

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090419\
 Data File : VX012055.D
 Acq On : 04 Sep 2019 16:44
 Operator : SY/SP
 Sample : K4551-02
 Misc : 6.77g/5.0mL/MSVOA X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S401-K1-2.0-2.5-082619

Quant Time: Sep 04 17:04:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

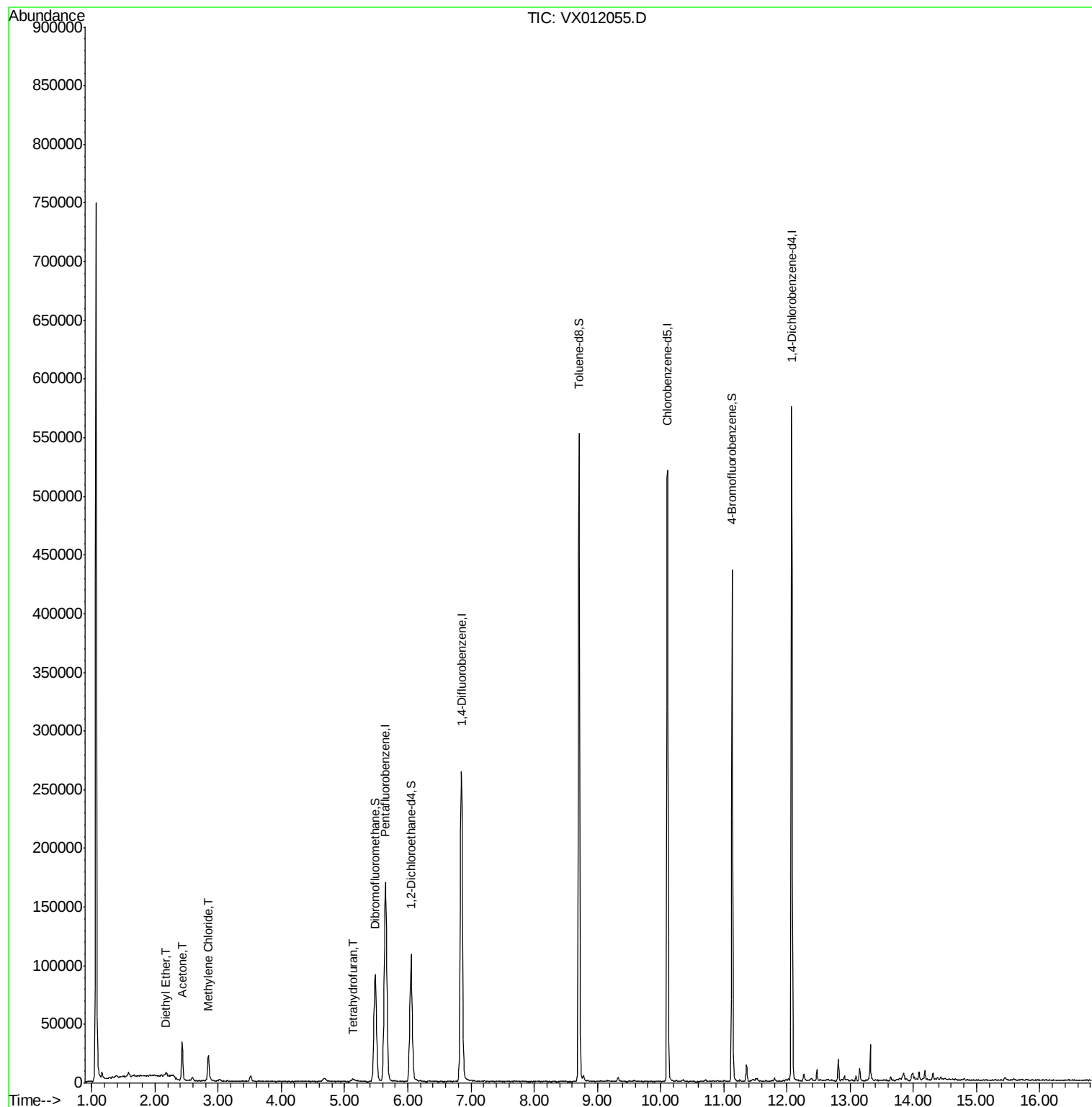
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	146713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	257206	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108060	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	105558	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.28%	
35) Dibromofluoromethane	5.48	113	77174	48.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.58%	
50) Toluene-d8	8.71	98	307528	52.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.96%	
62) 4-Bromofluorobenzene	11.14	95	126659	46.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.84%	
Target Compounds						
8) Diethyl Ether	2.17	74	958	1.369	ug/l	83
16) Acetone	2.43	43	34716	71.748	ug/l	99
20) Methylene Chloride	2.84	84	10106	5.201	ug/l	86
29) Tetrahydrofuran	5.12	42	2434	6.559	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

