

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071519\
 Data File : VX010878.D
 Acq On : 15 Jul 2019 12:45
 Operator : JC/SP
 Sample : K3781-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 390711760.3-VOA

Quant Time: Jul 16 09:51:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	236618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	368469	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161489	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	124019	55.90	ug/l	0.00
Spiked Amount			Recovery	=	111.80%	
35) Dibromofluoromethane	5.49	113	114934	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	8.71	98	441671	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	11.13	95	157426	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	

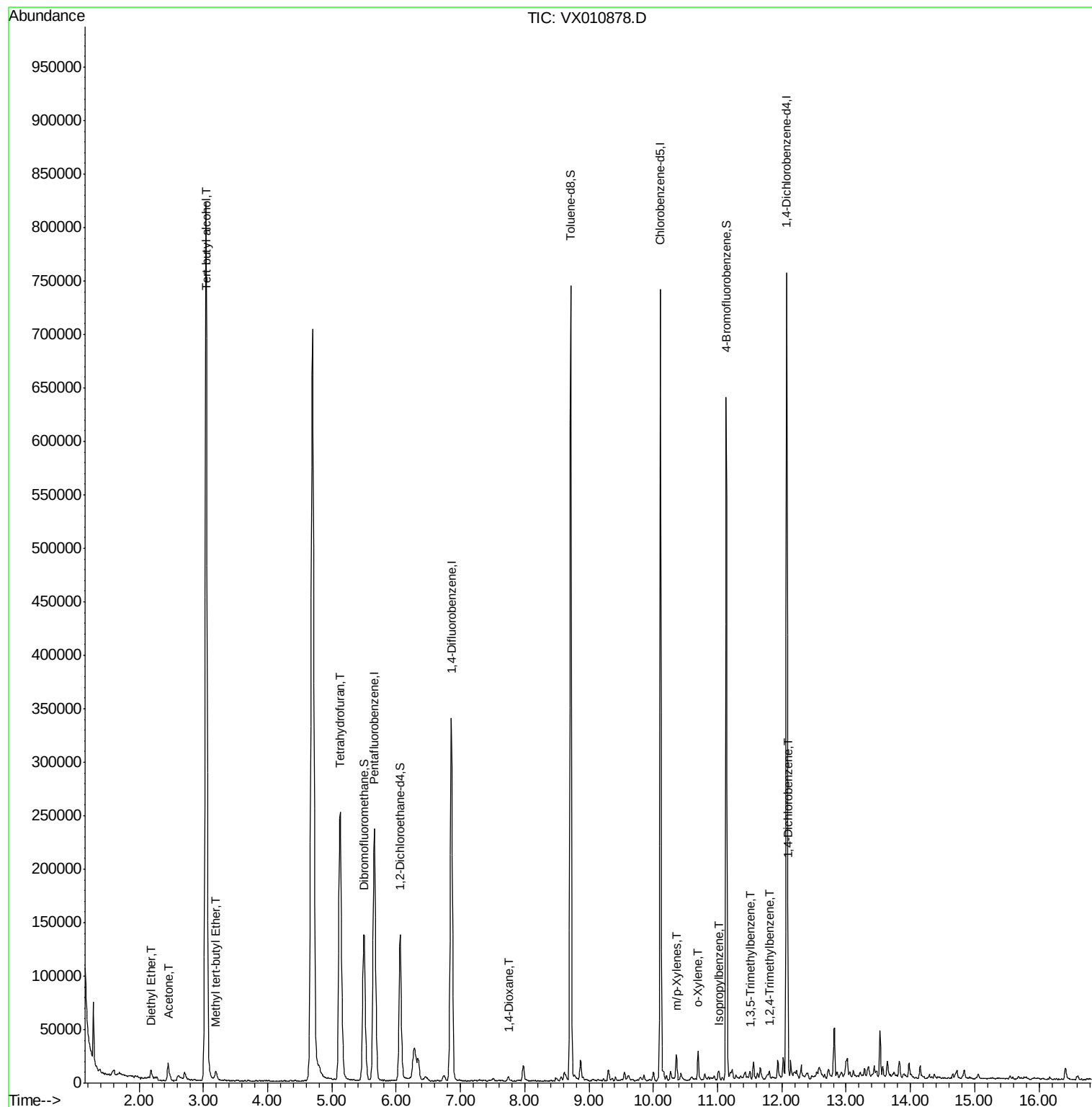
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.19	74	2662	2.232	ug/l	92
11) Tert butyl alcohol	3.04	59	1021791	1760.140	ug/l	98
16) Acetone	2.45	43	2140	1.925	ug/l #	75
19) Methyl tert-butyl Ether	3.19	73	9599	1.488	ug/l	96
29) Tetrahydrofuran	5.13	42	225806	223.520	ug/l	98
49) 1,4-Dioxane	7.74	88	3239	48.537	ug/l #	84
68) m/p-Xylenes	10.35	106	4425	0.980	ug/l	94
69) o-Xylene	10.70	106	5995	1.350	ug/l	98
73) Isopropylbenzene	11.02	105	3802	0.347	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	3054	0.338	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	3268	0.360	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	11871	2.185	ug/l #	81

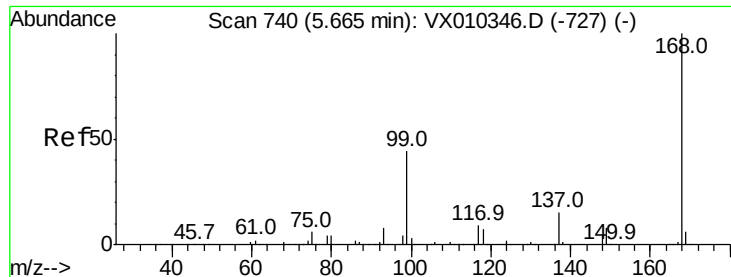
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071519\
Data File : VX010878.D
Acq On : 15 Jul 2019 12:45
Operator : JC/SP
Sample : K3781-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
390711760.3-VOA

Quant Time: Jul 16 09:51:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010878.D

