

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013478.D
 Acq On : 20 Nov 2019 15:35
 Operator : JC/SP
 Sample : K5958-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1DL

Quant Time: Nov 21 03:06:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	653229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1064959	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	952177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	489640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	388600	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	5.48	113	314779	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
50) Toluene-d8	8.71	98	1264795	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	11.14	95	459768	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds

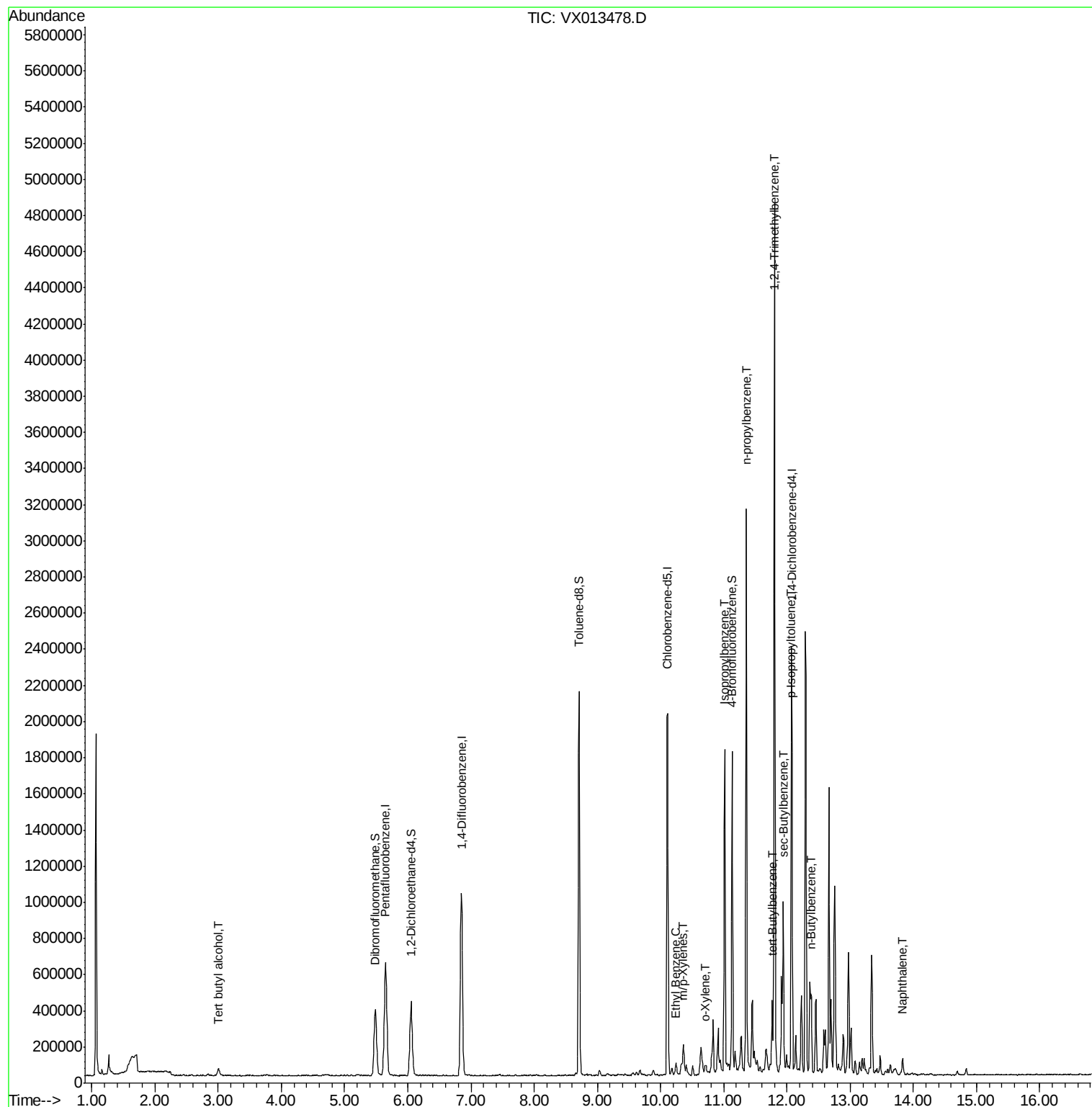
	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	27210	13.340	ug/l #	82
67) Ethyl Benzene	10.25	91	34491	1.037	ug/l	98
68) m/p-Xylenes	10.35	106	27701	2.202	ug/l	97
69) o-Xylene	10.70	106	3322	0.270	ug/l	79
73) Isopropylbenzene	11.01	105	918099	28.281	ug/l	100
78) n-propylbenzene	11.35	91	1871249	51.745	ug/l	100
83) tert-Butylbenzene	11.76	119	103148	3.789	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	2156285	79.492	ug/l	96
85) sec-Butylbenzene	11.94	105	490225	15.670	ug/l	98
86) p-Isopropyltoluene	12.06	119	41975	1.457	ug/l	93
89) n-Butylbenzene	12.39	91	195140	7.763	ug/l #	81
95) Naphthalene	13.83	128	58491	1.733	ug/l #	93

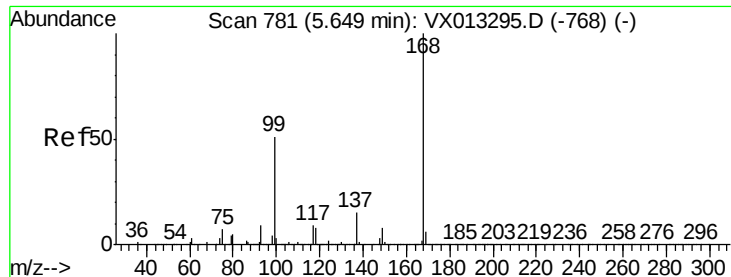
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112019\
Data File : VX013478.D
Acq On : 20 Nov 2019 15:35
Operator : JC/SP
Sample : K5958-01DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1DL

Quant Time: Nov 21 03:06:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration