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MSVOA_X

ClientSampleId :

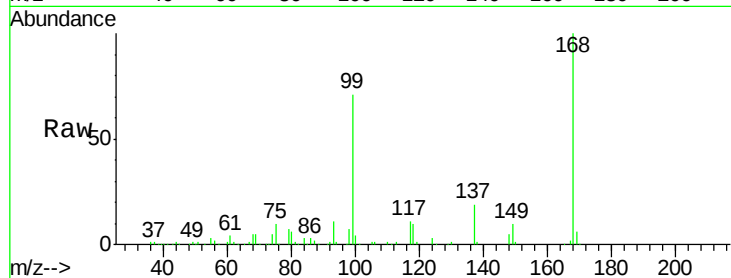
S401-K1-2.0-2.5-082619

Tot Ion:168 Resp: 146713

Ion Ratio Lower Upper

168 100

99 71.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

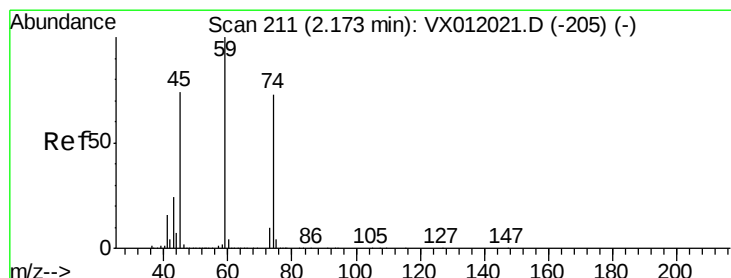
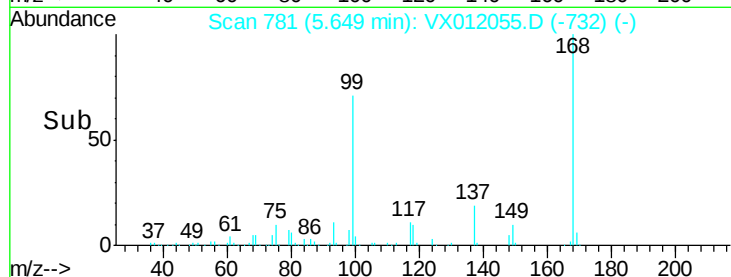
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.369 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012055.D

