

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092619\
 Data File : VX012680.D
 Acq On : 26 Sep 2019 17:37
 Operator : JC/SP
 Sample : K5049-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Sep 27 01:25:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

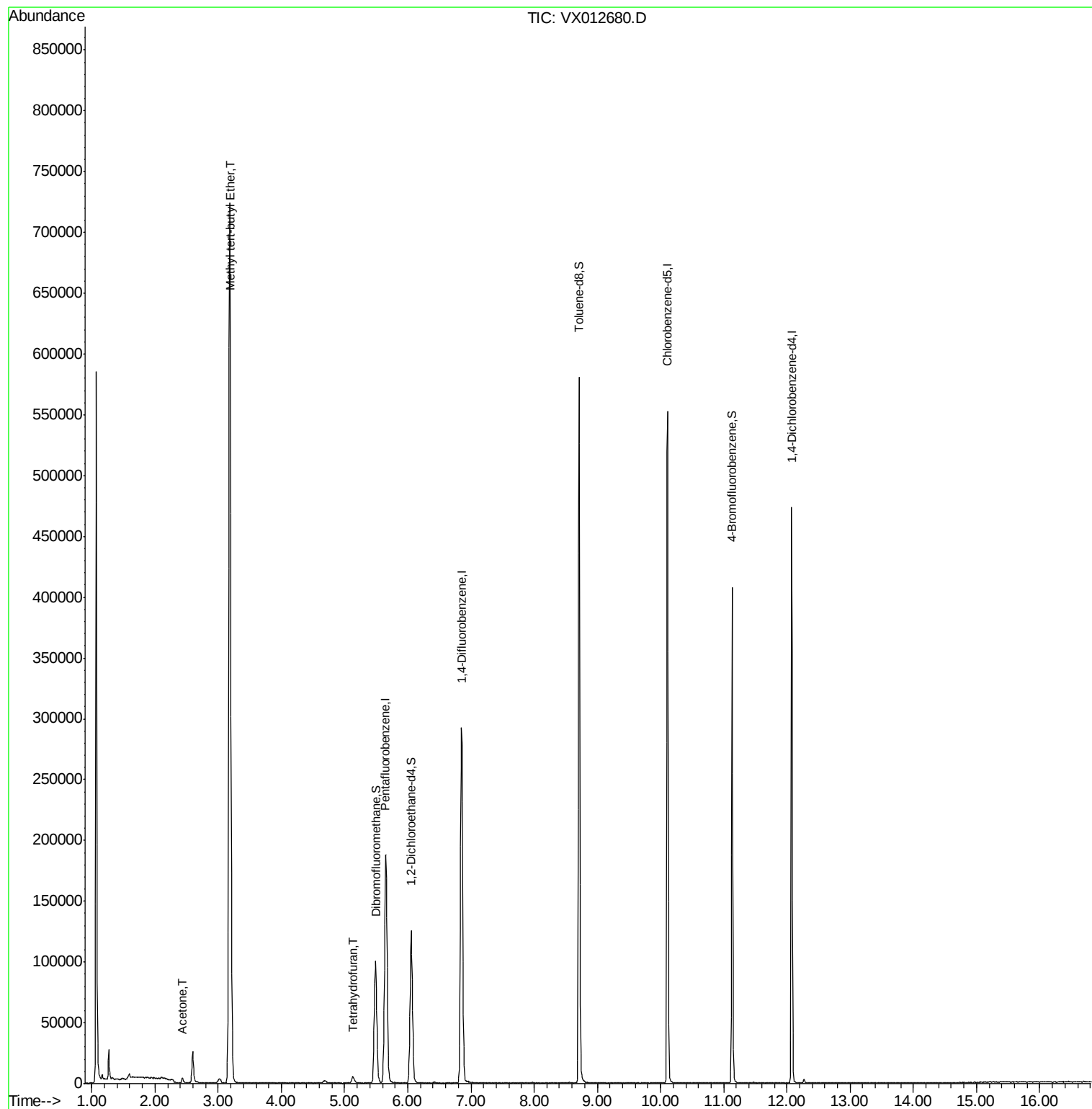
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88533	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	119330	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
35) Dibromofluoromethane	5.49	113	85257	49.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.92%	
50) Toluene-d8	8.71	98	335500	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.14	95	114276	44.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.46%	
Target Compounds						
16) Acetone	2.44	43	3995	3.160	ug/l	93
19) Methyl tert-butyl Ether	3.19	73	822906	123.350	ug/l	97
29) Tetrahydrofuran	5.13	42	4874	4.411	ug/l	97