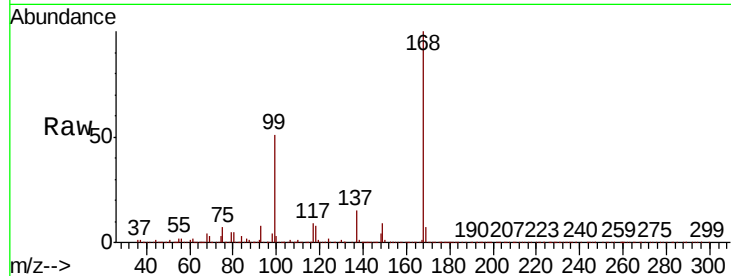


#1

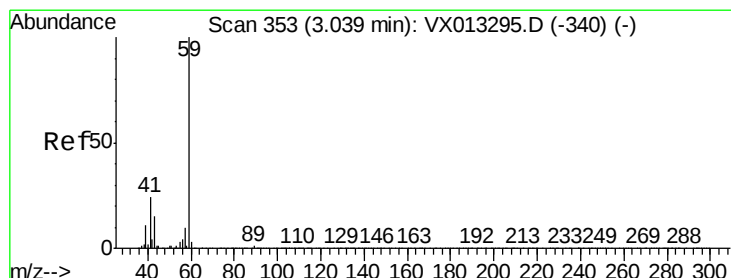
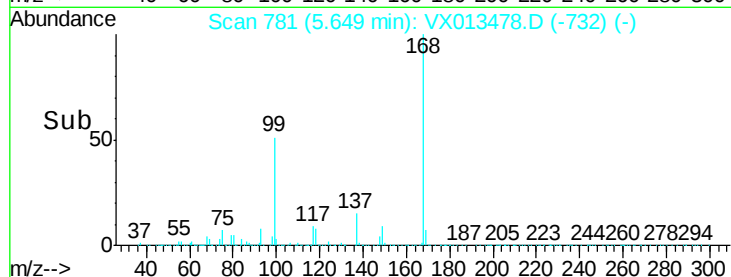
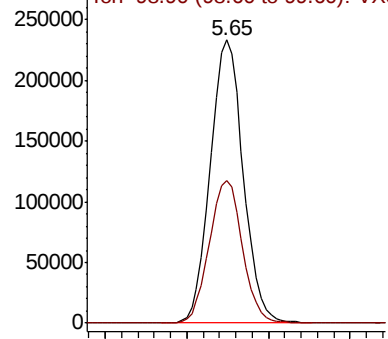
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: VX013478.D
 Acq: 20 Nov 2019 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1DL

Tot Ion:168 Resp: 653229
 Ion Ratio Lower Upper
 168 100
 99 50.4 40.8 61.2



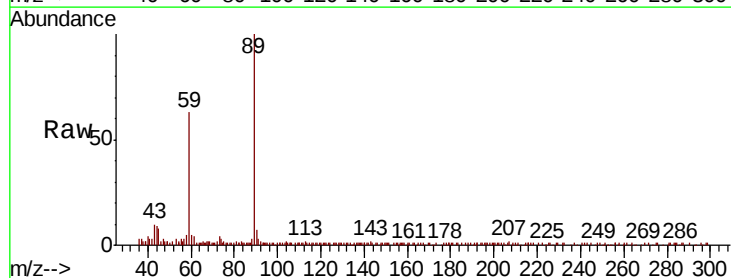
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



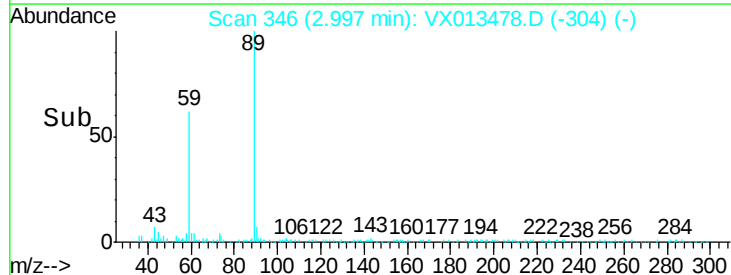
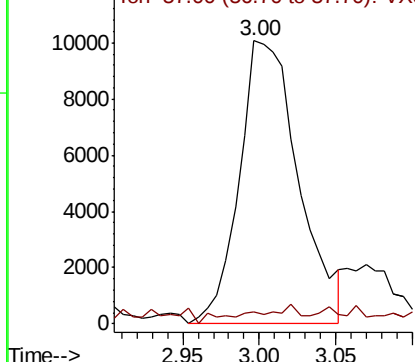
#11

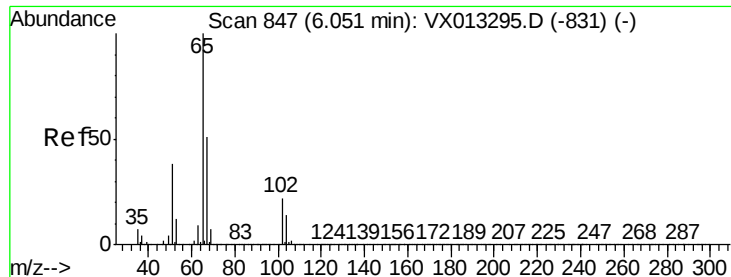
Tert butyl alcohol
 Concen: 13.340 ug/l
 RT: 3.00 min Scan# 346
 Delta R.T. -0.04 min
 Lab File: VX013478.D
 Acq: 20 Nov 2019 15:35

Tgt Ion: 59 Resp: 27210
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.214 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013478.D

Acq: 20 Nov 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

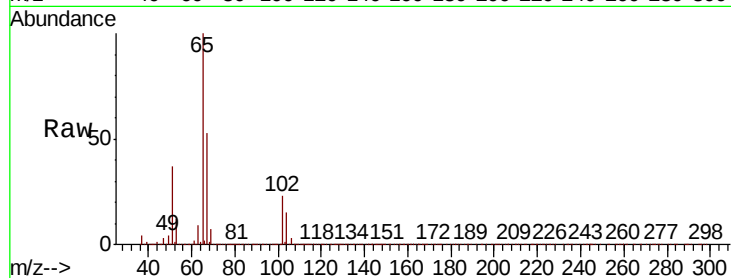
MW-1DL

Tot Ion: 65 Resp: 388600

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

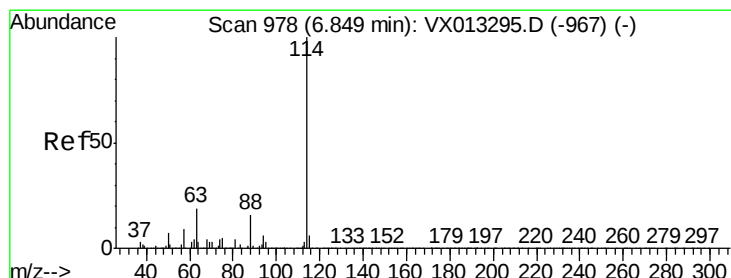
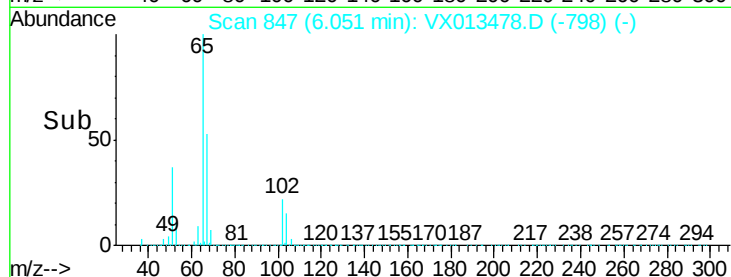
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013478.D