Acq: 15 Jul 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

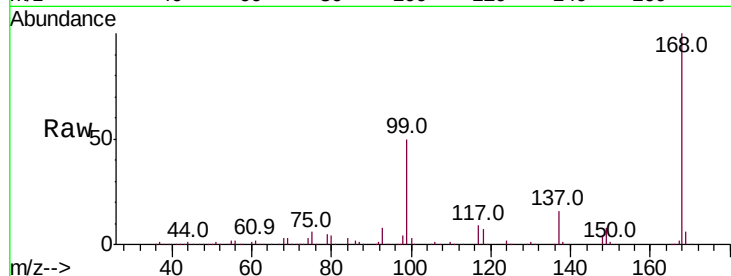
390711760.3-VOA

Tot Ion:168 Resp: 236618

Ion Ratio Lower Upper

168 100

99 50.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

100000 Ion 98.90 (98.60 to 99.60): VX0

80000

60000

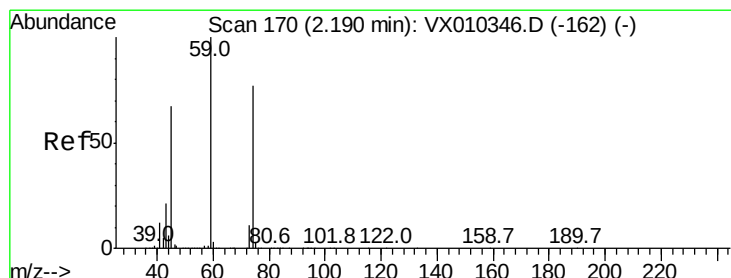
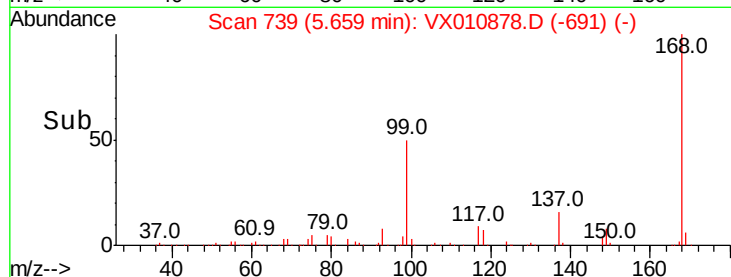
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#8

Diethyl Ether

Concen: 2.232 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX010878.D

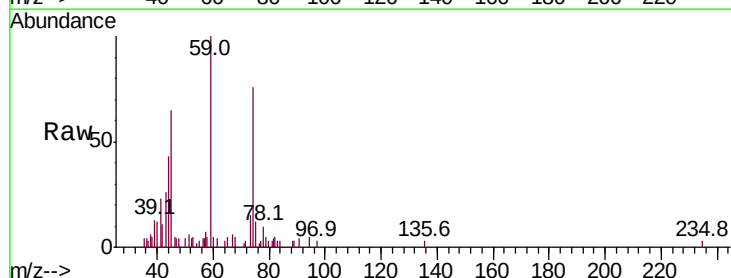
Acq: 15 Jul 2019 12:45

Tgt Ion: 74 Resp: 2662

Ion Ratio Lower Upper

74 100

45 81.9 44.8 134.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

2000 Ion 45.00 (44.70 to 45.70): VX0

1500

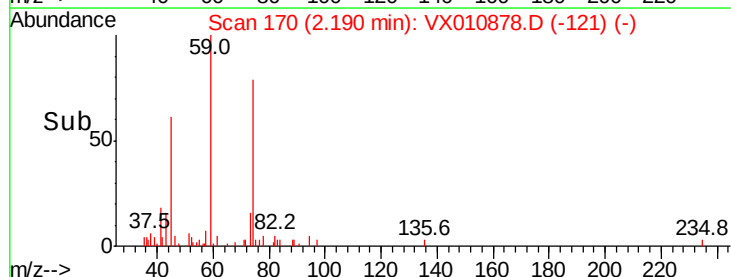
1000

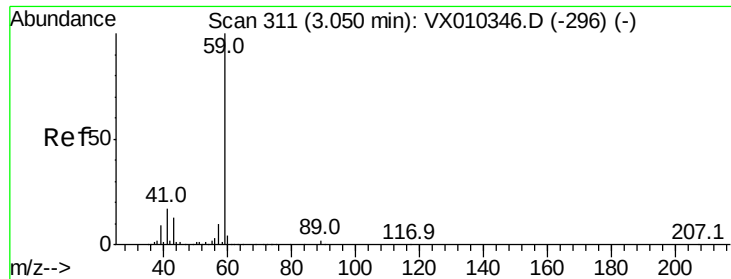
500

0

2.15 2.20 2.25

Time-->



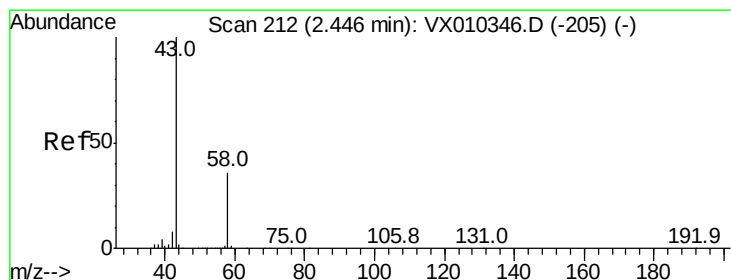
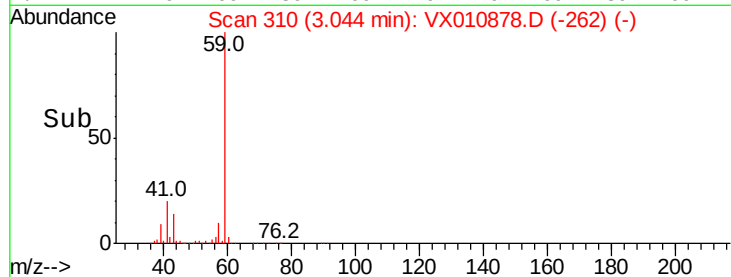
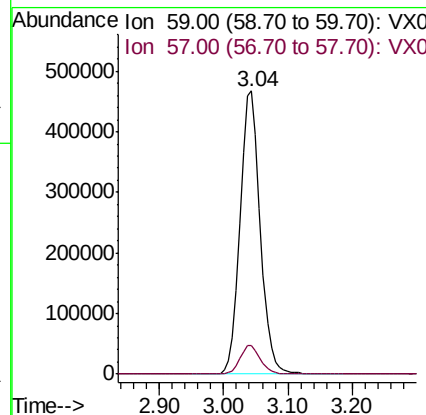
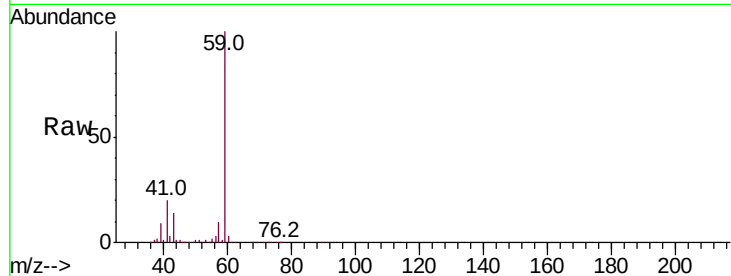


#11

Tert butyl alcohol
 Concen: 1760.140 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX010878.D
 Acq: 15 Jul 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 390711760.3-VOA