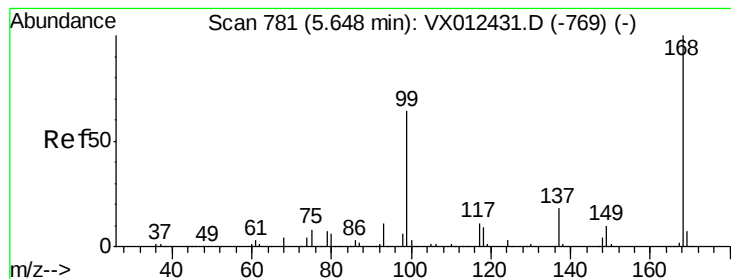
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

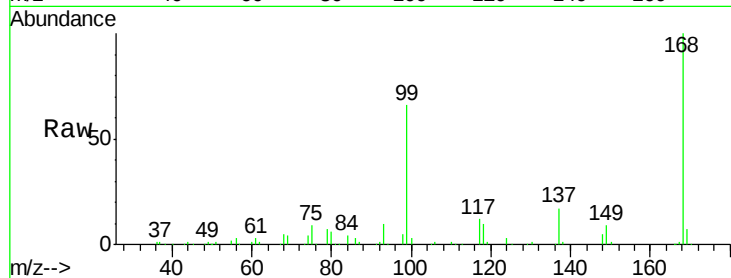
MW-4

Tot Ion:168 Resp: 163928

Ion Ratio Lower Upper

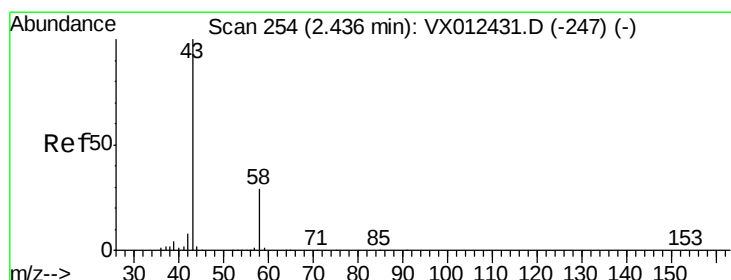
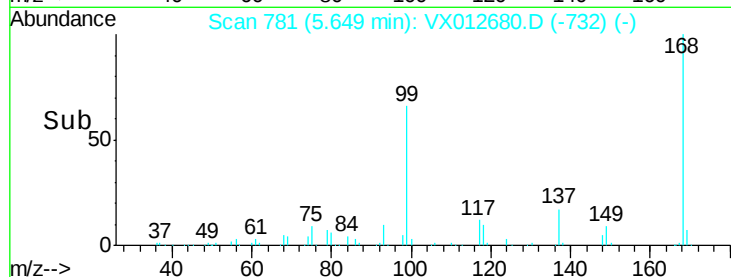
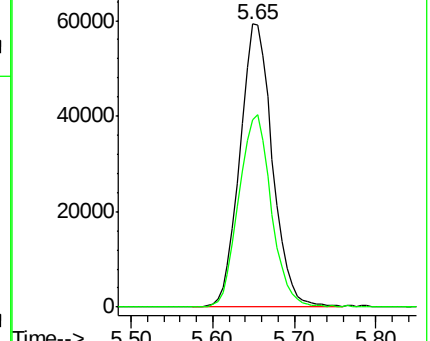
168 100

99 66.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 3.160 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012680.D

