

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013479.D
 Acq On : 20 Nov 2019 15:58
 Operator : JC/SP
 Sample : K5958-02DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

Quant Time: Nov 21 03:21:04 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	711190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1153052	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1032460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	482927	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	414642	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	5.49	113	348552	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
50) Toluene-d8	8.71	98	1370905	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.13	95	486322	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	

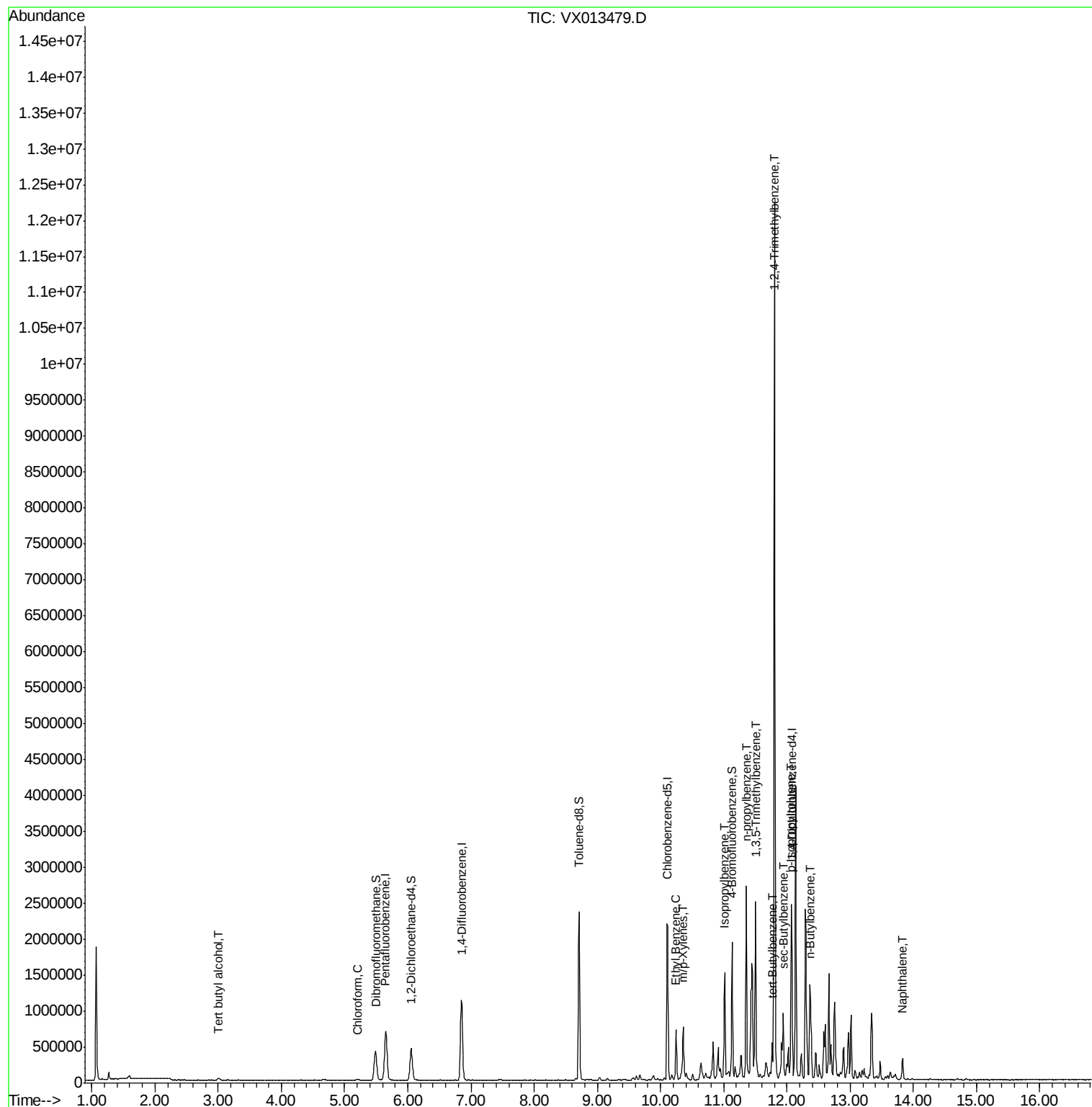
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	21126	9.513	ug/l	98
30) Chloroform	5.20	83	12009	0.950	ug/l	91
67) Ethyl Benzene	10.25	91	377776	10.472	ug/l	100
68) m/p-Xylenes	10.36	106	151013	11.068	ug/l	99
73) Isopropylbenzene	11.01	105	754614	23.568	ug/l	99
78) n-propylbenzene	11.35	91	1581462	44.340	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1006877	37.753	ug/l	100
83) tert-Butylbenzene	11.76	119	85144	3.171	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	5406931	202.099	ug/l	96
85) sec-Butylbenzene	11.94	105	437308	14.173	ug/l	97
86) p-Isopropyltoluene	12.06	119	213475	7.513	ug/l	98
89) n-Butylbenzene	12.38	91	290851	11.732	ug/l #	58
95) Naphthalene	13.83	128	188095	5.651	ug/l	99

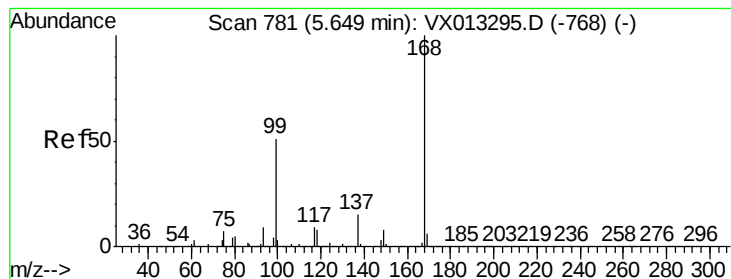
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.01 min

Lab File: VX013479.D

Acq: 20 Nov 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

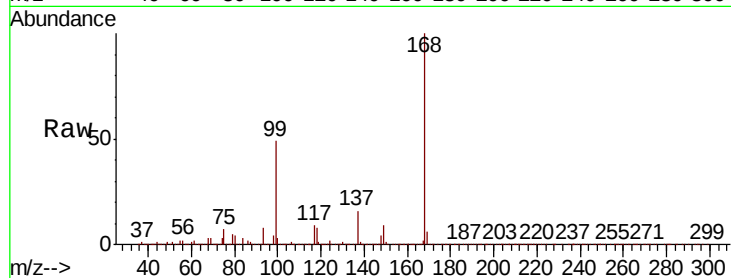
MW-2DL

Tot Ion:168 Resp: 711190

Ion Ratio Lower Upper

168 100

99 49.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

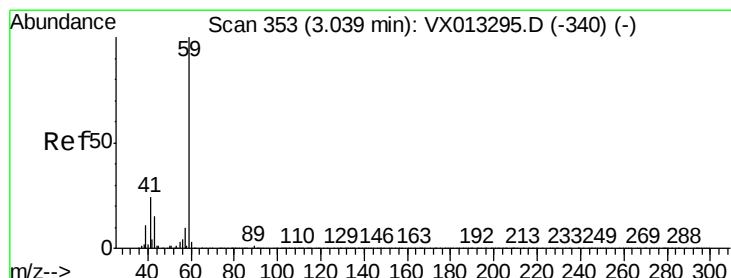
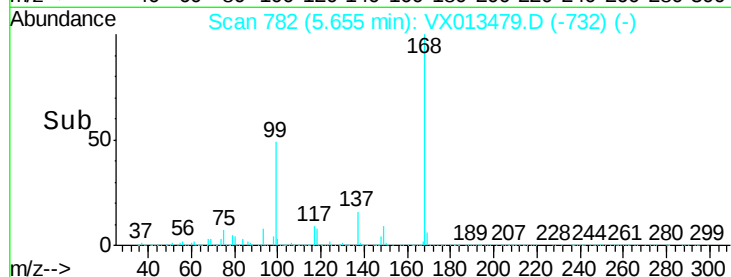
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 9.513 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX013479.D

