

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013530.D
 Acq On : 22 Nov 2019 14:02
 Operator : JC/SP
 Sample : K5958-02DL2 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL2

Quant Time: Nov 22 15:28:55 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	678399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1112811	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	996271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	457862	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	405086	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
35) Dibromofluoromethane	5.49	113	337388	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	8.71	98	1329195	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.13	95	454444	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	

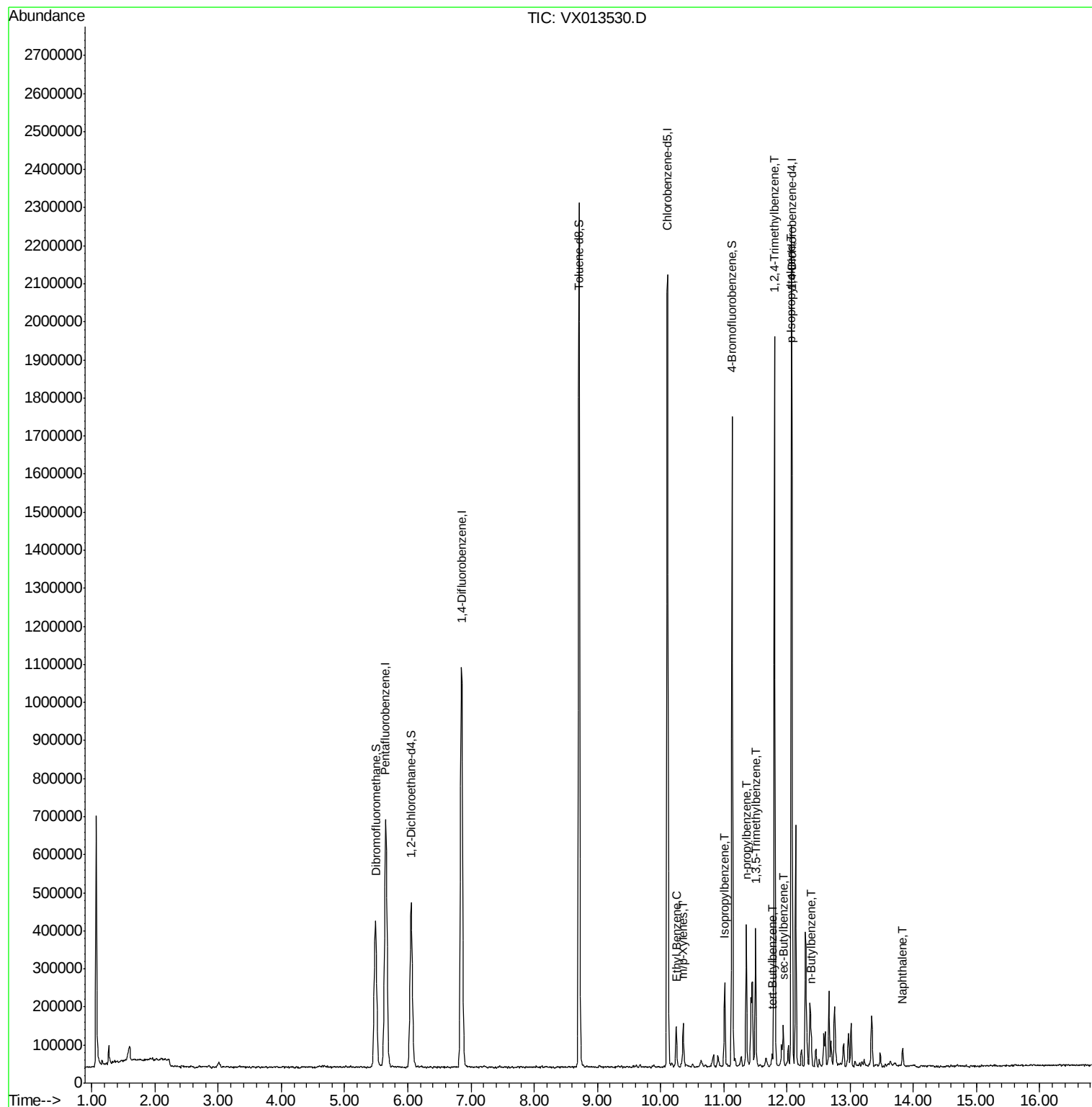
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
67) Ethyl Benzene	10.25	91	64965	1.866	ug/l	95
68) m/p-Xylenes	10.35	106	26841	2.039	ug/l	96
73) Isopropylbenzene	11.01	105	115916	3.818	ug/l	99
78) n-propylbenzene	11.35	91	229559	6.789	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	152621	6.036	ug/l	99
83) tert-Butylbenzene	11.76	119	12375	0.486	ug/l	84
84) 1,2,4-Trimethylbenzene	11.81	105	866815	34.173	ug/l	97
85) sec-Butylbenzene	11.94	105	59715	2.041	ug/l	96
86) p-Isopropyltoluene	12.06	119	29070	1.079	ug/l	96
89) n-Butylbenzene	12.38	91	36052	1.534	ug/l #	53
95) Naphthalene	13.83	128	31380	0.994	ug/l #	96

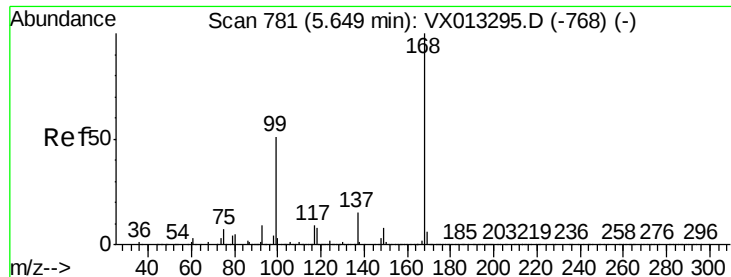
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX013530.D