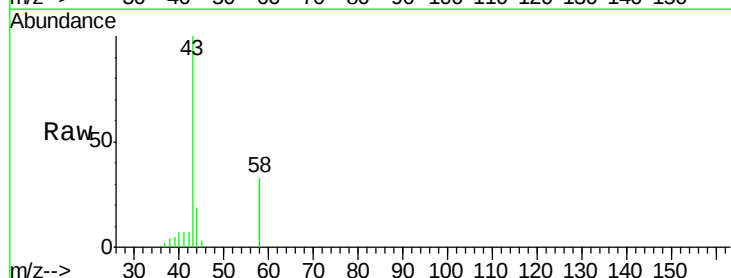
Acq: 26 Sep 2019 17:37

Tgt Ion: 43 Resp: 3995

Ion Ratio Lower Upper

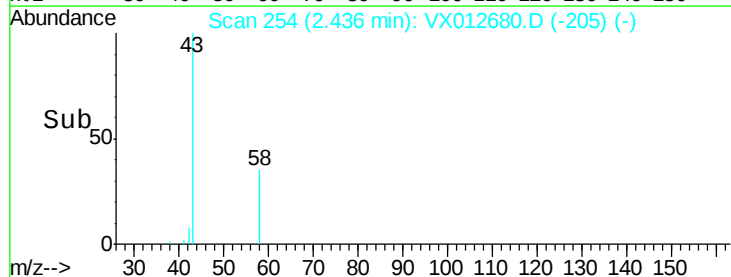
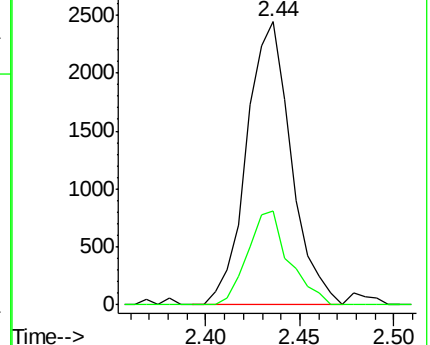
43 100

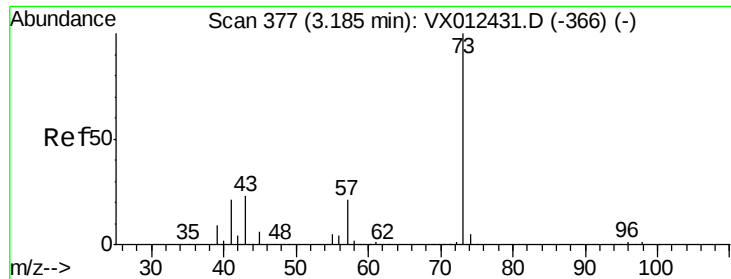
58 33.1 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



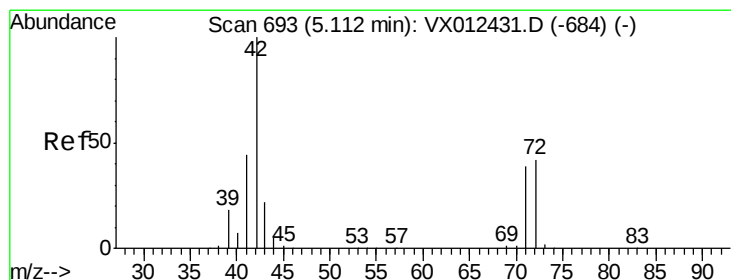
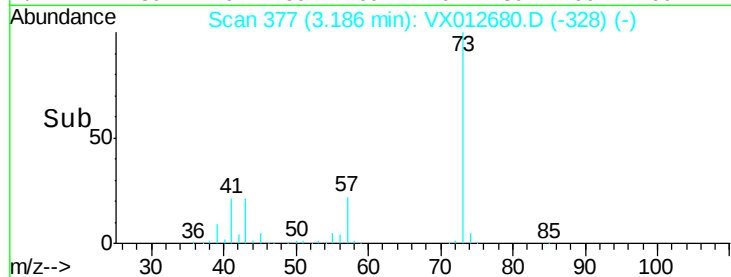
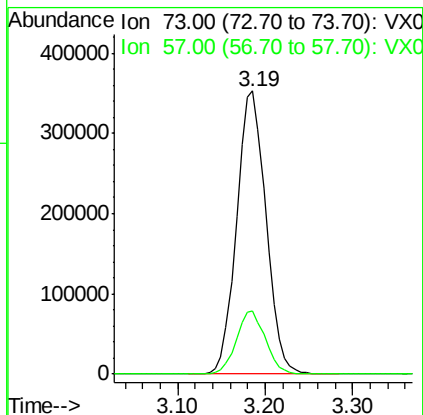
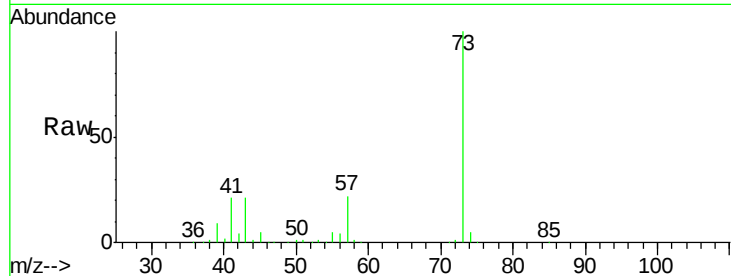