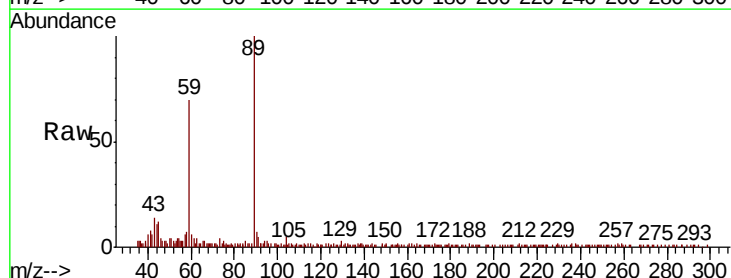
Acq: 20 Nov 2019 15:58

Tgt Ion: 59 Resp: 21126

Ion Ratio Lower Upper

59 100

57 9.4 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

8000

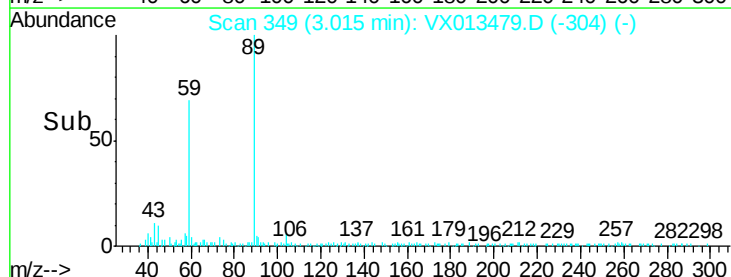
6000

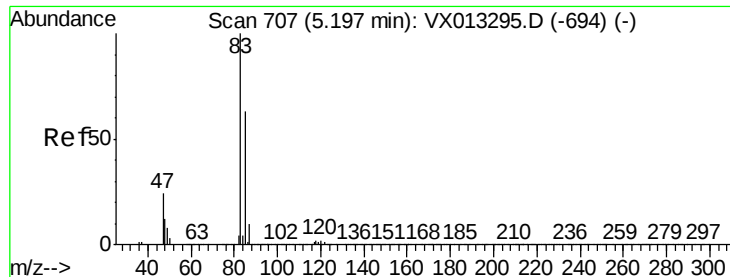
4000

2000

0

Time-->

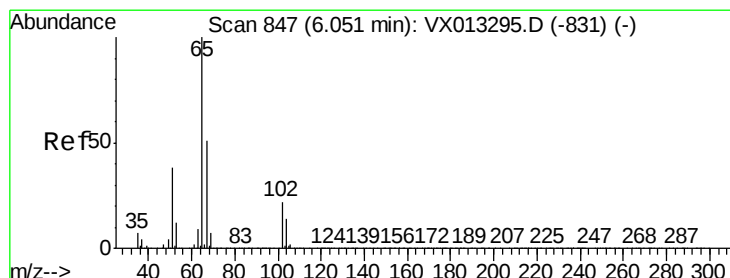
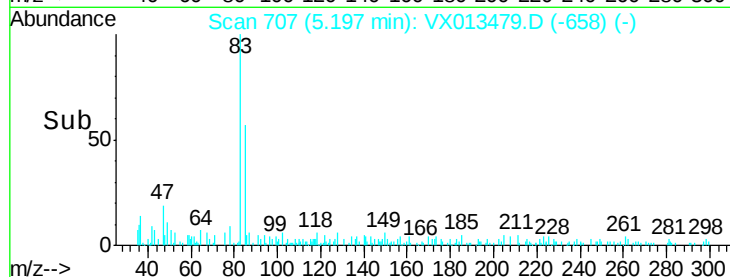
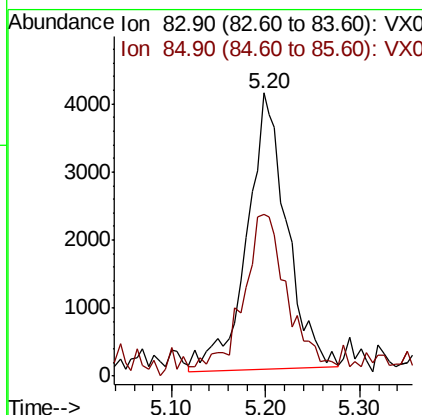
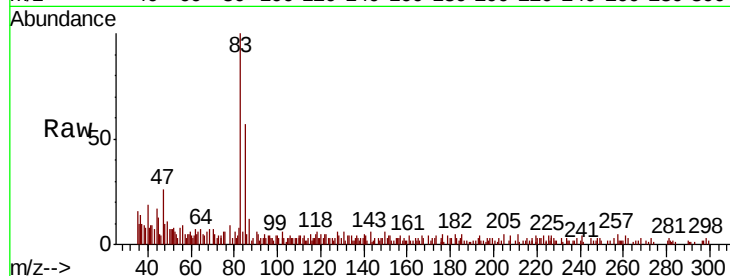




#30
Chloroform
Concen: 0.950 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013479.D
Acq: 20 Nov 2019 15:58

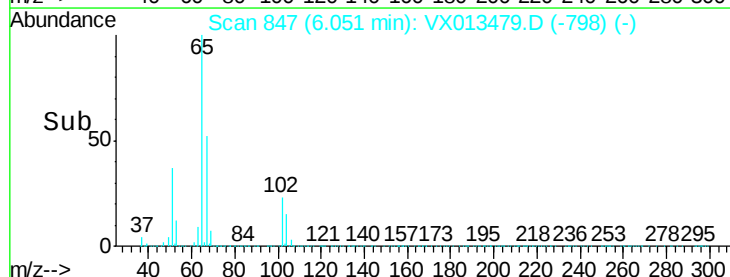
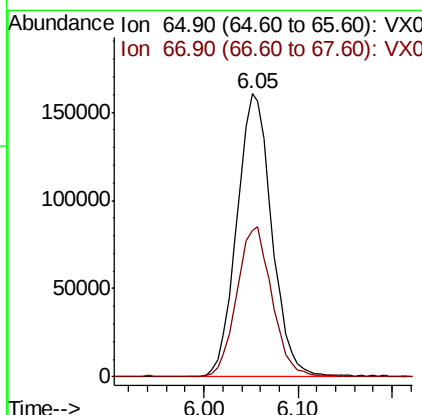
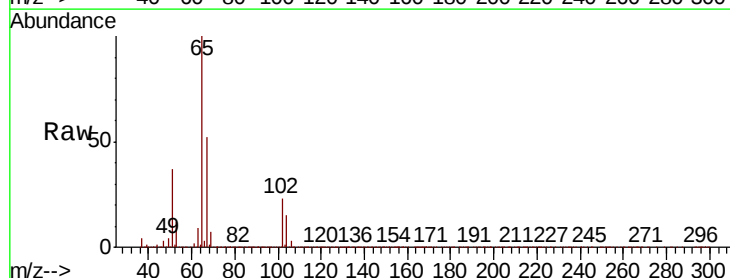
Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

