

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
 Data File : VX013496.D
 Acq On : 21 Nov 2019 12:30
 Operator : JC/SP
 Sample : K5958-03DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3DL

Quant Time: Nov 22 07:55:48 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	627324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	997188	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	900978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	467314	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	365372	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
35) Dibromofluoromethane	5.49	113	301628	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	8.71	98	1204943	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.14	95	436987	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	

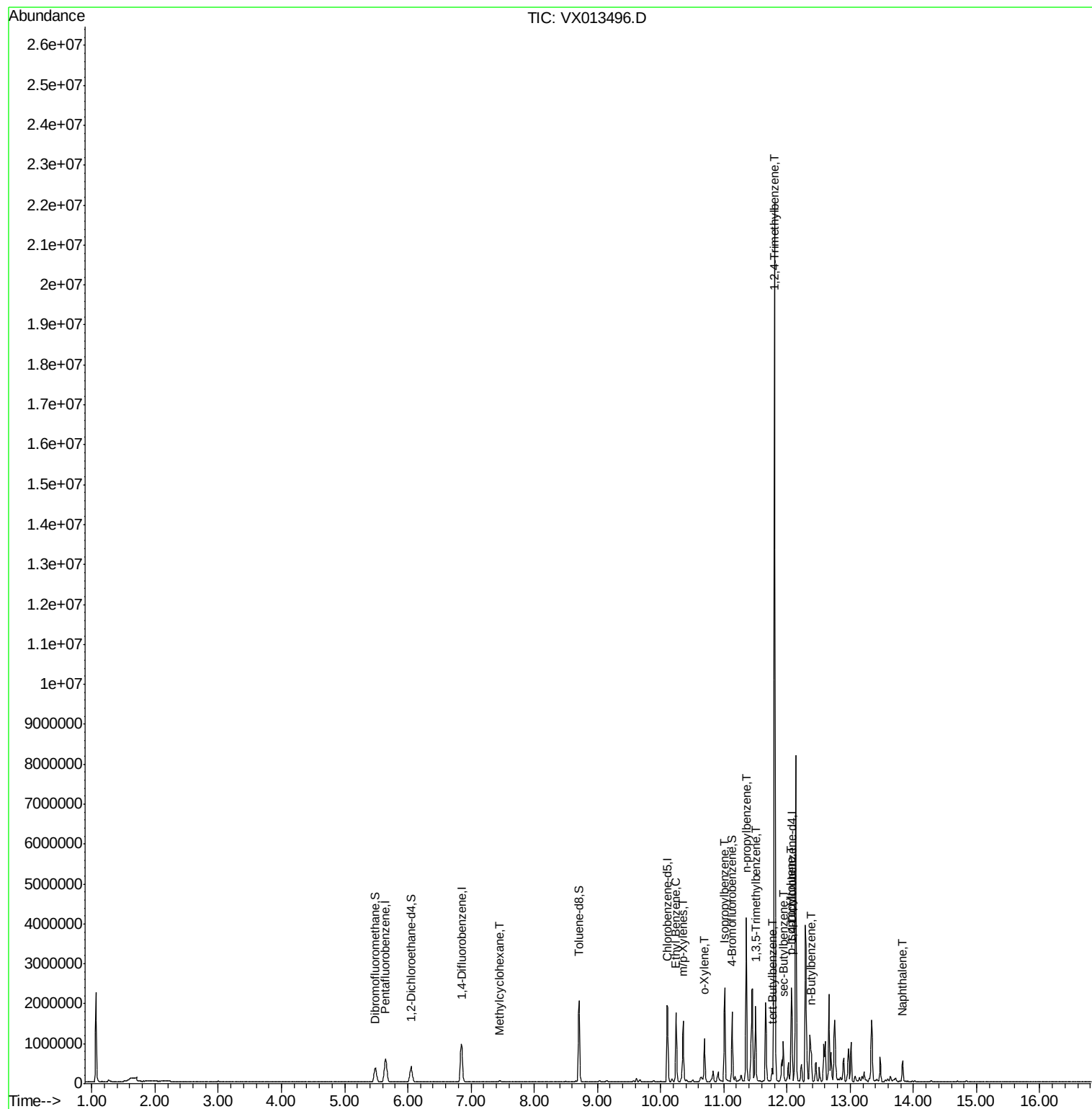
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	7.45	83	20722	1.944	ug/l	97
67) Ethyl Benzene	10.25	91	999982	31.764	ug/l	98
68) m/p-Xylenes	10.35	106	336448	28.259	ug/l	99
69) o-Xylene	10.70	106	246583	21.154	ug/l	99
73) Isopropylbenzene	11.01	105	1213699	39.172	ug/l	100
78) n-propylbenzene	11.35	91	2445930	70.868	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	804724	31.182	ug/l	100
83) tert-Butylbenzene	11.76	119	120954	4.656	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	9179669	354.580	ug/l	94
85) sec-Butylbenzene	11.94	105	536101	17.955	ug/l #	75
86) p-Isopropyltoluene	12.06	119	250546	9.113	ug/l	99
89) n-Butylbenzene	12.39	91	340144	14.178	ug/l #	67
95) Naphthalene	13.83	128	323095	10.031	ug/l	99

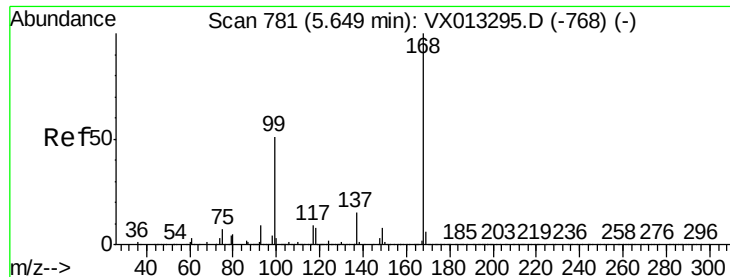
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013496.D

Acq: 21 Nov 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

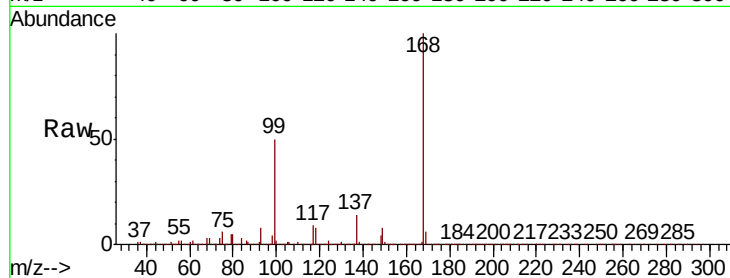
MW-3DL

Tot Ion:168 Resp: 627324

Ion Ratio Lower Upper

168 100

99 50.0 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

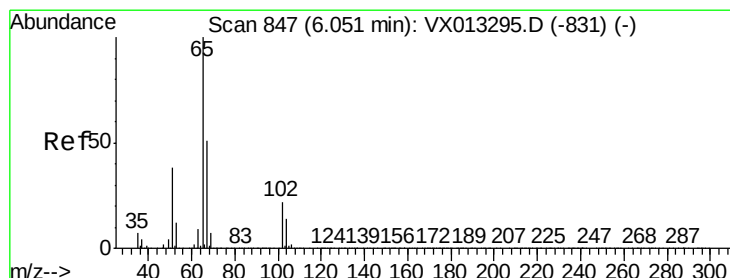
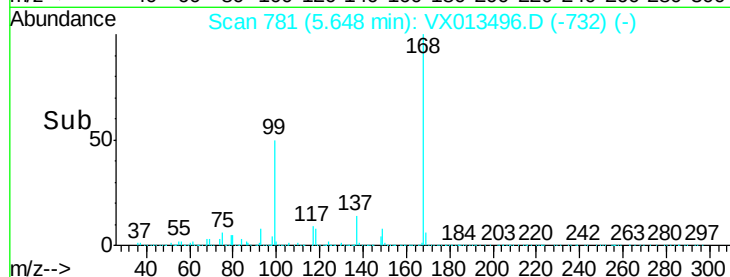
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.162 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013496.D