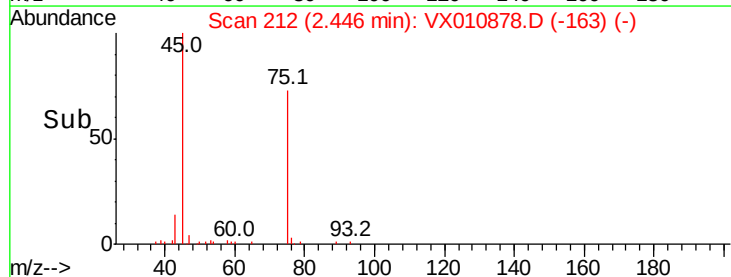
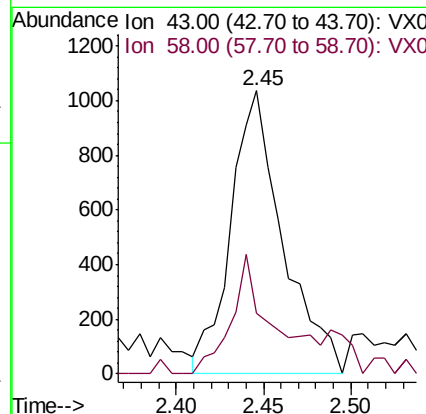
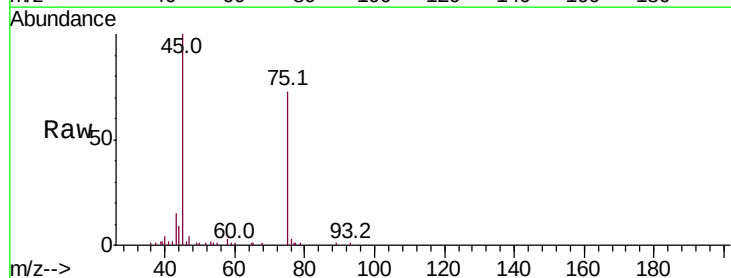
Tot Ion: 59 Resp: 1021791
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.7 11.5

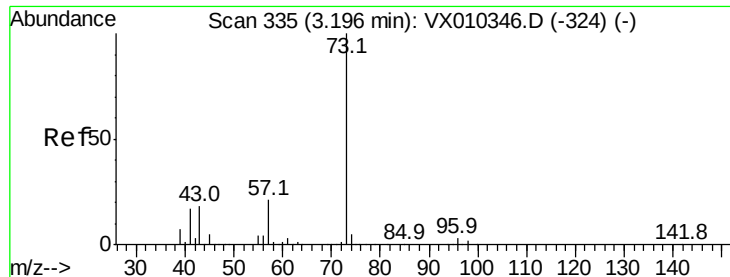


#16

Acetone
 Concen: 1.925 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX010878.D
 Acq: 15 Jul 2019 12:45

Tgt Ion: 43 Resp: 2140
 Ion Ratio Lower Upper
 43 100
 58 21.3 28.9 43.3#





#19

Methyl tert-butyl Ether

Concen: 1.488 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.01 min

Lab File: VX010878.D

Acq: 15 Jul 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

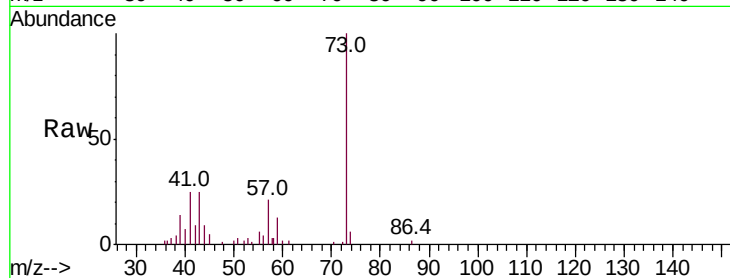
390711760.3-VOA

Tot Ion: 73 Resp: 9599

Ion Ratio Lower Upper

73 100

57 18.5 16.4 24.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

10000

8000

6000

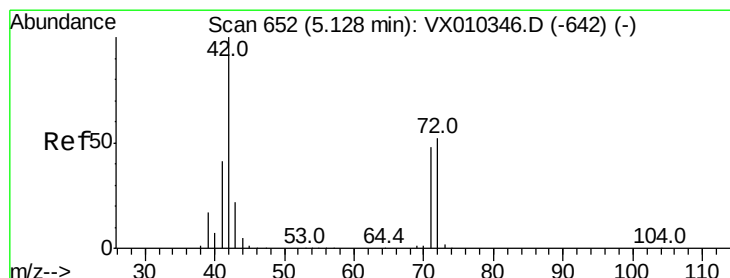
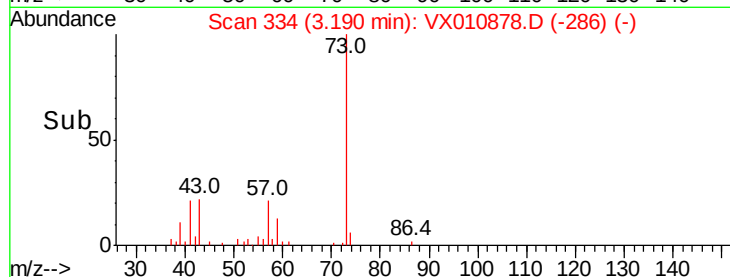
4000

