

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013606.D
 Acq On : 26 Nov 2019 18:10
 Operator : JC/SP
 Sample : K5979-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 391120775.1-VOA

Quant Time: Nov 26 18:34:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	684115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1093914	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	987646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	468709	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	393499	49.55	ug/l	0.00
Spiked Amount						
			Recovery	=	99.10%	
35) Dibromofluoromethane	5.48	113	324840	48.03	ug/l	0.00
Spiked Amount						
			Recovery	=	96.06%	
50) Toluene-d8	8.71	98	1326027	50.33	ug/l	0.00
Spiked Amount						
			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.13	95	457106	48.11	ug/l	0.00
Spiked Amount						
			Recovery	=	96.22%	

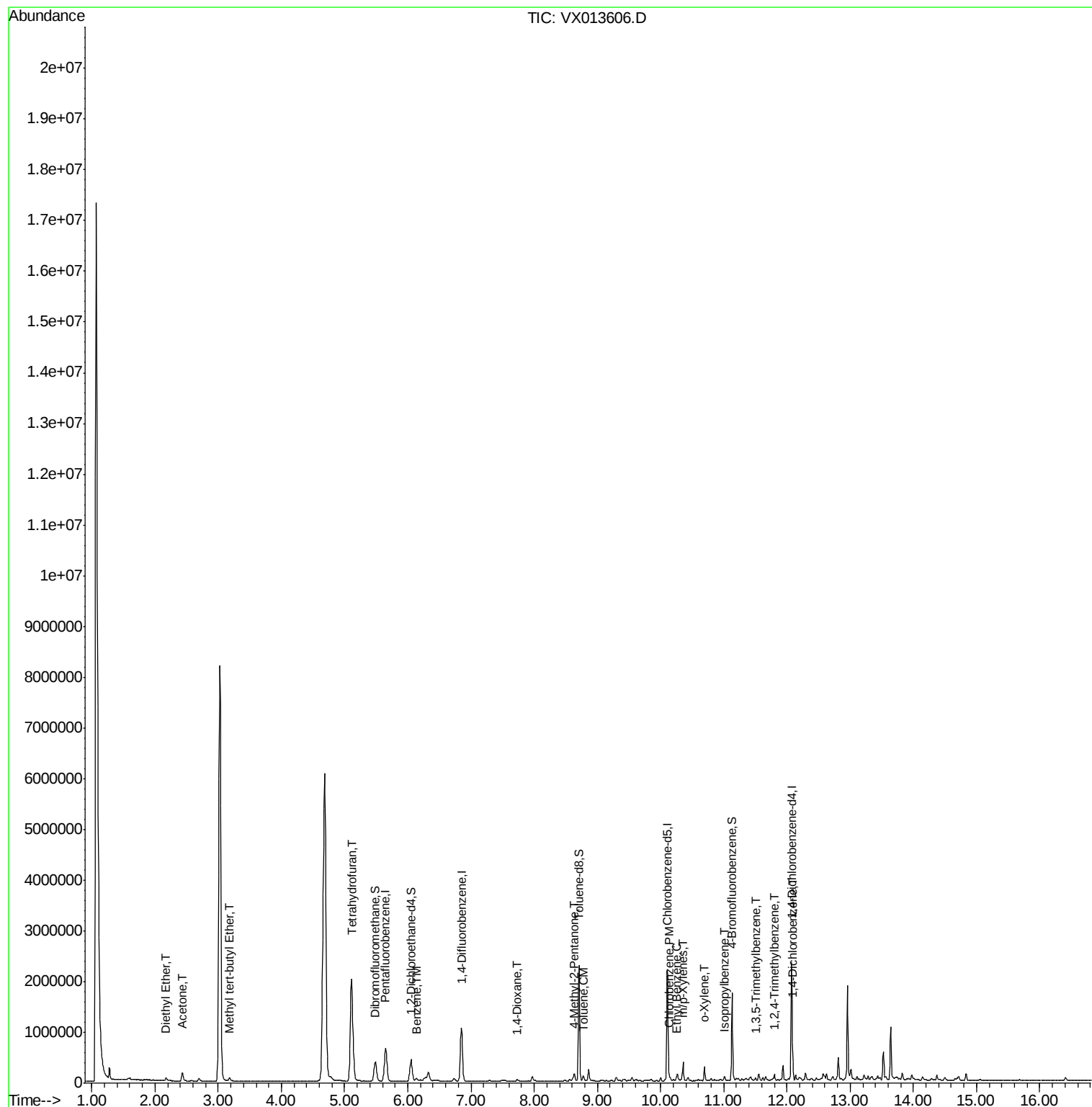
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	15657	3.241	ug/l	99
16) Acetone	2.43	43	111357	28.403	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	63767m	2.957	ug/l	
29) Tetrahydrofuran	5.11	42	1878333	522.921	ug/l	99
40) Benzene	6.13	78	71822	2.375	ug/l	95
49) 1,4-Dioxane	7.73	88	21450	107.540	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	100507	8.712	ug/l	92
52) Toluene	8.78	92	33503	1.783	ug/l	97
65) Chlorobenzene	10.14	112	16843	0.821	ug/l	98
67) Ethyl Benzene	10.25	91	25818	0.733	ug/l	92
68) m/p-Xylenes	10.35	106	80707	5.983	ug/l	97
69) o-Xylene	10.70	106	62227	4.729	ug/l	97
73) Isopropylbenzene	11.01	105	32029	0.974	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	22877	0.849	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	52335	1.914	ug/l	95
88) 1,4-Dichlorobenzene	12.09	146	78389	4.971	ug/l	93

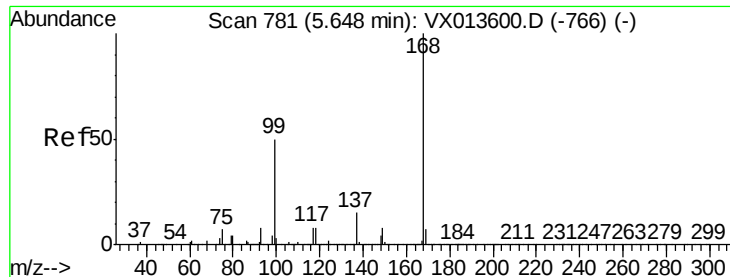
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112619\
Data File : VX013606.D
Acq On : 26 Nov 2019 18:10
Operator : JC/SP
Sample : K5979-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
391120775.1-VOA

Quant Time: Nov 26 18:34:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 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: VX013606.D

Acq: 26 Nov 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

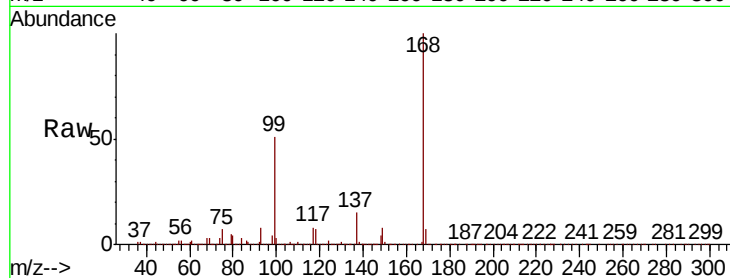
391120775.1-VOA

Tot Ion:168 Resp: 684115

Ion Ratio Lower Upper

168 100

99 51.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

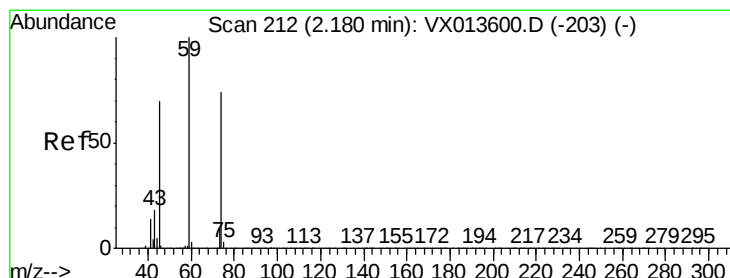
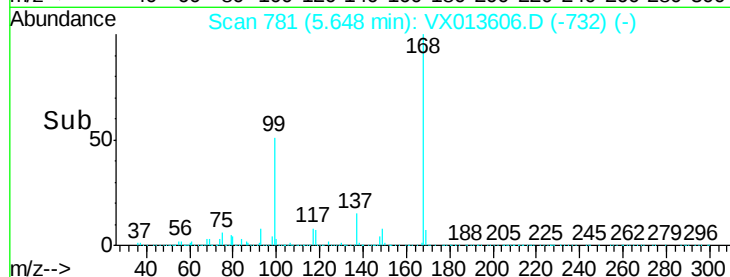
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 3.241 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX013606.D

