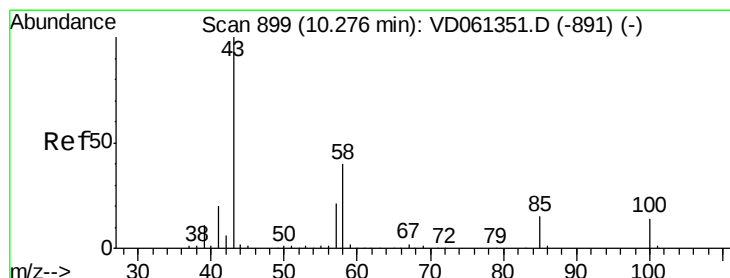
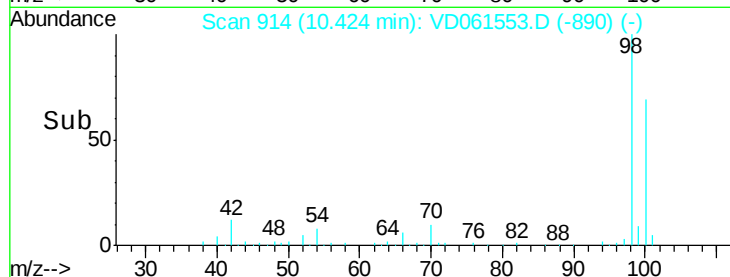
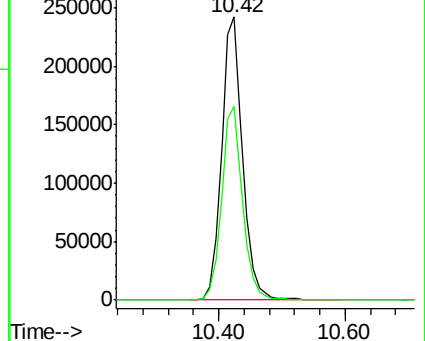
98 100

100 68.5 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.020 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.15 min

Lab File: VD061553.D

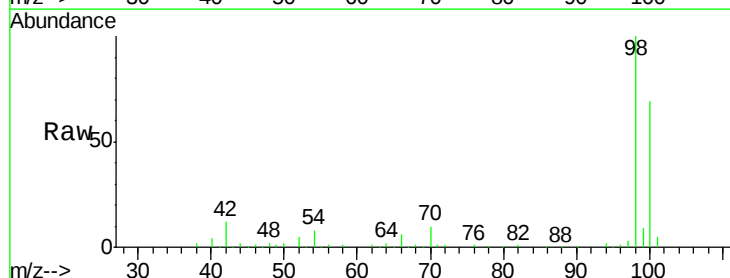
Acq: 3 Apr 2019 12:00

Tgt Ion: 43 Resp: 2248

Ion Ratio Lower Upper

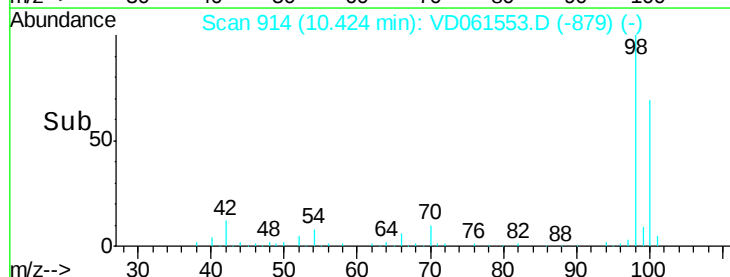
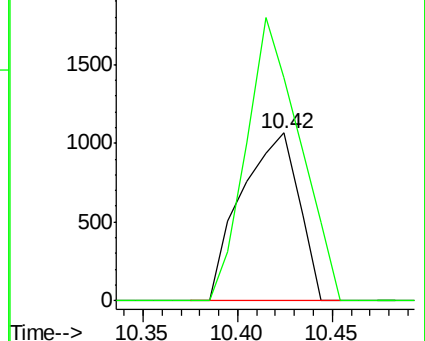
43 100