Acq: 22 Nov 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

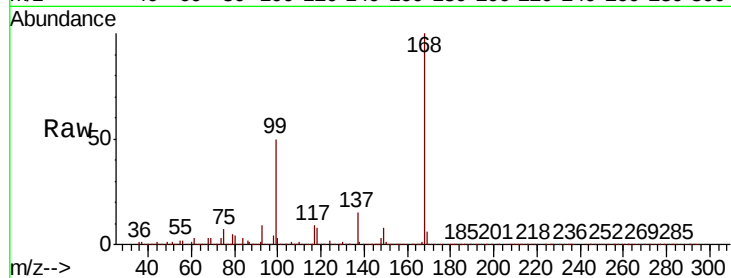
MW-2DL2

Tot Ion:168 Resp: 678399

Ion Ratio Lower Upper

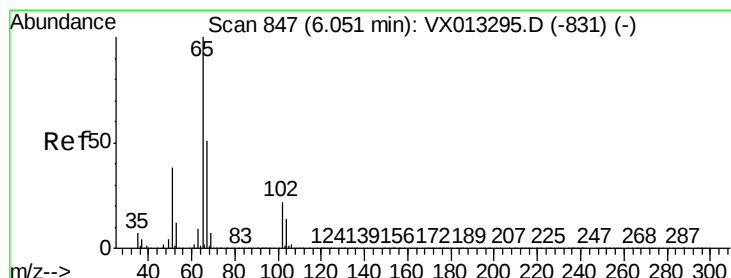
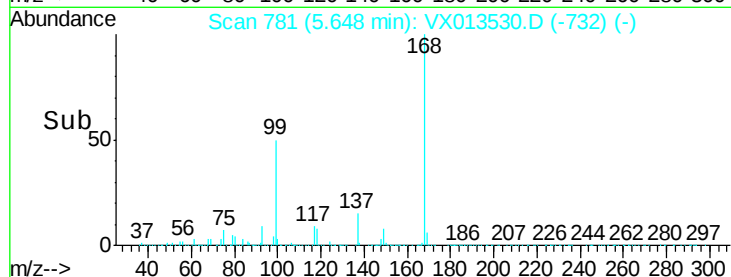
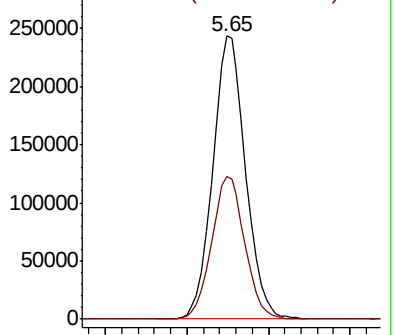
168 100

99 50.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.403 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013530.D

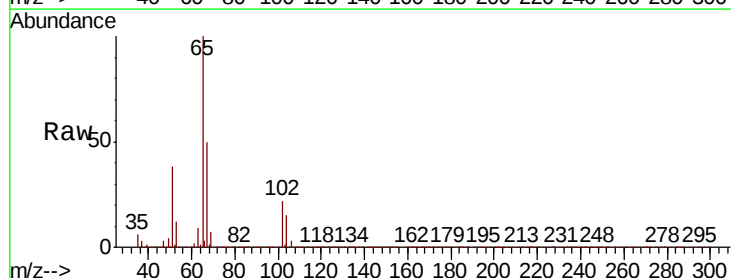
Acq: 22 Nov 2019 14:02

Tgt Ion: 65 Resp: 405086

Ion Ratio Lower Upper

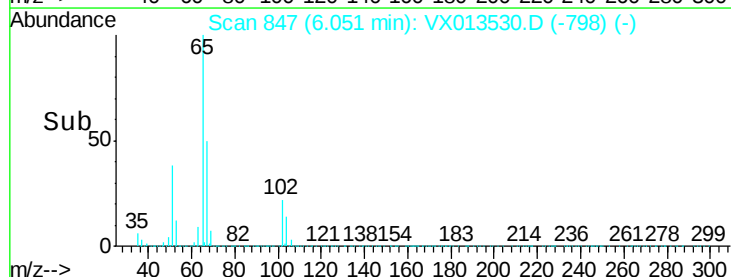
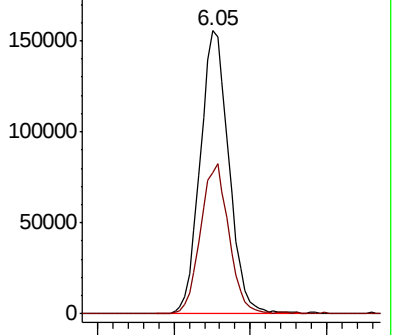
65 100

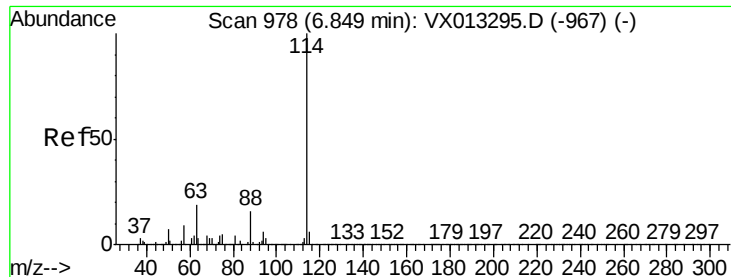
67 51.8 0.0 104.2



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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013530.D

Acq: 22 Nov 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL2

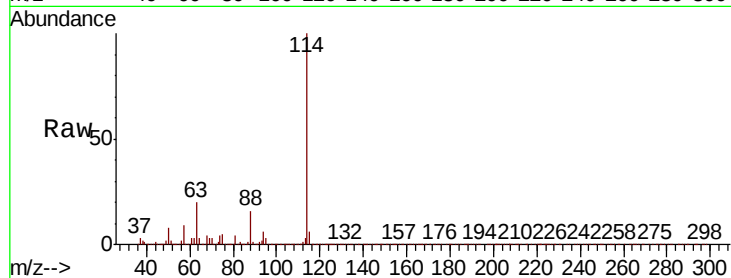
Tot Ion:114 Resp: 1112811

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.4

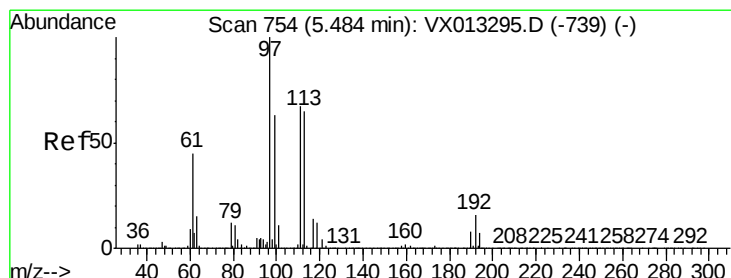
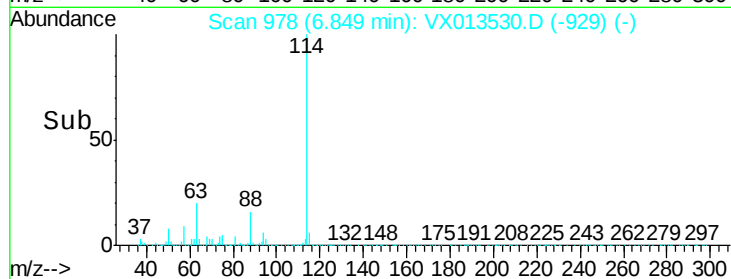
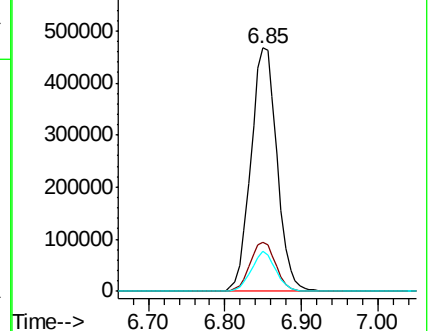
88 16.3 0.0 32.2



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: 48.339 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013530.D