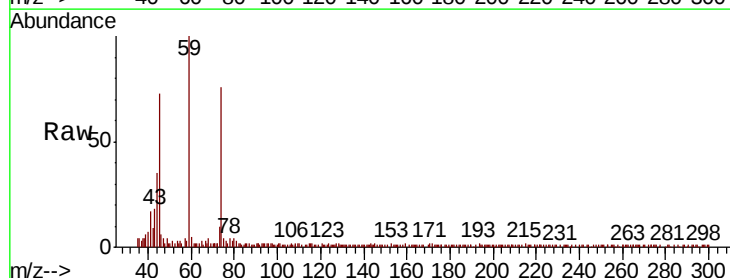
Acq: 26 Nov 2019 18:10

Tgt Ion: 74 Resp: 15657

Ion Ratio Lower Upper

74 100

45 96.8 48.9 146.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

12000

10000

8000

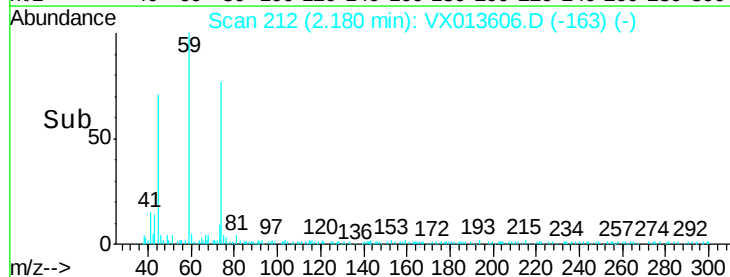
6000

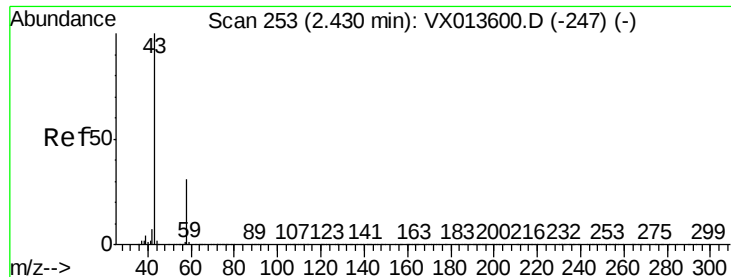
4000

2000

0

Time-->





#16

Acetone

Concen: 28.403 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013606.D

Acq: 26 Nov 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

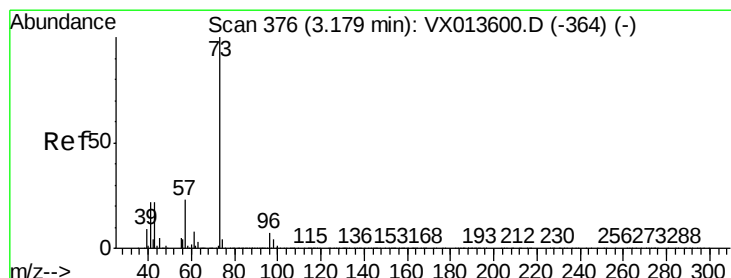
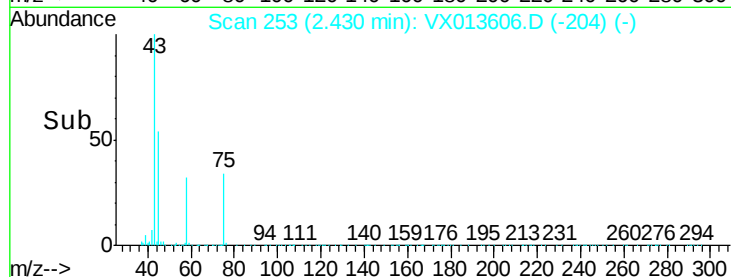
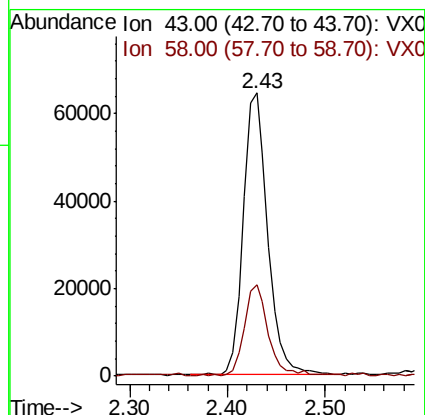
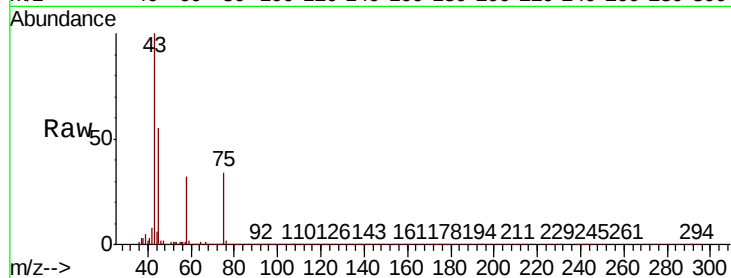
391120775.1-VOA

Tot Ion: 43 Resp: 111357

Ion Ratio Lower Upper

43 100

58 32.2 24.6 36.8



#19

Methyl tert-butyl Ether

Concen: 2.957 ug/l m

RT: 3.18 min Scan# 376

Delta R.T. 0.00 min

Lab File: VX013606.D

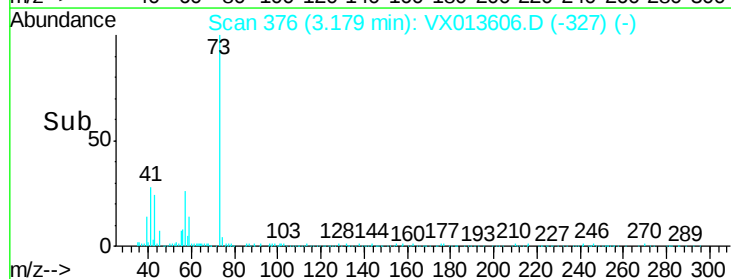
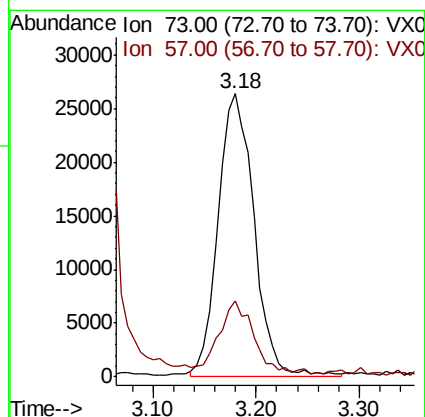
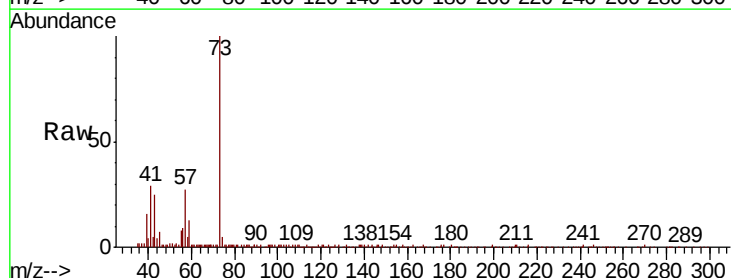
Acq: 26 Nov 2019 18:10