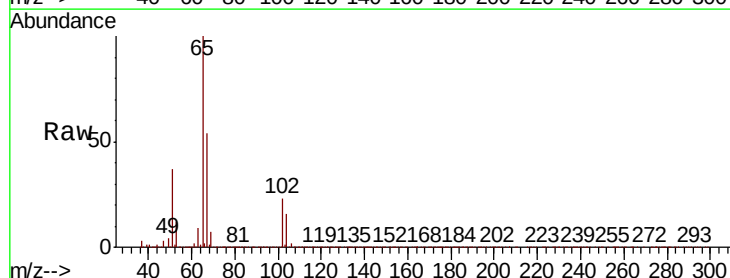
Acq: 21 Nov 2019 12:30

Tgt Ion: 65 Resp: 365372

Ion Ratio Lower Upper

65 100

67 52.7 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

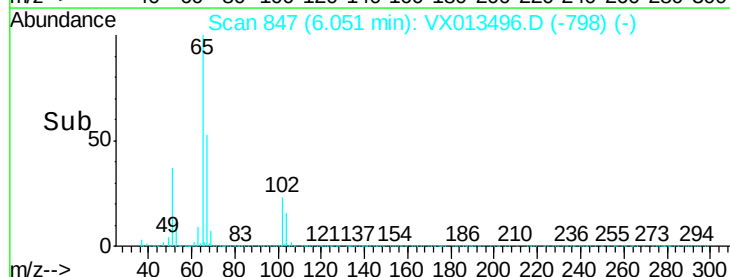
150000

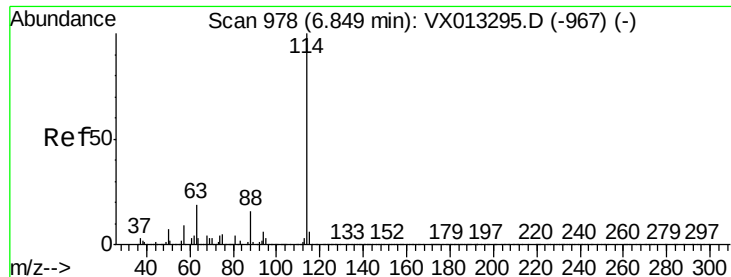
100000

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: VX013496.D

Acq: 21 Nov 2019 12:30

Instrument :

MSVOA_X

ClientSampled :

MW-3DL

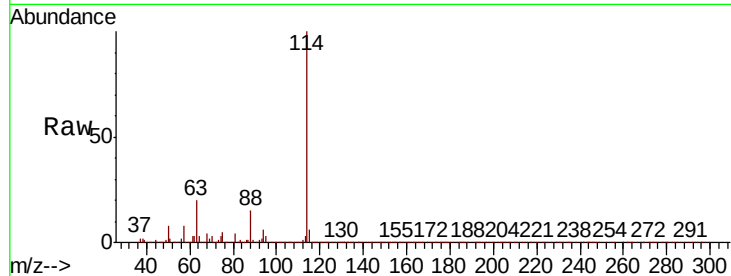
Tot Ion:114 Resp: 997188

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

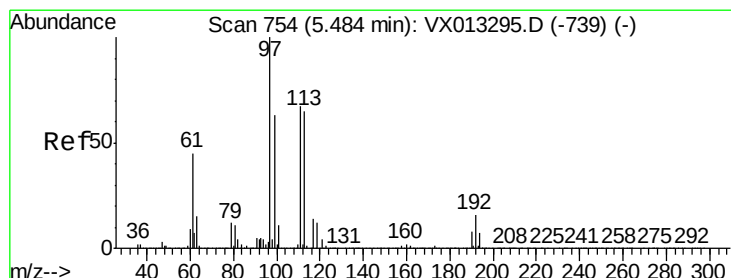
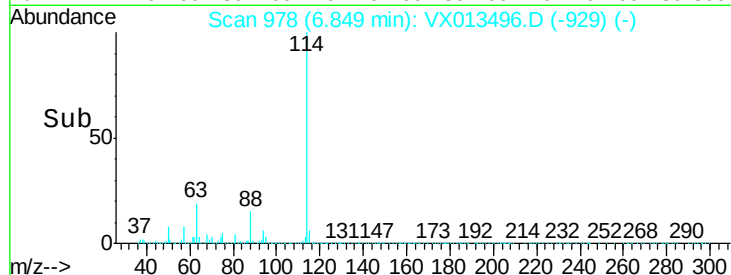
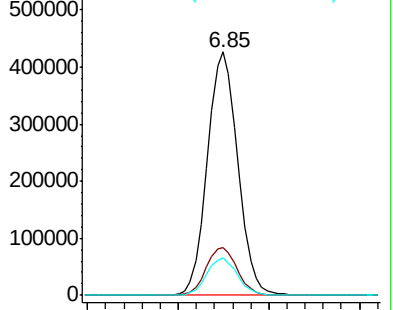
88 15.5 0.0 32.2



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: 48.226 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013496.D

Acq: 21 Nov 2019 12:30

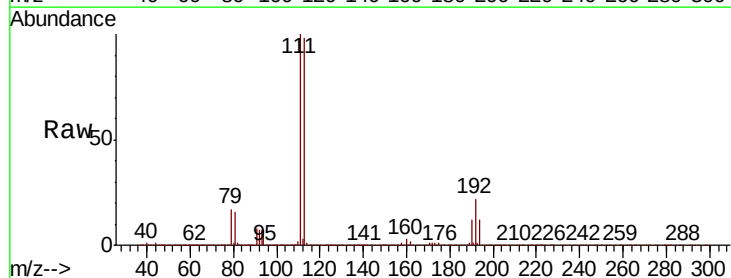
Tgt Ion:113 Resp: 301628

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

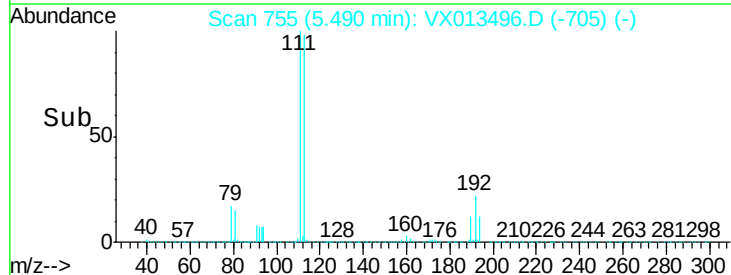
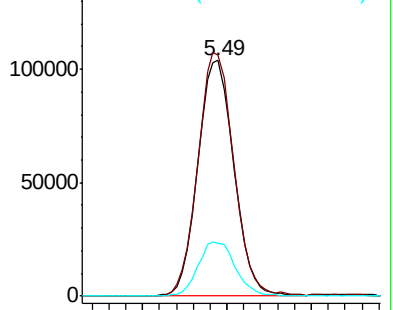
192 24.0 19.1 28.7