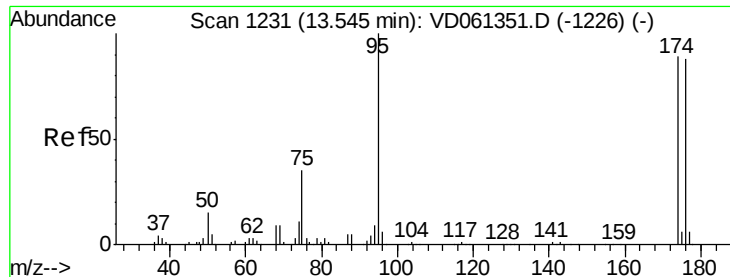
58 132.5 31.8 47.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

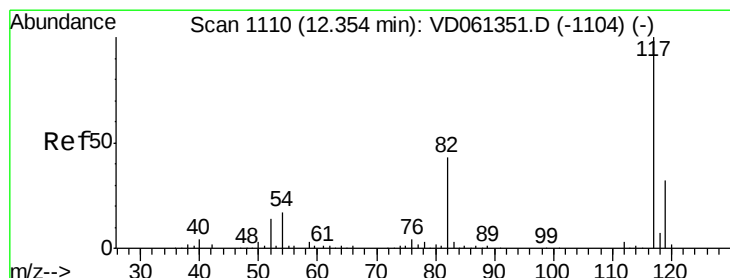
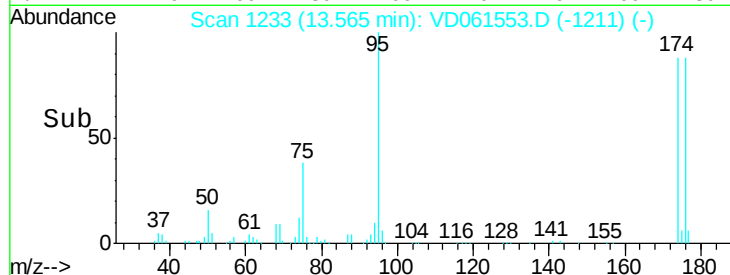
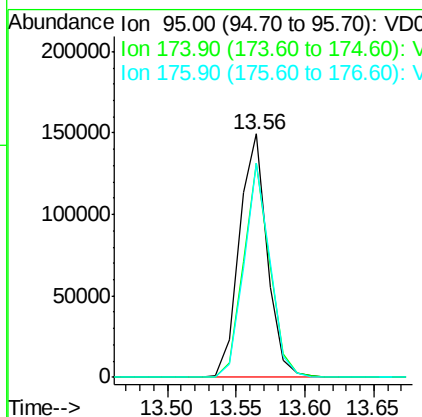
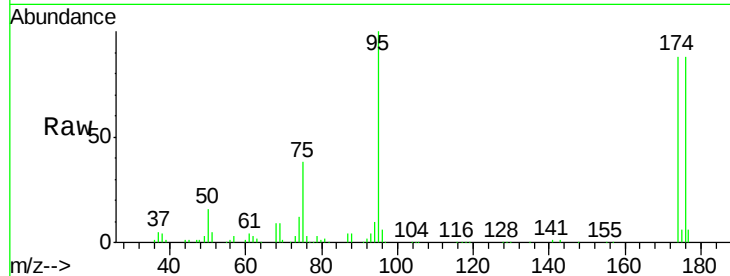




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD061553.D
Acq: 3 Apr 2019 12:00