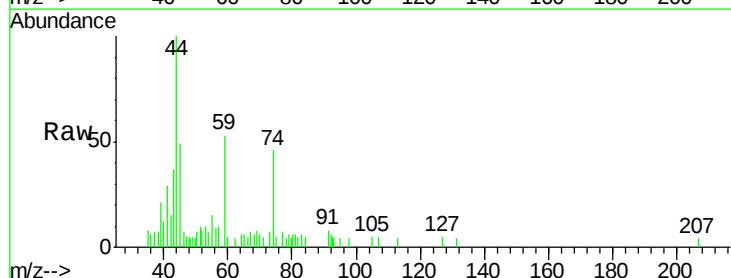
Acq: 04 Sep 2019 16:44

Tgt Ion: 74 Resp: 958

Ion Ratio Lower Upper

74 100

45 107.7 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

600

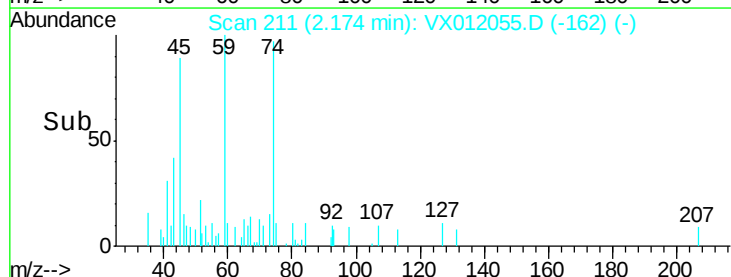
400

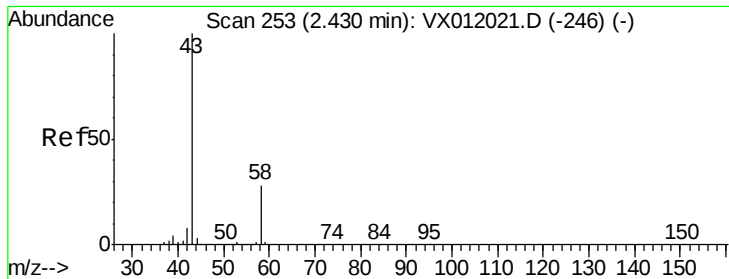
200

0

Time-->

2.15 2.20





#16

Acetone

Concen: 71.748 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

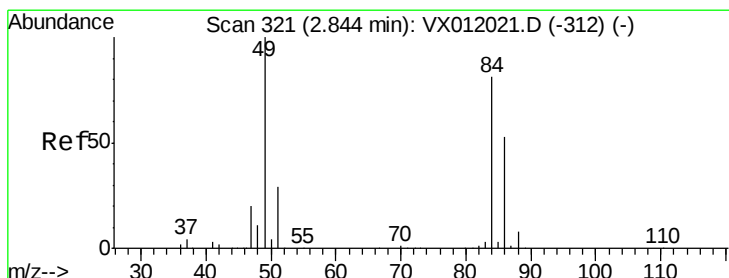
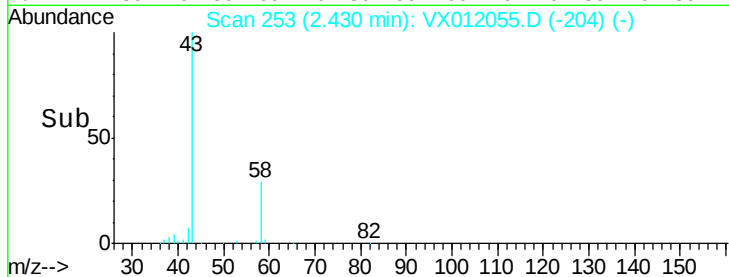
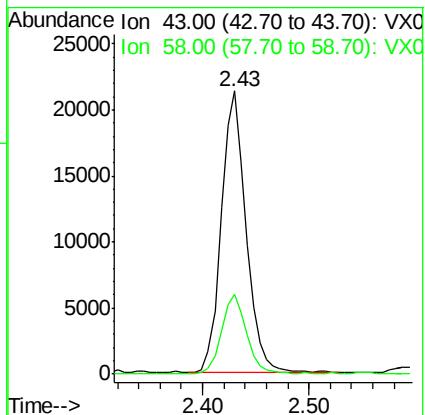
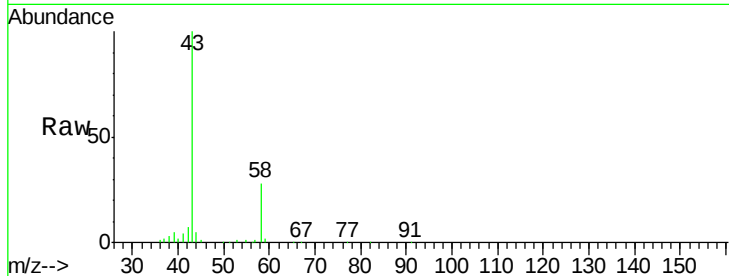
S401-K1-2.0-2.5-082619

Tot Ion: 43 Resp: 34716

Ion Ratio Lower Upper

43 100

58 28.2 22.8 34.2



#20

Methylene Chloride

Concen: 5.201 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

Tgt Ion: 84 Resp: 10106

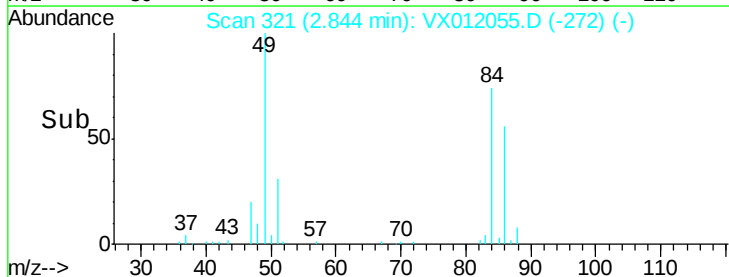
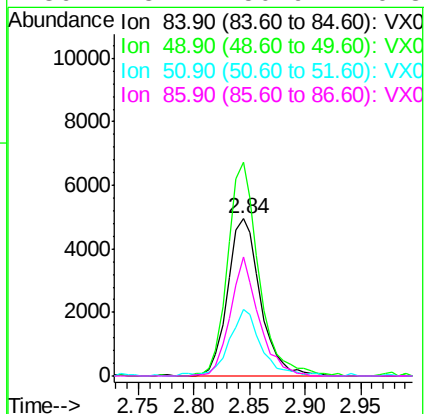
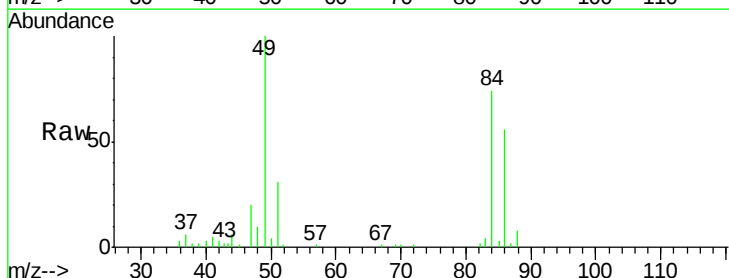
Ion Ratio Lower Upper