#19

Methvl tert-butvl Ether
 Concen: 123.350 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX012680.D
 Acq: 26 Sep 2019 17:37

Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

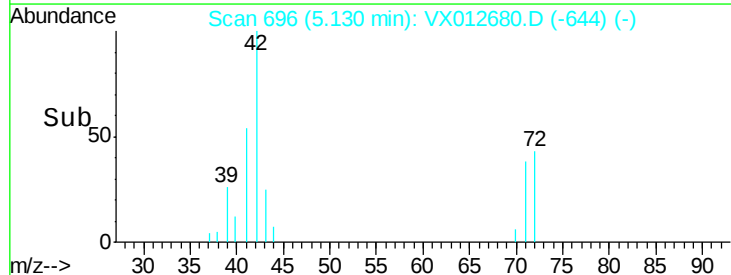
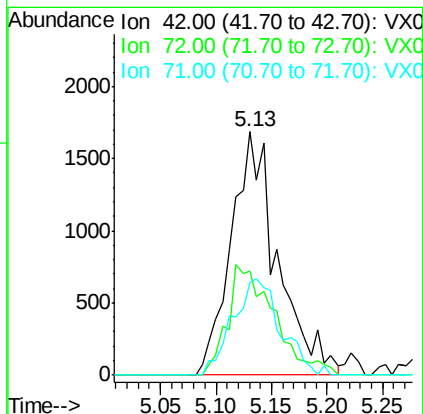
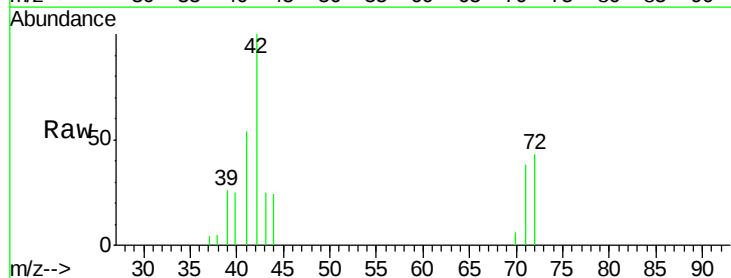
Tot Ion: 73 Resp: 822906
 Ion Ratio Lower Upper
 73 100
 57 22.3 16.8 25.2

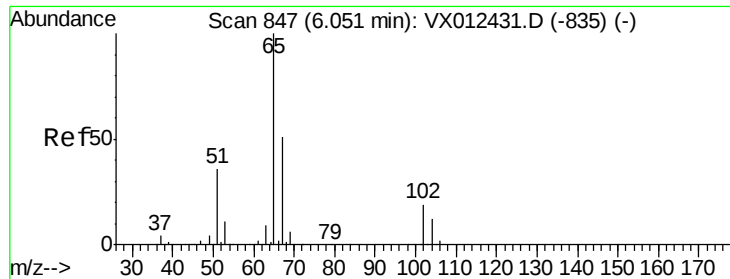


#29

Tetrahydrofuran
 Concen: 4.411 ug/l
 RT: 5.13 min Scan# 696
 Delta R.T. 0.02 min
 Lab File: VX012680.D
 Acq: 26 Sep 2019 17:37