Acq: 20 Nov 2019 15:35

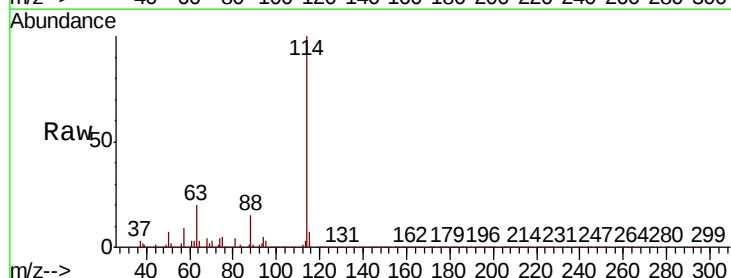
Tgt Ion: 114 Resp: 1064959

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

88 14.8 0.0 32.2



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

600000

500000

400000

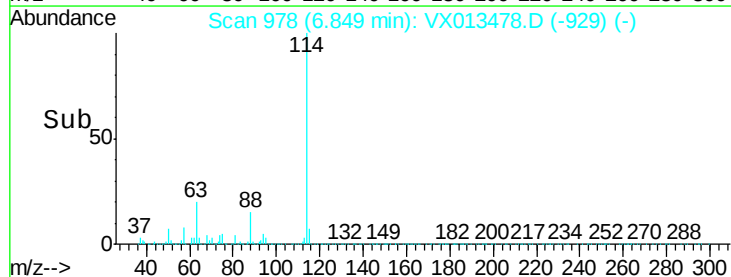
300000

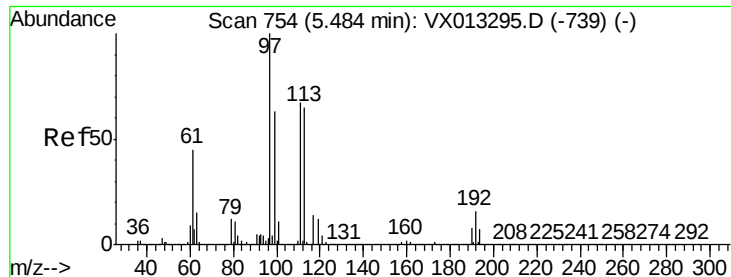
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.126 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013478.D

Acq: 20 Nov 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

MW-1DL

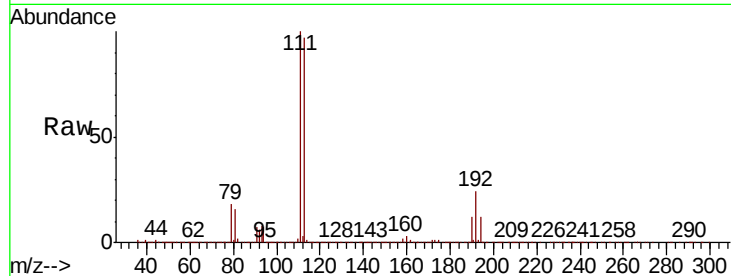
Tot Ion:113 Resp: 314779

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

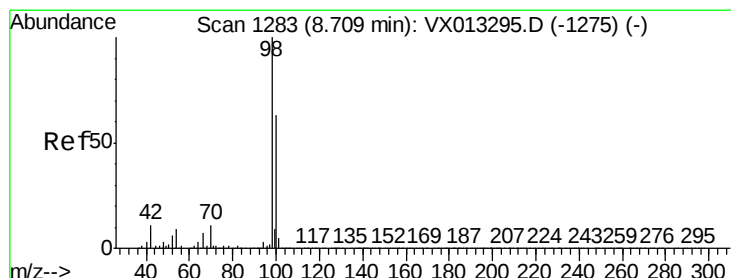
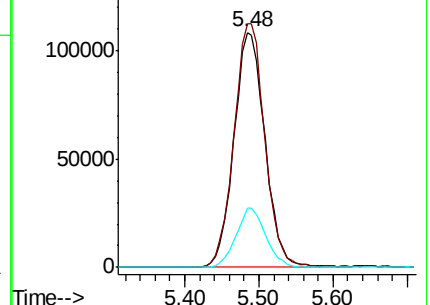
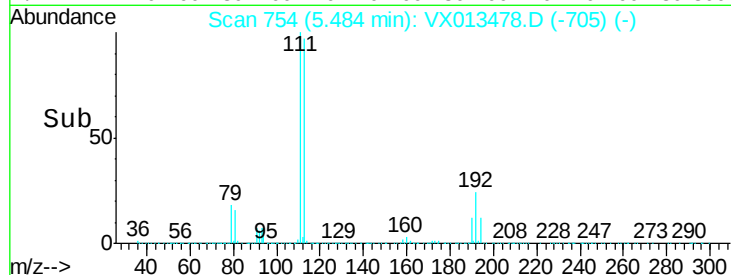
192 24.3 19.1 28.7



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: 50.228 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013478.D

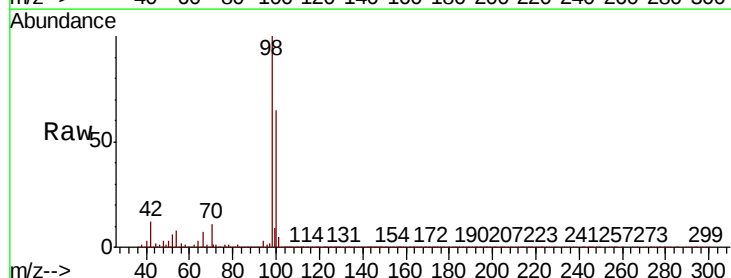
Acq: 20 Nov 2019 15:35

Tgt Ion: 98 Resp: 1264795

Ion Ratio Lower Upper

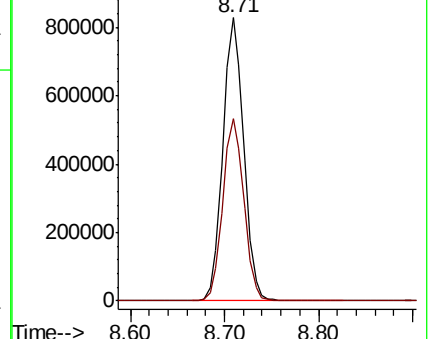
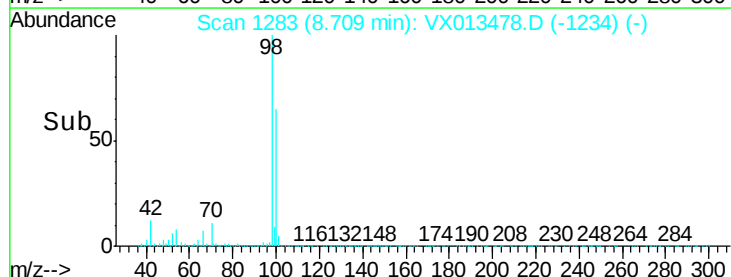
98 100

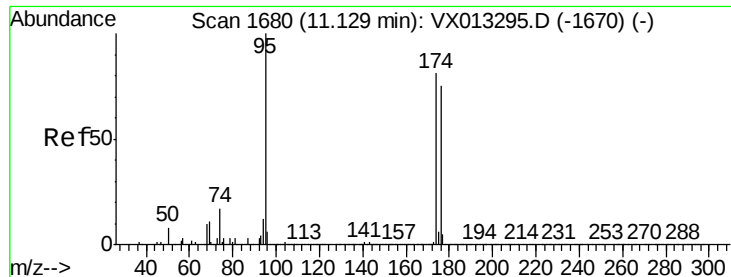
100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 50.590 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013478.D