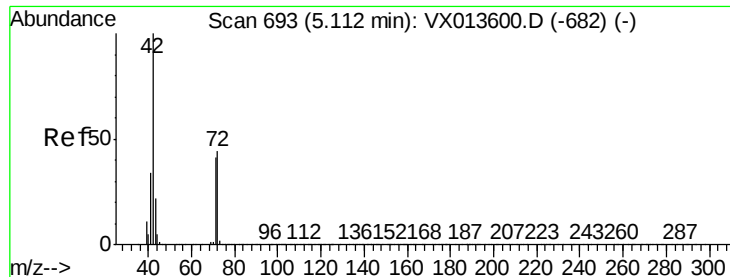
Tgt Ion: 73 Resp: 63767

Ion Ratio Lower Upper

73 100

57 26.7 18.3 27.5





#29

Tetrahydrofuran

Concen: 522.921 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX013606.D

Acq: 26 Nov 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

391120775.1-VOA

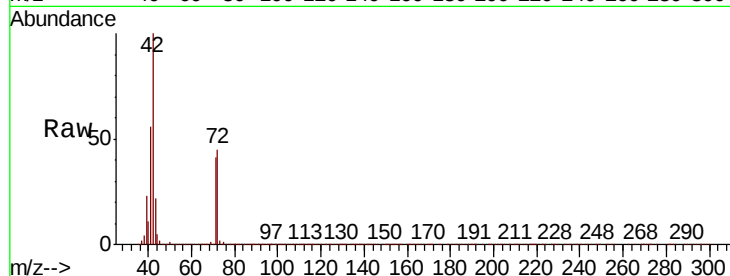
Tot Ion: 42 Resp: 1878333

Ion Ratio Lower Upper

42 100

72 44.6 36.3 54.5

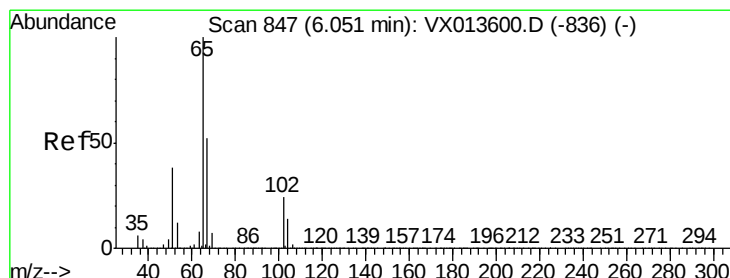
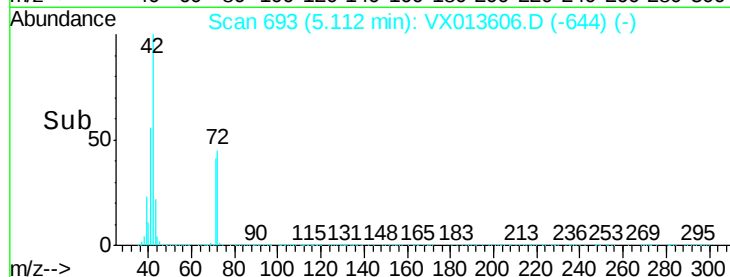
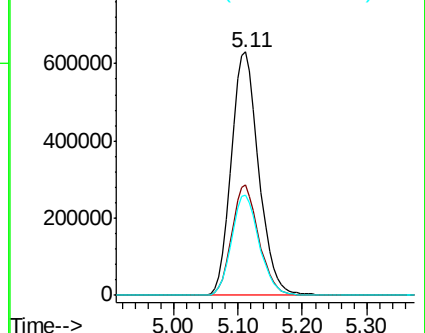
71 41.4 33.2 49.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.553 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013606.D

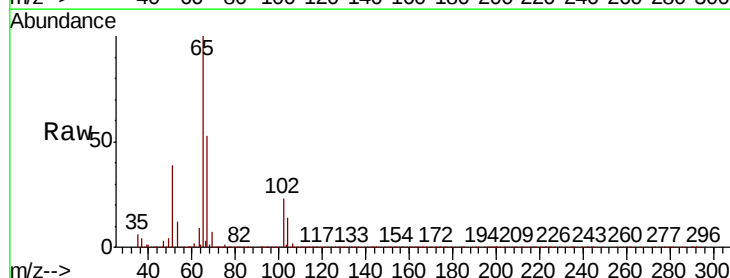
Acq: 26 Nov 2019 18:10

Tgt Ion: 65 Resp: 393499

Ion Ratio Lower Upper

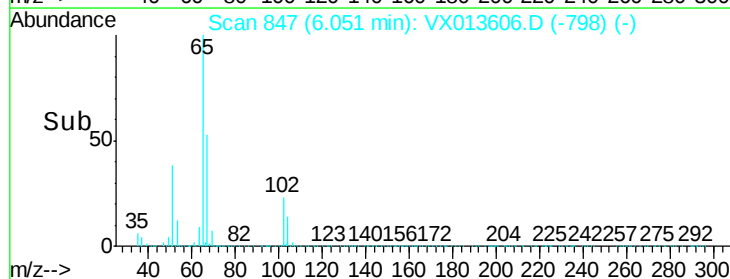
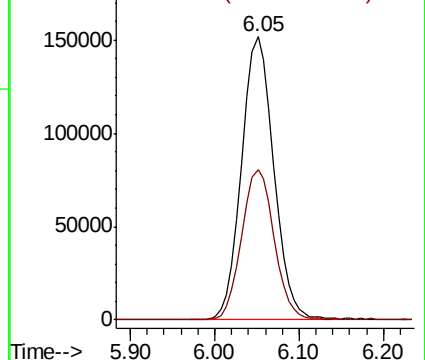
65 100

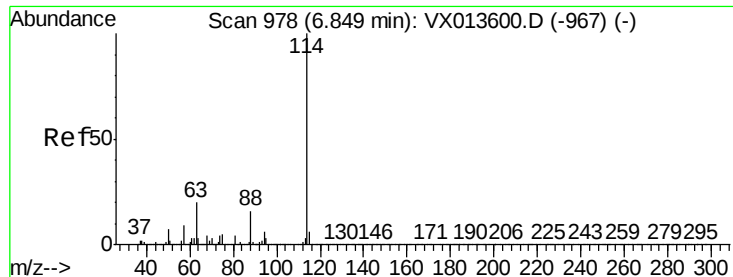
67 53.2 0.0 104.4



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: VX013606.D

Acq: 26 Nov 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

391120775.1-VOA

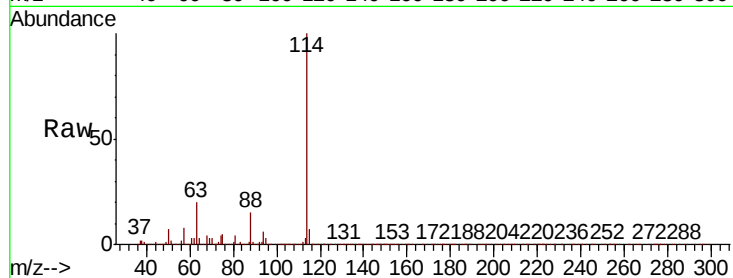
Tot Ion:114 Resp: 1093914

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 14.9 0.0 31.4



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

600000

500000

400000

300000

200000

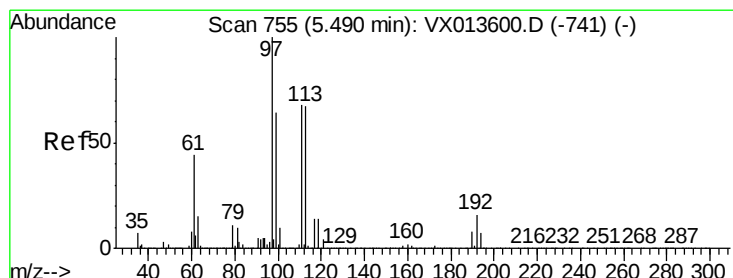
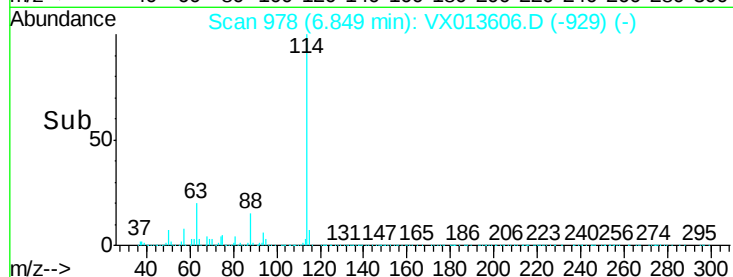
100000

0

6.85

6.80 6.85 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 48.034 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013606.D