Tgt Ion: 42 Resp: 4874
 Ion Ratio Lower Upper
 42 100
 72 45.4 34.0 51.0
 71 40.5 31.5 47.3





#33

1,2-Dichloroethane-d4

Concen: 49.989 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

Instrument :

MSVOA_X

ClientSampled :

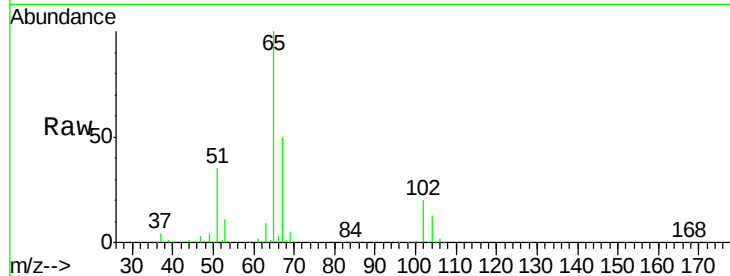
MW-4

Tot Ion: 65 Resp: 119330

Ion Ratio Lower Upper

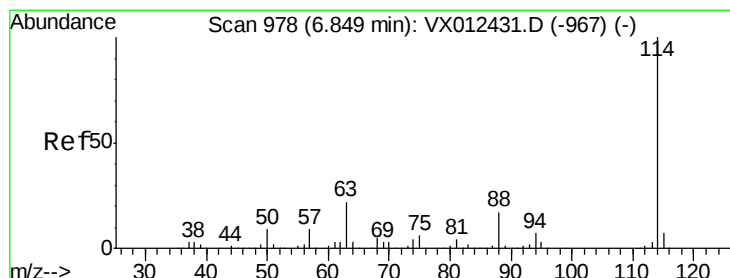
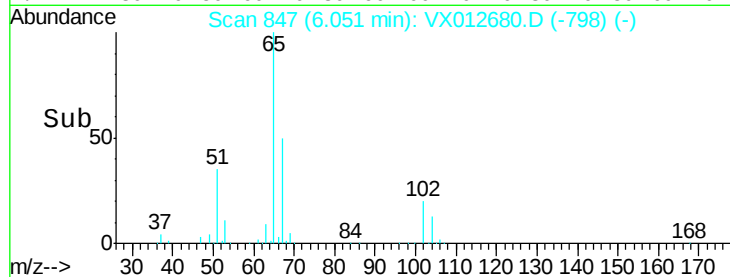
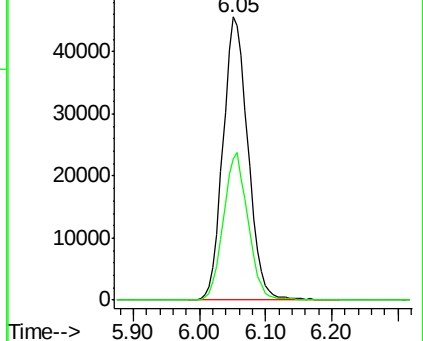
65 100