Acq: 20 Nov 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

MW-1DL

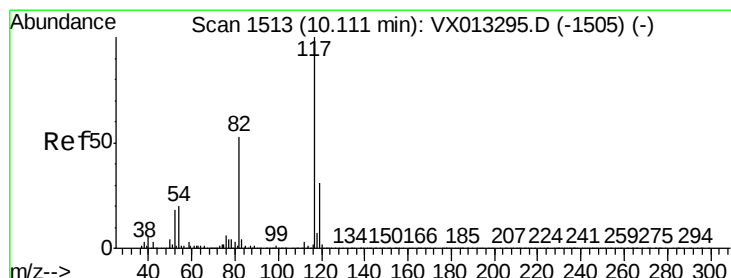
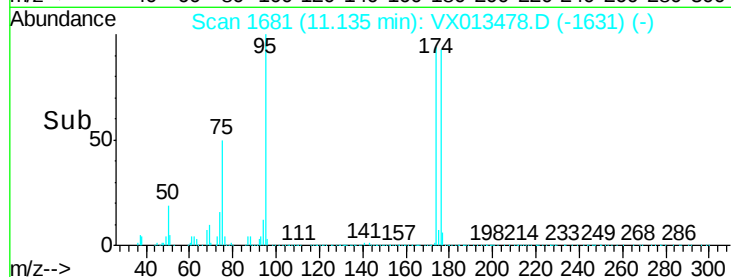
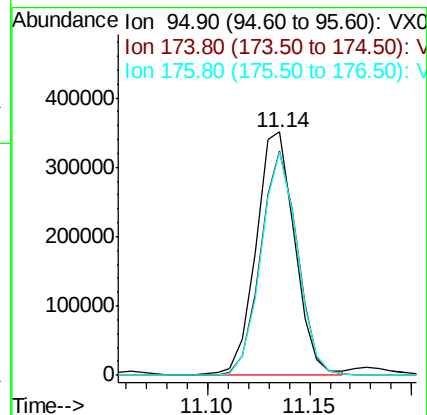
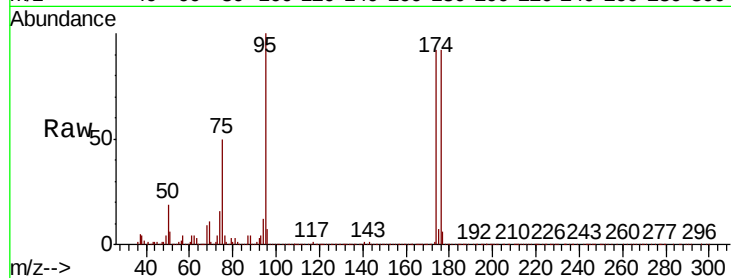
Tot Ion: 95 Resp: 459768

Ion Ratio Lower Upper

95 100

174 88.5 0.0 179.8

176 87.5 0.0 173.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013478.D

Acq: 20 Nov 2019 15:35

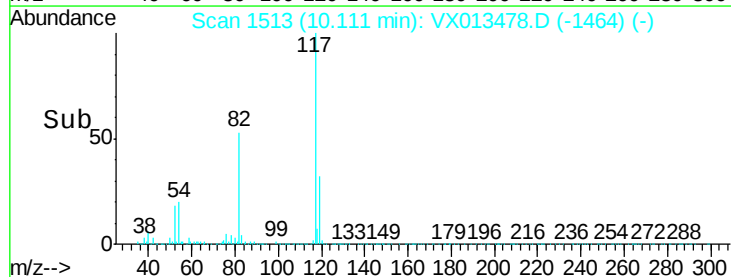
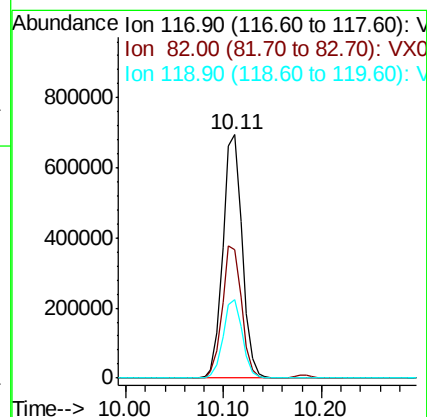
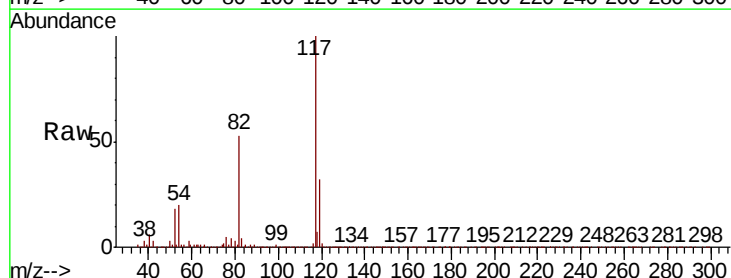
Tgt Ion: 117 Resp: 952177

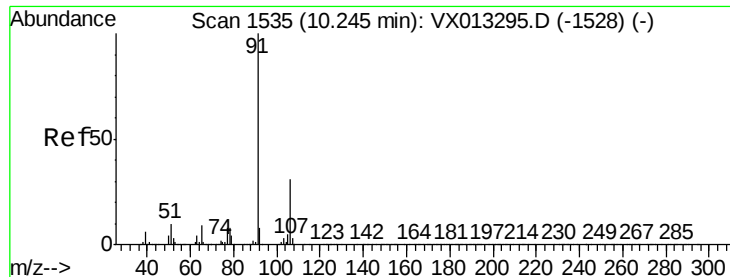
Ion Ratio Lower Upper

117 100

82 52.8 42.6 64.0

119 32.3 24.8 37.2





#67

Ethyl Benzene

Concen: 1.037 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013478.D

Acq: 20 Nov 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

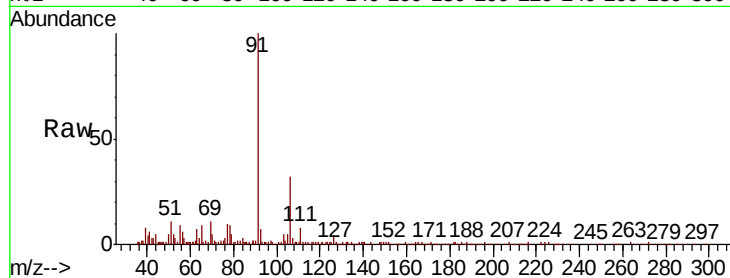
MW-1DL

Tot Ion: 91 Resp: 34491

Ion Ratio Lower Upper

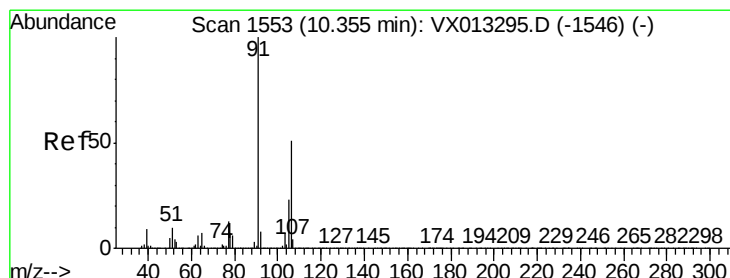
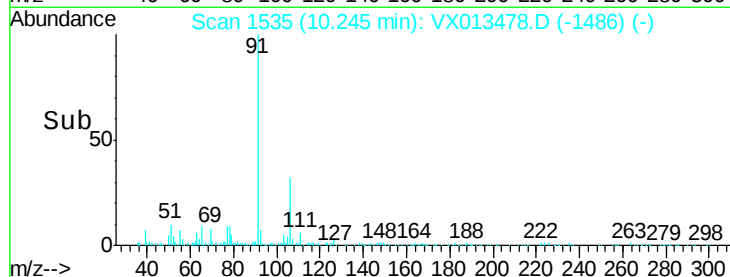
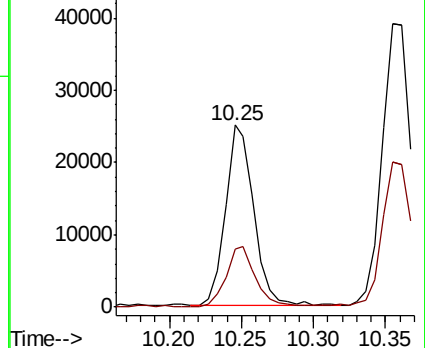
91 100