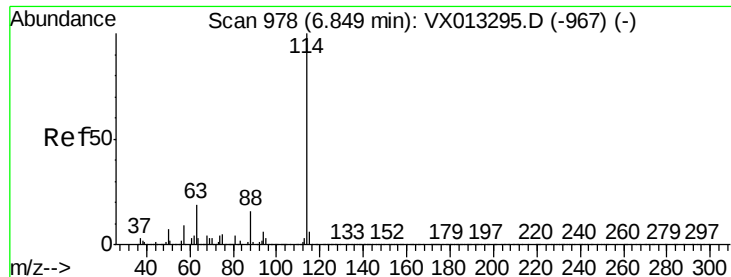
Tot Ion: 83 Resp: 12009
Ion Ratio Lower Upper
83 100
85 55.8 50.2 75.4



#33
1,2-Dichloroethane-d4
Concen: 49.213 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013479.D
Acq: 20 Nov 2019 15:58

Tgt Ion: 65 Resp: 414642
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013479.D

Acq: 20 Nov 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

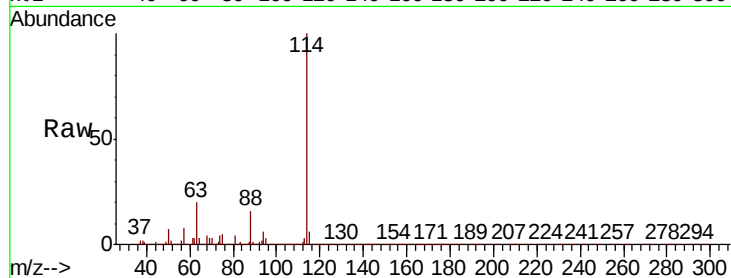
Tot Ion:114 Resp: 1153052

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

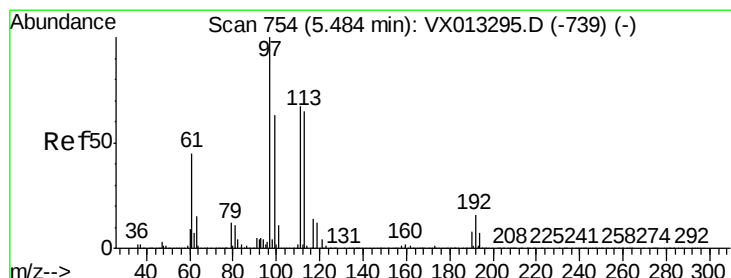
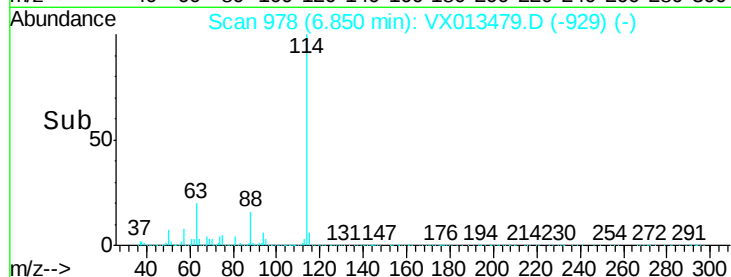
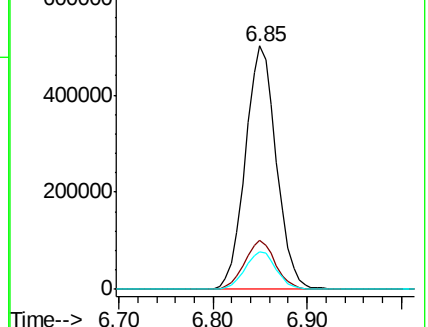
88 15.5 0.0 32.2



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



#35

Dibromofluoromethane

Concen: 48.195 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013479.D

Acq: 20 Nov 2019 15:58

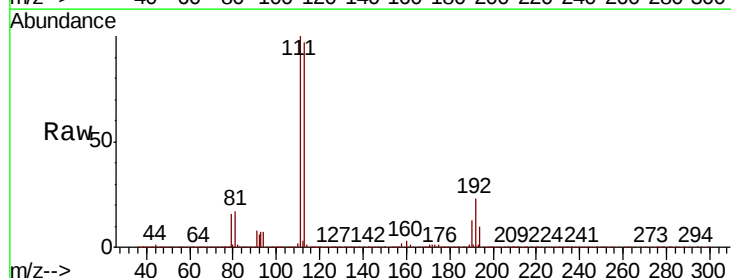
Tgt Ion:113 Resp: 348552

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

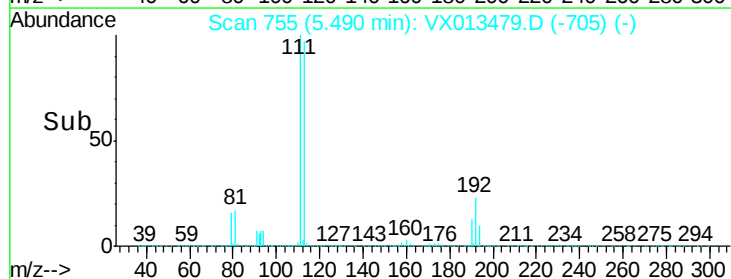
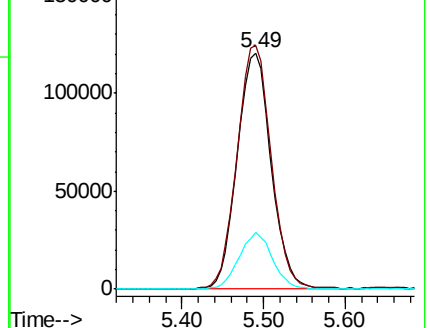
192 23.7 19.1 28.7