2000

0

3.10 3.15 3.20 3.25 3.30

Time-->



#29

Tetrahydrofuran

Concen: 223.520 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010878.D

Acq: 15 Jul 2019 12:45

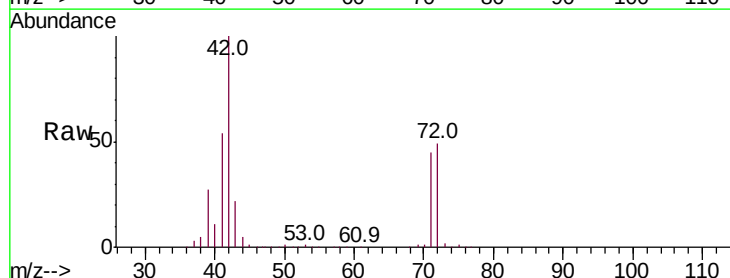
Tgt Ion: 42 Resp: 225806

Ion Ratio Lower Upper

42 100

72 49.6 40.6 60.8

71 46.2 37.8 56.8



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

100000

80000

60000

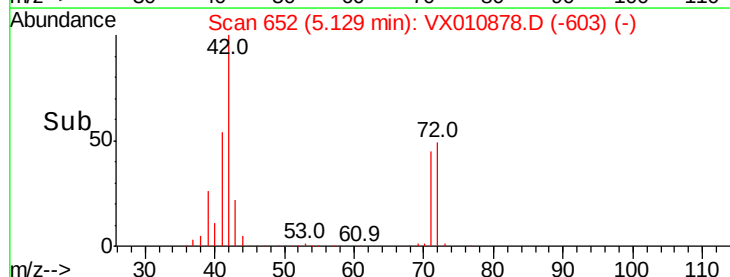
40000

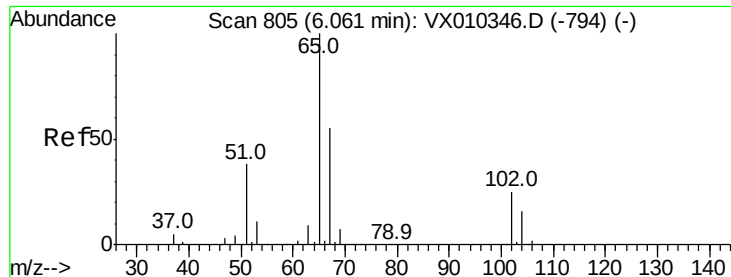
20000

0

5.00 5.10 5.20 5.30

Time-->





#33

1,2-Dichloroethane-d4

Concen: 55.901 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010878.D

Acq: 15 Jul 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

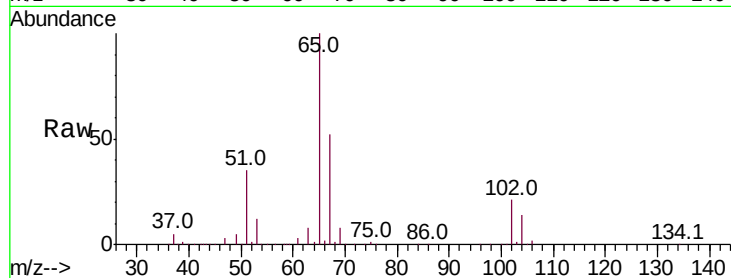
390711760.3-VOA

Tot Ion: 65 Resp: 124019

Ion Ratio Lower Upper

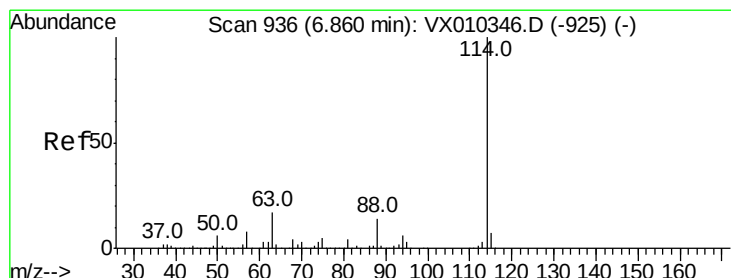
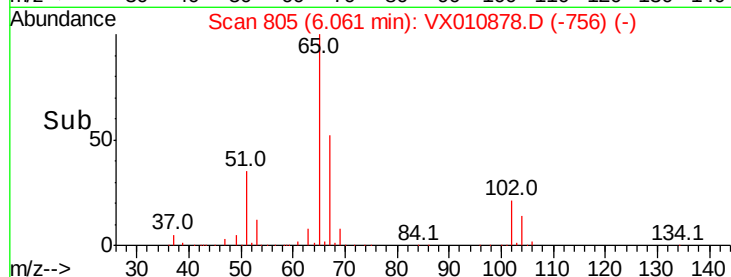
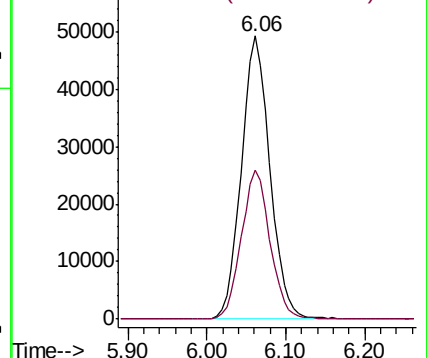
65 100

67 52.8 0.0 110.2



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010878.D

Acq: 15 Jul 2019 12:45

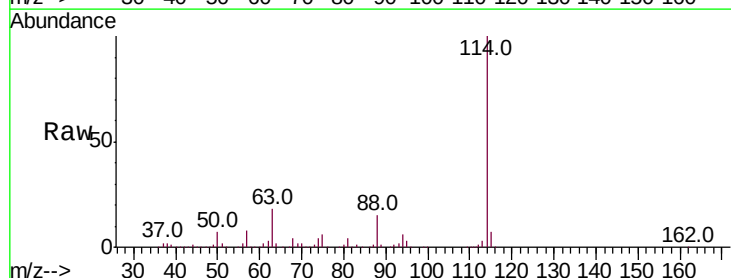
Tgt Ion: 114 Resp: 368469

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

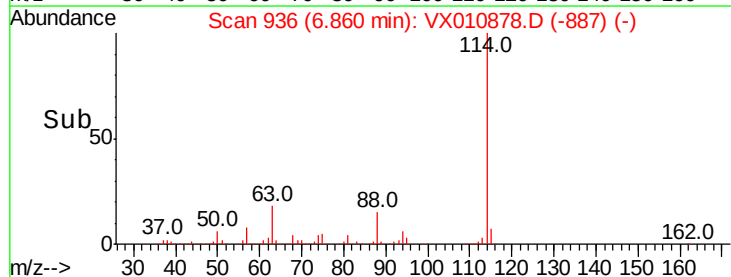
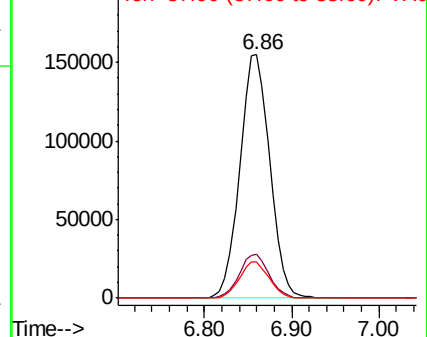
88 14.7 0.0 27.6

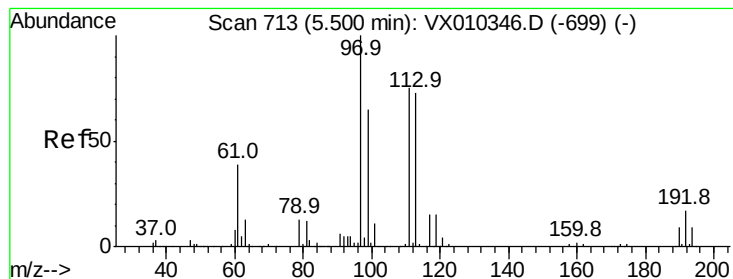


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.981 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010878.D

Acq: 15 Jul 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

390711760.3-VOA

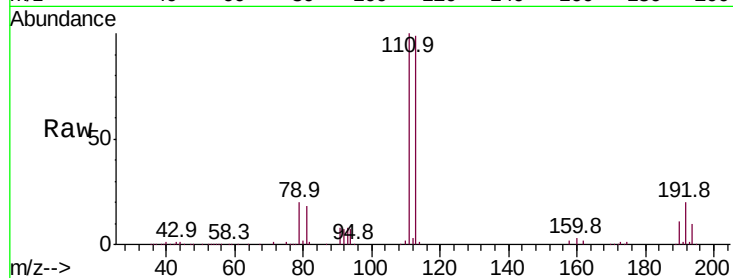
Tot Ion:113 Resp: 114934

Ion Ratio Lower Upper

113 100

111 102.0 81.2 121.8

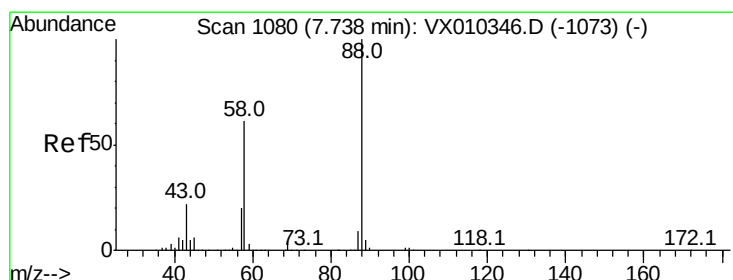
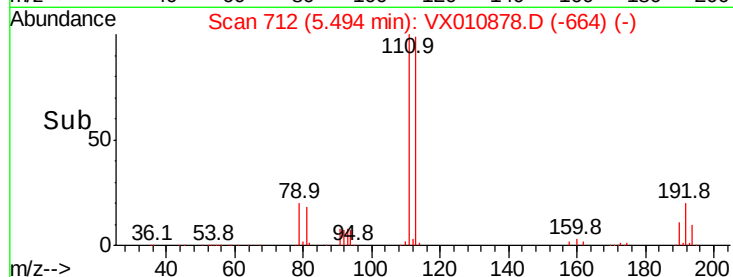
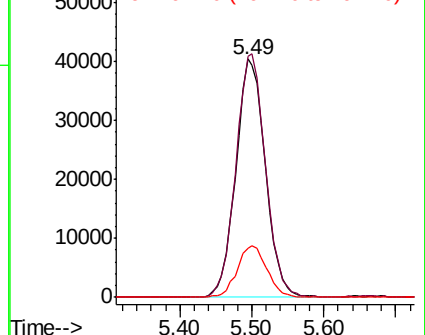
192 21.7 18.6 27.8