Acq: 22 Nov 2019 14:02

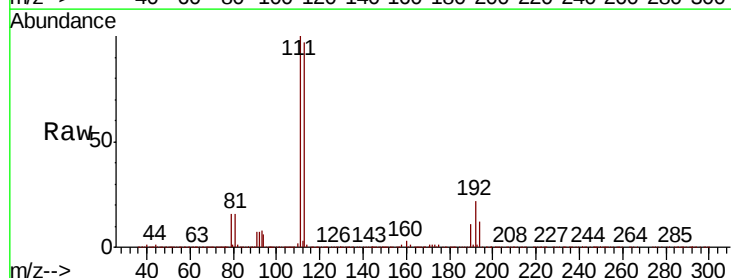
Tgt Ion:113 Resp: 337388

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

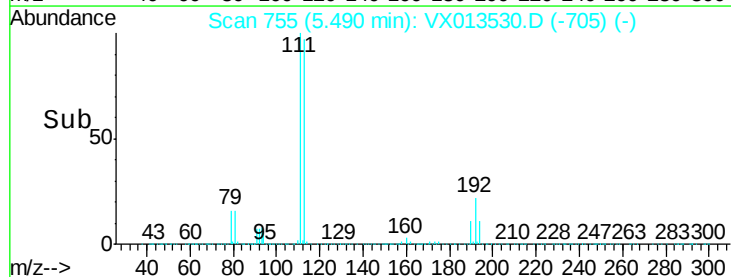
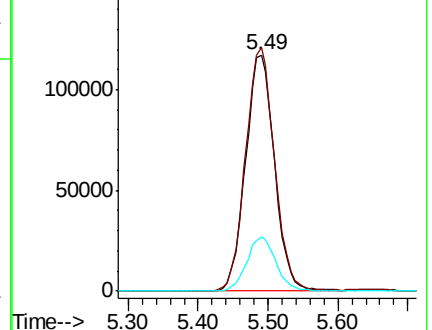
192 23.2 19.1 28.7

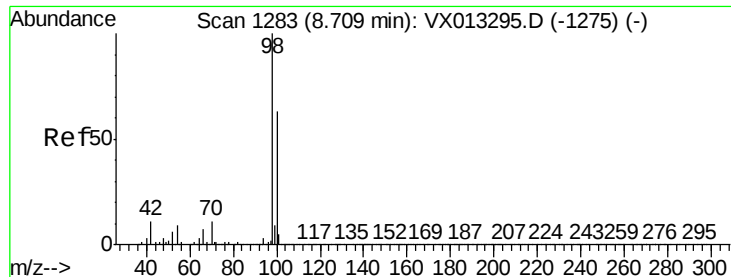


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.515 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013530.D

Acq: 22 Nov 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

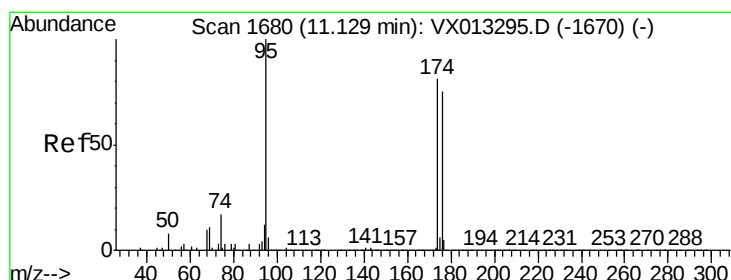
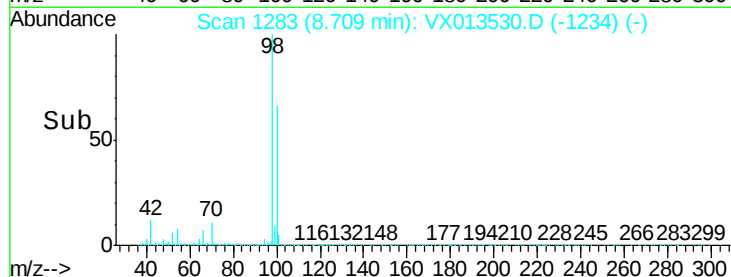
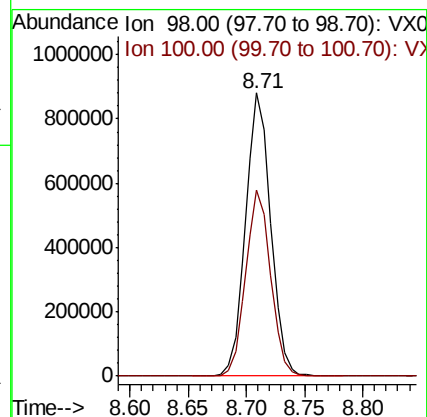
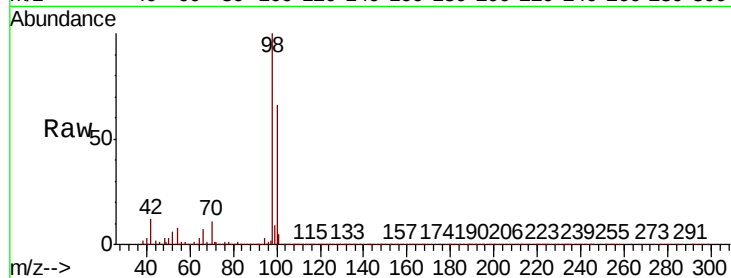
MW-2DL2

Tot Ion: 98 Resp: 1329195

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 47.854 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013530.D

Acq: 22 Nov 2019 14:02

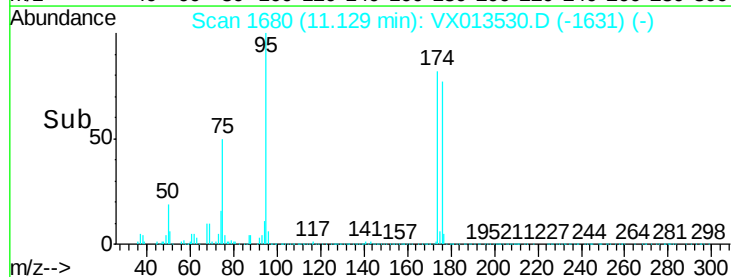
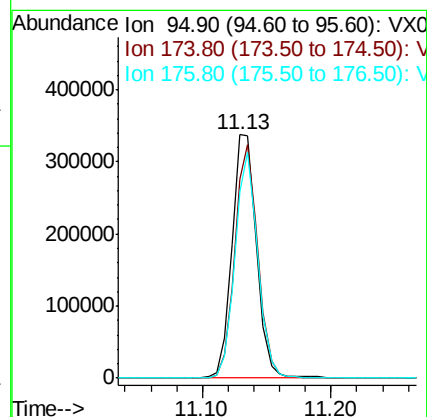
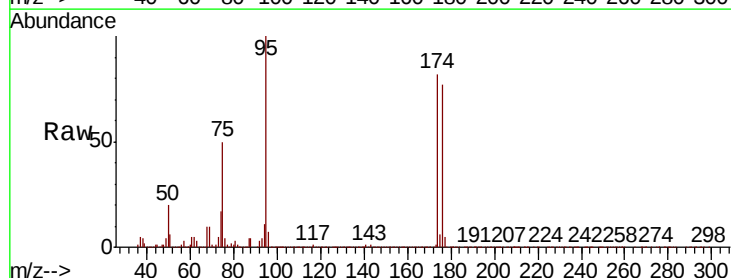
Tgt Ion: 95 Resp: 454444