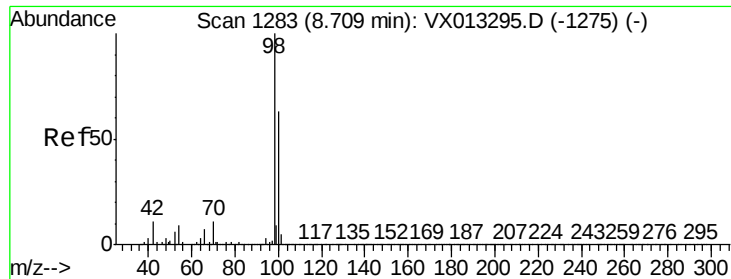


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

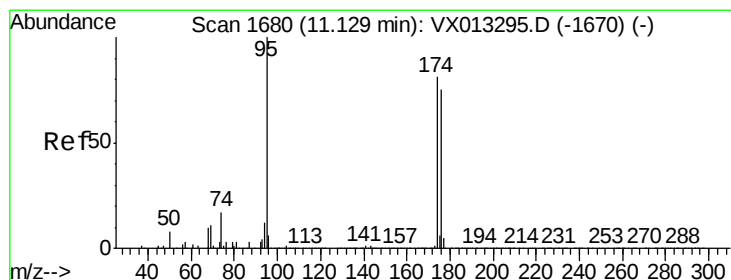
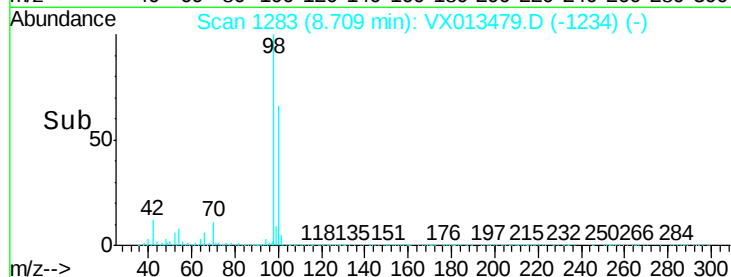
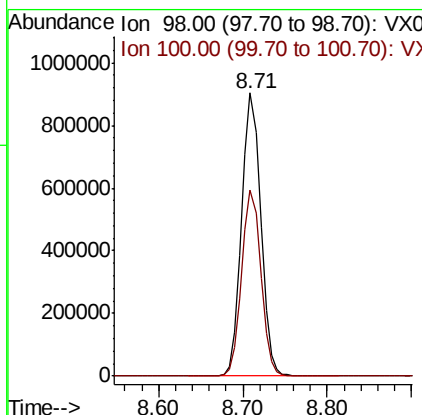
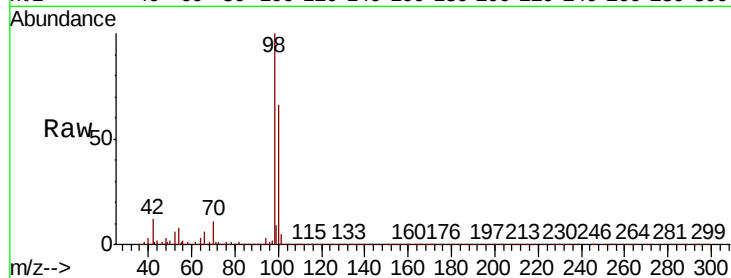




#50
Toluene-d8
Concen: 50.282 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013479.D
Acq: 20 Nov 2019 15:58

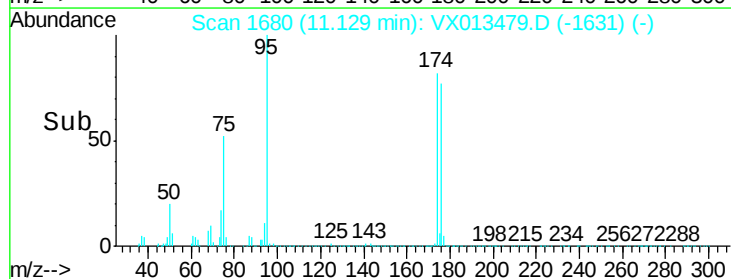
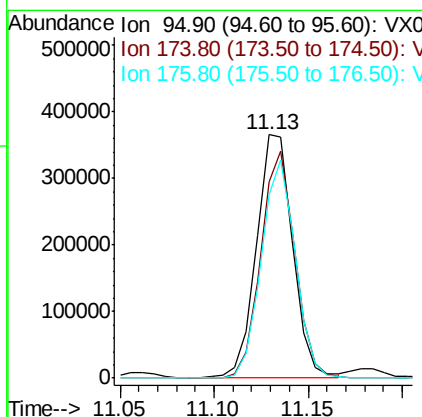
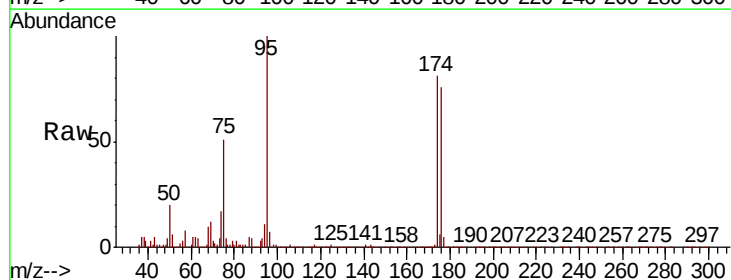
Instrument :
MSVOA_X
ClientSampled :
MW-2DL

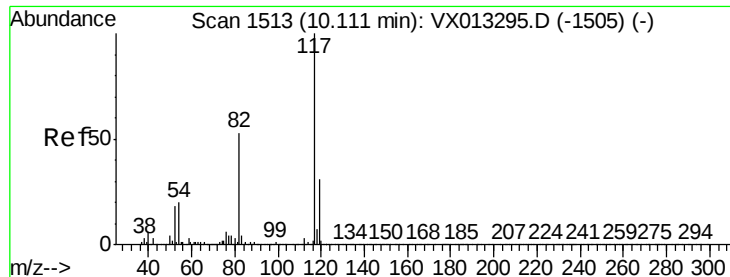
Tot Ion: 98 Resp: 1370905
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 49.424 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX013479.D
Acq: 20 Nov 2019 15:58

Tgt Ion: 95 Resp: 486322
Ion Ratio Lower Upper
95 100
174 87.6 0.0 179.8
176 84.5 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: VX013479.D

Acq: 20 Nov 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

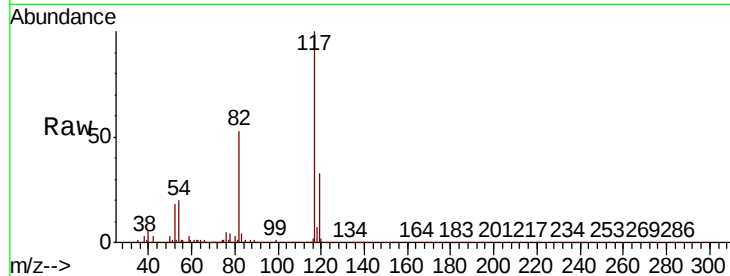
Tot Ion:117 Resp: 1032460

Ion Ratio Lower Upper

117 100

82 52.8 42.6 64.0

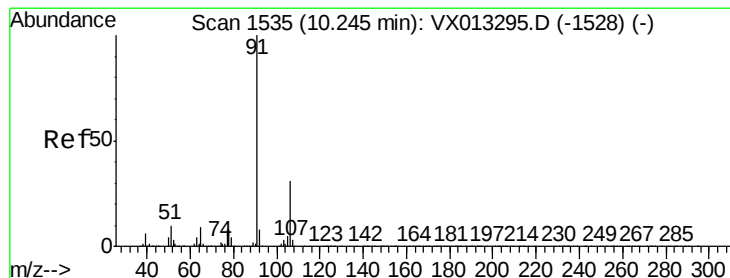
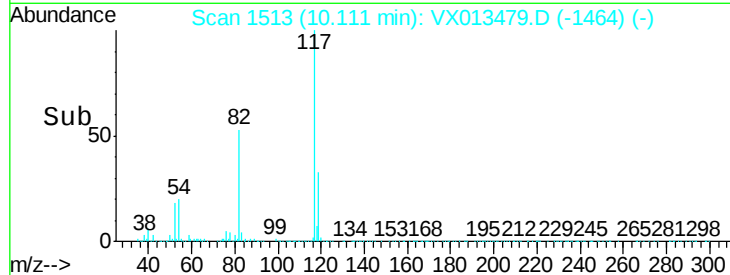
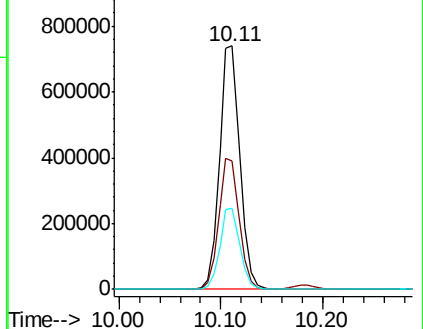
119 33.2 24.8 37.2