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



#49

1,4-Dioxane

Concen: 48.537 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX010878.D

Acq: 15 Jul 2019 12:45

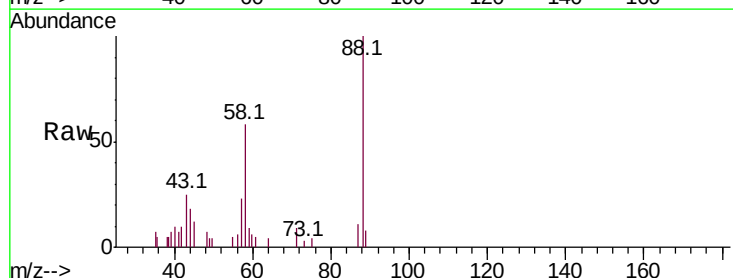
Tgt Ion: 88 Resp: 3239

Ion Ratio Lower Upper

88 100

43 25.7 20.2 30.2

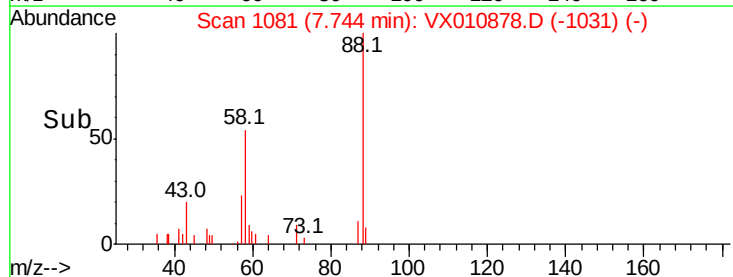
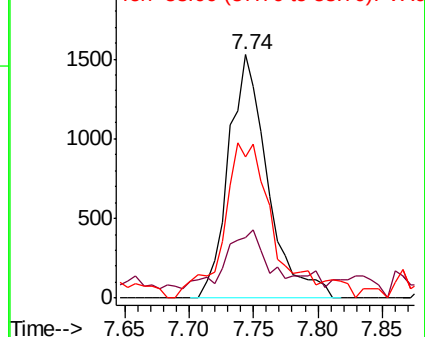
58 78.4 49.5 74.3#

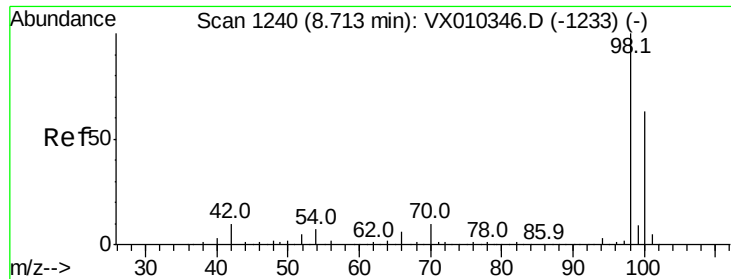


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.208 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010878.D

Acq: 15 Jul 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

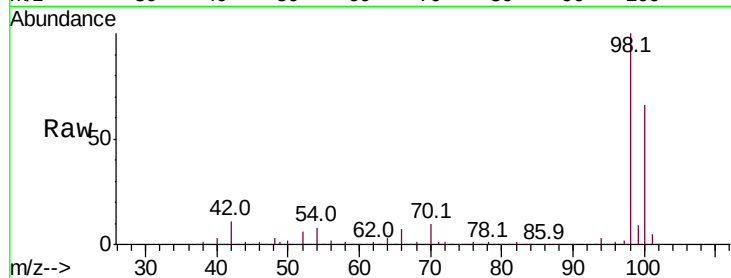
390711760.3-VOA

Tot Ion: 98 Resp: 441671

Ion Ratio Lower Upper

98 100

100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

300000

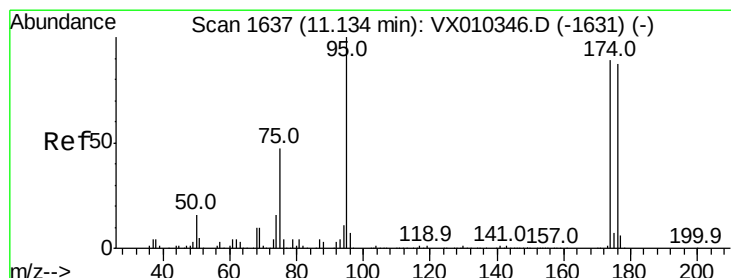
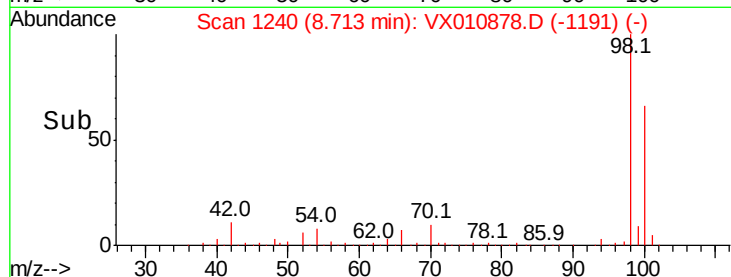
200000

100000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 50.556 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010878.D