106 31.6 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 2.202 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013478.D

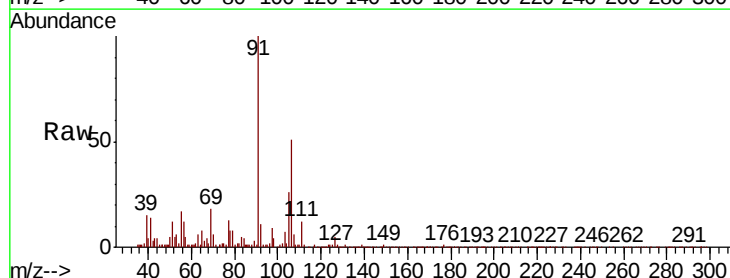
Acq: 20 Nov 2019 15:35

Tgt Ion: 106 Resp: 27701

Ion Ratio Lower Upper

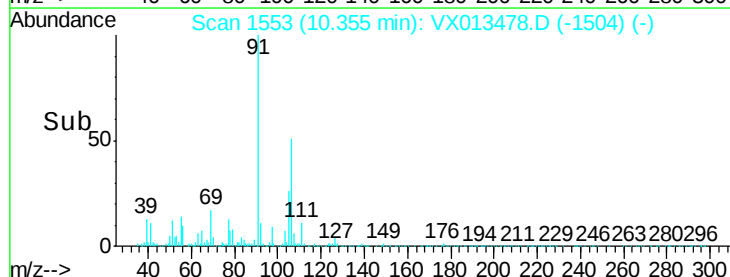
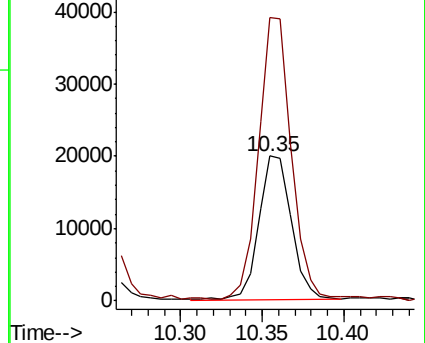
106 100

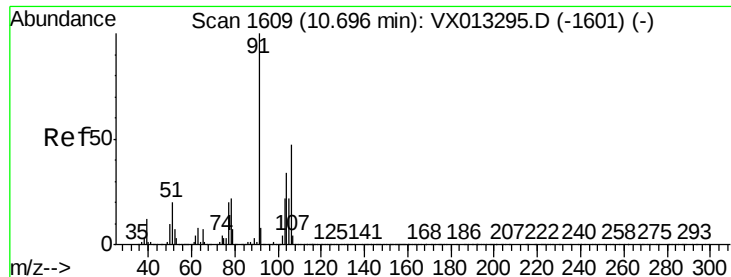
91 194.2 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

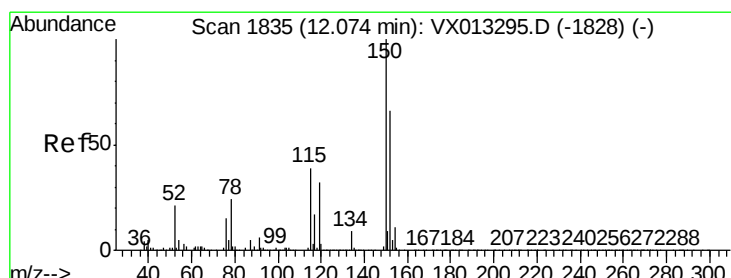
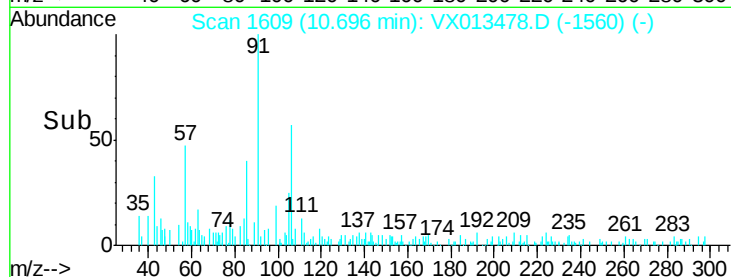
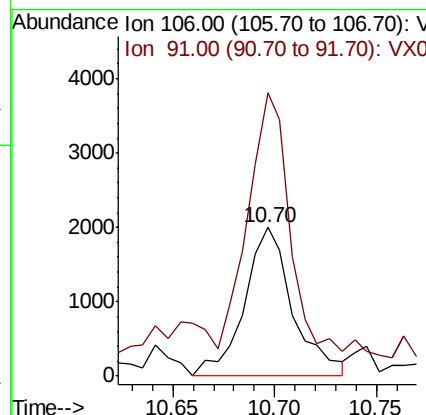
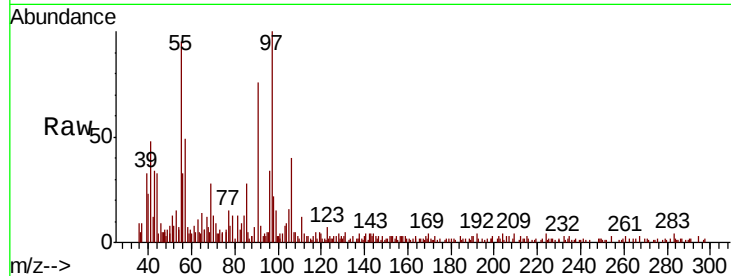




#69
o-Xylene
Concen: 0.270 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013478.D
Acq: 20 Nov 2019 15:35

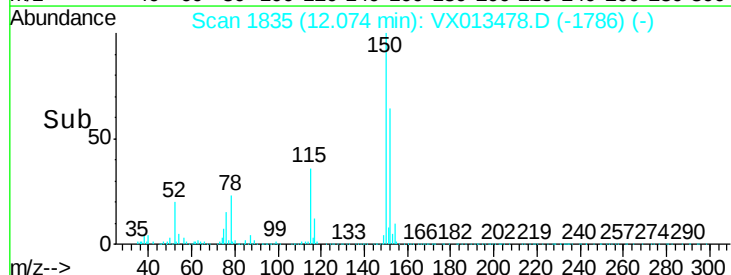
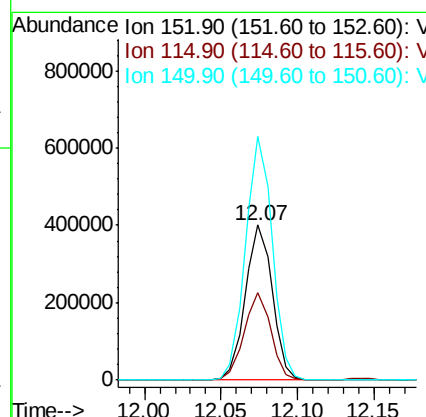
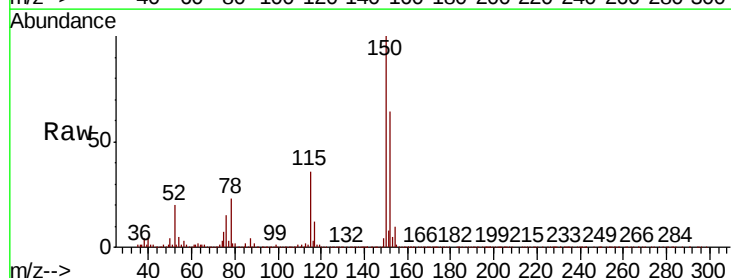
Instrument :
MSVOA_X
ClientSampleId :
MW-1DL