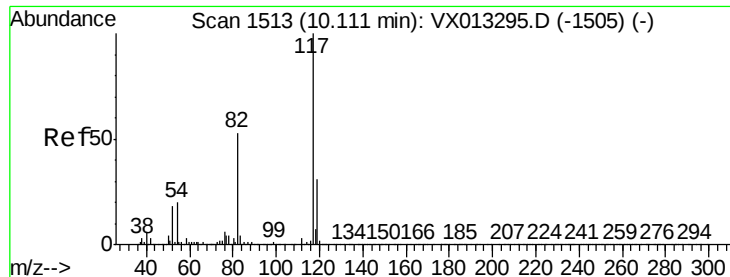
Ion Ratio Lower Upper

95 100

174 89.6 0.0 179.8

176 85.8 0.0 173.0

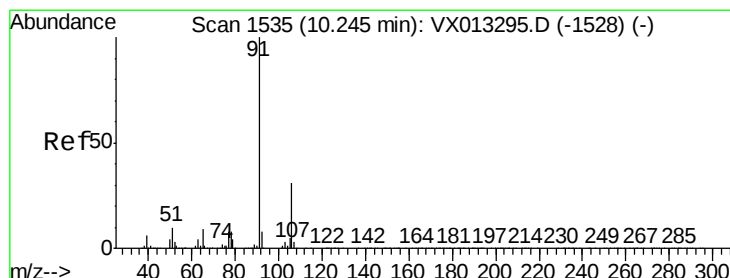
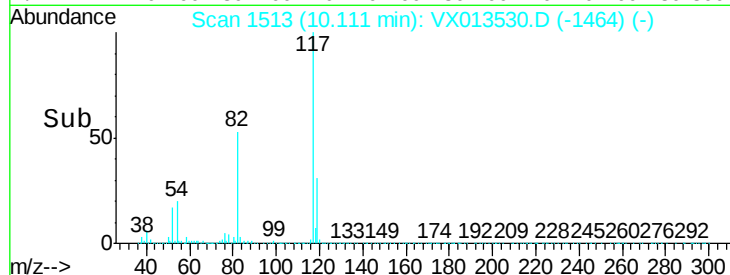
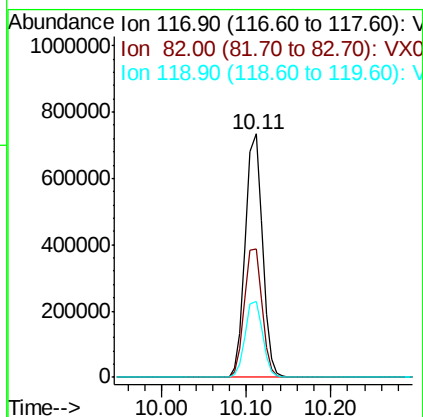
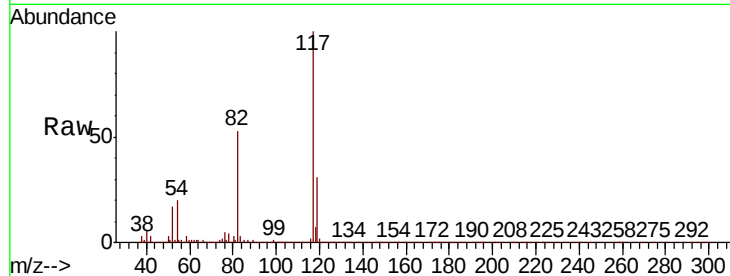




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013530.D
Acq: 22 Nov 2019 14:02

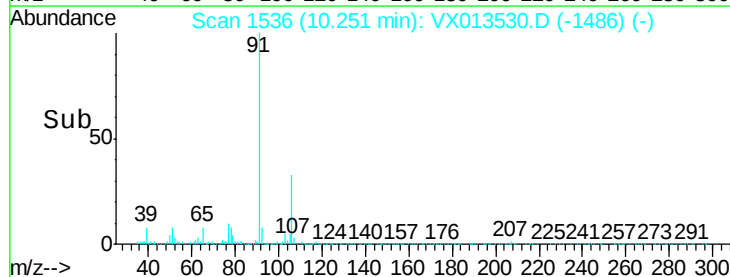
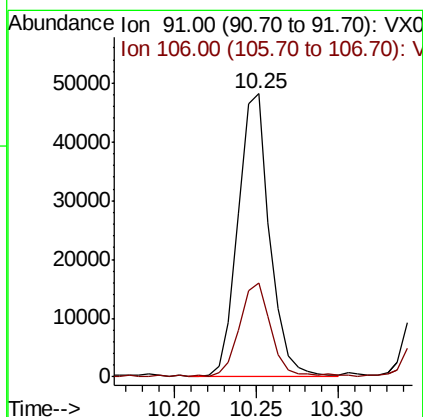
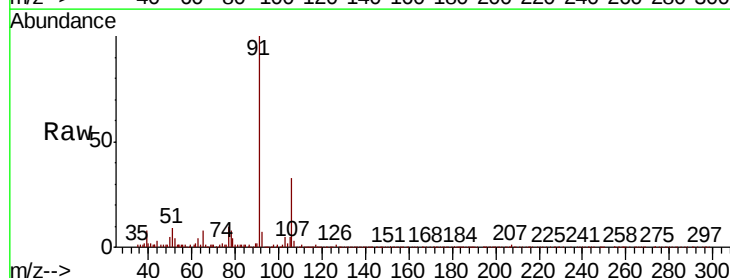
Instrument :
MSVOA_X
ClientSampleId :
MW-2DL2

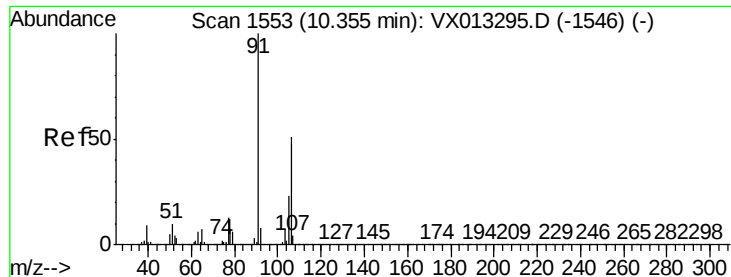
Tot Ion:117 Resp: 996271
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 31.2 24.8 37.2



#67
Ethyl Benzene
Concen: 1.866 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX013530.D
Acq: 22 Nov 2019 14:02