Acq: 15 Jul 2019 12:45

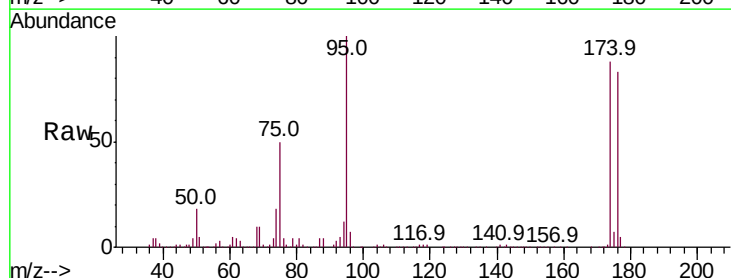
Tgt Ion: 95 Resp: 157426

Ion Ratio Lower Upper

95 100

174 92.6 0.0 187.6

176 88.1 0.0 184.0



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

11.13

150000

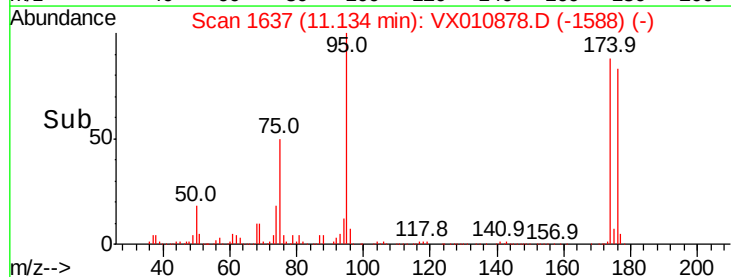
100000

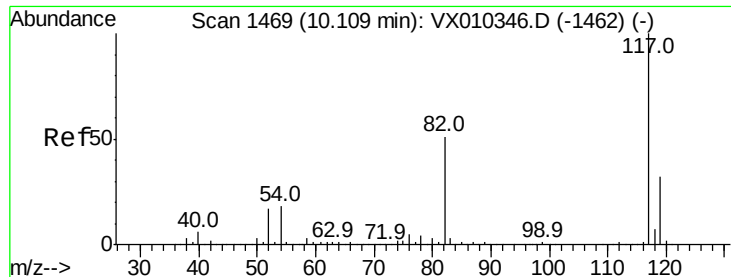
50000

0

11.10 11.20

Time-->

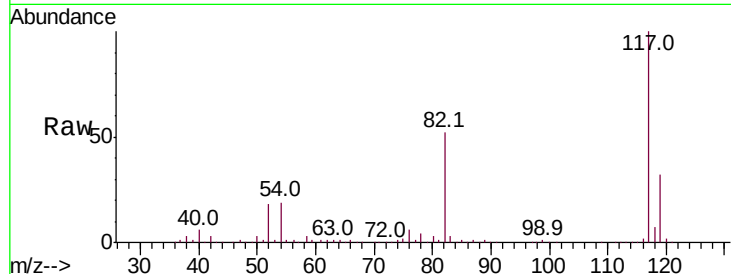




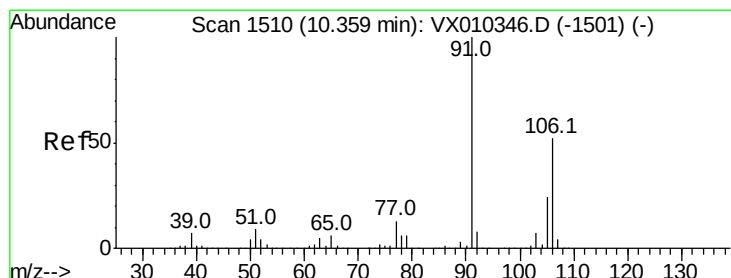
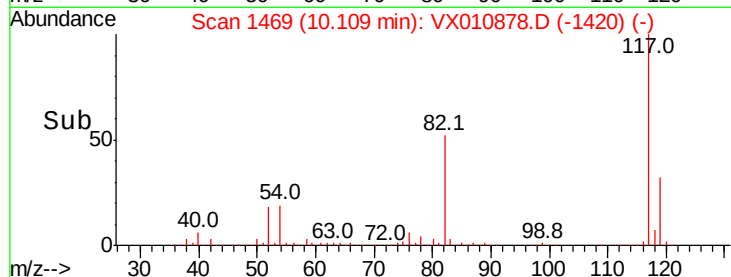
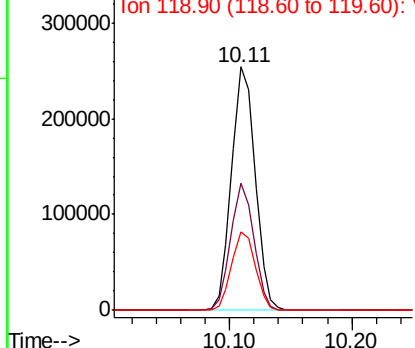
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
390711760.3-VOA

Tot Ion:117 Resp: 340070
Ion Ratio Lower Upper
117 100
82 52.5 41.2 61.8
119 32.2 25.5 38.3

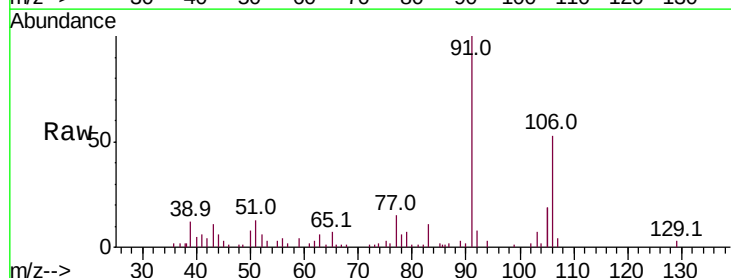


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

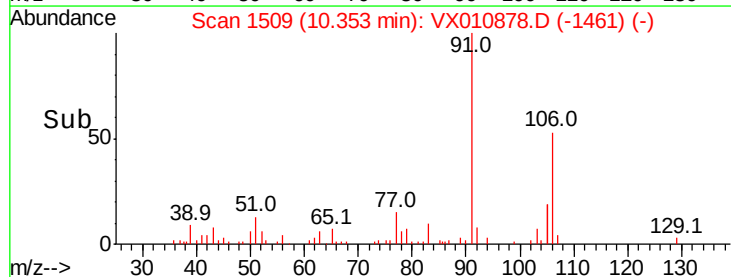
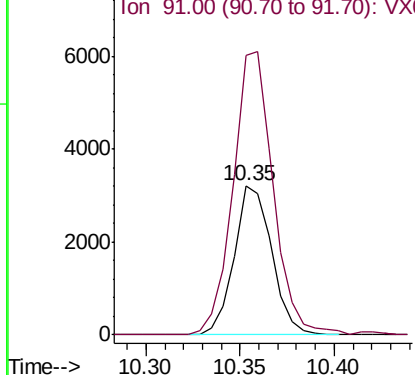


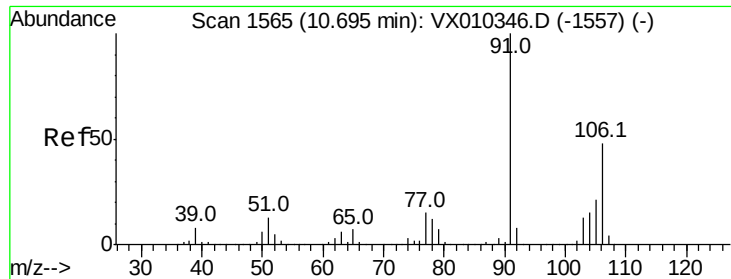
#68
m/p-Xylenes
Concen: 0.980 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

Tgt Ion:106 Resp: 4425
Ion Ratio Lower Upper
106 100
91 203.7 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