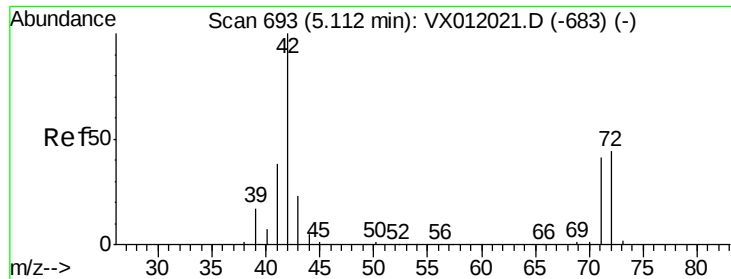
84 100

49 135.8 95.8 143.8

51 42.4 28.6 43.0

86 75.4 50.9 76.3

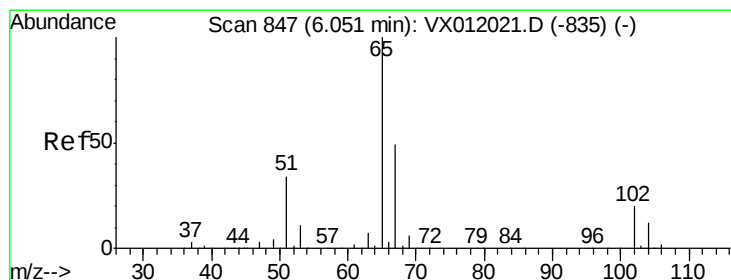
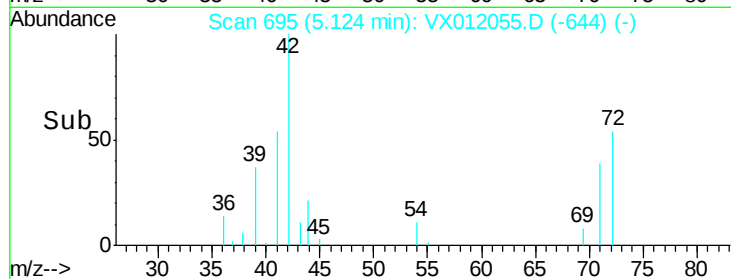
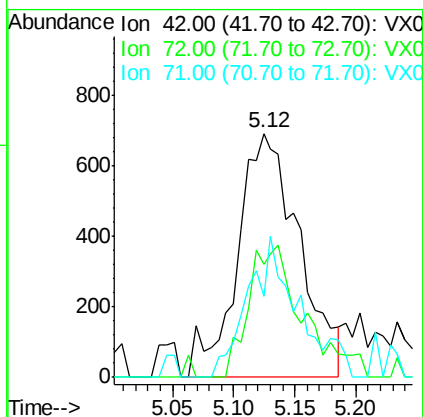
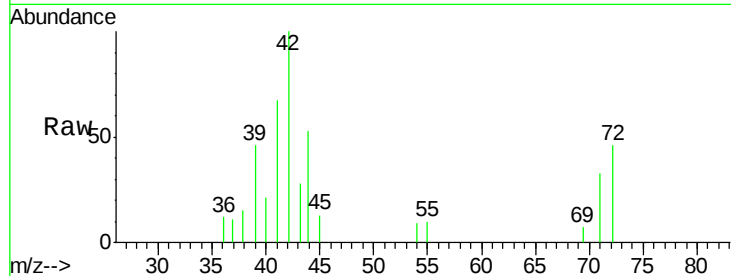




#29
Tetrahydrofuran
Concen: 6.559 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012055.D
Acq: 04 Sep 2019 16:44