Tgt Ion: 91 Resp: 64965
Ion Ratio Lower Upper
91 100
106 33.5 24.6 36.8





#68

m/p-Xvlenes

Concen: 2.039 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013530.D

Acq: 22 Nov 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

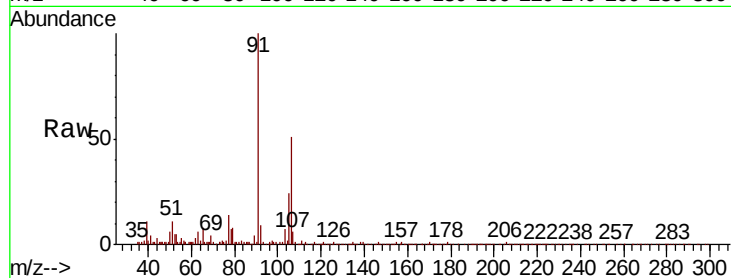
MW-2DL2

Tot Ion:106 Resp: 26841

Ion Ratio Lower Upper

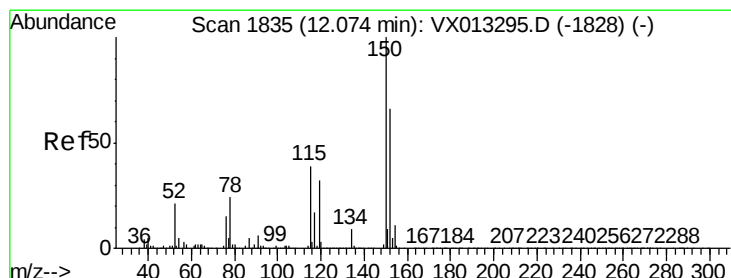
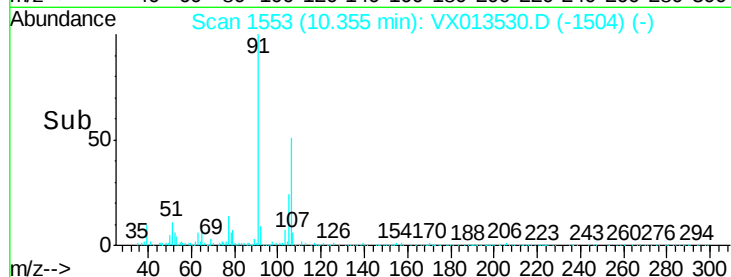
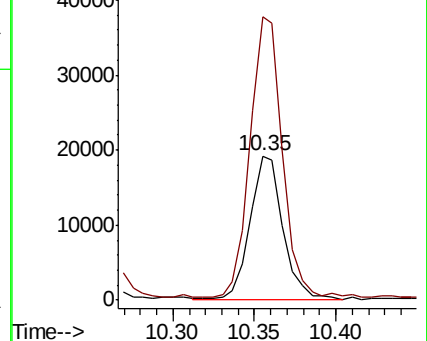
106 100

91 193.5 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013530.D

Acq: 22 Nov 2019 14:02

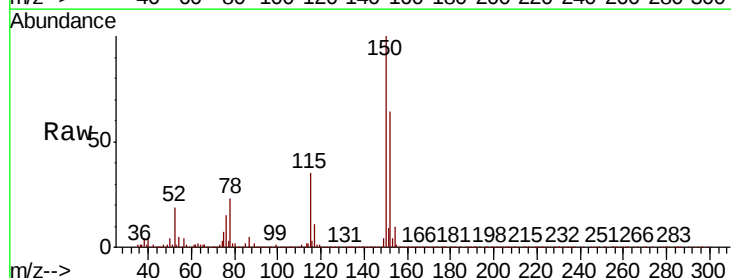
Tgt Ion:152 Resp: 457862

Ion Ratio Lower Upper

152 100

115 55.7 39.5 118.3

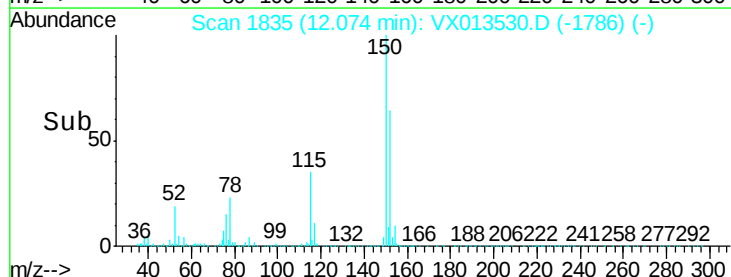
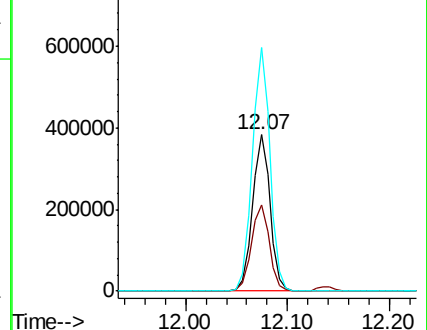
150 157.0 0.0 344.4

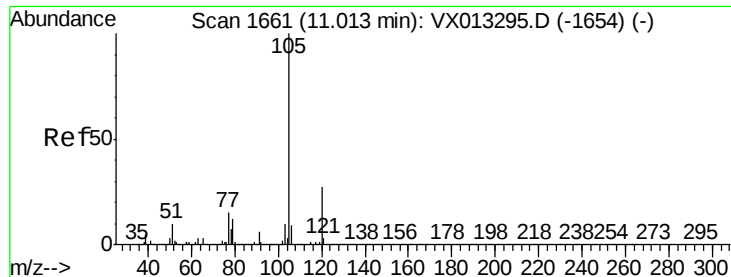


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.818 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013530.D

Acq: 22 Nov 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

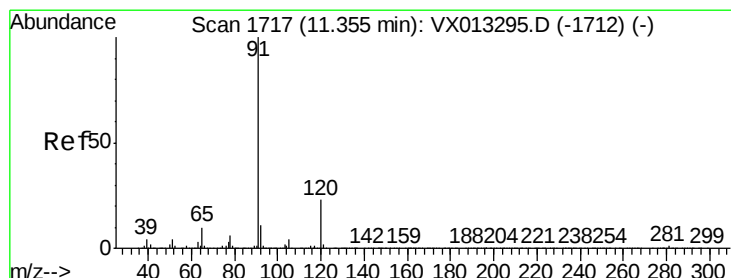
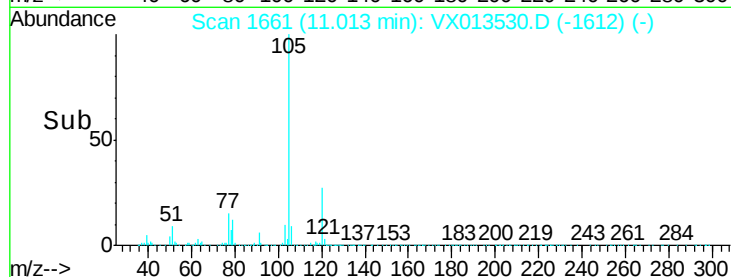
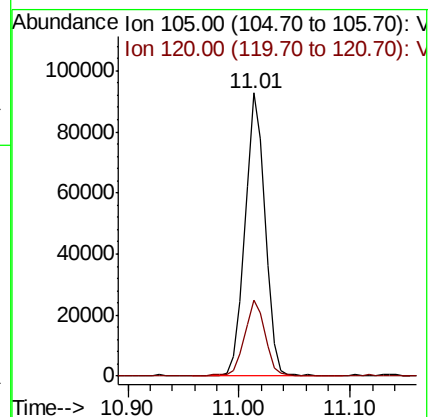
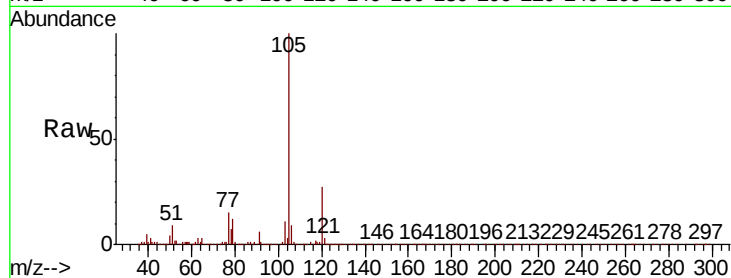
MW-2DL2