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



#67

Ethyl Benzene

Concen: 10.472 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013479.D

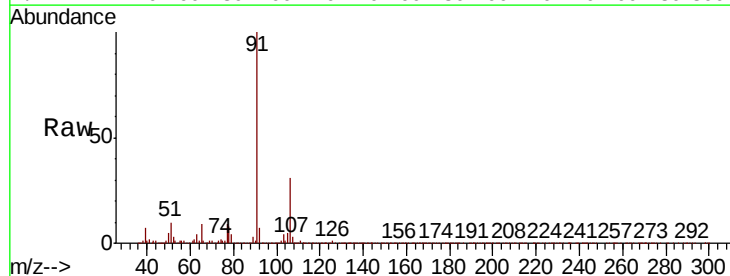
Acq: 20 Nov 2019 15:58

Tgt Ion: 91 Resp: 377776

Ion Ratio Lower Upper

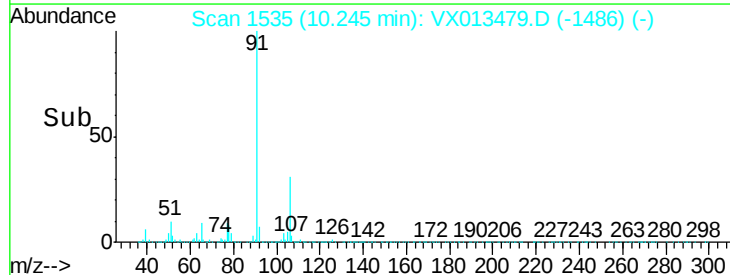
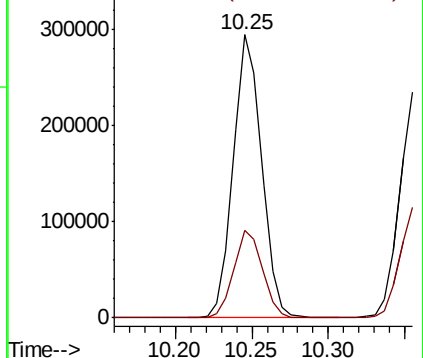
91 100

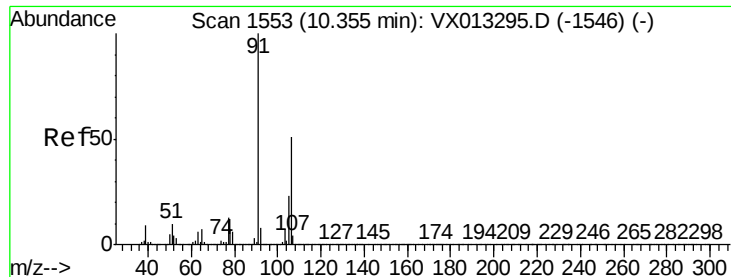
106 30.8 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xvlenes

Concen: 11.068 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013479.D

Acq: 20 Nov 2019 15:58

Instrument :

MSVOA_X

ClientSampled :

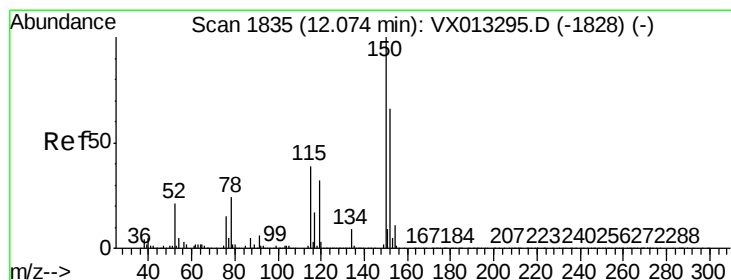
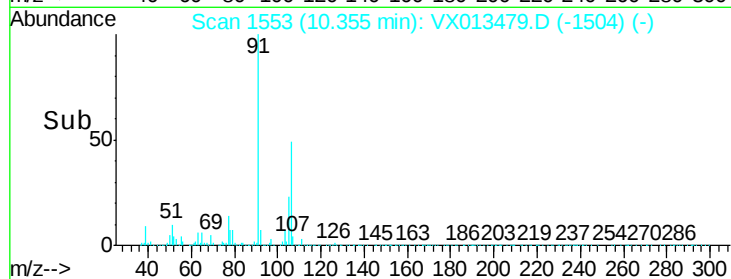
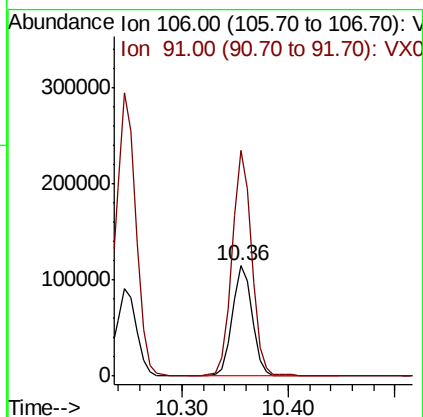
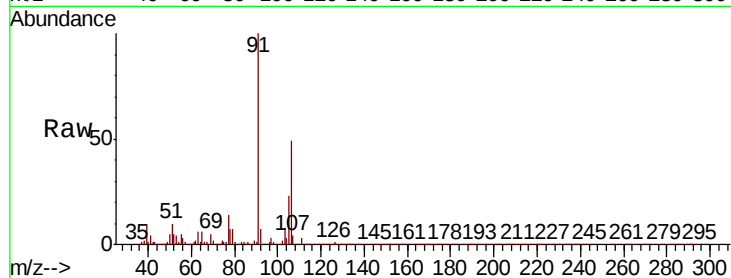
MW-2DL

Tot Ion:106 Resp: 151013

Ion Ratio Lower Upper

106 100

91 201.3 159.3 238.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013479.D

Acq: 20 Nov 2019 15:58

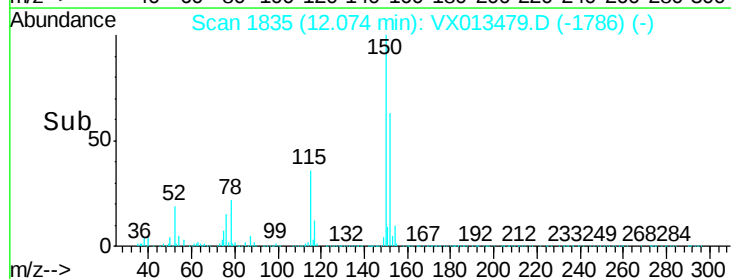
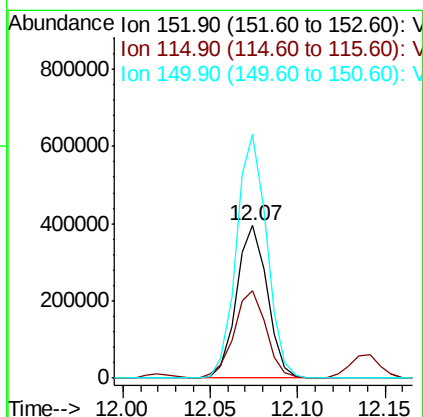
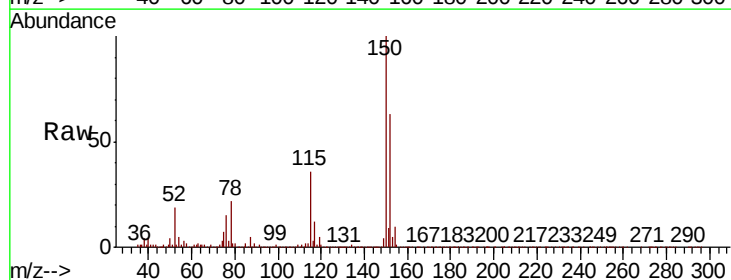
Tgt Ion:152 Resp: 482927