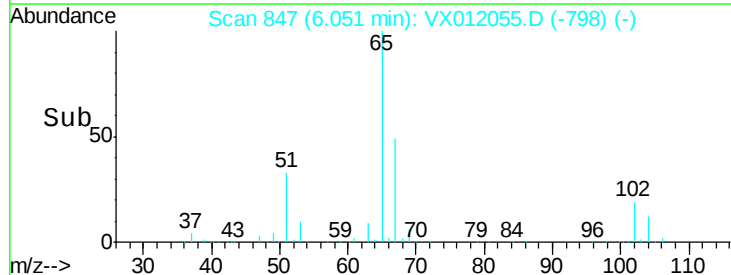
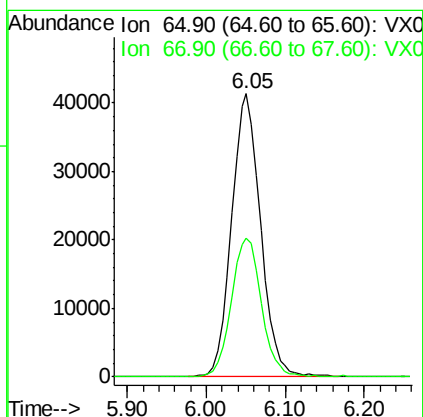
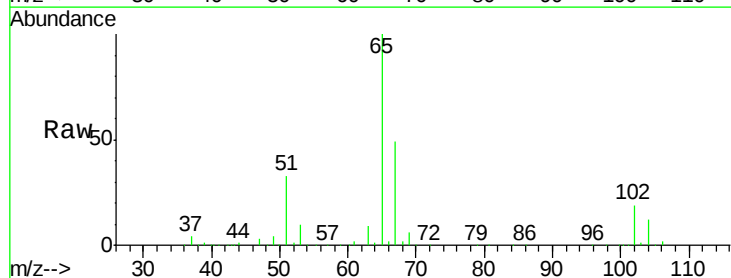
Instrument :
MSVOA_X
ClientSampleId :
S401-K1-2.0-2.5-082619

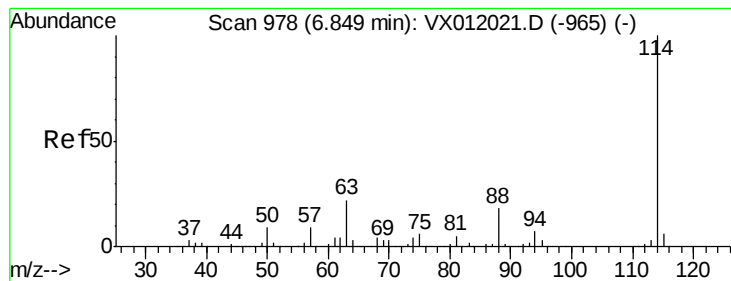
Tot Ion: 42 Resp: 2434
Ion Ratio Lower Upper
42 100
72 47.8 37.0 55.4
71 43.1 33.8 50.8



#33
1,2-Dichloroethane-d4
Concen: 52.144 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012055.D
Acq: 04 Sep 2019 16:44