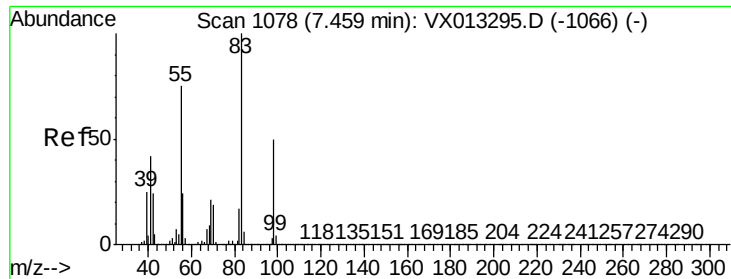


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

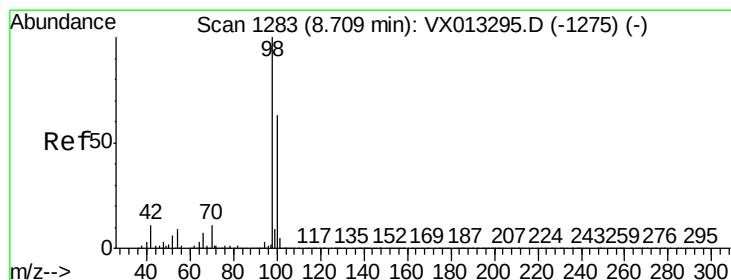
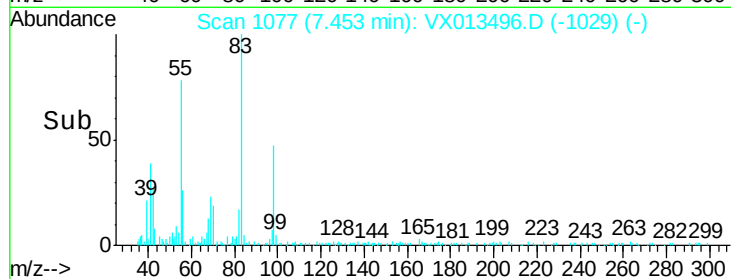
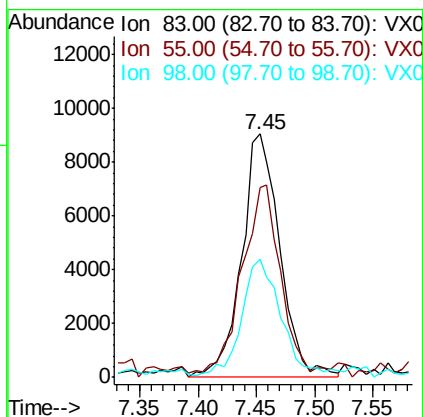
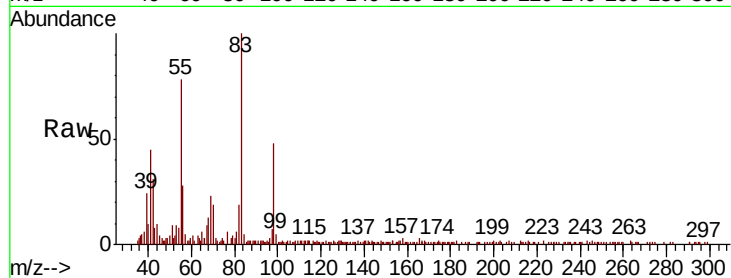




#39
Methylvlcyclohexane
Concen: 1.944 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013496.D
Acq: 21 Nov 2019 12:30

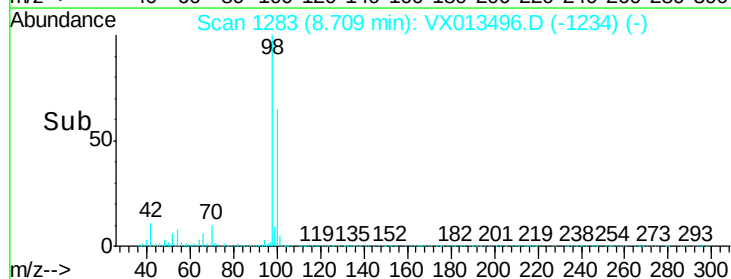
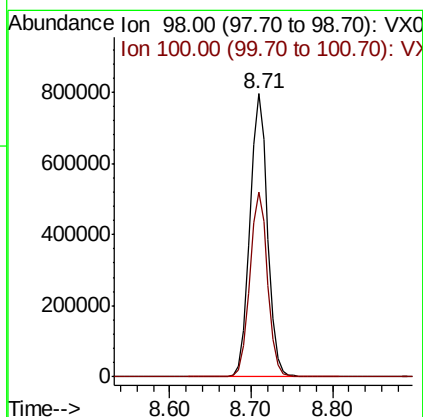
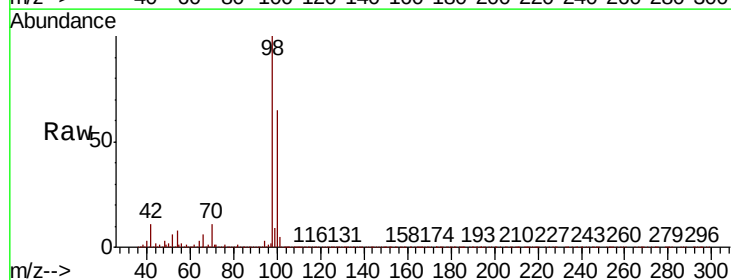
Instrument :
MSVOA_X
ClientSampleId :
MW-3DL

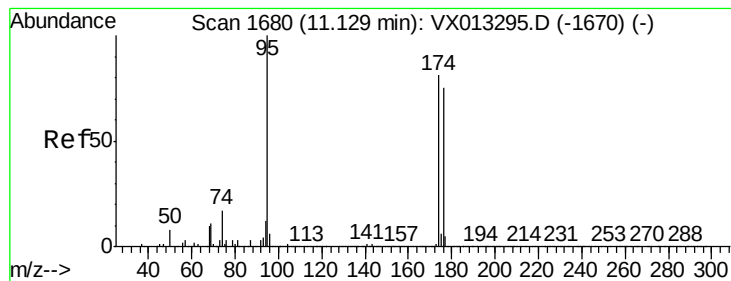
Tot Ion	83.00	Resp	20722
Ion	Ratio	Lower	Upper
83	100		
55	76.3	60.3	90.5
98	47.0	40.3	60.5



#50
Toluene-d8
Concen: 51.103 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013496.D
Acq: 21 Nov 2019 12:30