67 51.1 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

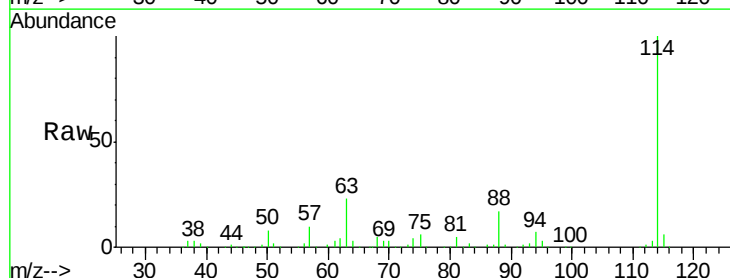
Tgt Ion: 114 Resp: 286520

Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.2

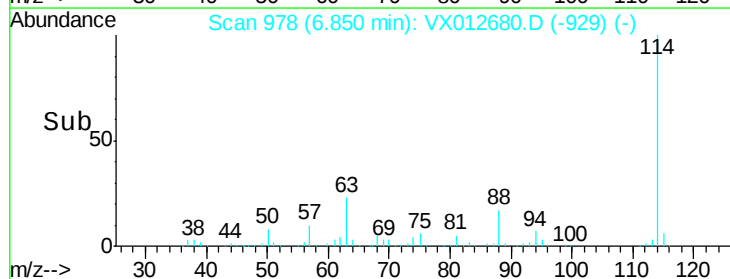
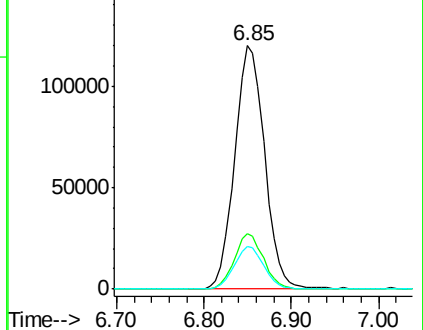
88 17.5 0.0 33.2

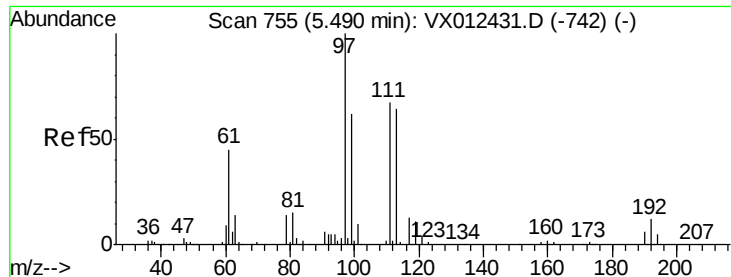


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.965 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

MW-4

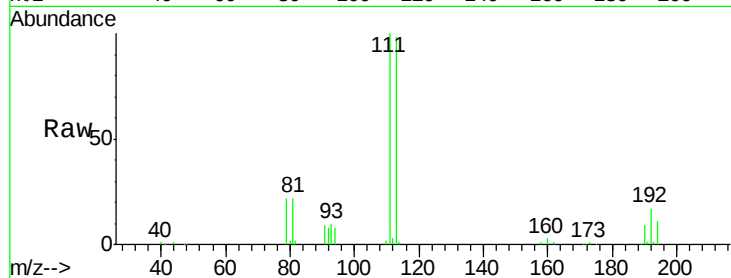
Tot Ion:113 Resp: 85257

Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.2

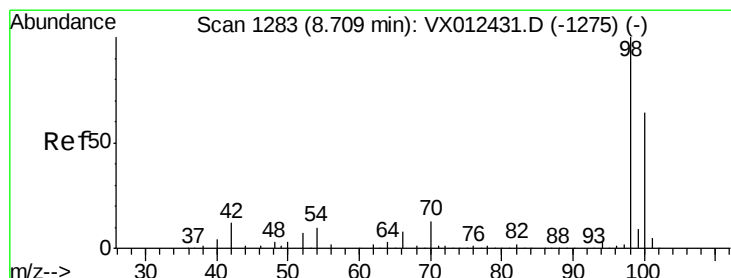
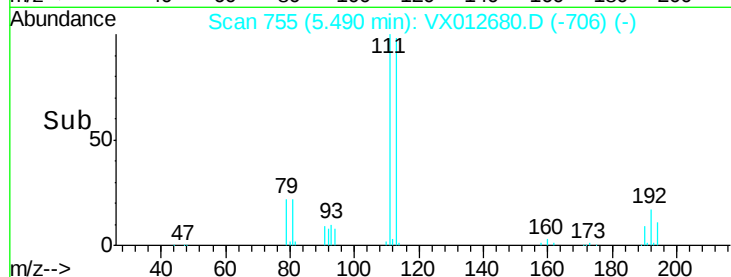
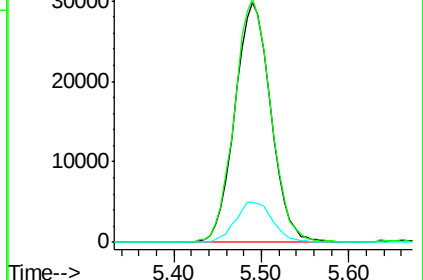
192 17.4 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 51.056 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012680.D