Acq: 26 Nov 2019 18:10

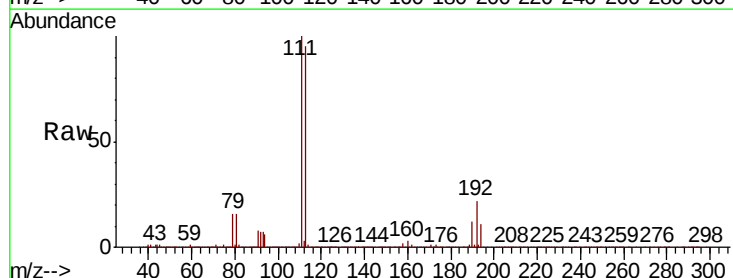
Tgt Ion:113 Resp: 324840

Ion Ratio Lower Upper

113 100

111 102.9 83.6 125.4

192 23.6 19.2 28.8



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

150000

100000

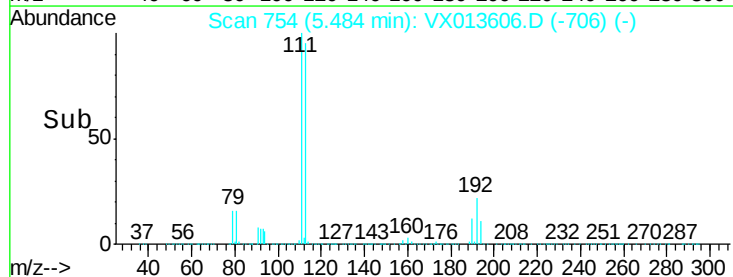
50000

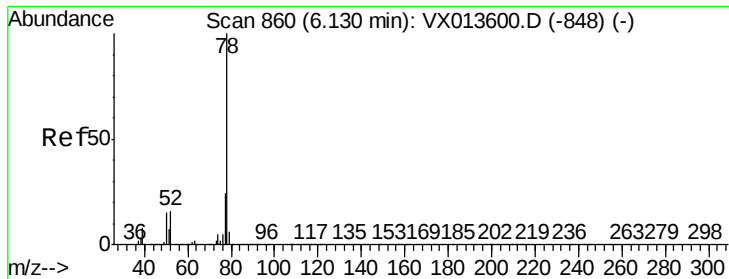
0

5.48

5.40 5.45 5.50 5.55 5.60

Time-->





#40

Benzene

Concen: 2.375 ug/l

RT: 6.13 min Scan# 860

Delta R.T. 0.00 min

Lab File: VX013606.D

Acq: 26 Nov 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

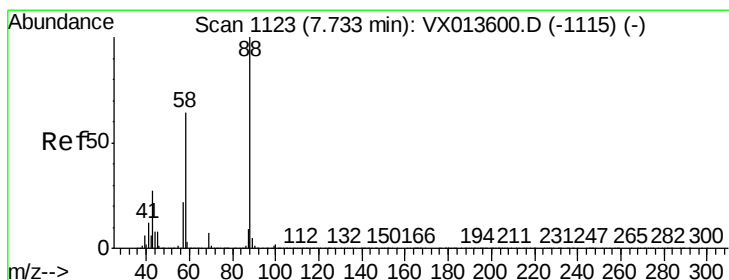
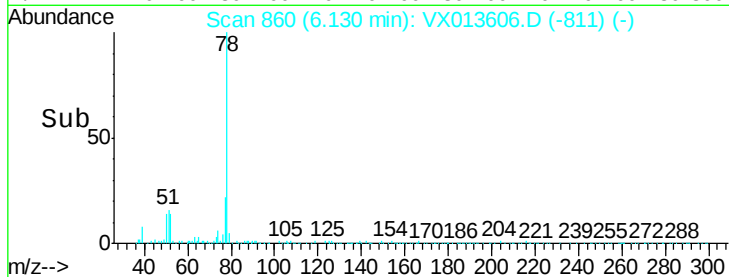
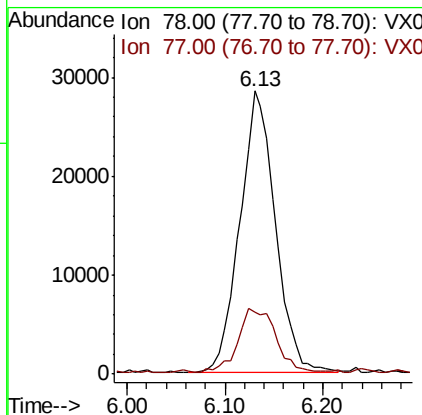
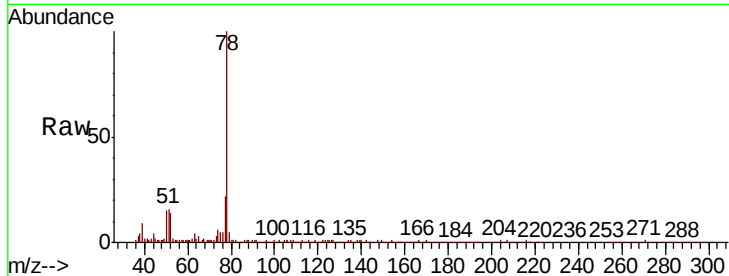
391120775.1-VOA

Tot Ion: 78 Resp: 71822

Ion Ratio Lower Upper

78 100

77 21.2 19.0 28.4



#49

1,4-Dioxane

Concen: 107.540 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013606.D

Acq: 26 Nov 2019 18:10

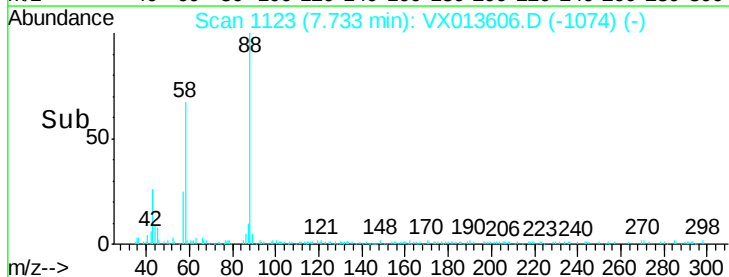
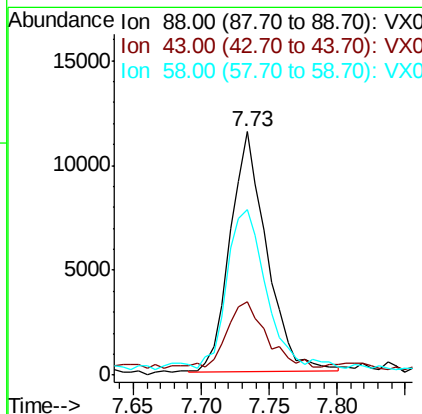
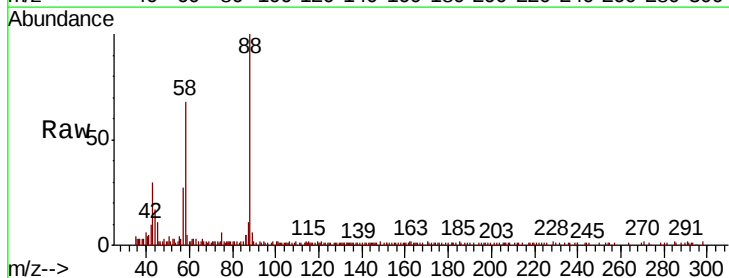
Tgt Ion: 88 Resp: 21450

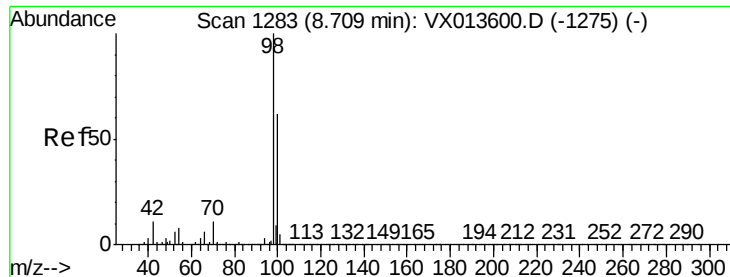
Ion Ratio Lower Upper

88 100

43 31.5 25.8 38.6

58 68.8 54.6 82.0





#50

Toluene-d8

Concen: 50.327 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013606.D

Acq: 26 Nov 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

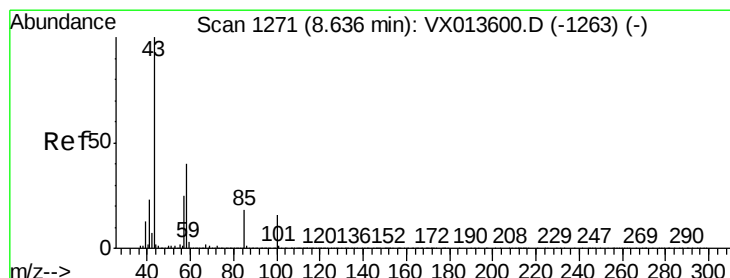
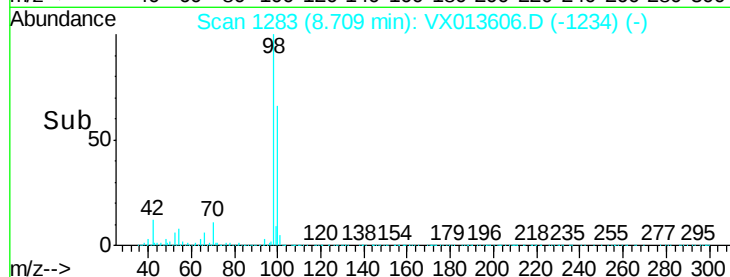
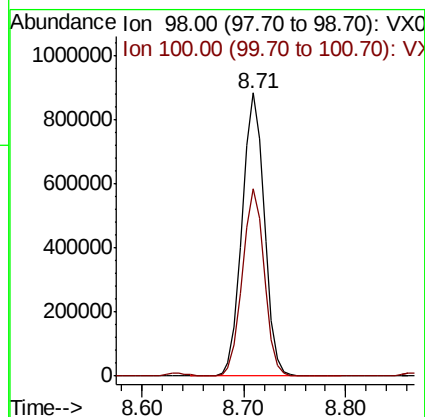
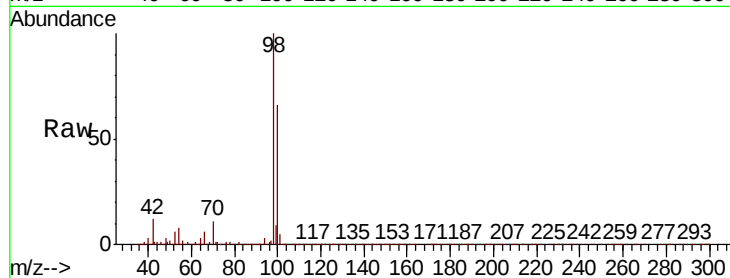
391120775.1-VOA