Tgt Ion	98	Resp	1204943
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





#62

4-Bromofluorobenzene

Concen: 51.352 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013496.D

Acq: 21 Nov 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

MW-3DL

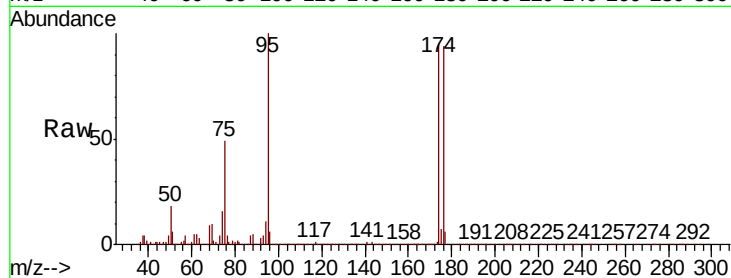
Tot Ion: 95 Resp: 436987

Ion Ratio Lower Upper

95 100

174 90.8 0.0 179.8

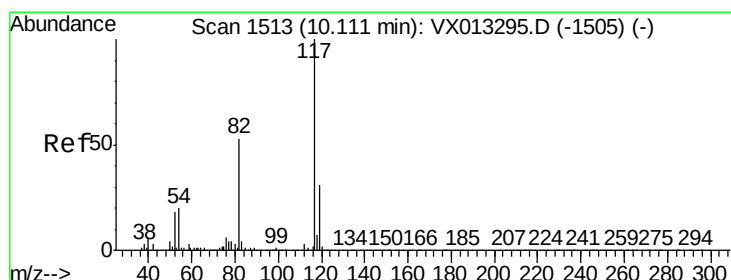
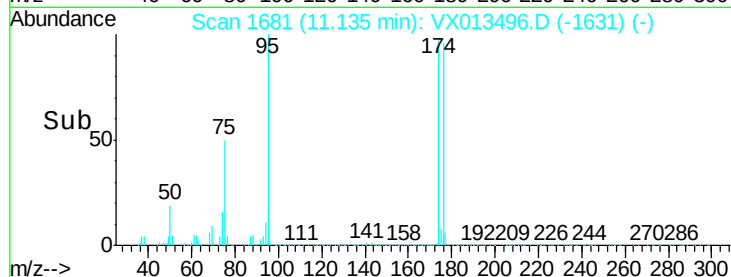
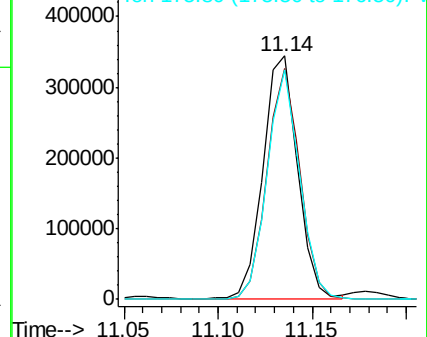
176 88.9 0.0 173.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013496.D

Acq: 21 Nov 2019 12:30

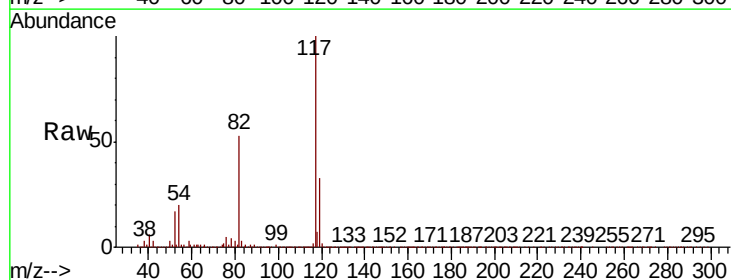
Tgt Ion: 117 Resp: 900978

Ion Ratio Lower Upper

117 100

82 53.1 42.6 64.0

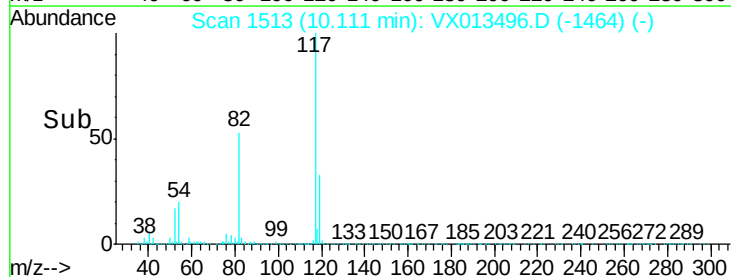
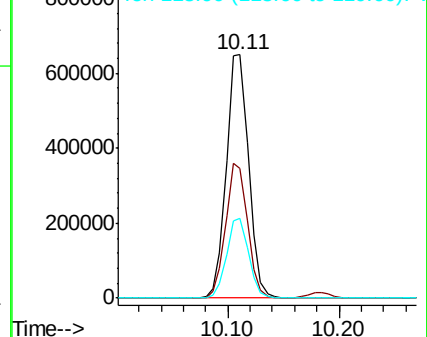
119 33.0 24.8 37.2

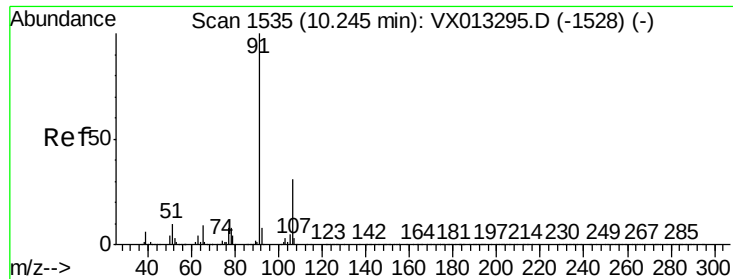


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 31.764 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013496.D

Acq: 21 Nov 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

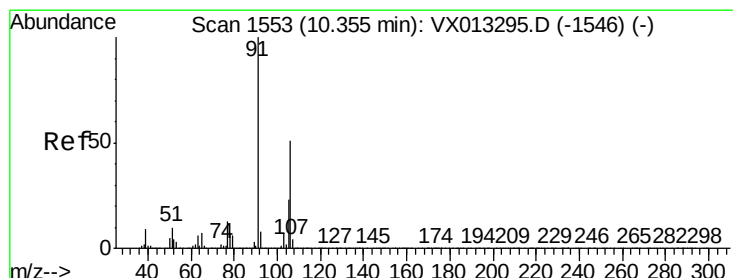
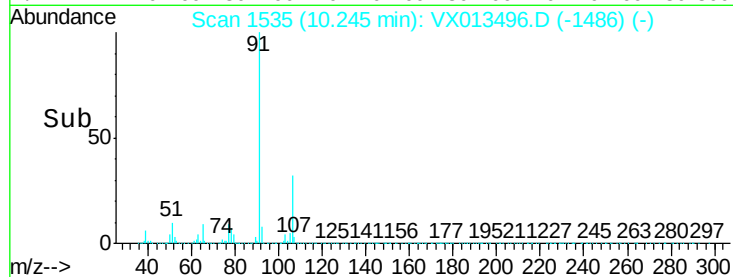
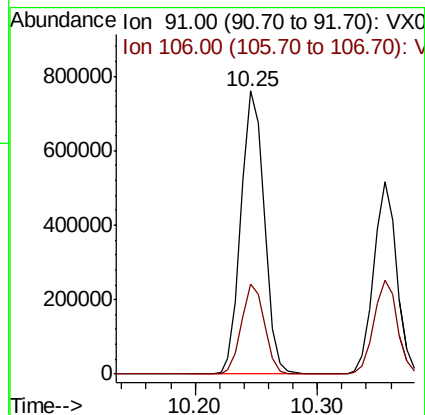
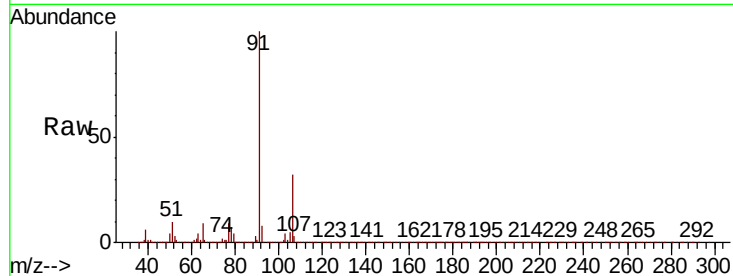
MW-3DL