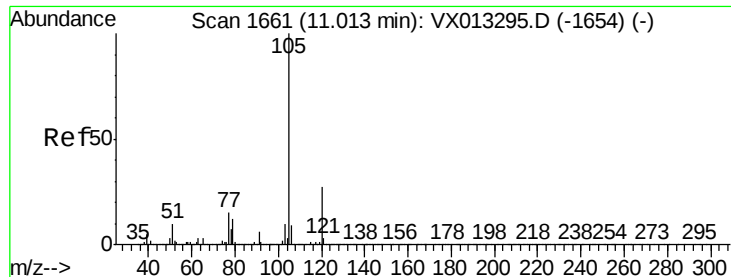
Ion Ratio Lower Upper

152 100

115 59.8 39.5 118.3

150 157.7 0.0 344.4





#73

Isopropylbenzene

Concen: 23.568 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013479.D

Acq: 20 Nov 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

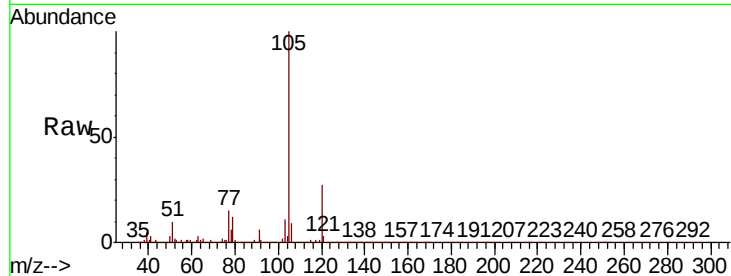
MW-2DL

Tot Ion:105 Resp: 754614

Ion Ratio Lower Upper

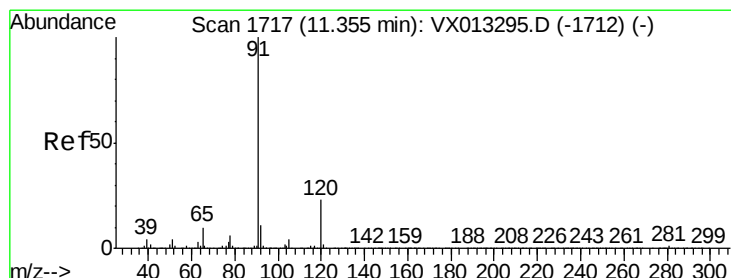
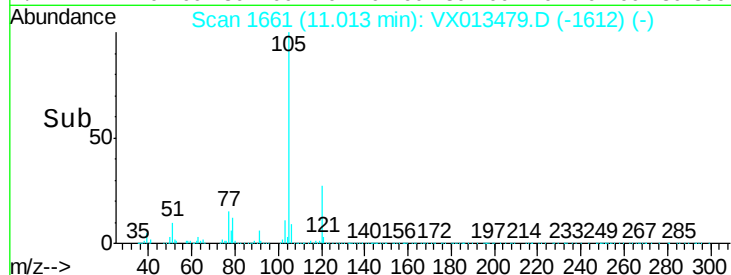
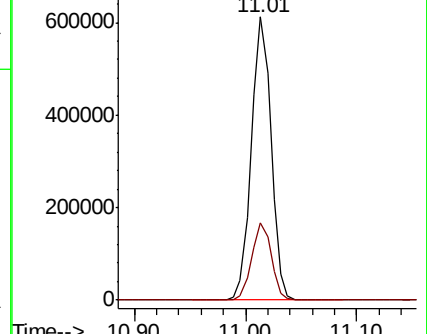
105 100

120 27.3 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: 44.340 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013479.D

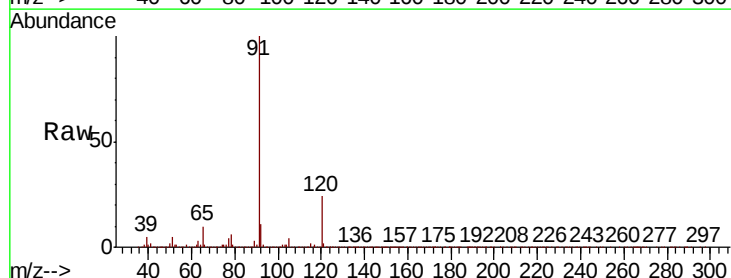
Acq: 20 Nov 2019 15:58

Tgt Ion: 91 Resp: 1581462

Ion Ratio Lower Upper

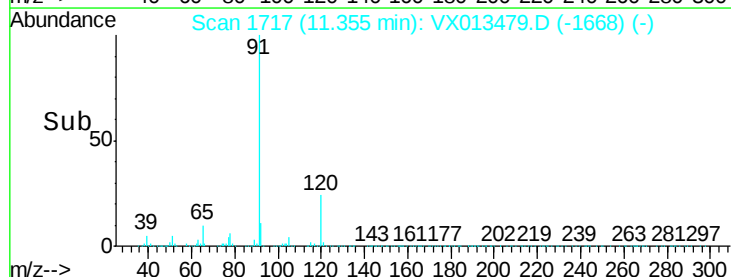
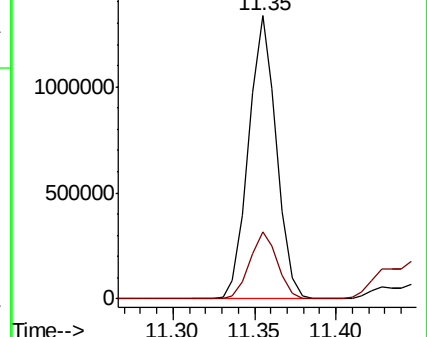
91 100

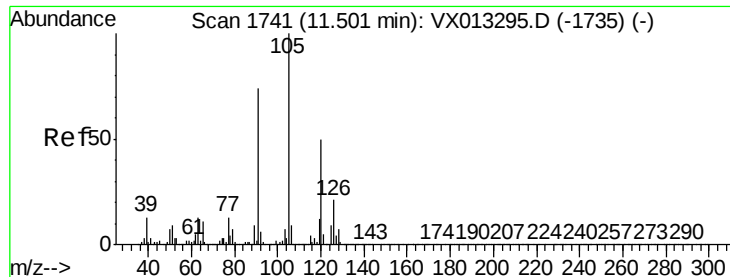
120 23.6 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

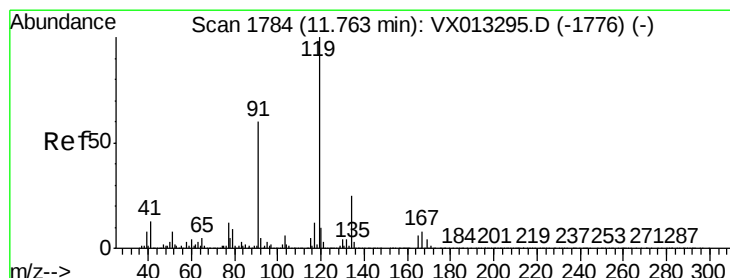
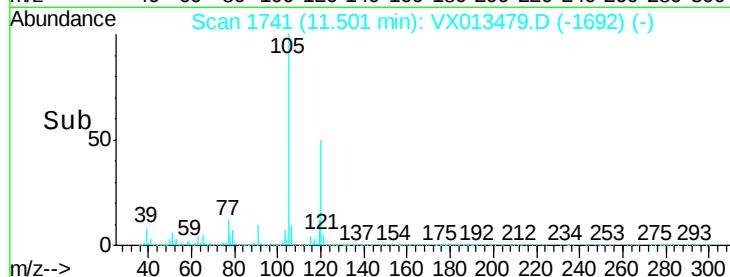
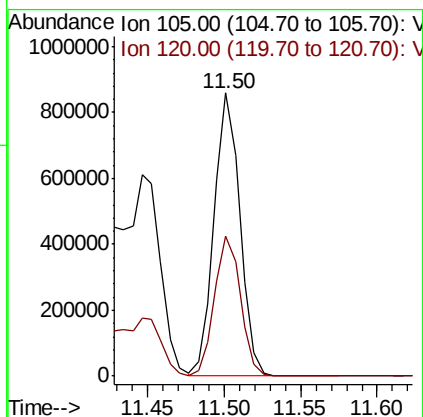
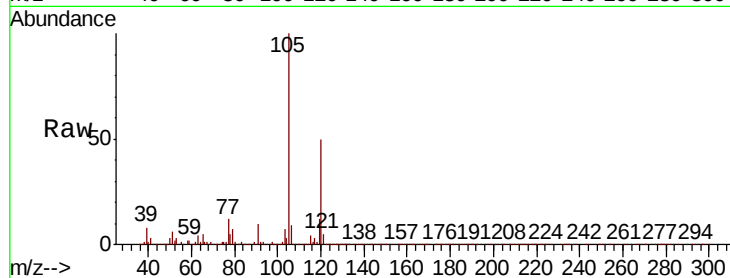