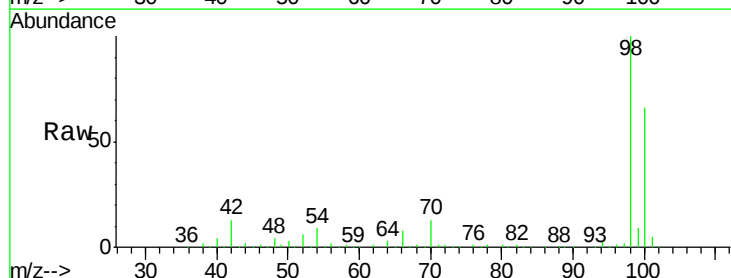
Acq: 26 Sep 2019 17:37

Tgt Ion: 98 Resp: 335500

Ion Ratio Lower Upper

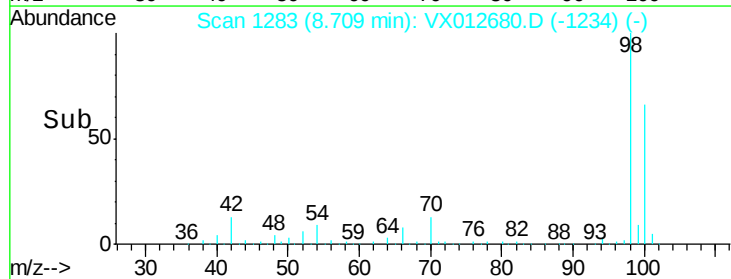
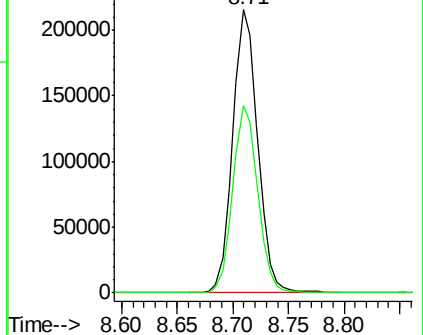
98 100

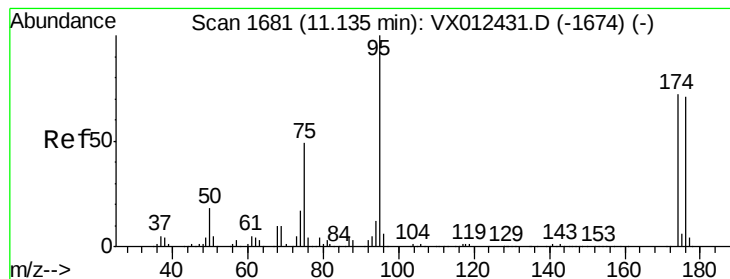
100 66.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.227 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

Instrument :

MSVOA_X

ClientSampleId :