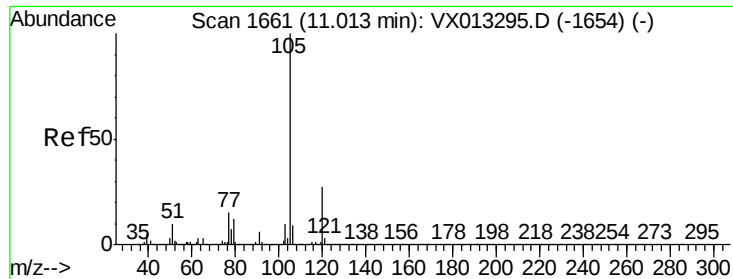
Tot Ion:106 Resp: 3322
Ion Ratio Lower Upper
106 100
91 179.0 105.7 317.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013478.D
Acq: 20 Nov 2019 15:35

Tgt Ion:152 Resp: 489640
Ion Ratio Lower Upper
152 100
115 56.2 39.5 118.3
150 156.0 0.0 344.4





#73

Isopropylbenzene

Concen: 28.281 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013478.D

Acq: 20 Nov 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

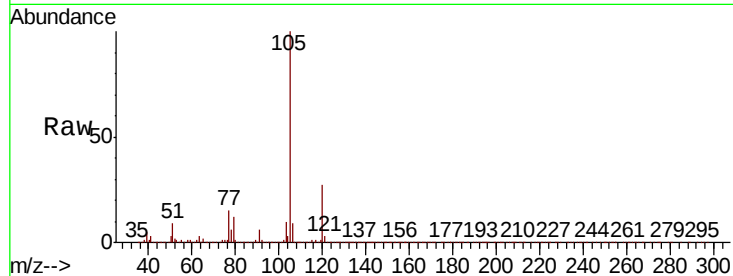
MW-1DL

Tot Ion:105 Resp: 918099

Ion Ratio Lower Upper

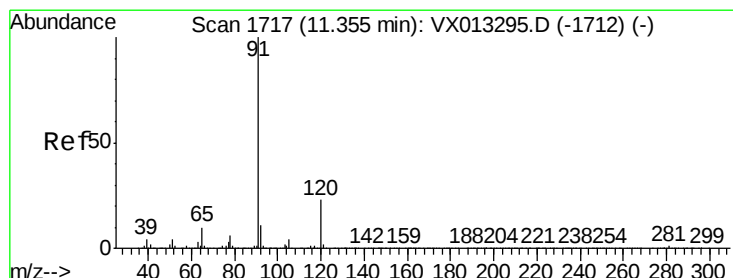
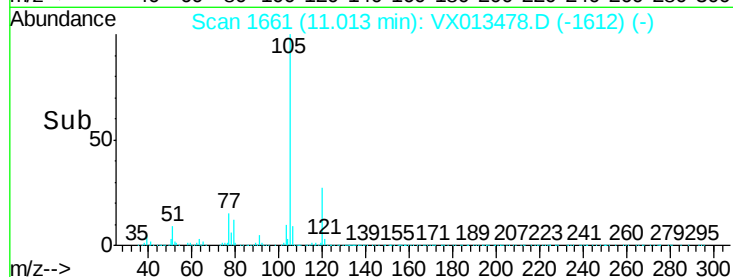
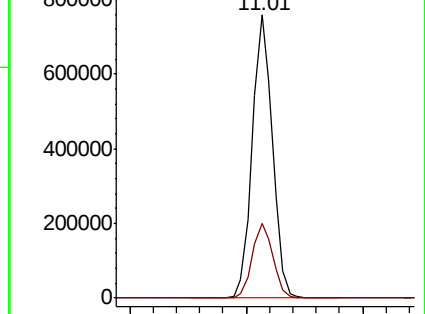
105 100

120 27.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 51.745 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013478.D

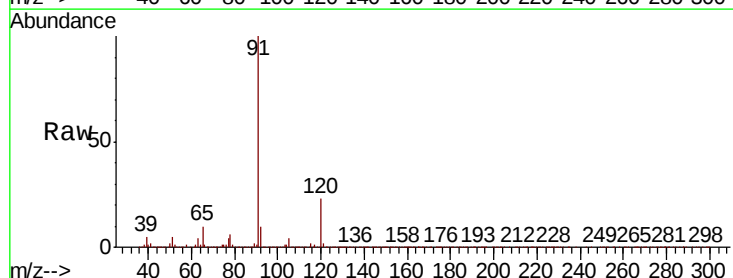
Acq: 20 Nov 2019 15:35

Tgt Ion: 91 Resp: 1871249

Ion Ratio Lower Upper

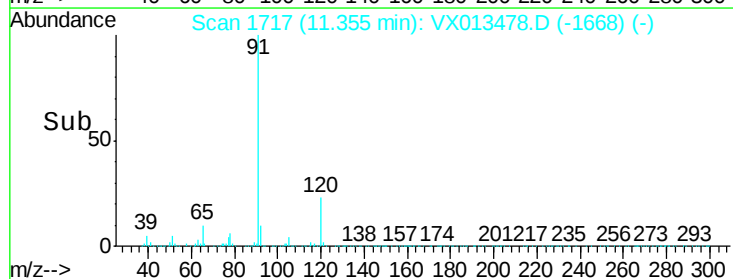
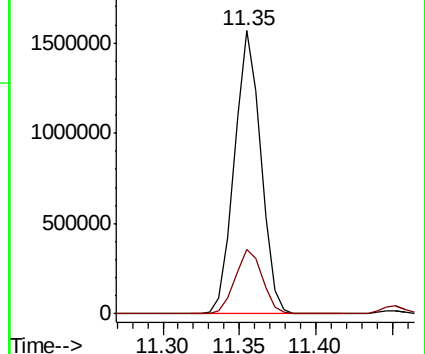
91 100

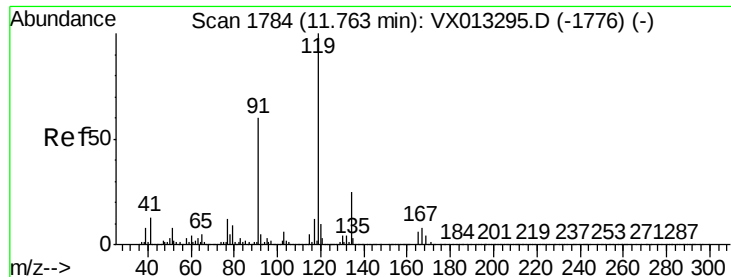
120 23.3 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 3.789 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX013478.D