#80
1,3,5-Trimethylbenzene
Concen: 37.753 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX013479.D
Acq: 20 Nov 2019 15:58

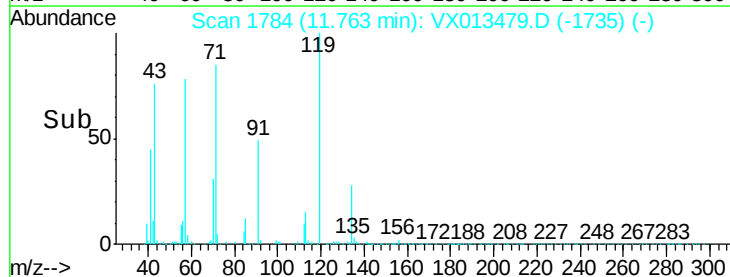
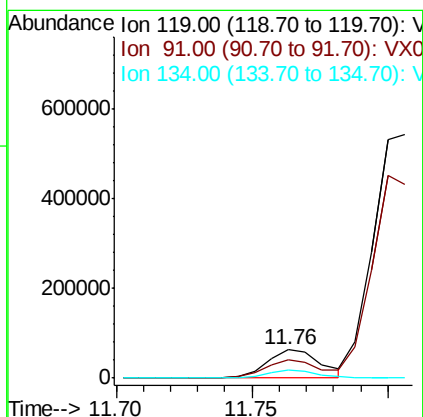
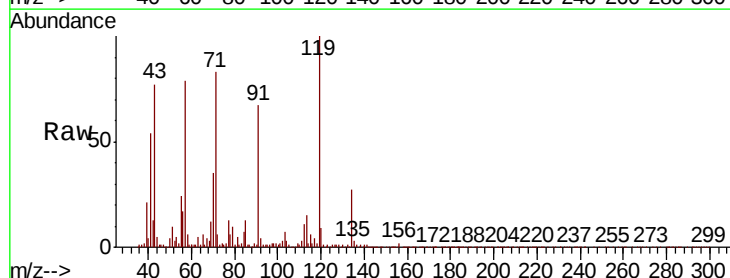
Instrument :
MSVOA_X
ClientSampled :
MW-2DL

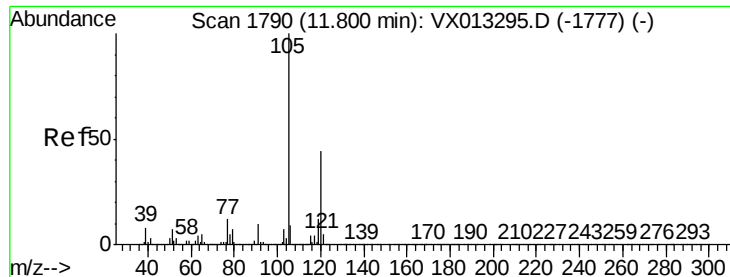
Tot Ion:105 Resp: 1006877
Ion Ratio Lower Upper
105 100
120 49.8 24.9 74.8



#83
tert-Butylbenzene
Concen: 3.171 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013479.D
Acq: 20 Nov 2019 15:58

Tgt Ion:119 Resp: 85144
Ion Ratio Lower Upper
119 100
91 59.2 26.9 80.7
134 25.3 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 202.099 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013479.D

Acq: 20 Nov 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

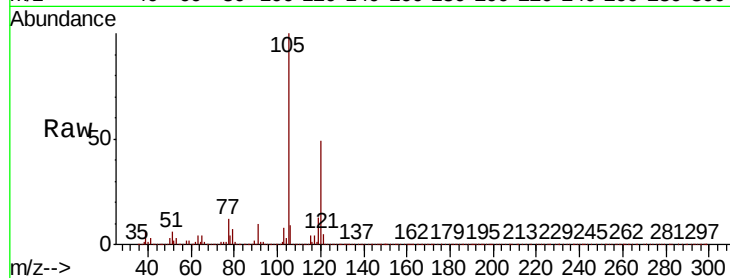
MW-2DL

Tot Ion:105 Resp: 5406931

Ion Ratio Lower Upper

105 100

120 47.8 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

5000000 Ion 120.00 (119.70 to 120.70): V

4000000

3000000

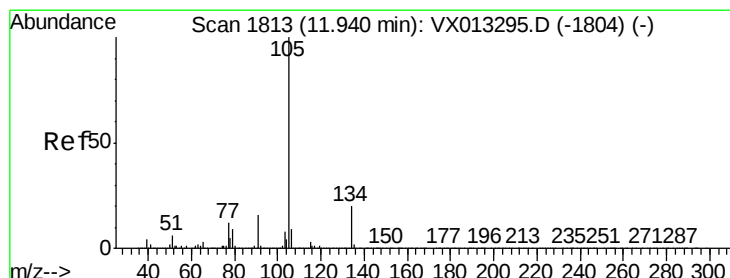
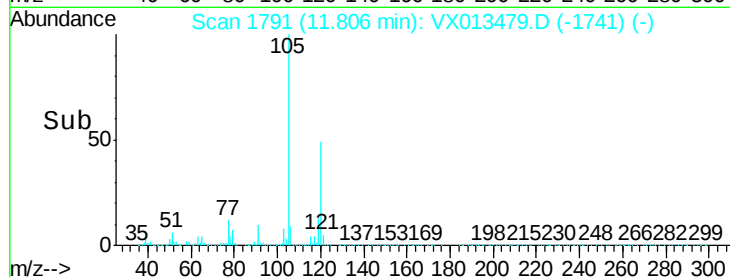
2000000