Tot Ion: 91 Resp: 999982

Ion Ratio Lower Upper

91 100

106 31.9 24.6 36.8



#68

m/p-Xylenes

Concen: 28.259 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013496.D

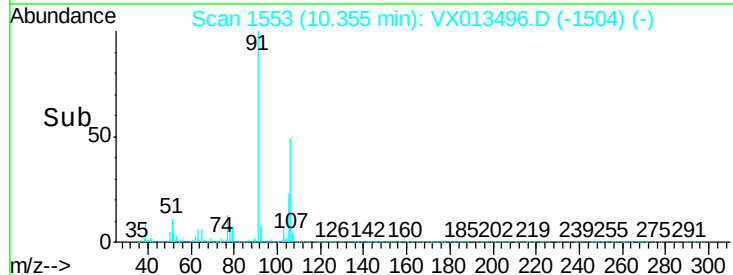
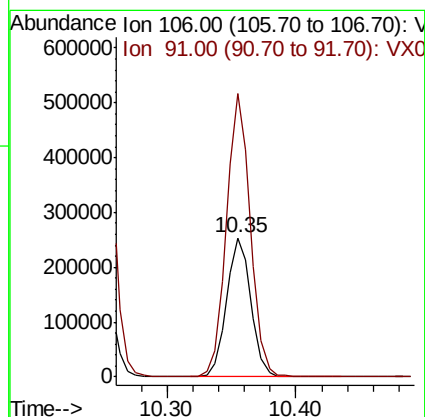
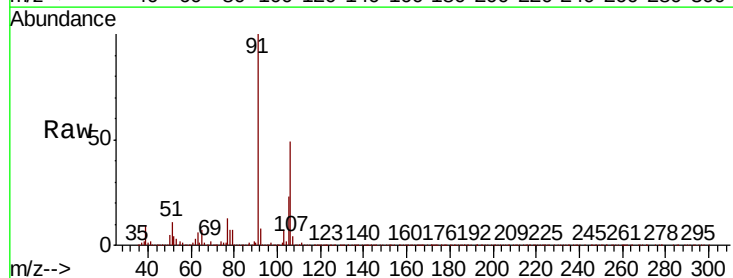
Acq: 21 Nov 2019 12:30

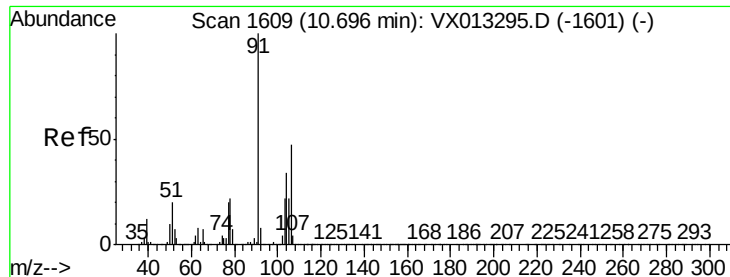
Tgt Ion: 106 Resp: 336448

Ion Ratio Lower Upper

106 100

91 200.2 159.3 238.9

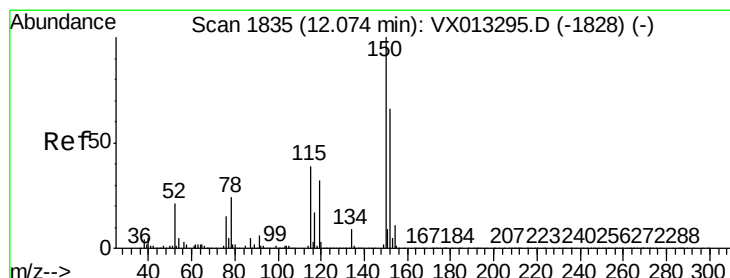
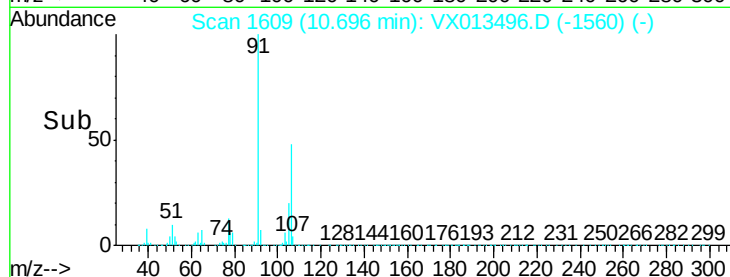
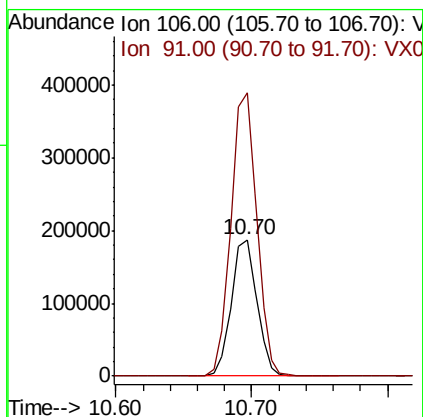
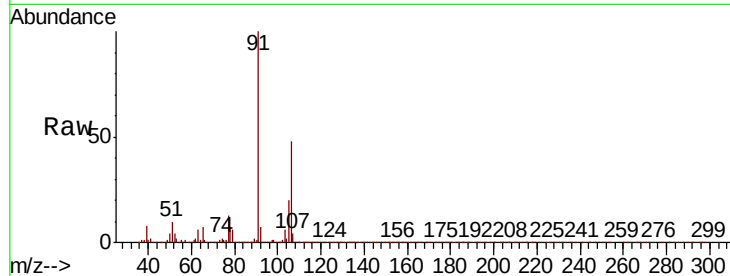




#69
o-Xylene
Concen: 21.154 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013496.D
Acq: 21 Nov 2019 12:30

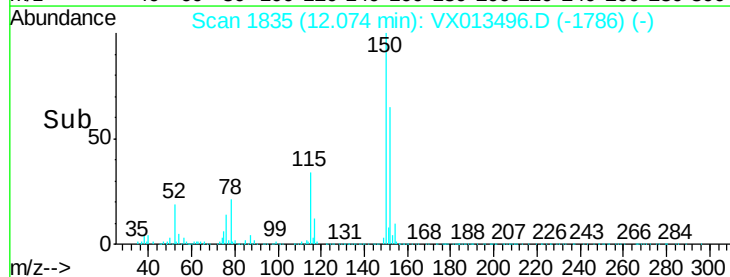
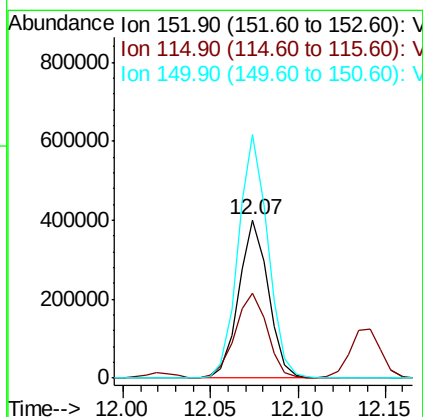
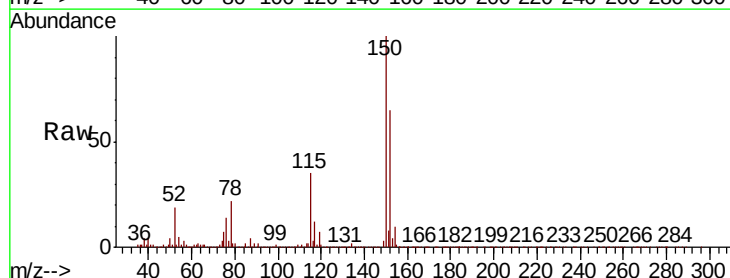
Instrument :
MSVOA_X
ClientSampled :
MW-3DL

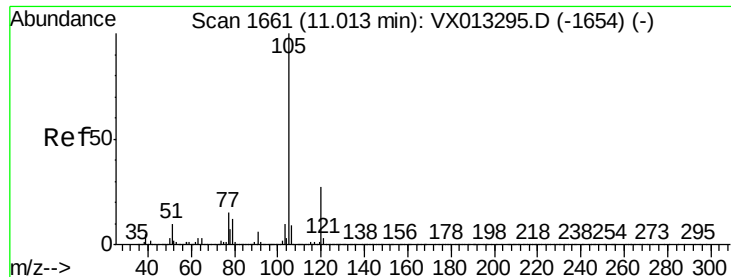
Tot Ion:106 Resp: 246583
Ion Ratio Lower Upper
106 100
91 209.7 105.7 317.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013496.D
Acq: 21 Nov 2019 12:30

Tgt Ion:152 Resp: 467314
Ion Ratio Lower Upper
152 100
115 58.9 39.5 118.3
150 155.1 0.0 344.4