Acq: 20 Nov 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

MW-1DL

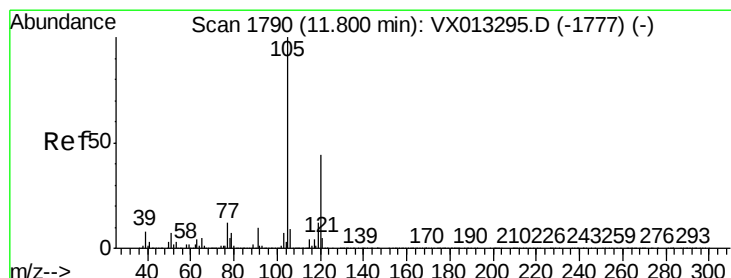
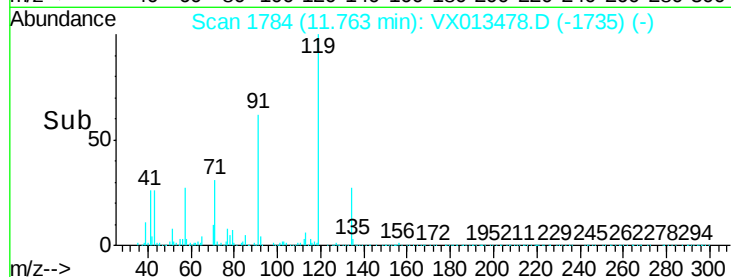
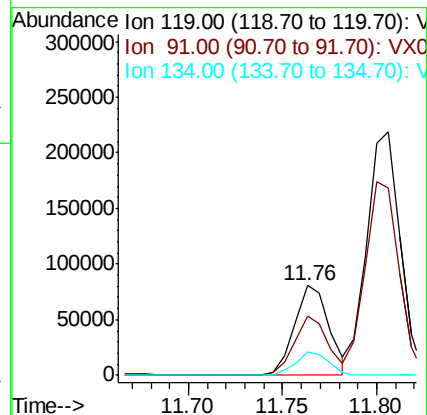
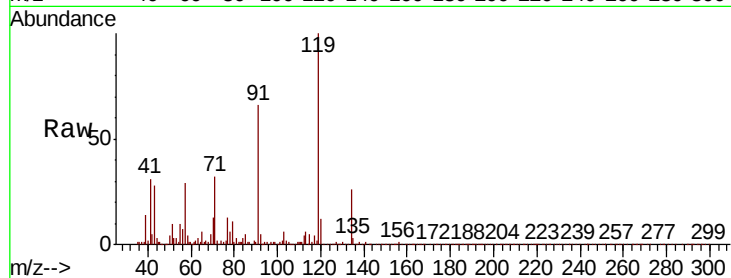
Tot Ion:119 Resp: 103148

Ion Ratio Lower Upper

119 100

91 63.5 26.9 80.7

134 24.9 11.7 35.1



#84

1,2,4-Trimethylbenzene

Concen: 79.492 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013478.D

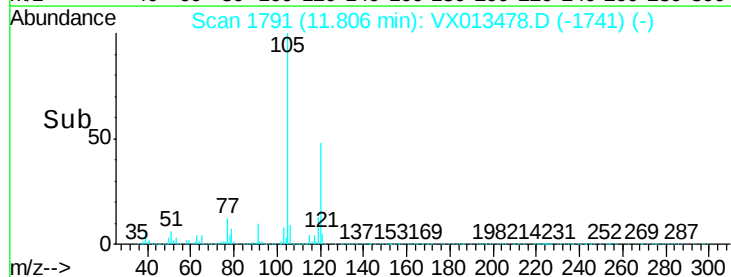
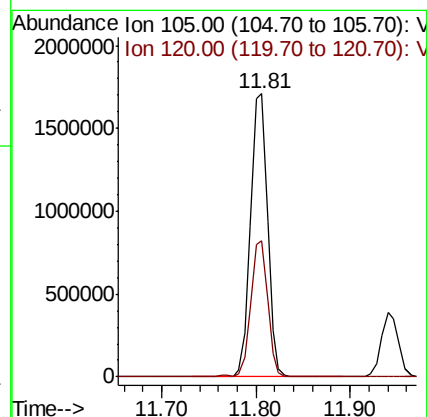
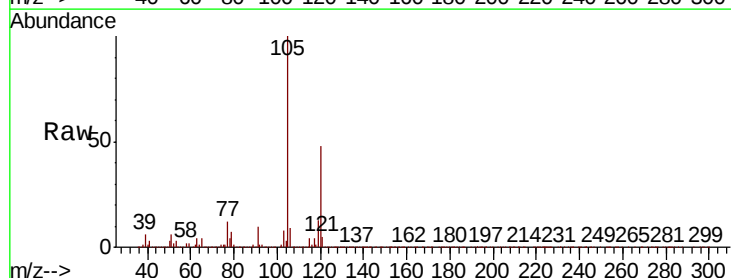
Acq: 20 Nov 2019 15:35