1000000

0

Time-->

11.70 11.80 11.90



#85

sec-Butylbenzene

Concen: 14.173 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013479.D

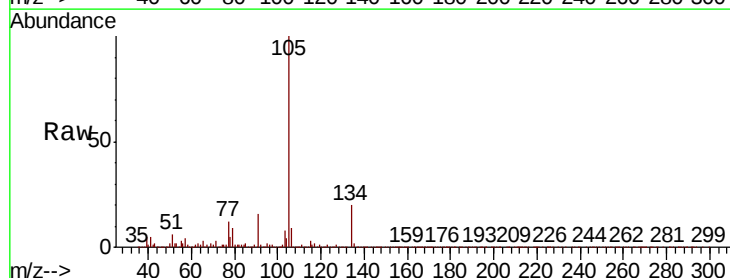
Acq: 20 Nov 2019 15:58

Tgt Ion:105 Resp: 437308

Ion Ratio Lower Upper

105 100

134 19.4 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

400000 Ion 134.00 (133.70 to 134.70): V

300000

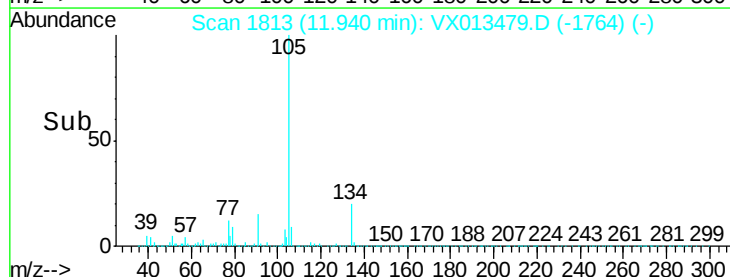
200000

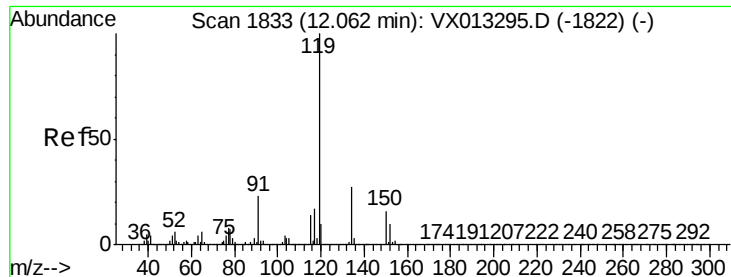
100000

0

Time-->

11.85 11.90 11.95 12.00

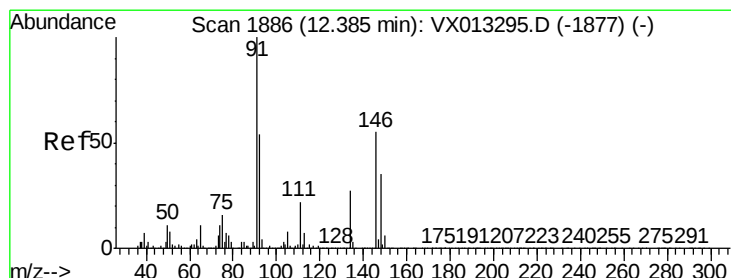
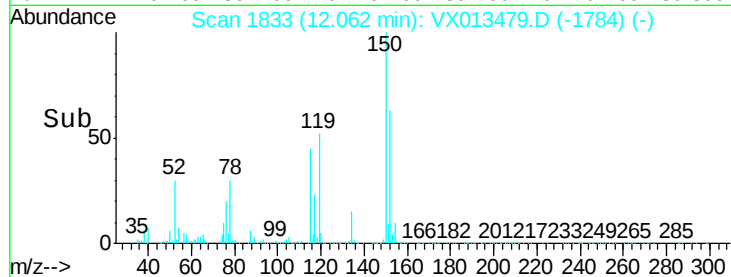
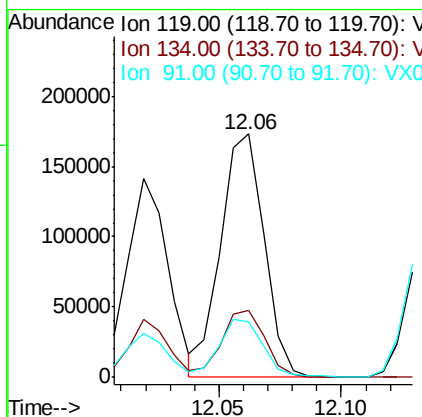
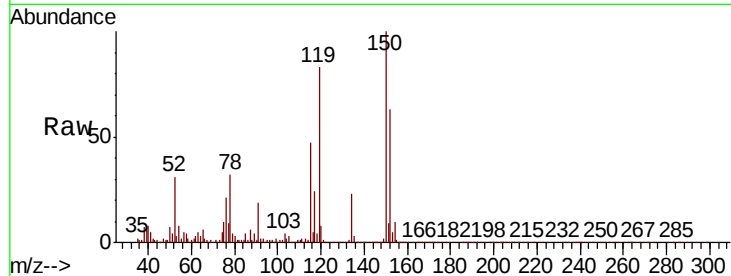




#86
p-Isopropyltoluene
Concen: 7.513 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX013479.D
Acq: 20 Nov 2019 15:58

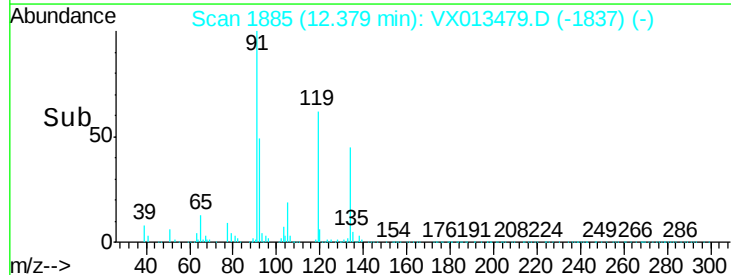
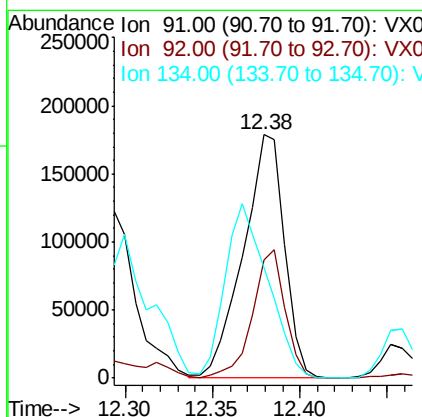
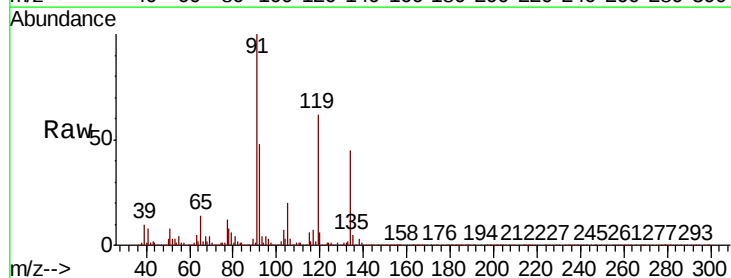
Instrument :
MSVOA_X
ClientSampled :
MW-2DL

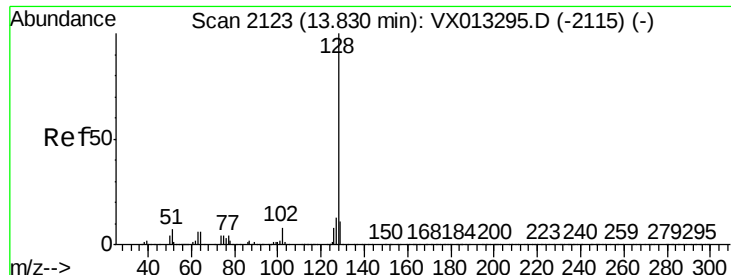
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.3	39.8
91	23.5	11.5	34.4



#89
n-Butylbenzene
Concen: 11.732 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX013479.D
Acq: 20 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	41.6	27.3	81.8
134	74.0	13.5	40.5





#95
Naphthalene
Concen: 5.651 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013479.D
Acq: 20 Nov 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.3	8.5	12.7