Tot Ion: 98 Resp: 1326027

Ion Ratio Lower Upper

98 100

100 65.1 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 8.712 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013606.D

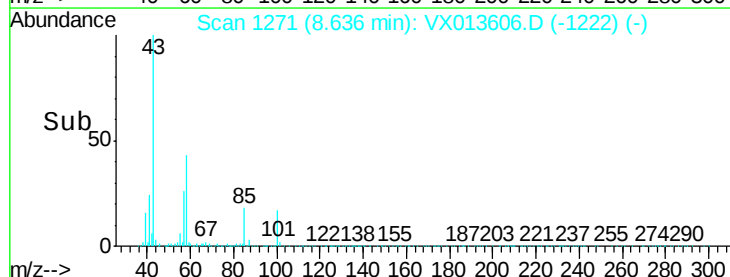
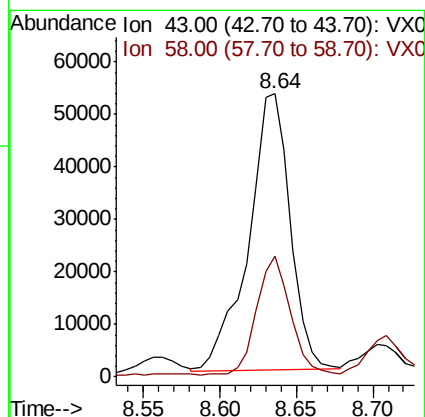
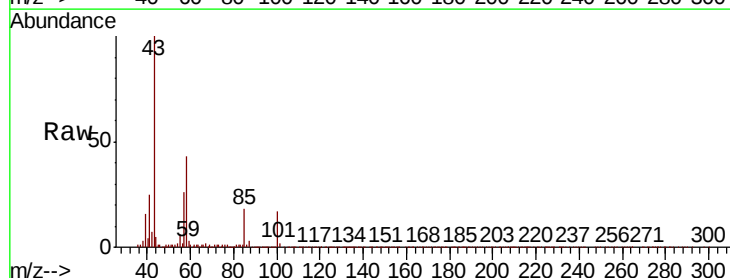
Acq: 26 Nov 2019 18:10

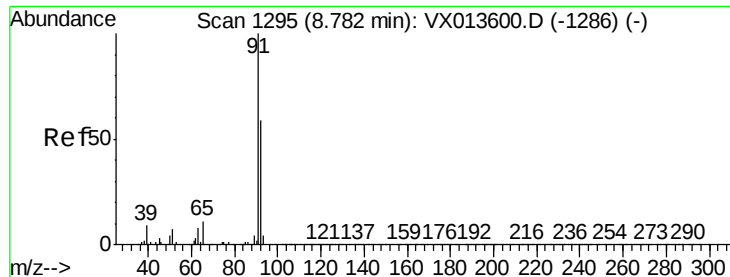
Tgt Ion: 43 Resp: 100507

Ion Ratio Lower Upper

43 100

58 35.1 32.1 48.1





#52

Toluene

Concen: 1.783 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013606.D

Acq: 26 Nov 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

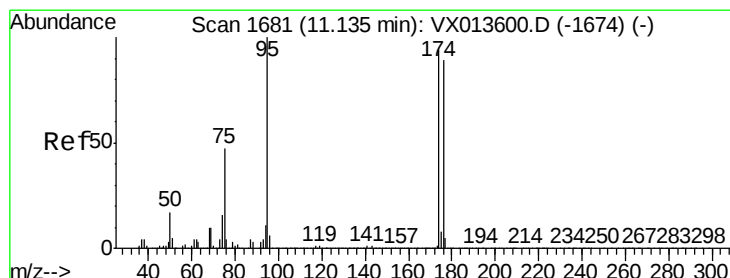
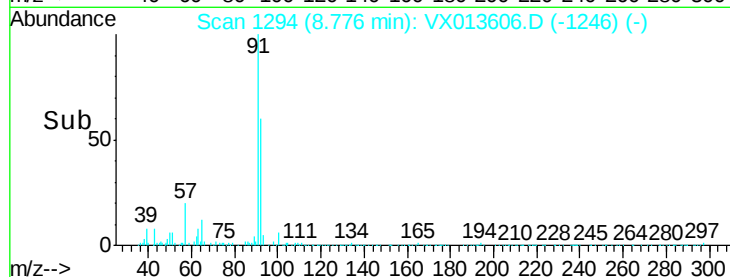
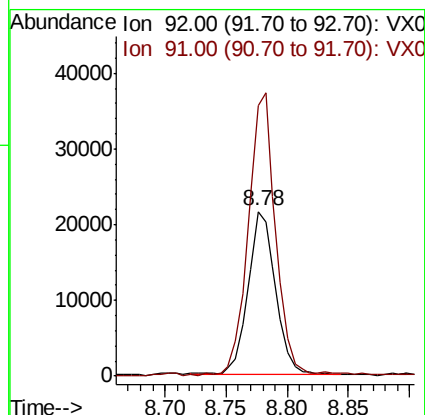
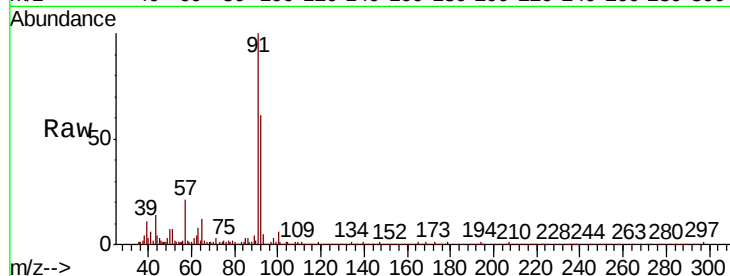
391120775.1-VOA

Tot Ion: 92 Resp: 33503

Ion Ratio Lower Upper

92 100

91 173.8 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 48.110 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013606.D

Acq: 26 Nov 2019 18:10

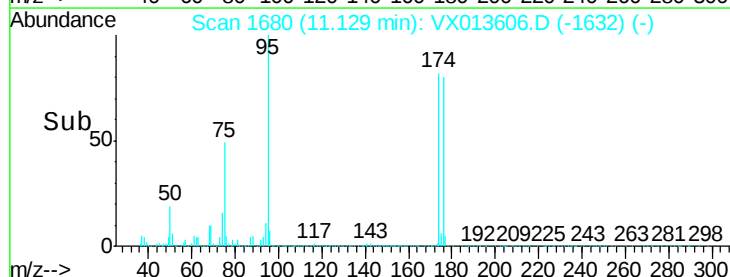
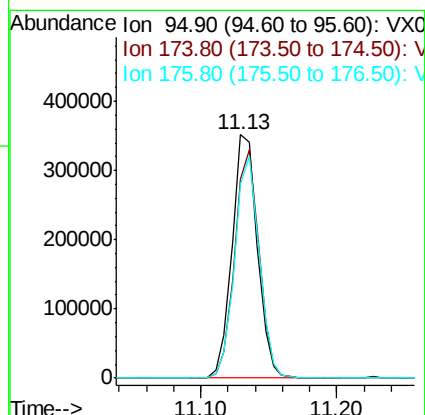
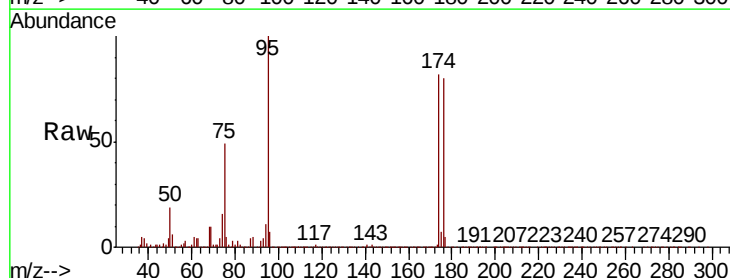
Tgt Ion: 95 Resp: 457106

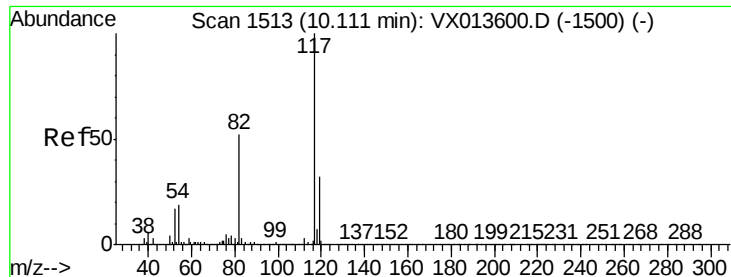
Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.0