MW-4

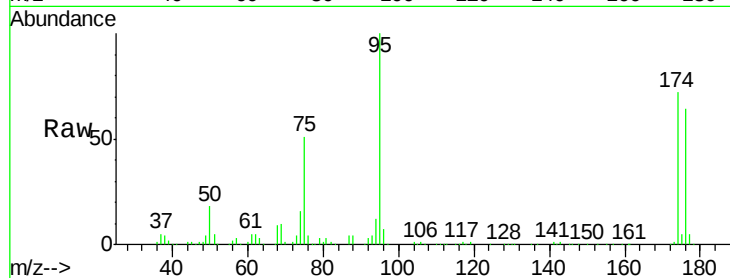
Tot Ion: 95 Resp: 114276

Ion Ratio Lower Upper

95 100

174 67.7 0.0 140.0

176 64.1 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

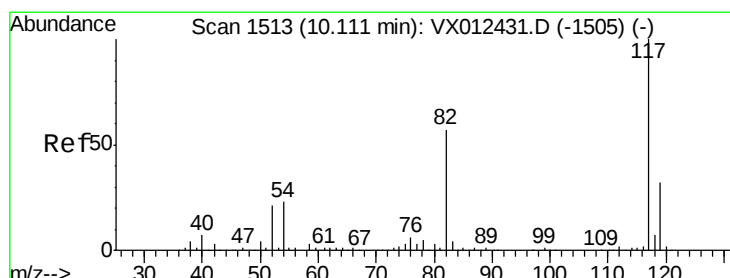
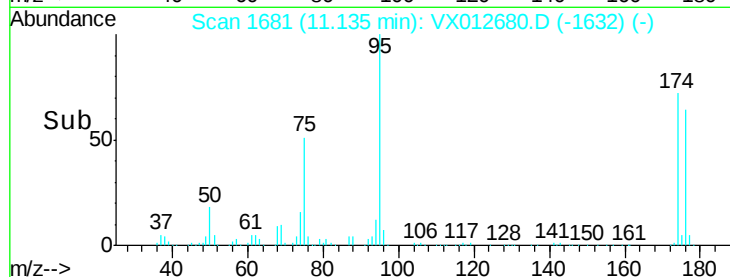
60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012680.D

Acq: 26 Sep 2019 17:37

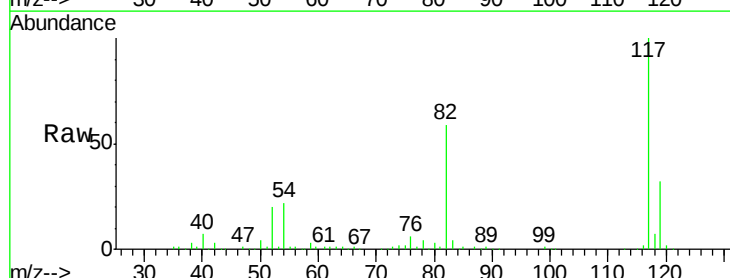
Tgt Ion: 117 Resp: 239902

Ion Ratio Lower Upper

117 100

82 58.9 45.9 68.9

119 31.9 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

250000

200000

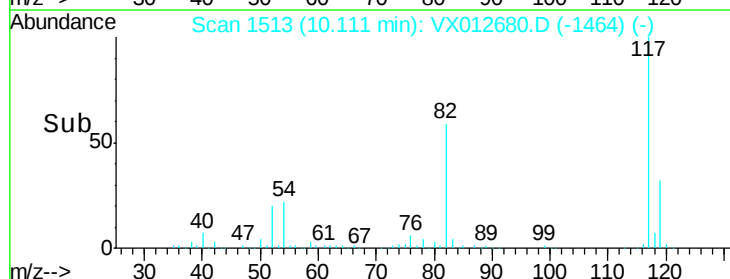
150000

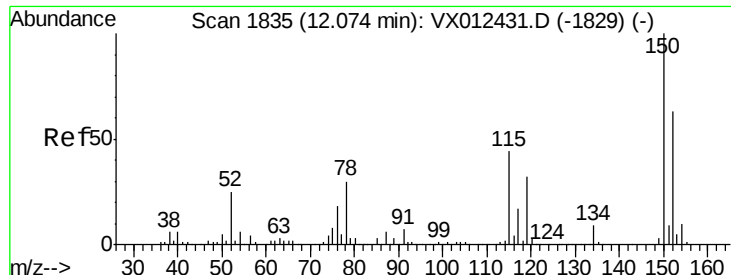
100000

50000

0

Time--> 10.00 10.10 10.20





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012680.D
 Acq: 26 Sep 2019 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Tot Ion:152 Resp: 88533
 Ion Ratio Lower Upper
 152 100
 115 65.5 44.1 132.3
 150 155.0 0.0 343.8