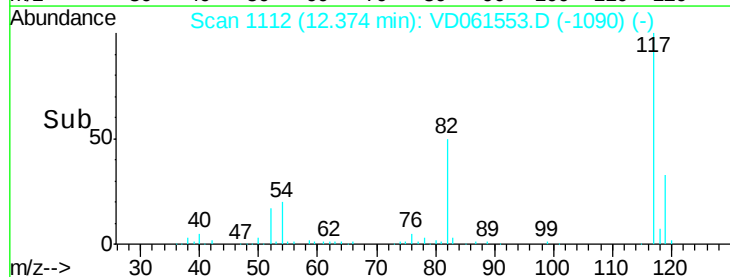
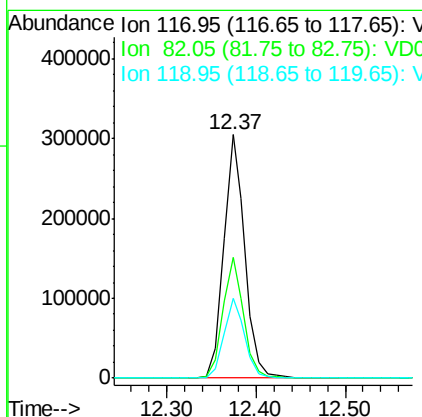
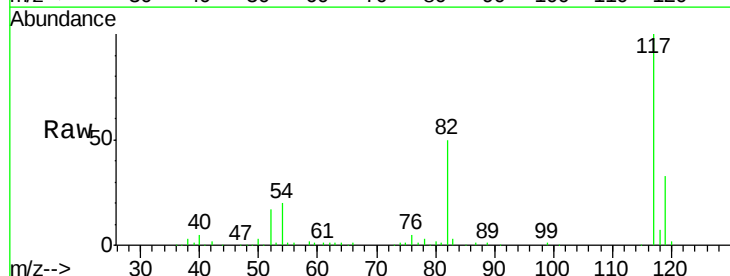
Instrument :
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SU-03-040219-B

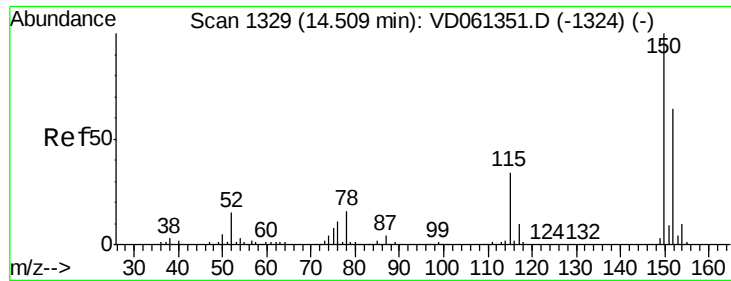
Tot Ion: 95 Resp: 210131
Ion Ratio Lower Upper
95 100
174 88.2 0.0 178.0
176 88.2 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061553.D
Acq: 3 Apr 2019 12:00

Tgt Ion: 117 Resp: 505726
Ion Ratio Lower Upper
117 100
82 49.5 34.4 51.6
119 33.0 25.8 38.6



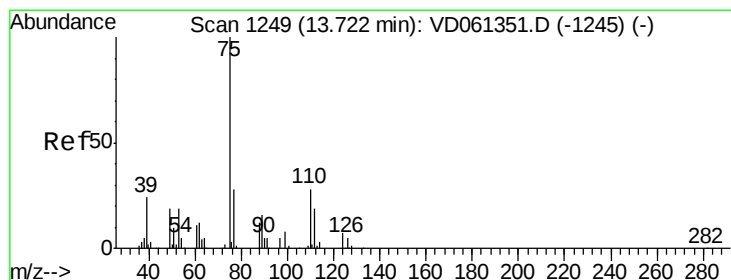
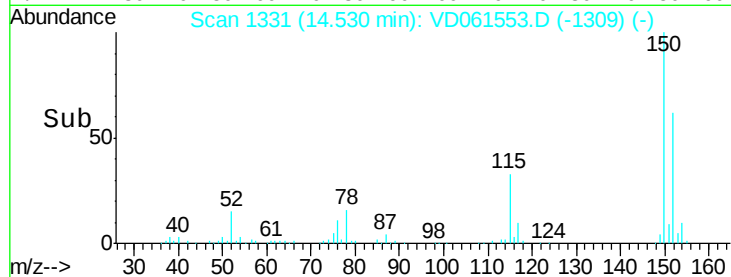
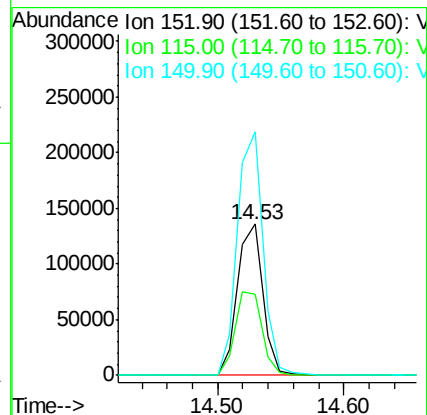
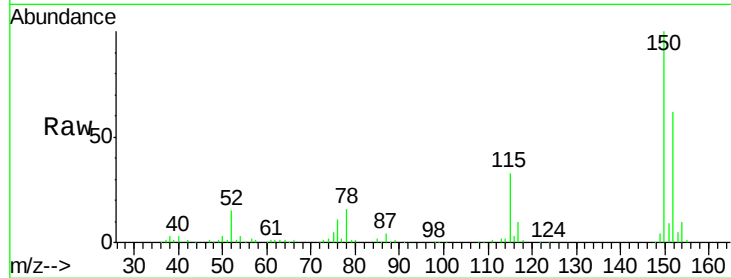