176 88.1 0.0 173.6

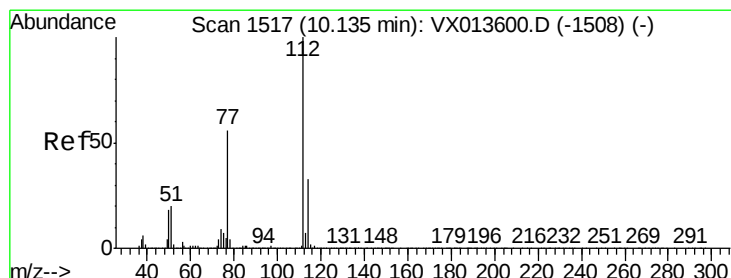
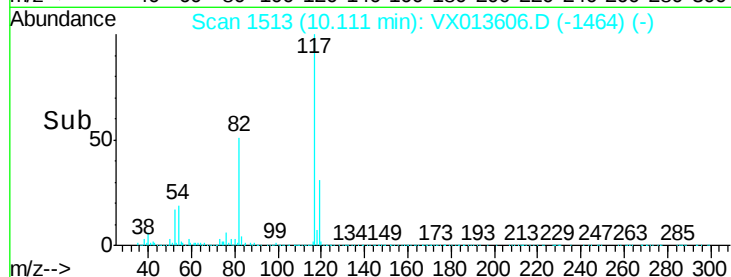
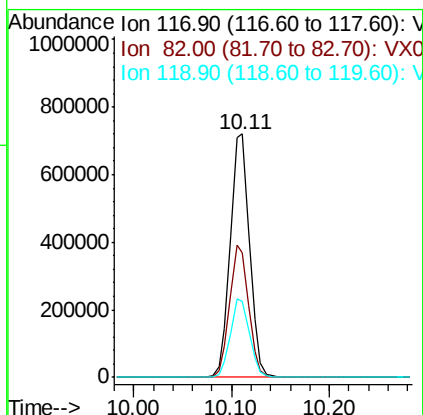
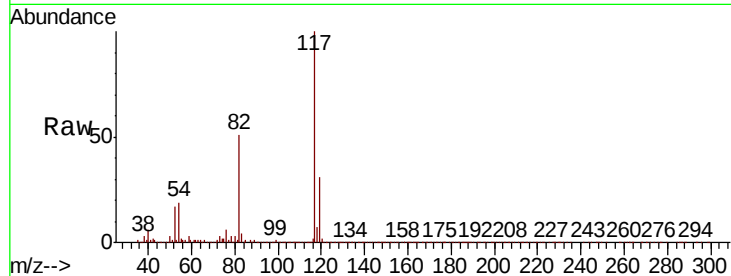




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013606.D
Acq: 26 Nov 2019 18:10

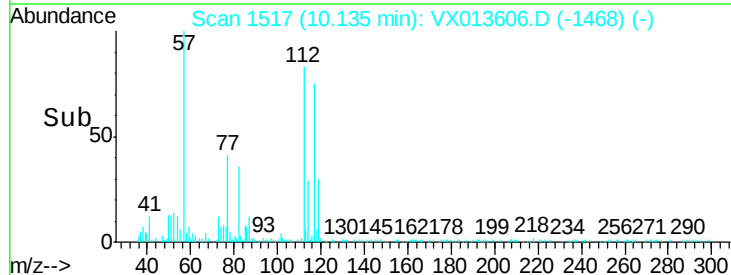
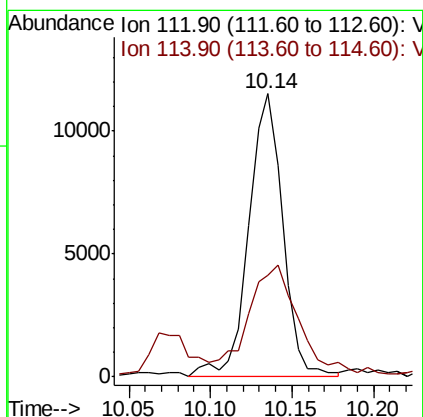
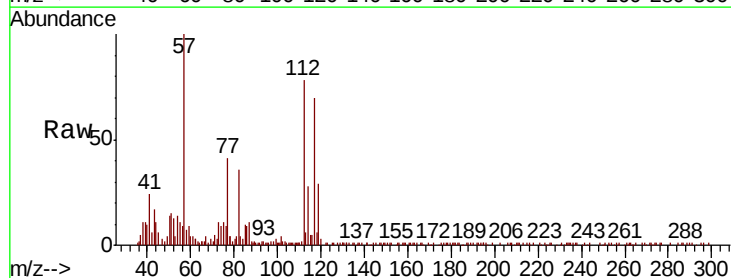
Instrument :
MSVOA_X
ClientSampleId :
391120775.1-VOA

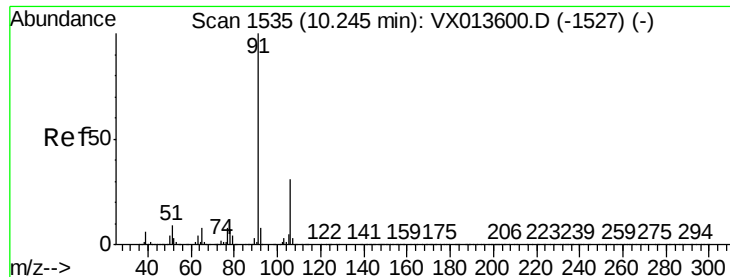
Tot Ion:117 Resp: 987646
Ion Ratio Lower Upper
117 100
82 51.4 41.8 62.8
119 31.5 25.8 38.8



#65
Chlorobenzene
Concen: 0.821 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013606.D
Acq: 26 Nov 2019 18:10

Tgt Ion:112 Resp: 16843
Ion Ratio Lower Upper
112 100
114 31.4 26.1 39.1





#67

Ethyl Benzene

Concen: 0.733 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013606.D

Acq: 26 Nov 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

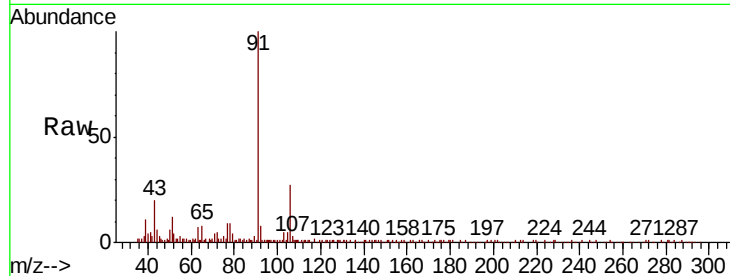
391120775.1-VOA

Tot Ion: 91 Resp: 25818

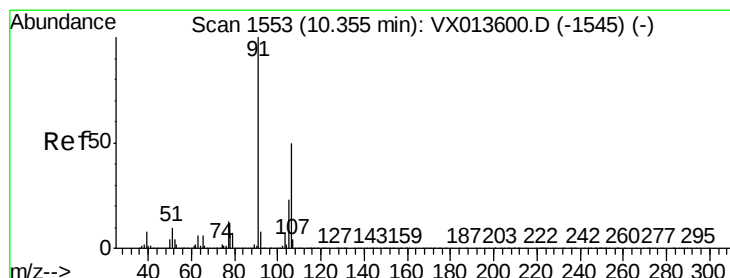
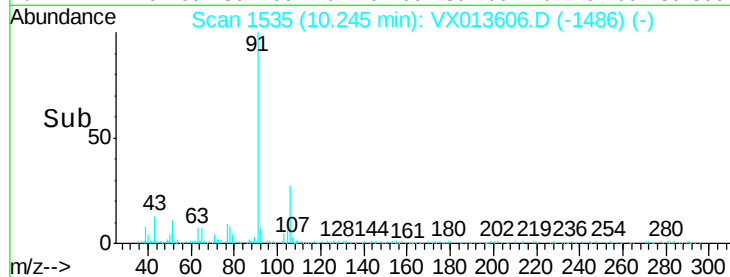
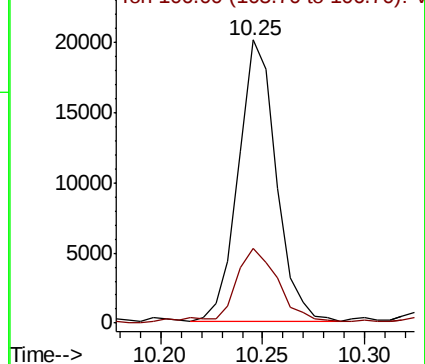
Ion Ratio Lower Upper