Tot Ion:105 Resp: 115916

Ion Ratio Lower Upper

105 100

120 27.5 13.5 40.5



#78

n-propylbenzene

Concen: 6.789 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013530.D

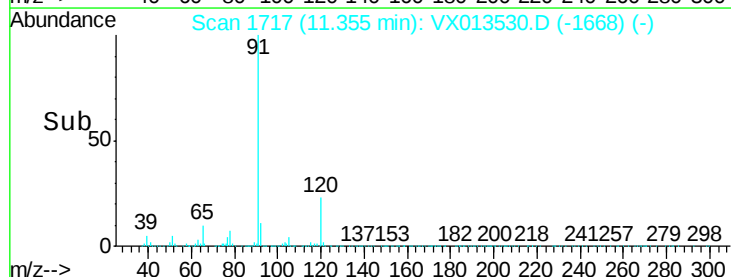
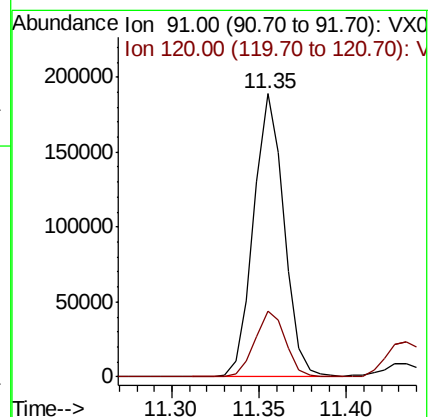
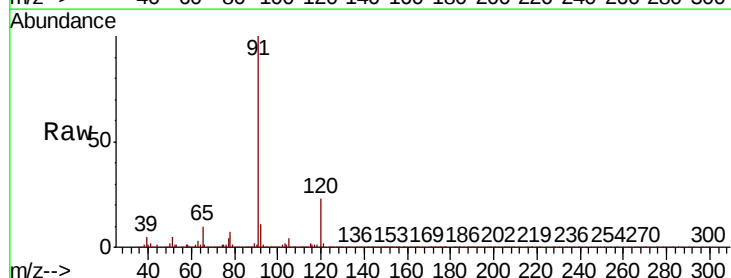
Acq: 22 Nov 2019 14:02

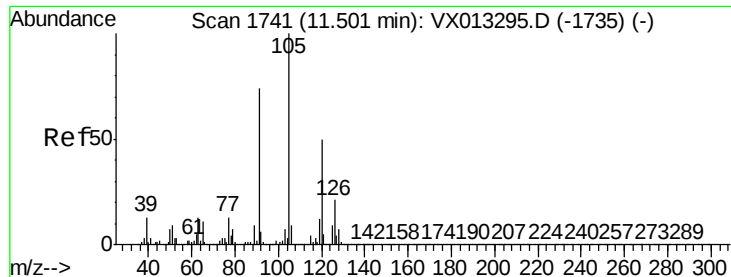
Tgt Ion: 91 Resp: 229559

Ion Ratio Lower Upper

91 100

120 23.5 11.6 34.8

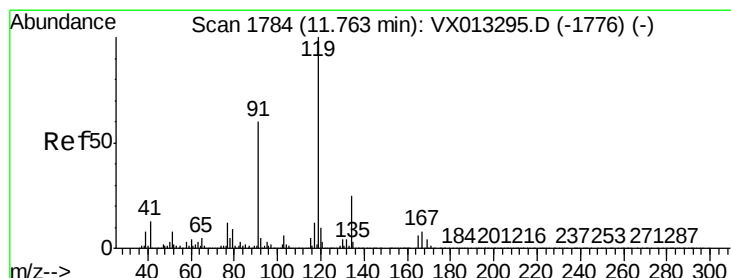
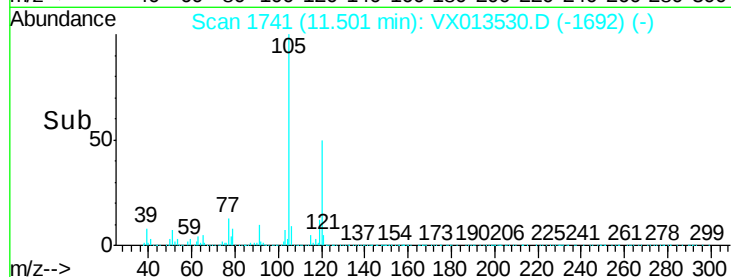
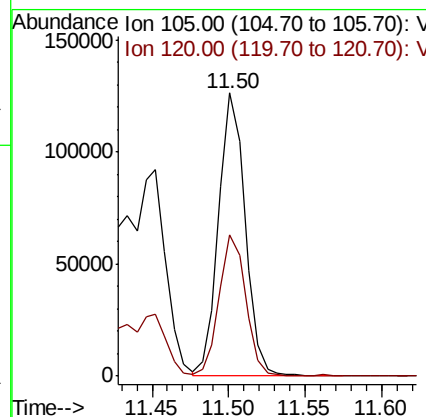
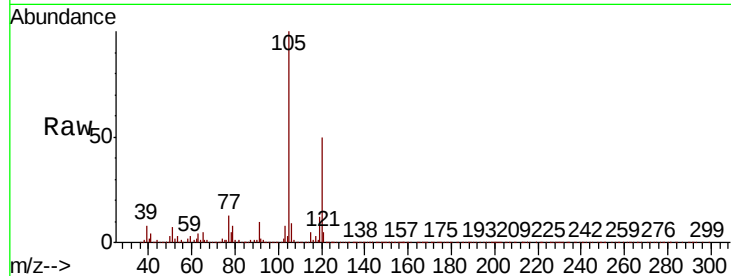




#80
 1,3,5-Trimethylbenzene
 Concen: 6.036 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013530.D
 Acq: 22 Nov 2019 14:02