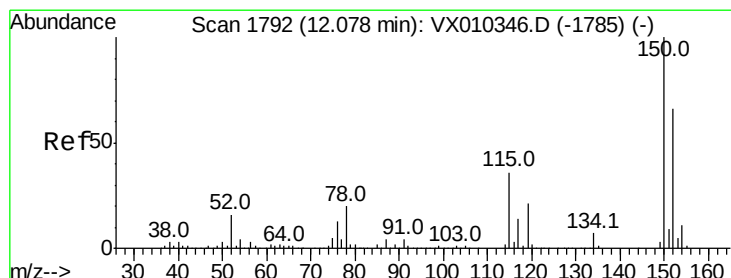
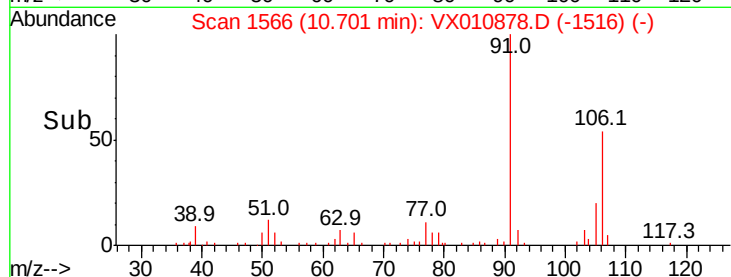
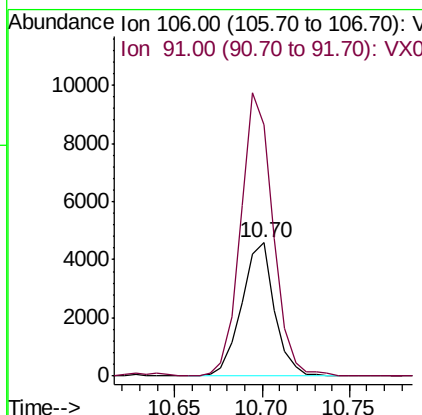
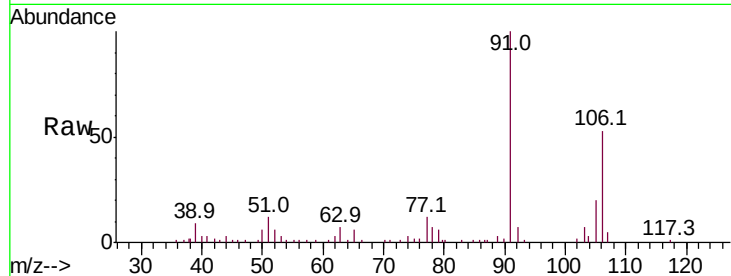




#69
o-Xylene
Concen: 1.350 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

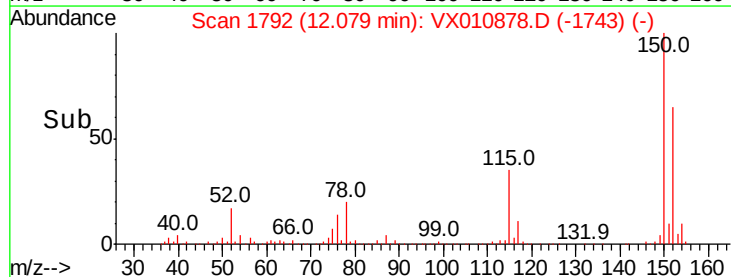
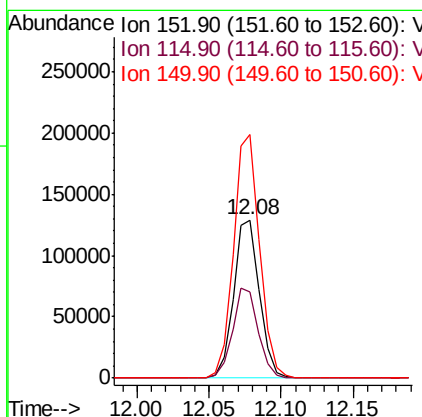
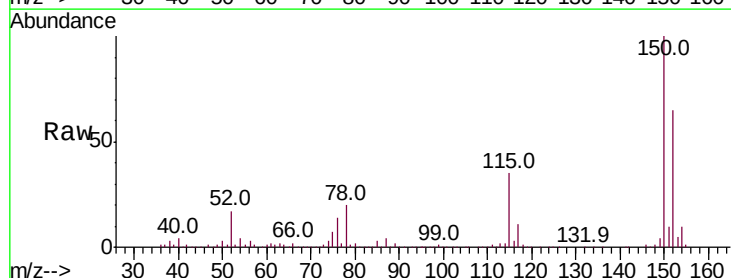
Instrument :
MSVOA_X
ClientSampleId :
390711760.3-VOA

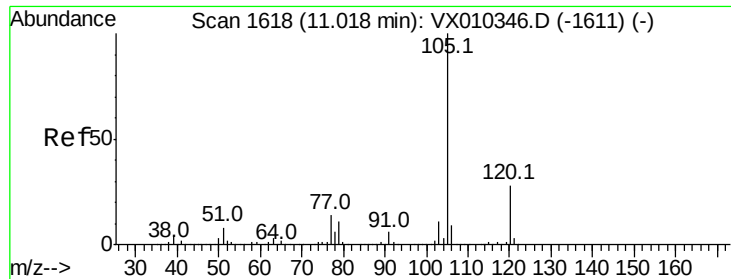
Tot Ion:106 Resp: 5995
Ion Ratio Lower Upper
106 100
91 208.0 102.7 308.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010878.D
Acq: 15 Jul 2019 12:45

Tgt Ion:152 Resp: 161489
Ion Ratio Lower Upper
152 100
115 56.2 38.6 115.7
150 155.7 0.0 347.4





#73

Isopropylbenzene

Concen: 0.347 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010878.D

Acq: 15 Jul 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

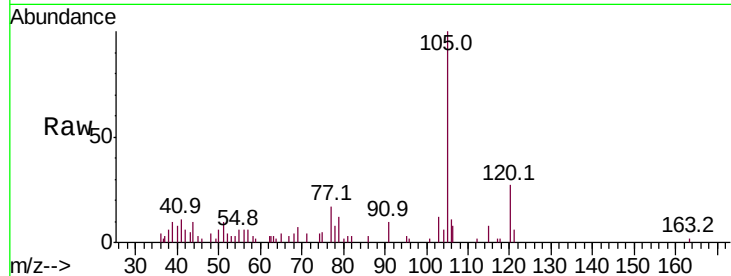
390711760.3-VOA

Tot Ion:105 Resp: 3802

Ion Ratio Lower Upper

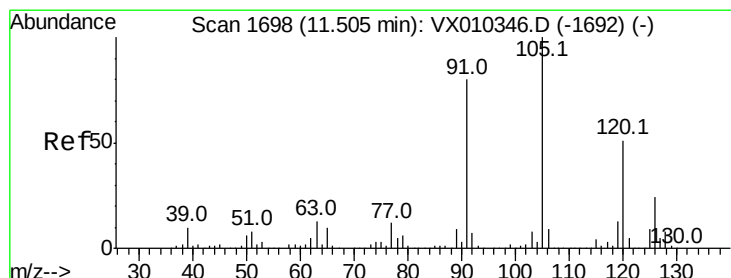
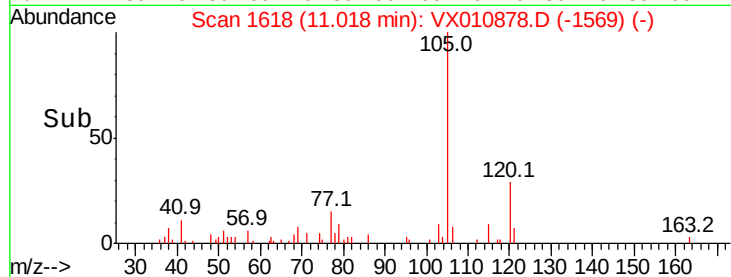
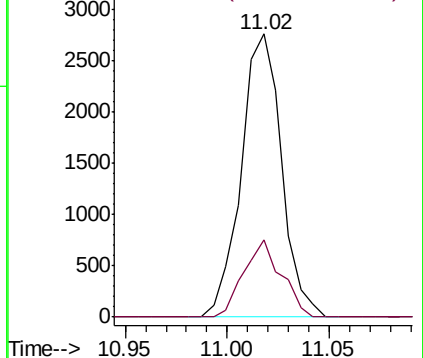
105 100