#73

Isopropylbenzene

Concen: 39.172 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013496.D

Acq: 21 Nov 2019 12:30

Instrument :

MSVOA_X

ClientSampled :

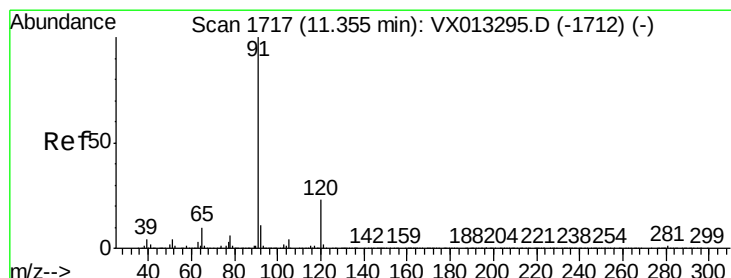
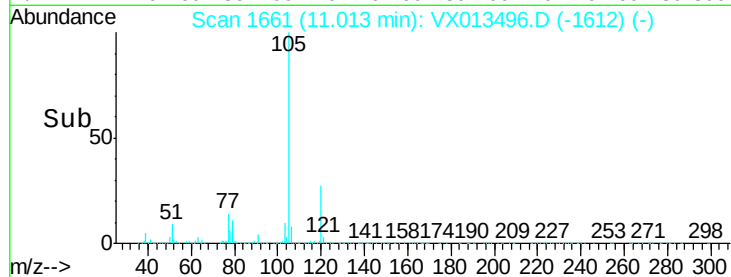
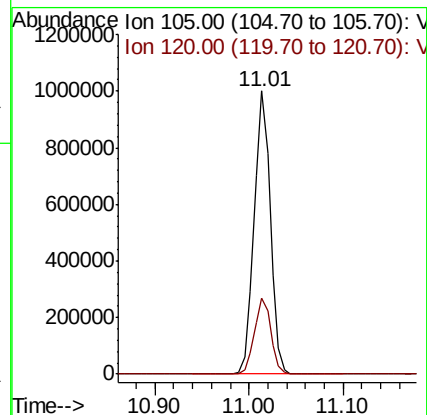
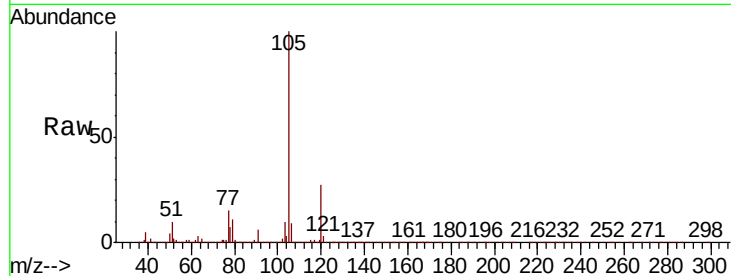
MW-3DL

Tot Ion:105 Resp: 1213699

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



#78

n-propylbenzene

Concen: 70.868 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013496.D

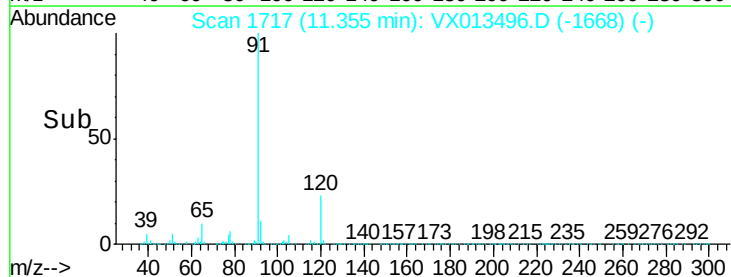
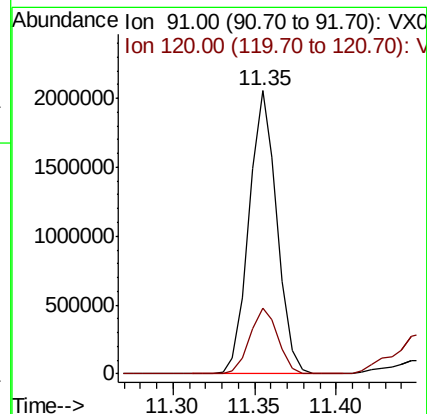
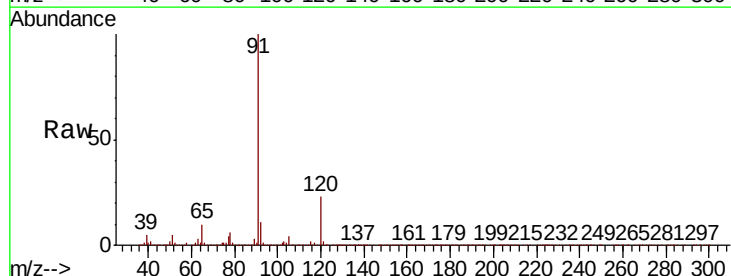
Acq: 21 Nov 2019 12:30

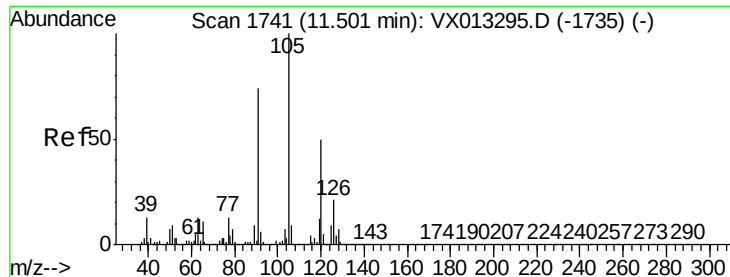
Tgt Ion: 91 Resp: 2445930

Ion Ratio Lower Upper

91 100

120 23.5 11.6 34.8

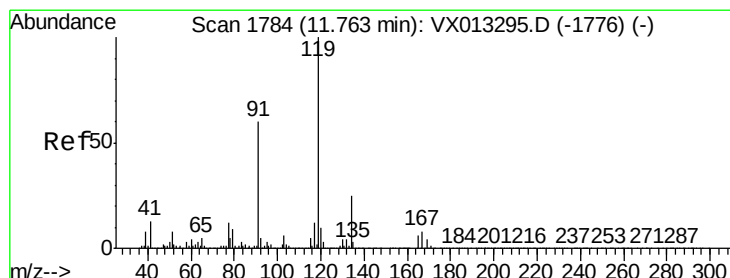
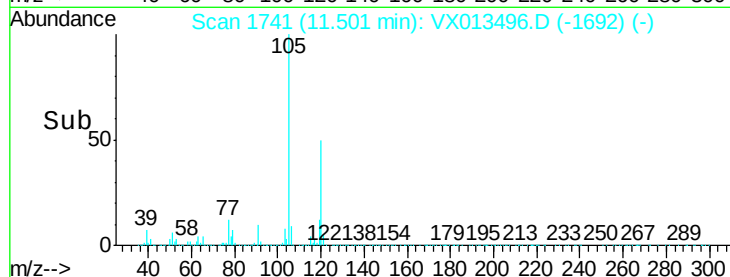
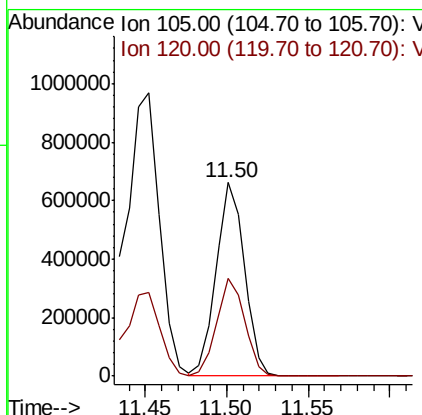
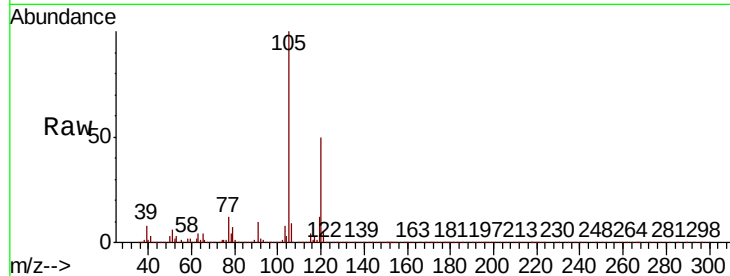