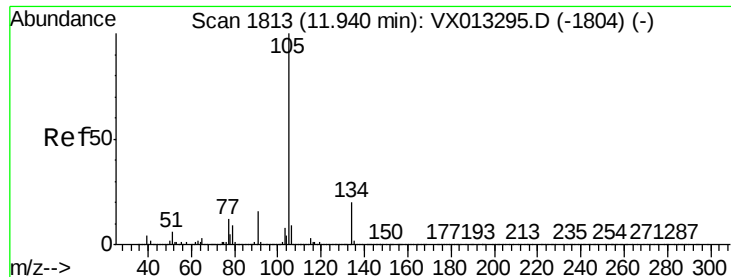
Tgt Ion:105 Resp: 2156285

Ion Ratio Lower Upper

105 100

120 47.9 22.7 68.1





#85

sec-Butylbenzene

Concen: 15.670 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013478.D

Acq: 20 Nov 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

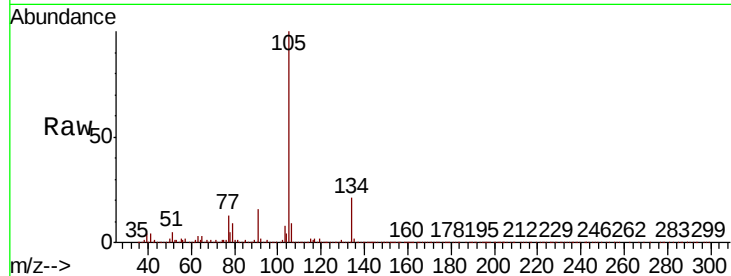
MW-1DL

Tot Ion:105 Resp: 490225

Ion Ratio Lower Upper

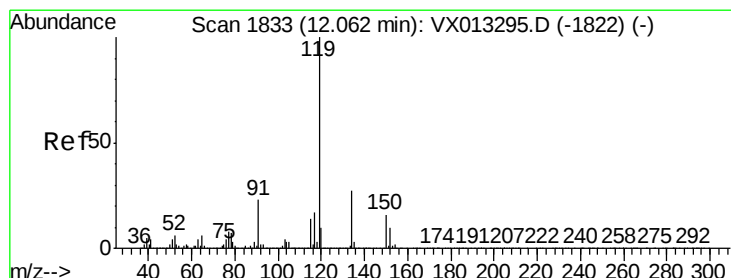
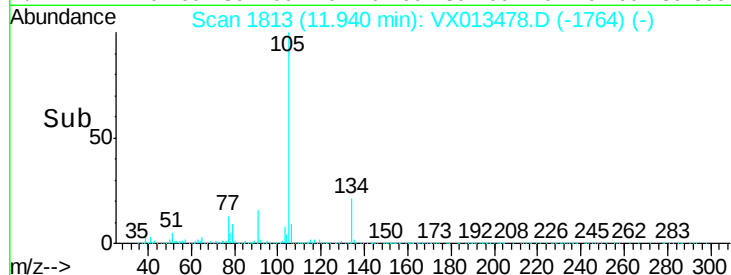
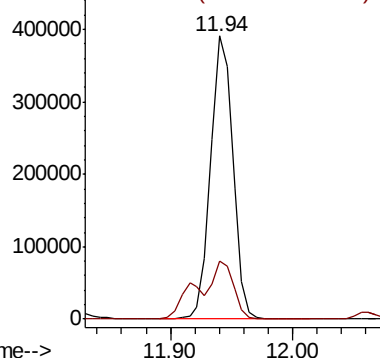
105 100

134 19.4 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.457 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013478.D

Acq: 20 Nov 2019 15:35

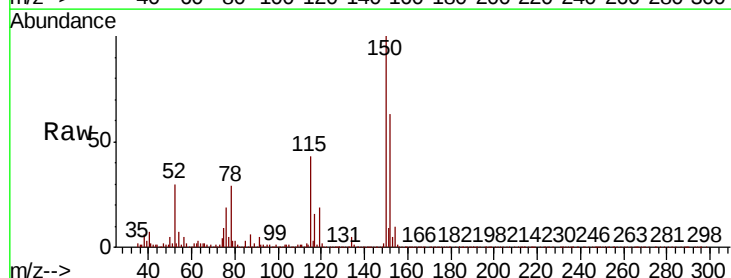
Tgt Ion:119 Resp: 41975

Ion Ratio Lower Upper

119 100

134 29.7 13.3 39.8

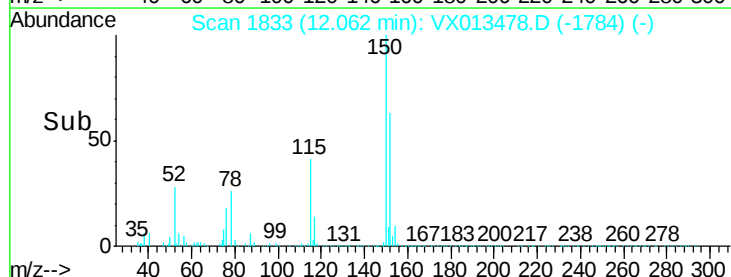
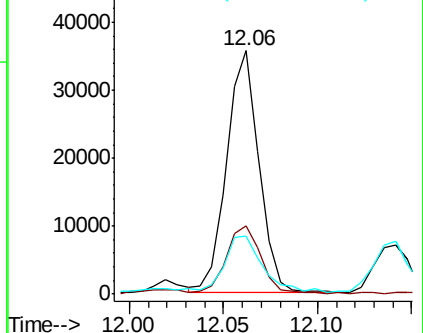
91 27.2 11.5 34.4

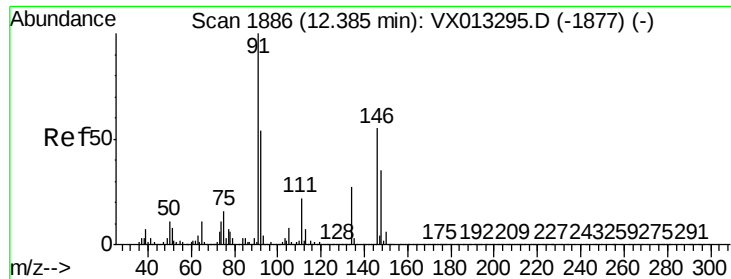


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

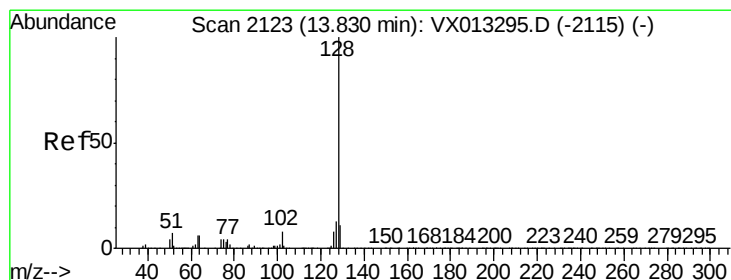
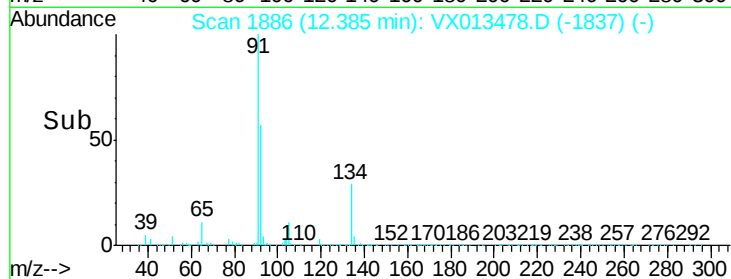
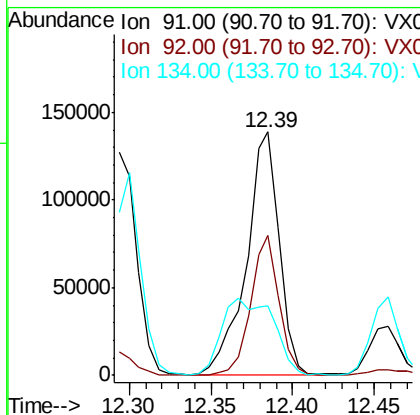
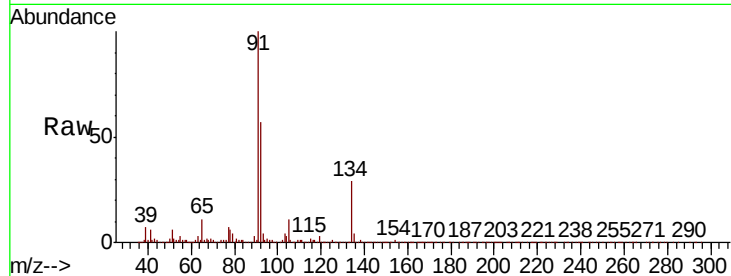




#89
n-Butylbenzene
Concen: 7.763 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013478.D
Acq: 20 Nov 2019 15:35

Instrument :
MSVOA_X
ClientSampled :
MW-1DL

Tot Ion: 91 Resp: 195140
Ion Ratio Lower Upper
91 100
92 49.6 27.3 81.8
134 49.6 13.5 40.5#



#95
Naphthalene
Concen: 1.733 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013478.D
Acq: 20 Nov 2019 15:35

Tgt Ion: 128 Resp: 58491
Ion Ratio Lower Upper
128 100
127 14.9 10.2 15.2
129 13.6 8.5 12.7#