Tgt Ion: 65 Resp: 105558
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

S401-K1-2.0-2.5-082619

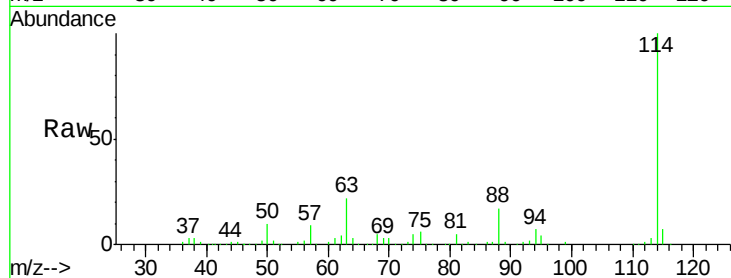
Tot Ion:114 Resp: 257206

Ion Ratio Lower Upper

114 100

63 22.5 0.0 37.4

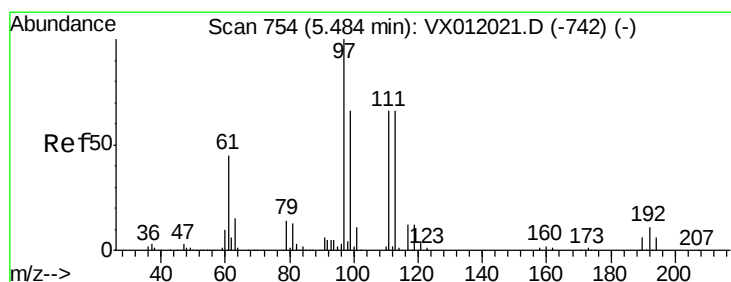
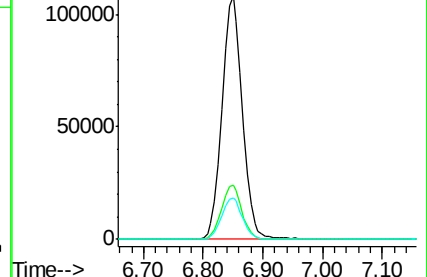
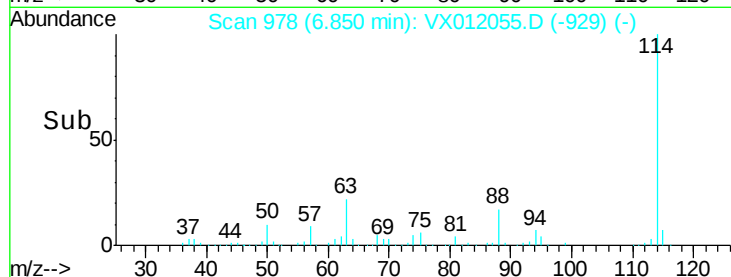
88 17.2 0.0 29.6



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: 48.790 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

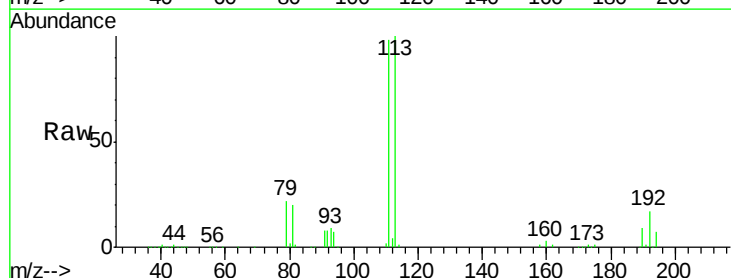
Tgt Ion:113 Resp: 77174

Ion Ratio Lower Upper

113 100

111 103.1 81.7 122.5

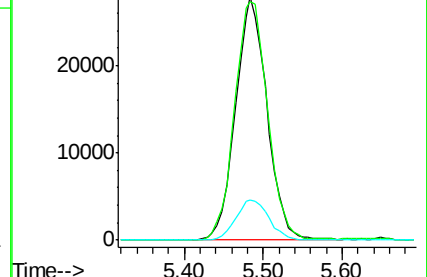
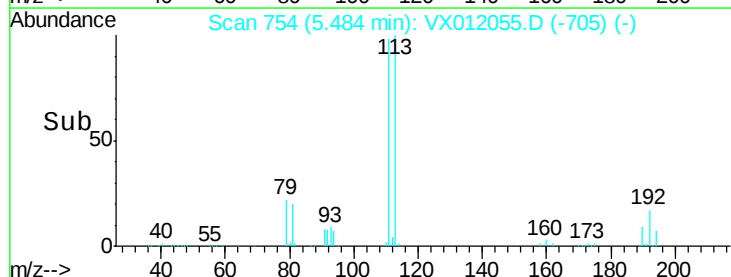
192 17.5 22.5 33.7#