#80
 1,3,5-Trimethylbenzene
 Concen: 31.182 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013496.D
 Acq: 21 Nov 2019 12:30

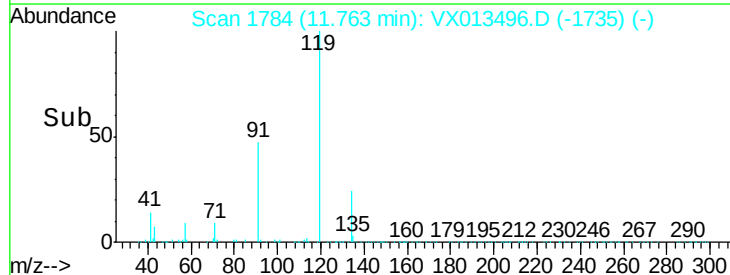
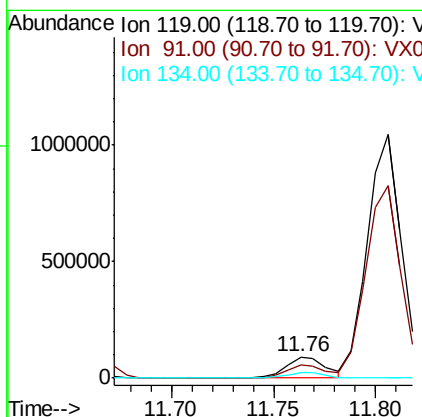
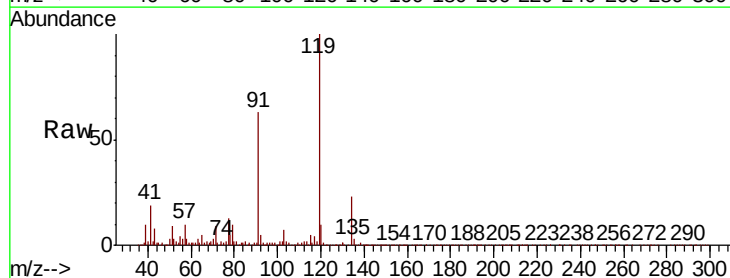
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3DL

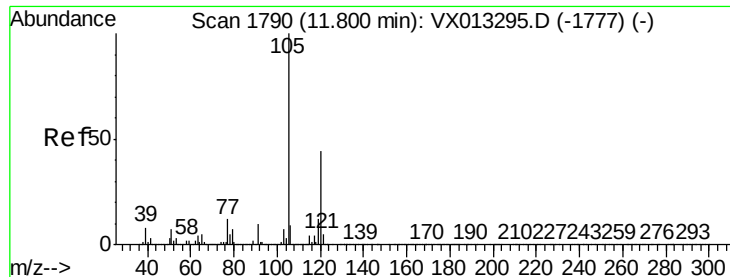
Tot Ion:105 Resp: 804724
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.8



#83
 tert-Butylbenzene
 Concen: 4.656 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX013496.D
 Acq: 21 Nov 2019 12:30

Tgt Ion:119 Resp: 120954
 Ion Ratio Lower Upper
 119 100
 91 64.9 26.9 80.7
 134 24.6 11.7 35.1

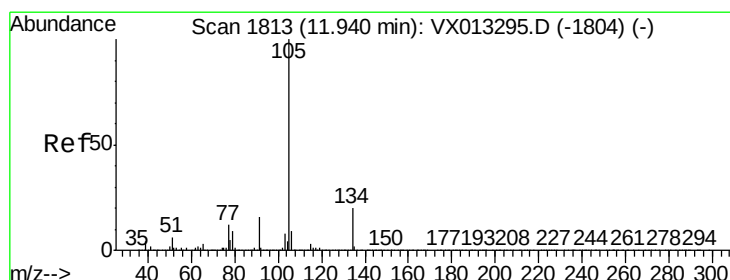
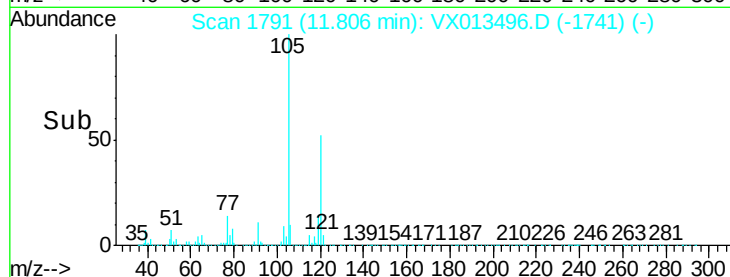
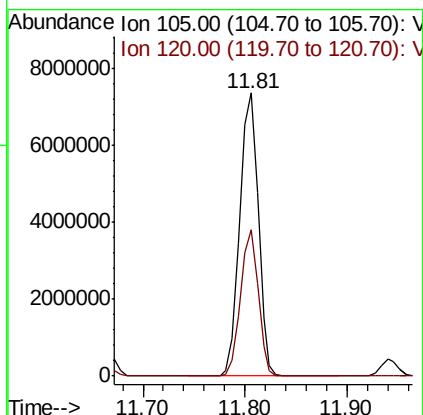
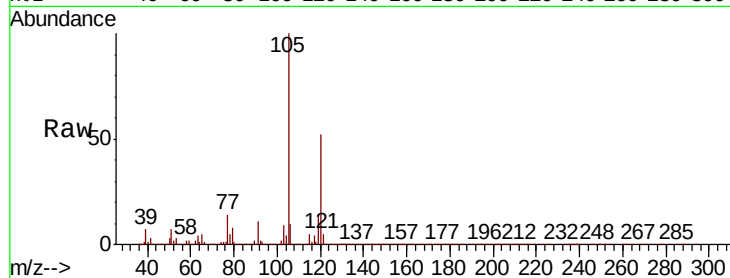




#84
 1,2,4-Trimethylbenzene
 Concen: 354.580 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX013496.D
 Acq: 21 Nov 2019 12:30

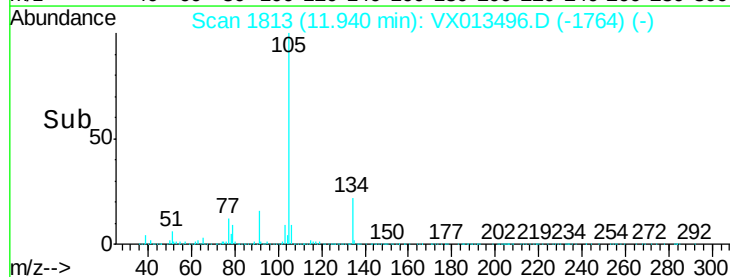
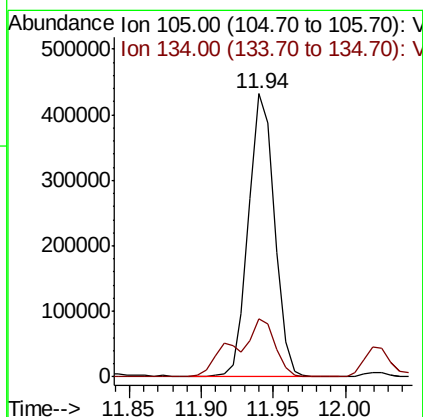
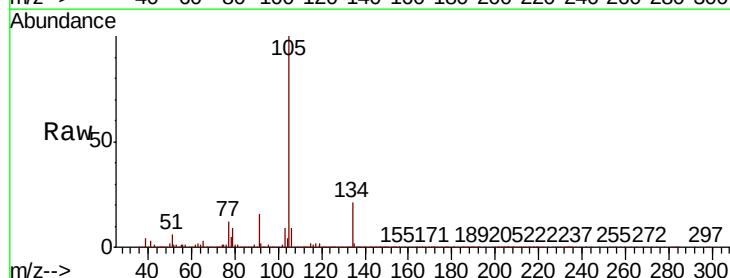
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3DL