120 25.3 14.1 42.4



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: 0.338 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010878.D

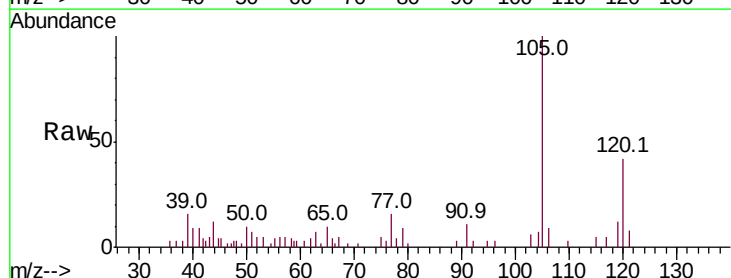
Acq: 15 Jul 2019 12:45

Tgt Ion:105 Resp: 3054

Ion Ratio Lower Upper

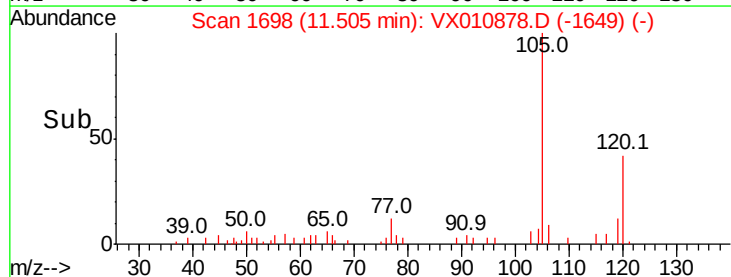
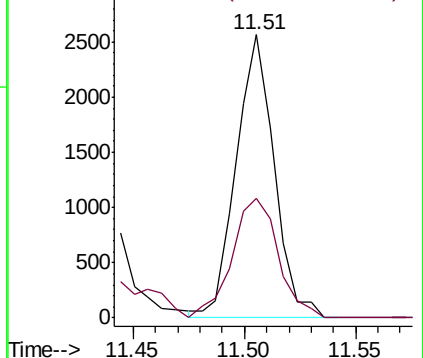
105 100

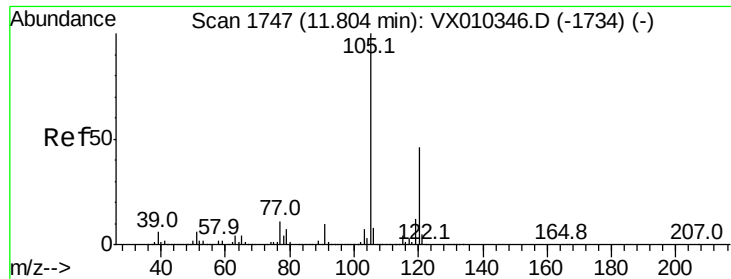
120 51.5 25.2 75.6



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: 0.360 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010878.D

Acq: 15 Jul 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

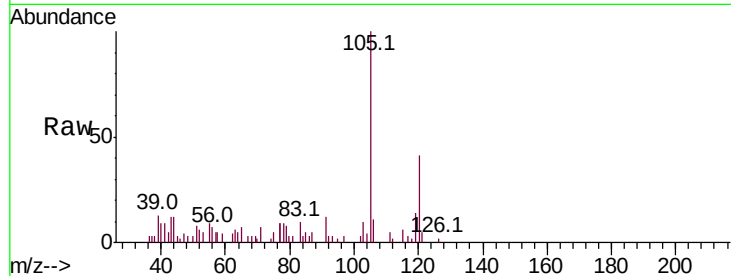
390711760.3-VOA

Tot Ion:105 Resp: 3268

Ion Ratio Lower Upper

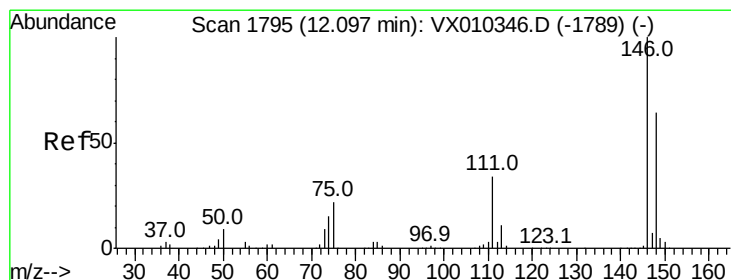
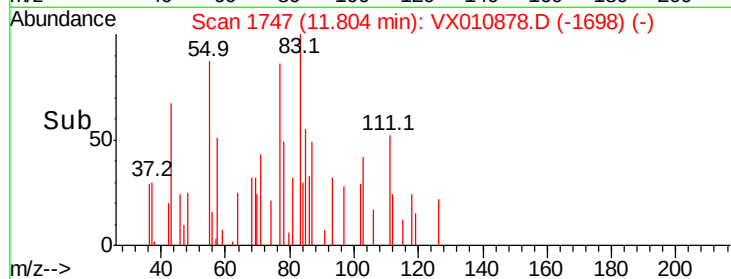
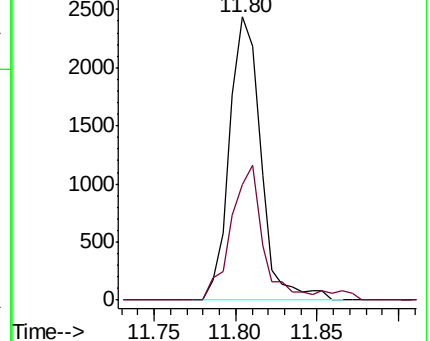
105 100

120 48.2 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#88

1,4-Dichlorobenzene

Concen: 2.185 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010878.D

Acq: 15 Jul 2019 12:45

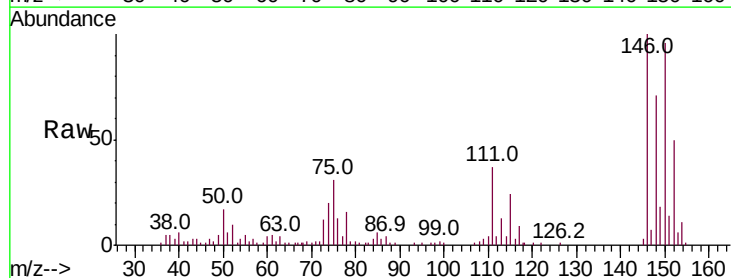
Tgt Ion:146 Resp: 11871

Ion Ratio Lower Upper

146 100

111 55.4 18.1 54.3#

148 72.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