91 100

106 26.1 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VX013606.D (-1527) (-)



#68

m/p-Xylenes

Concen: 5.983 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013606.D

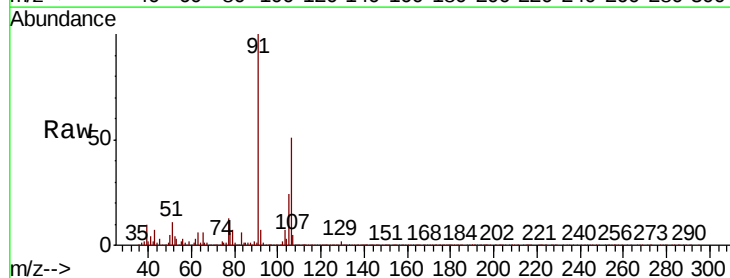
Acq: 26 Nov 2019 18:10

Tgt Ion: 106 Resp: 80707

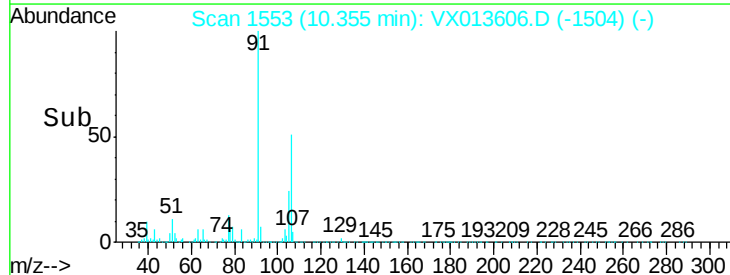
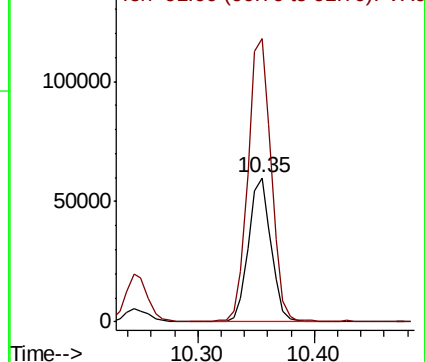
Ion Ratio Lower Upper

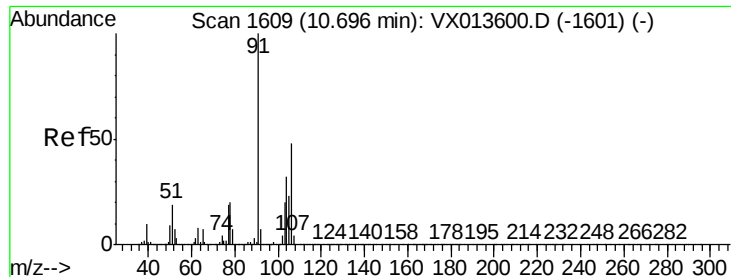
106 100

91 202.5 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): VX013606.D (-1545) (-)

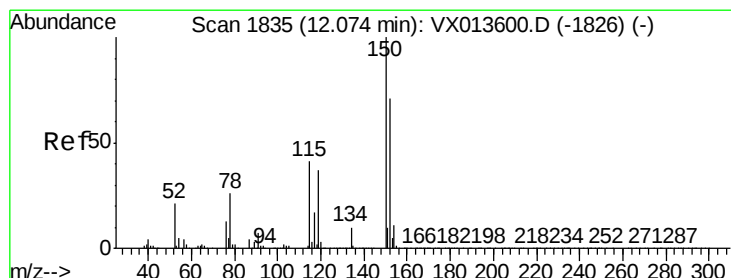
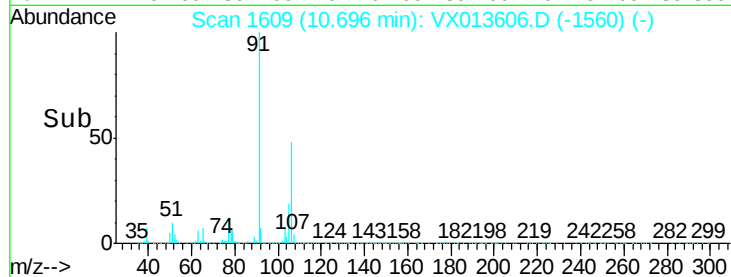
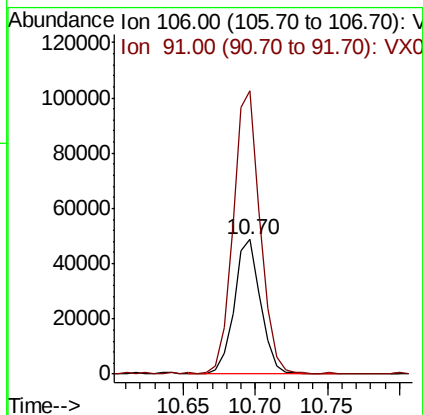
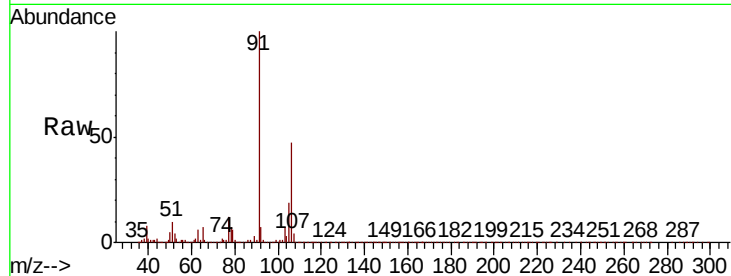




#69
o-Xylene
Concen: 4.729 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013606.D
Acq: 26 Nov 2019 18:10

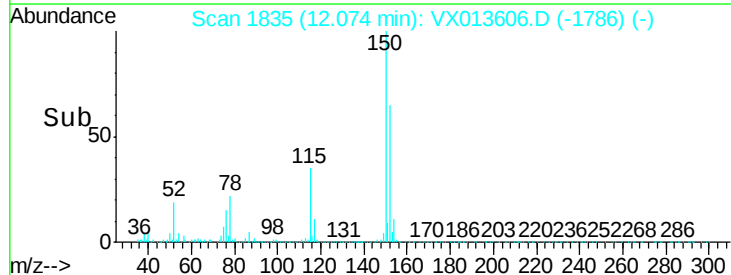
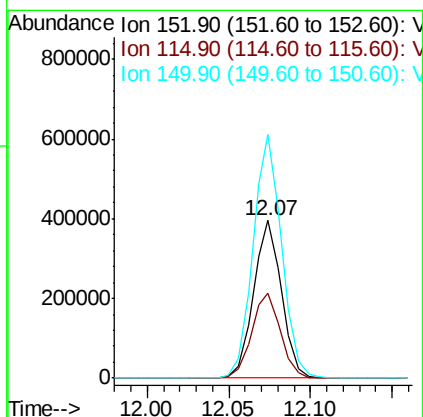
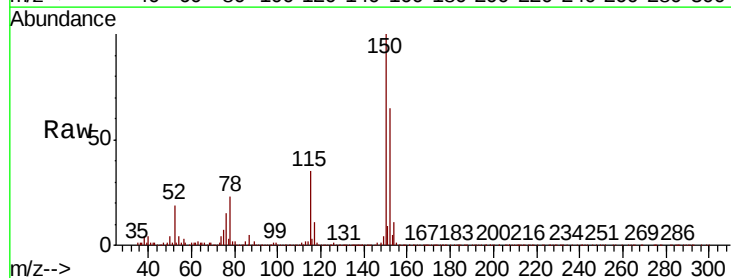
Instrument :
MSVOA_X
ClientSampleId :
391120775.1-VOA

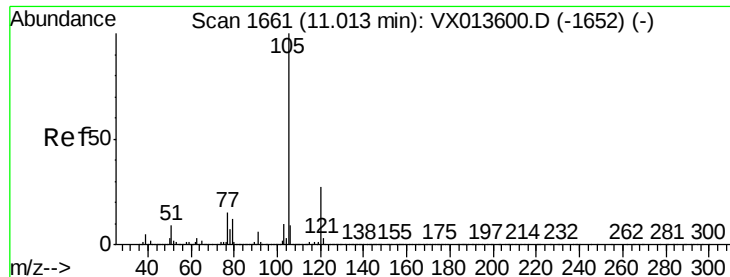
Tot Ion:106 Resp: 62227
Ion Ratio Lower Upper
106 100
91 213.5 104.1 312.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013606.D
Acq: 26 Nov 2019 18:10

Tgt Ion:152 Resp: 468709
Ion Ratio Lower Upper
152 100
115 55.2 38.4 115.1
150 158.1 0.0 346.8