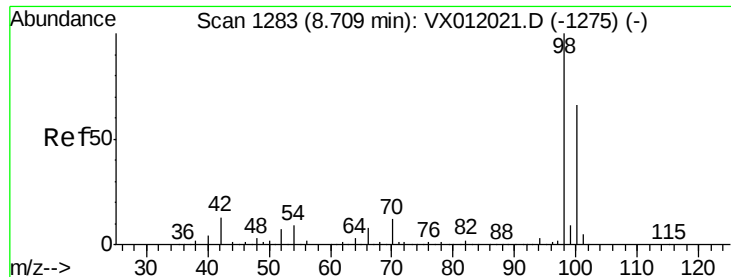


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

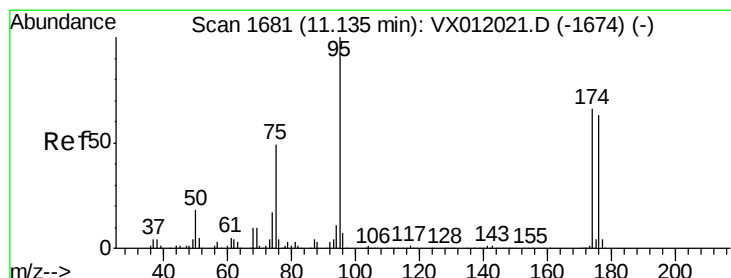
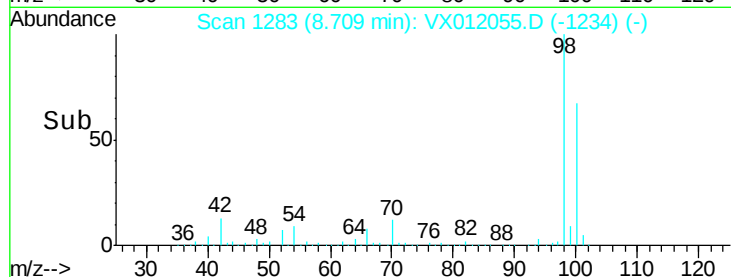
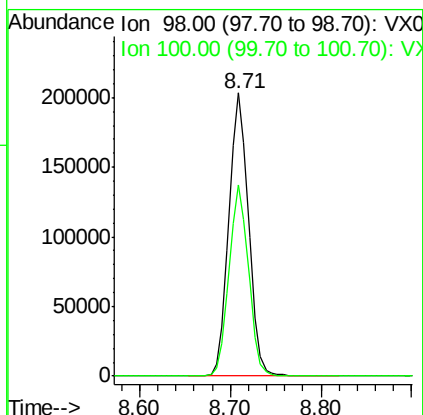
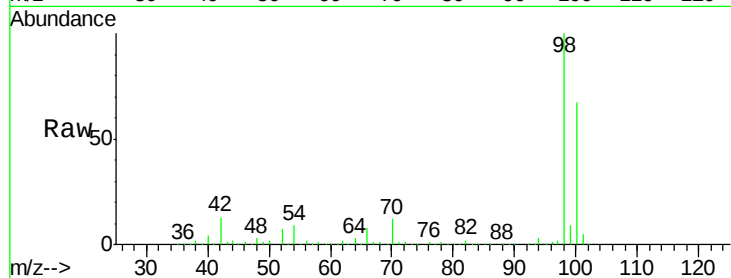




#50
Toluene-d8
Concen: 52.983 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012055.D
Acq: 04 Sep 2019 16:44

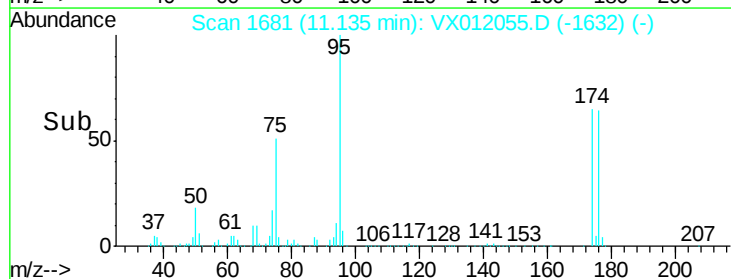
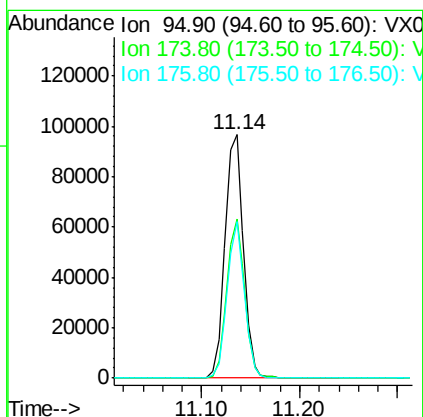
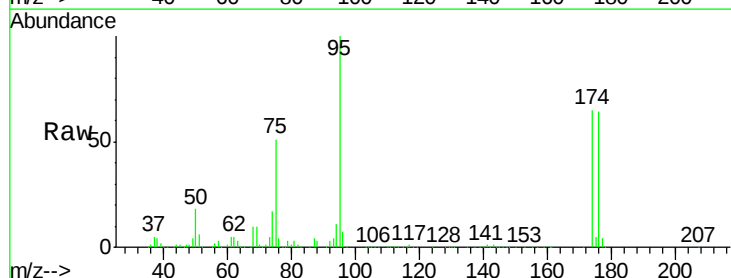
Instrument :
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ClientSampleId :
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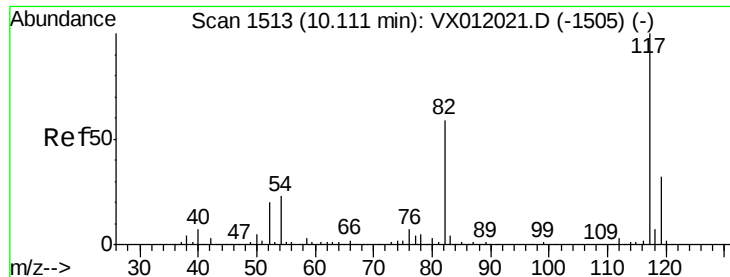
Tot Ion: 98 Resp: 307528
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 46.922 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012055.D
Acq: 04 Sep 2019 16:44