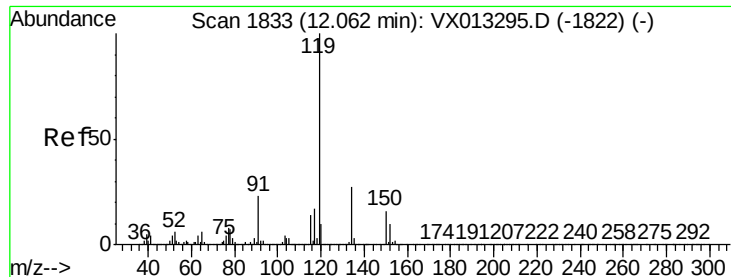
Tot Ion:105 Resp: 9179669
 Ion Ratio Lower Upper
 105 100
 120 49.6 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 17.955 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013496.D
 Acq: 21 Nov 2019 12:30

Tgt Ion:105 Resp: 536101
 Ion Ratio Lower Upper
 105 100
 134 32.0 10.3 30.9#

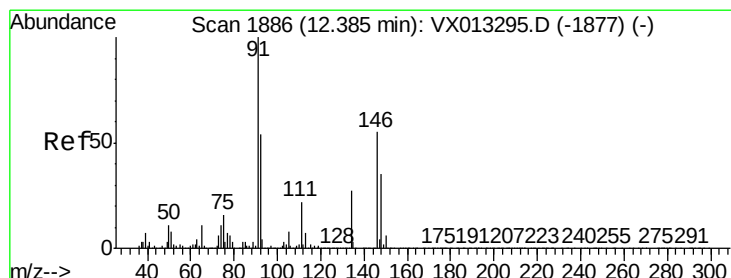
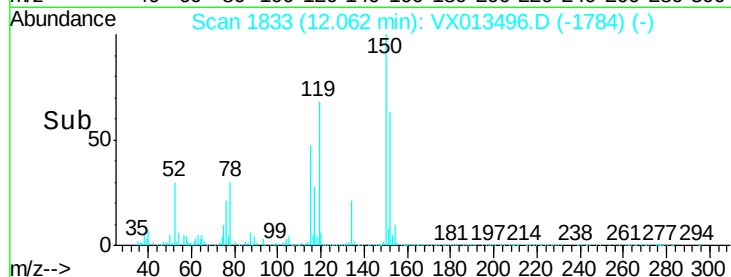
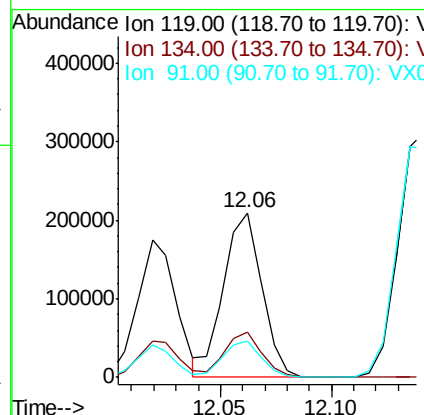
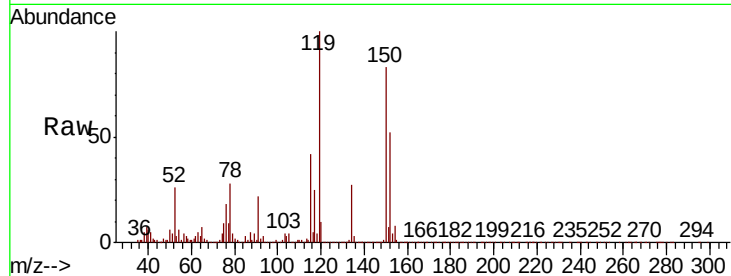




#86
p-Isopropyltoluene
Concen: 9.113 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX013496.D
Acq: 21 Nov 2019 12:30

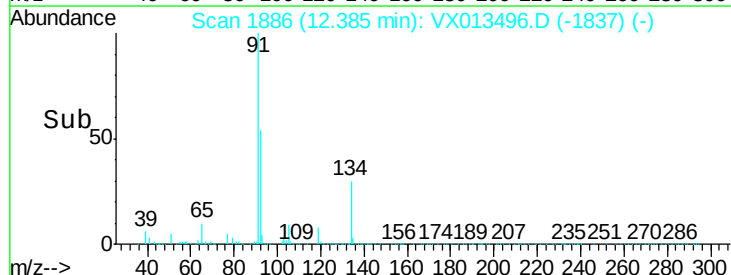
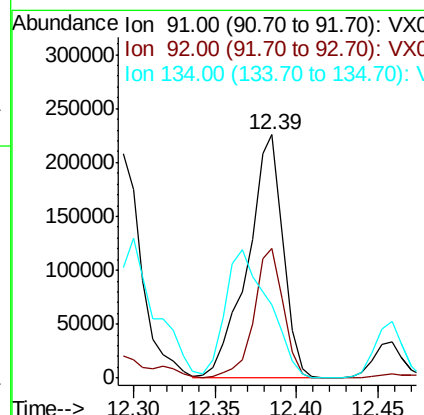
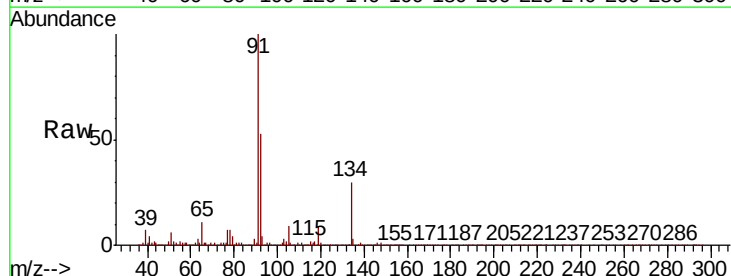
Instrument :
MSVOA_X
ClientSampled :
MW-3DL

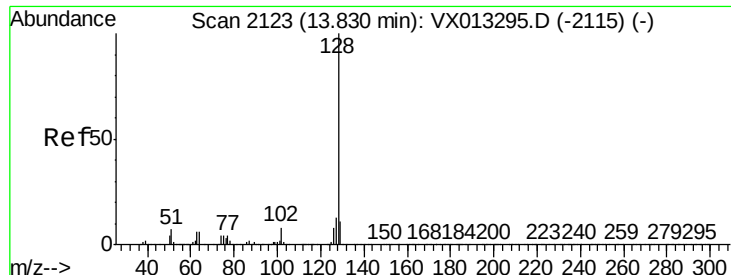
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.3	39.8
91	22.1	11.5	34.4



#89
n-Butylbenzene
Concen: 14.178 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013496.D
Acq: 21 Nov 2019 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	44.7	27.3	81.8
134	64.5	13.5	40.5





#95
Naphthalene
Concen: 10.031 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013496.D
Acq: 21 Nov 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
MW-3DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.8	8.5	12.7