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD061553.D
Acq: 3 Apr 2019 12:00

Instrument :
MSVOA_D
ClientSampleId :
SU-03-040219-B

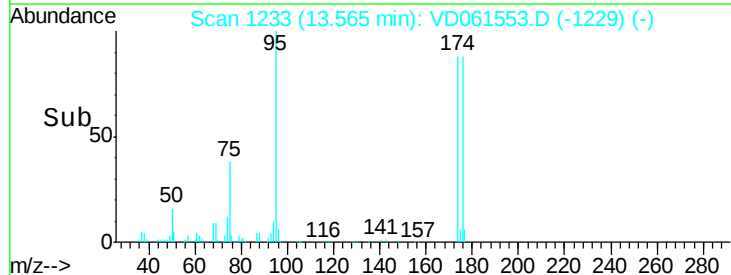
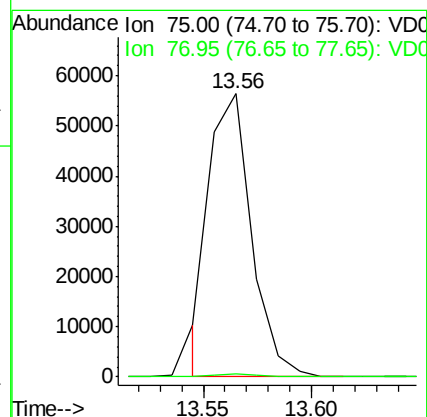
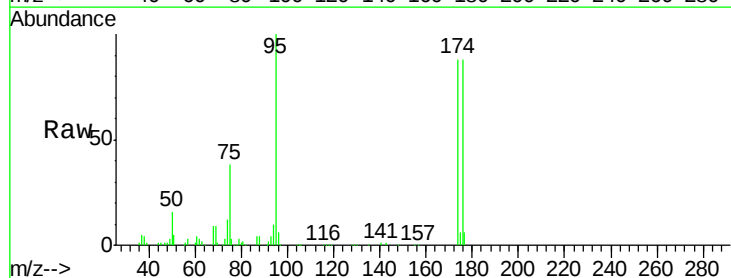
Tot Ion:152 Resp: 189221
Ion Ratio Lower Upper
152 100
115 53.5 26.9 80.6
150 161.1 0.0 318.0

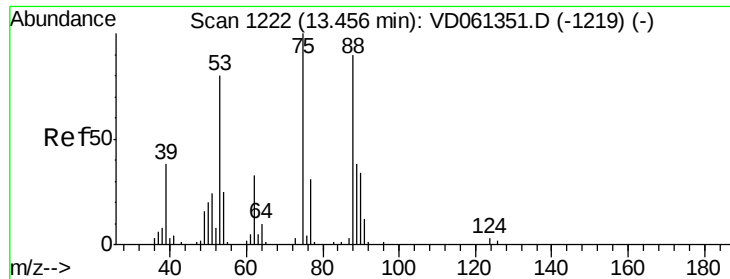


#76

1,2,3-Trichloropropane
Concen: 28.034 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.16 min
Lab File: VD061553.D
Acq: 3 Apr 2019 12:00