Tgt Ion: 95 Resp: 126659
Ion Ratio Lower Upper
95 100
174 63.5 0.0 205.4
176 60.0 0.0 201.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

S401-K1-2.0-2.5-082619

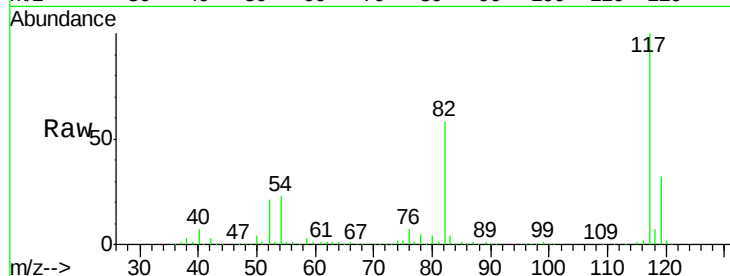
Tot Ion:117 Resp: 230606

Ion Ratio Lower Upper

117 100

82 57.6 39.4 59.0

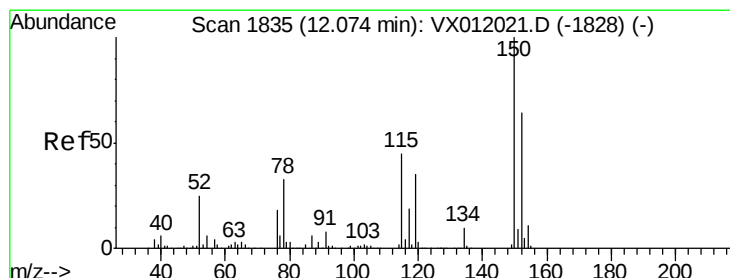
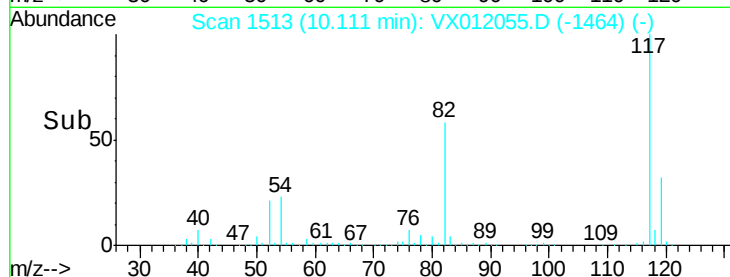
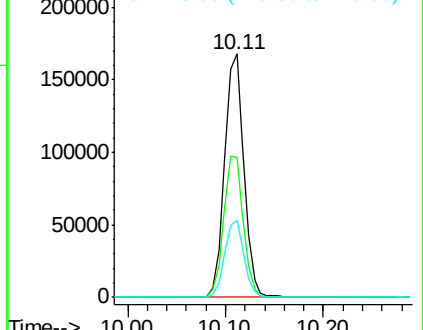
119 31.5 26.1 39.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012055.D

Acq: 04 Sep 2019 16:44

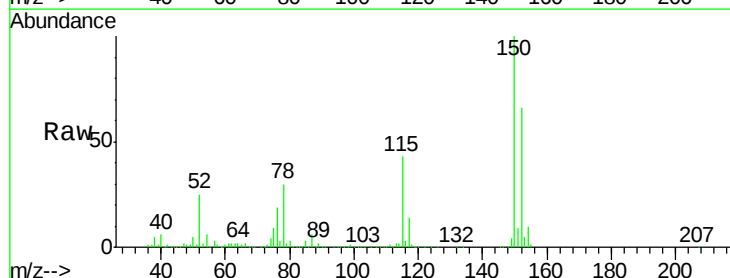
Tgt Ion:152 Resp: 108060

Ion Ratio Lower Upper

152 100

115 65.1 36.4 109.3

150 151.6 0.0 341.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