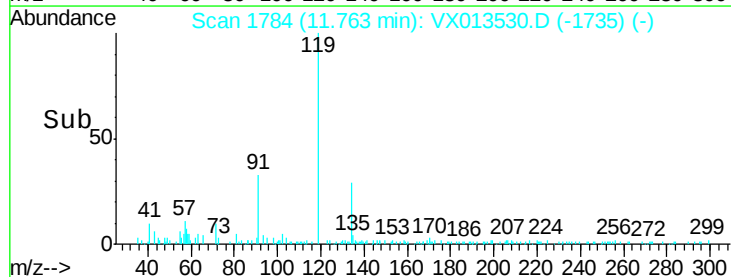
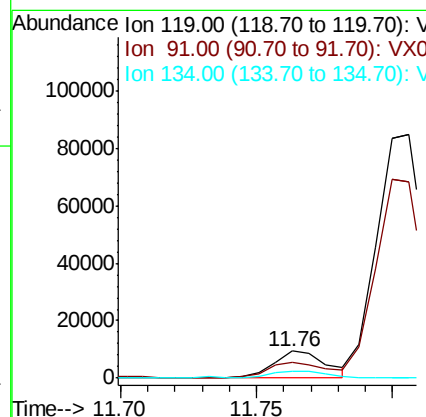
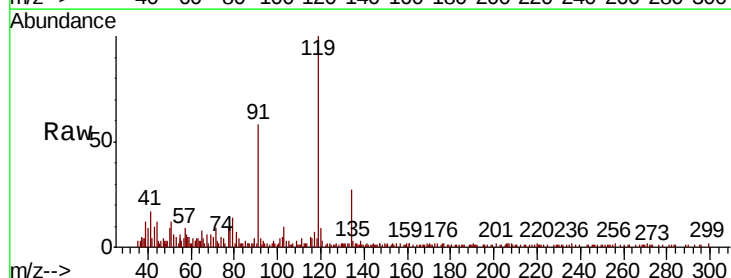
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL2

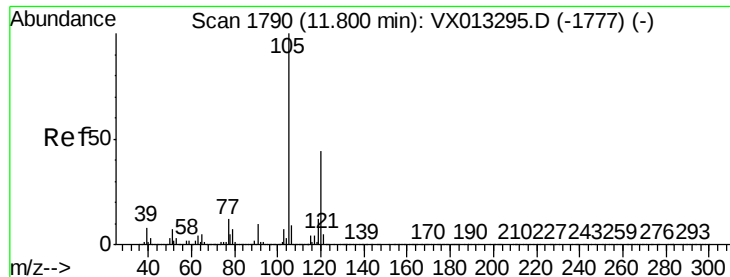
Tot Ion:105 Resp: 152621
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.9 74.8



#83
 tert-Butylbenzene
 Concen: 0.486 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX013530.D
 Acq: 22 Nov 2019 14:02

Tgt Ion:119 Resp: 12375
 Ion Ratio Lower Upper
 119 100
 91 65.9 26.9 80.7
 134 29.9 11.7 35.1

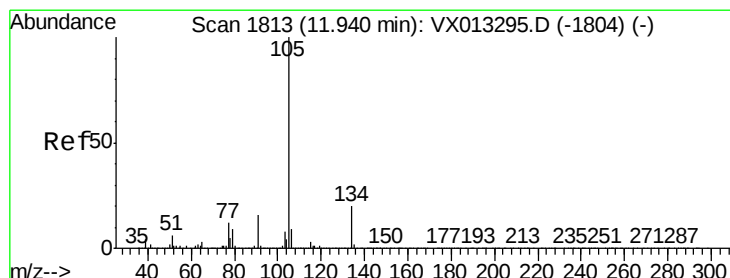
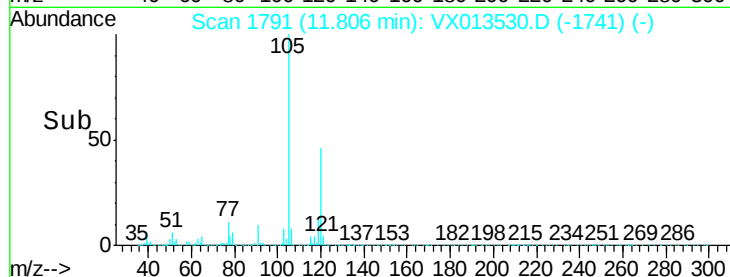
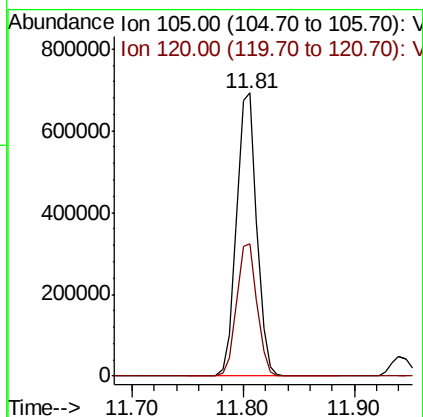
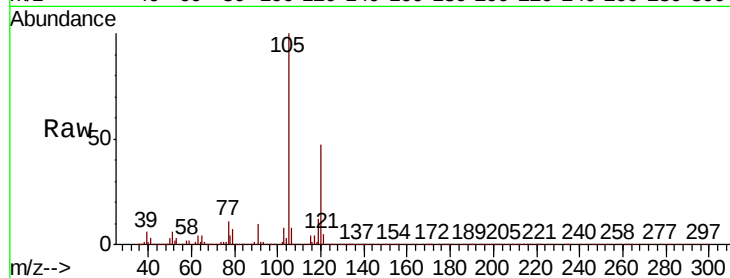




#84
 1,2,4-Trimethylbenzene
 Concen: 34.173 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX013530.D
 Acq: 22 Nov 2019 14:02

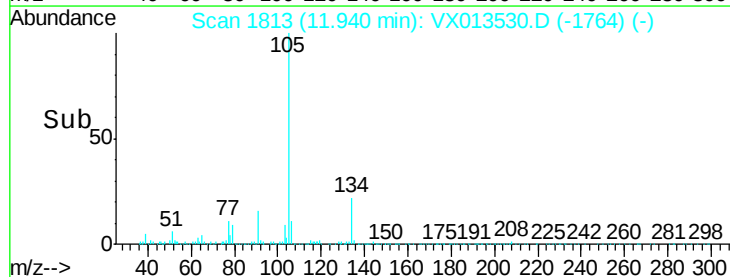
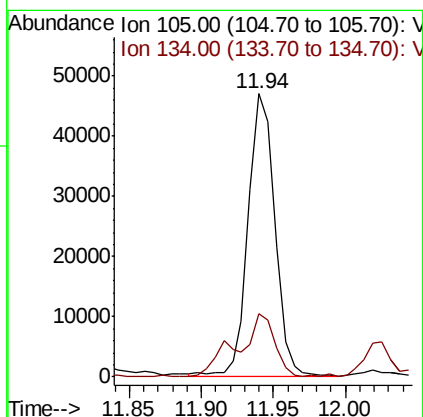
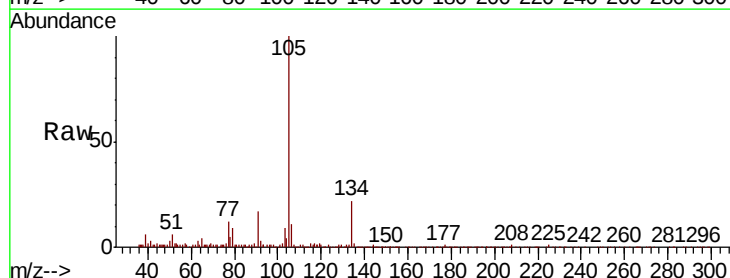
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL2