Tgt Ion: 75 Resp: 76627
Ion Ratio Lower Upper
75 100
77 0.9 16.2 48.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 99.508 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.11 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

Instrument :

MSVOA_D

ClientSampleId :

SU-03-040219-B

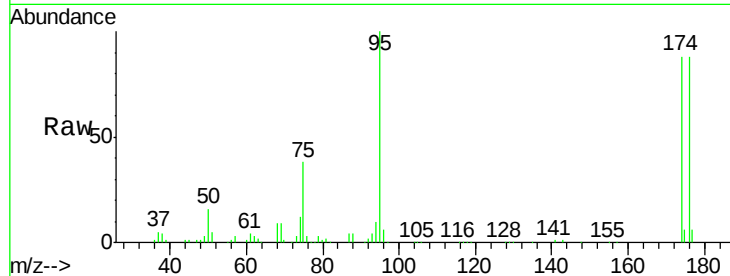
Tot Ion: 75 Resp: 82930

Ion Ratio Lower Upper

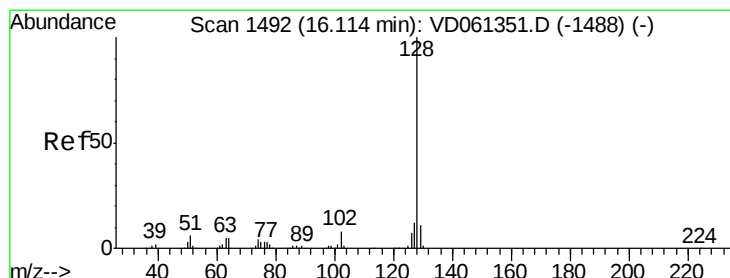
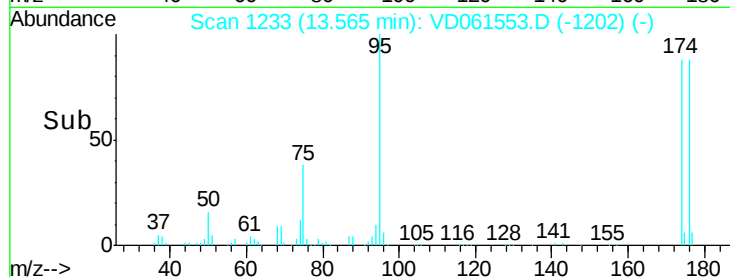
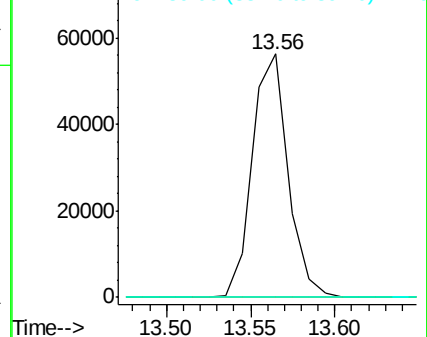
75 100

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



#95

Naphthalene

Concen: 1.744 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.02 min

Lab File: VD061553.D

Acq: 3 Apr 2019 12:00

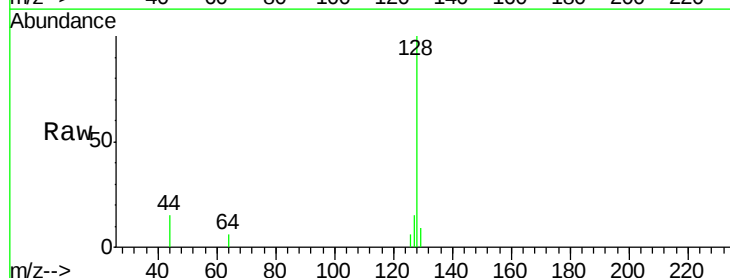
Tgt Ion: 128 Resp: 6566

Ion Ratio Lower Upper

128 100

127 15.5 9.9 14.9#

129 8.8 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