#73

Isopropylbenzene

Concen: 0.974 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013606.D

Acq: 26 Nov 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

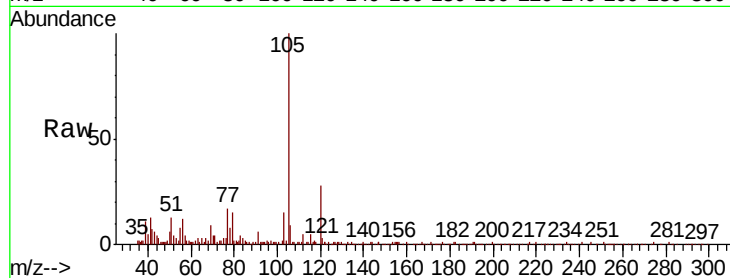
391120775.1-VOA

Tot Ion:105 Resp: 32029

Ion Ratio Lower Upper

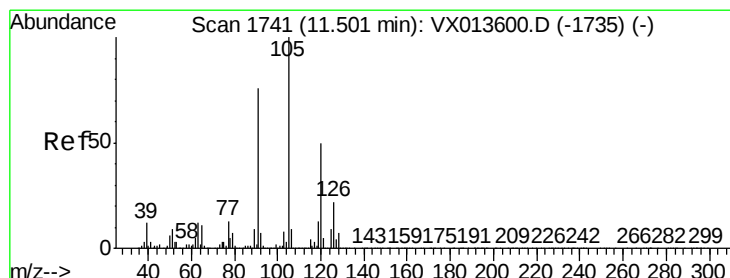
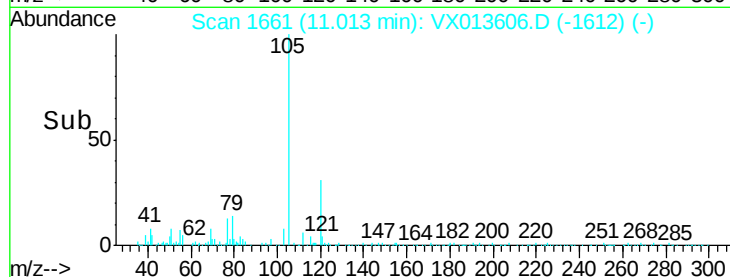
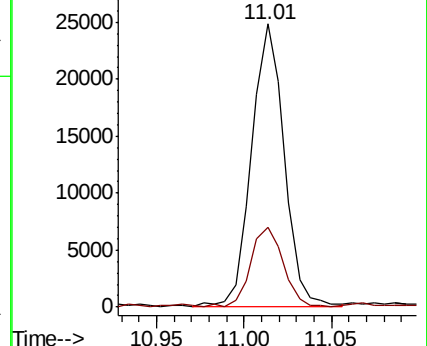
105 100

120 27.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 0.849 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013606.D

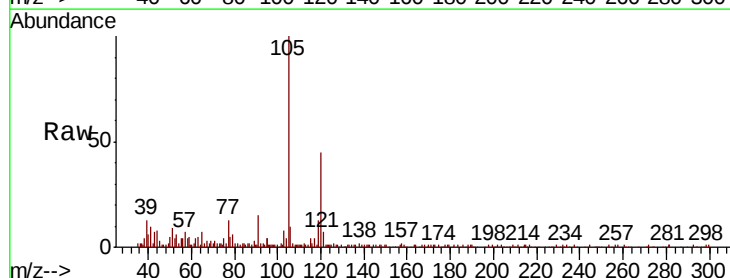
Acq: 26 Nov 2019 18:10

Tgt Ion:105 Resp: 22877

Ion Ratio Lower Upper

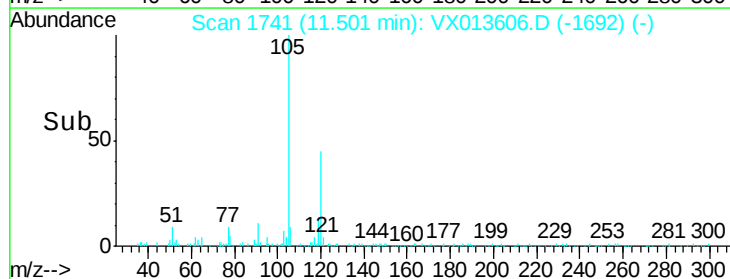
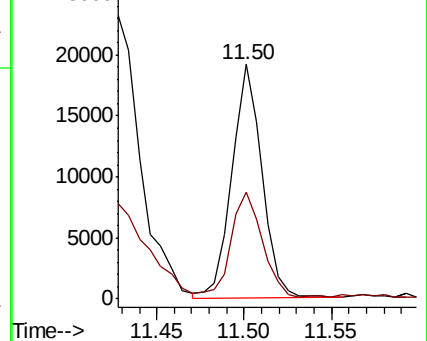
105 100

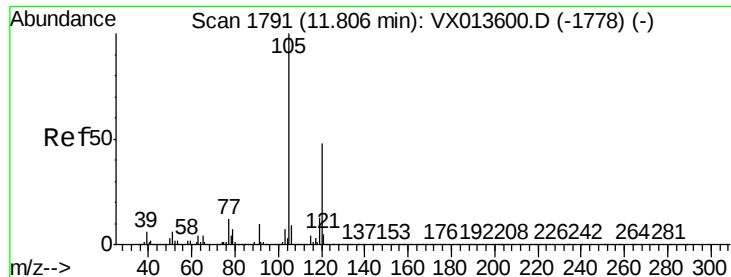
120 45.5 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

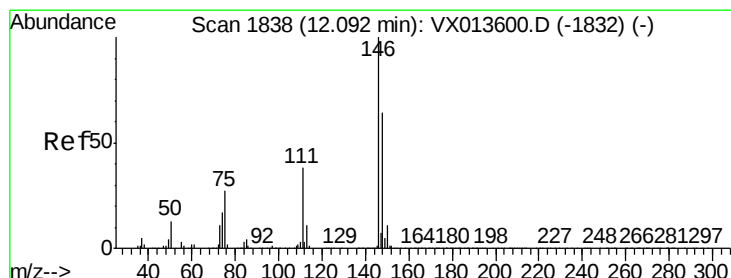
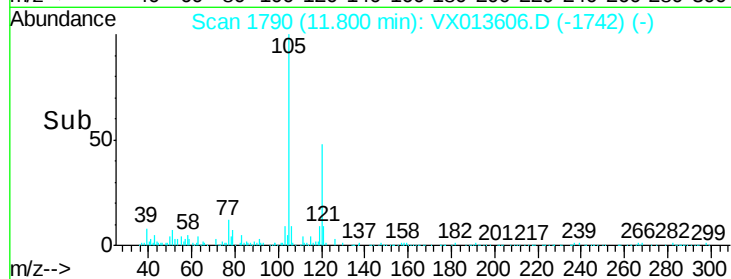
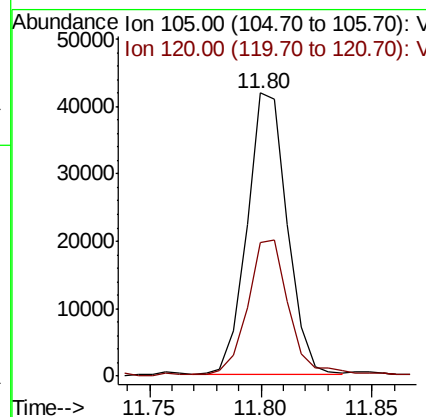
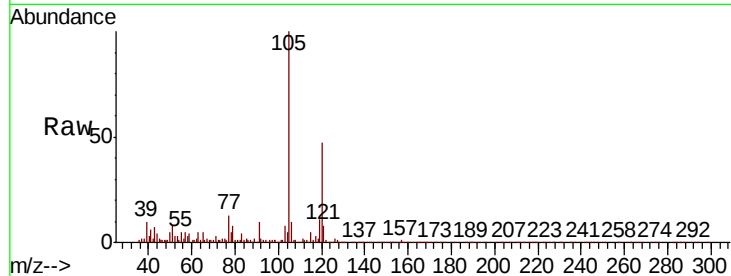




#84
 1,2,4-Trimethylbenzene
 Concen: 1.914 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX013606.D
 Acq: 26 Nov 2019 18:10

Instrument :
 MSVOA_X
 ClientSampleId :
 391120775.1-VOA

Tot Ion:105 Resp: 52335
 Ion Ratio Lower Upper
 105 100
 120 49.4 23.1 69.3



#88
 1,4-Dichlorobenzene
 Concen: 4.971 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013606.D
 Acq: 26 Nov 2019 18:10

Tgt Ion:146 Resp: 78389
 Ion Ratio Lower Upper
 146 100
 111 45.9 18.9 56.9
 148 66.3 31.9 95.5