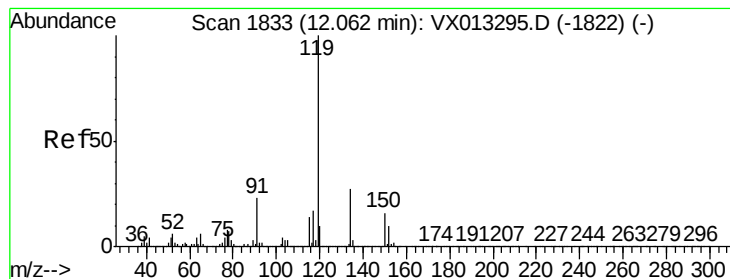
Tot Ion:105 Resp: 866815
 Ion Ratio Lower Upper
 105 100
 120 47.5 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 2.041 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013530.D
 Acq: 22 Nov 2019 14:02

Tgt Ion:105 Resp: 59715
 Ion Ratio Lower Upper
 105 100
 134 19.0 10.3 30.9





#86

p-Isopropyltoluene

Concen: 1.079 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013530.D

Acq: 22 Nov 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL2

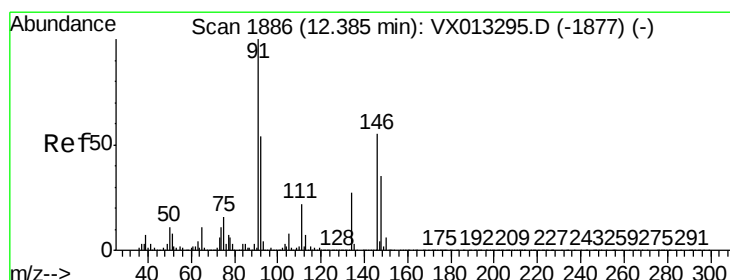
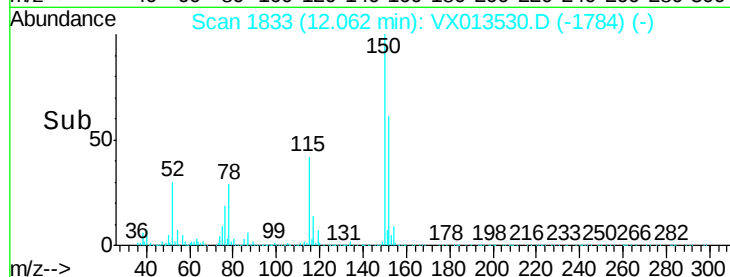
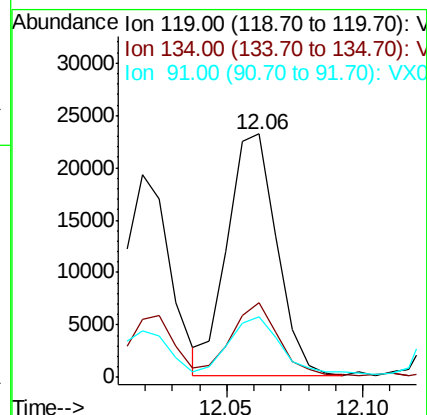
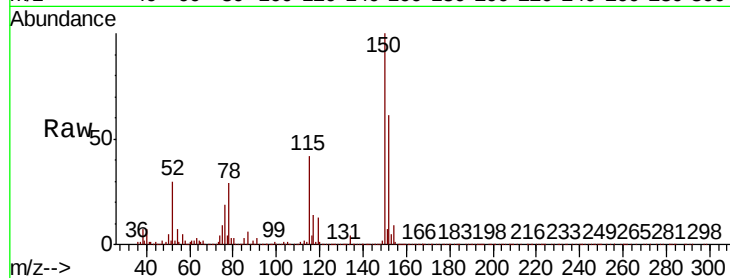
Tot Ion: 119 Resp: 29070

Ion Ratio Lower Upper

119 100

134 28.1 13.3 39.8

91 25.7 11.5 34.4



#89

n-Butylbenzene

Concen: 1.534 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013530.D

Acq: 22 Nov 2019 14:02

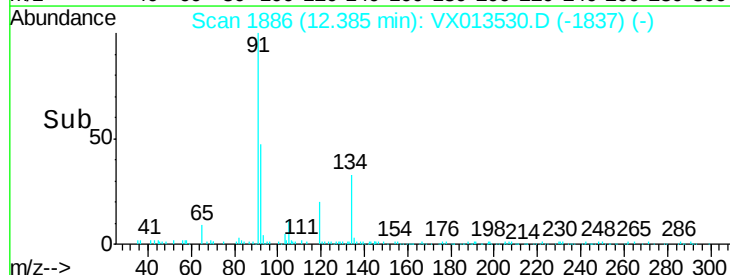
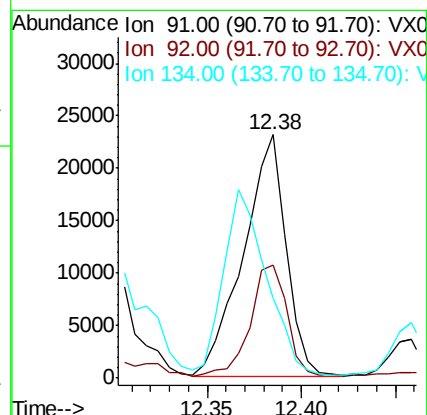
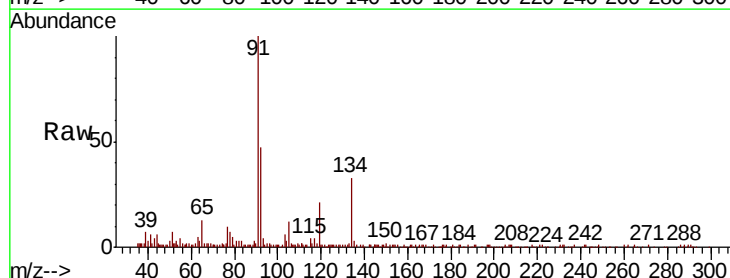
Tgt Ion: 91 Resp: 36052

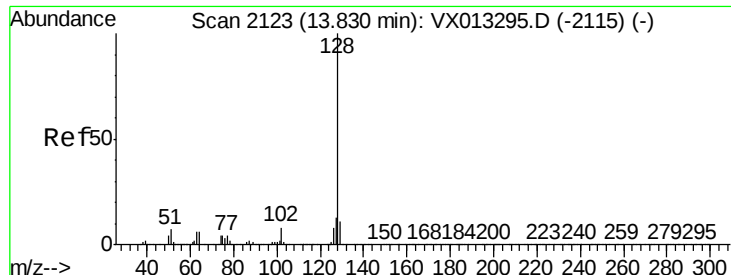
Ion Ratio Lower Upper

91 100

92 39.3 27.3 81.8

134 78.1 13.5 40.5#





#95
Naphthalene
Concen: 0.994 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013530.D
Acq: 22 Nov 2019 14:02

Instrument :
MSVOA_X
ClientSampleId :
MW-2DL2

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.2
129	13.0	8.5	12.7

