

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013537.D
 Acq On : 22 Nov 2019 16:45
 Operator : JC/SP
 Sample : K5958-02DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

Quant Time: Nov 22 17:20:34 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	681088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1110214	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	996446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	459090	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	400094	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
35) Dibromofluoromethane	5.49	113	336686	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	8.71	98	1323577	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	11.13	95	464079	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	

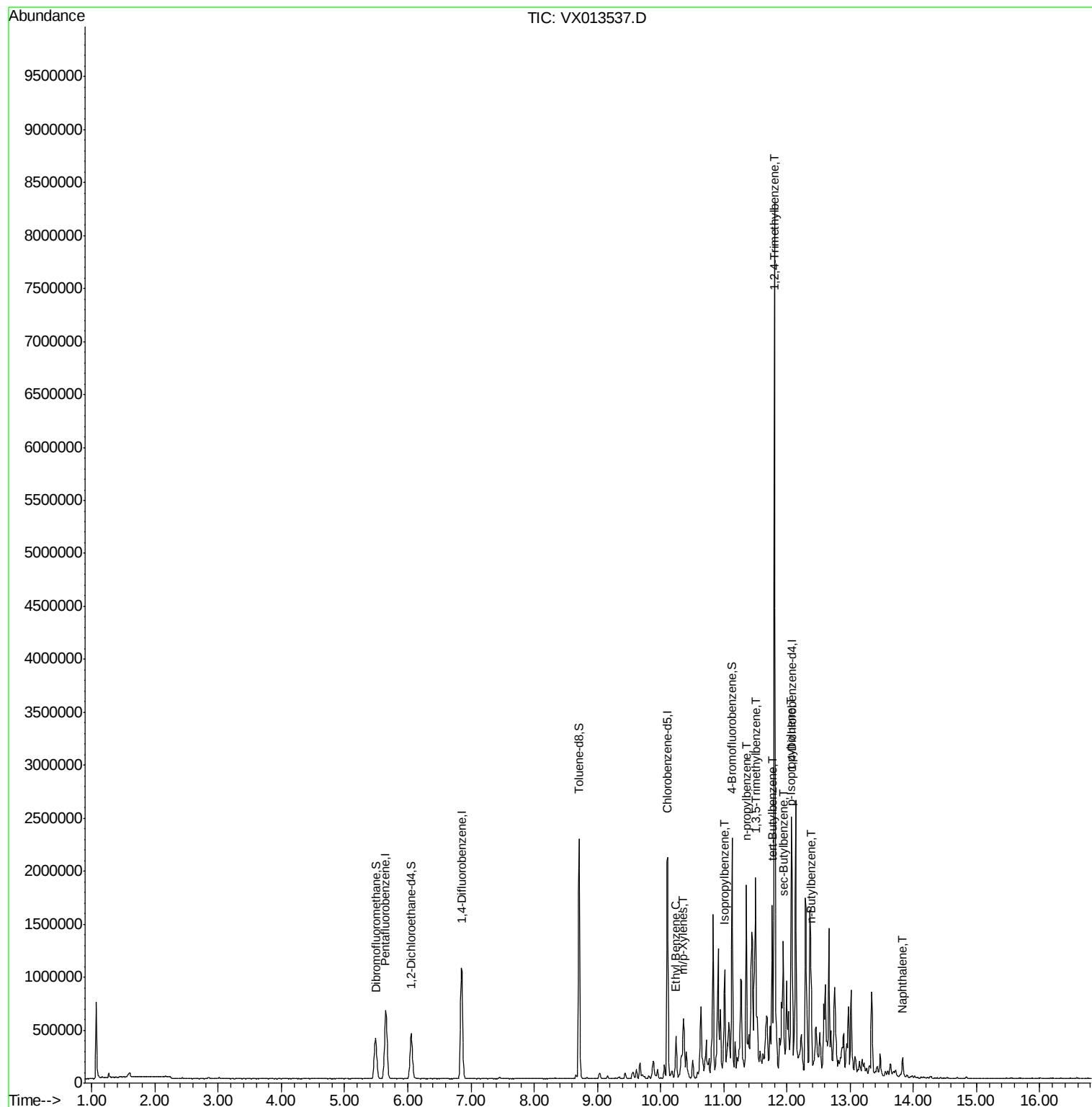
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
67) Ethyl Benzene	10.25	91	198417	5.699	ug/l	100
68) m/p-Xylenes	10.35	106	82176	6.241	ug/l	98
73) Isopropylbenzene	11.01	105	459544	15.098	ug/l	100
78) n-propylbenzene	11.35	91	1030558	30.394	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	666514	26.289	ug/l	99
83) tert-Butylbenzene	11.76	119	66875	2.620	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	3470594	136.459	ug/l	97
85) sec-Butylbenzene	11.94	105	387810	13.221	ug/l	98
86) p-Isopropyltoluene	12.06	119	184590	6.834	ug/l	98
89) n-Butylbenzene	12.38	91	285947	12.133	ug/l #	61
95) Naphthalene	13.83	128	118005	3.729	ug/l	97

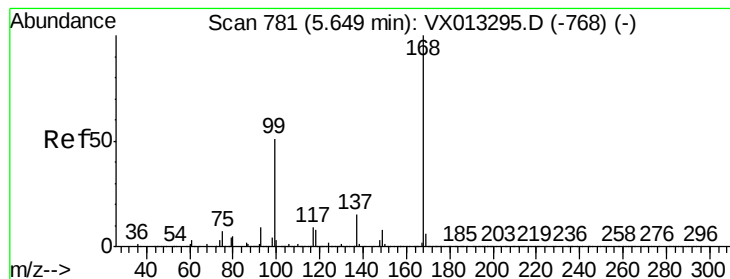
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampled :

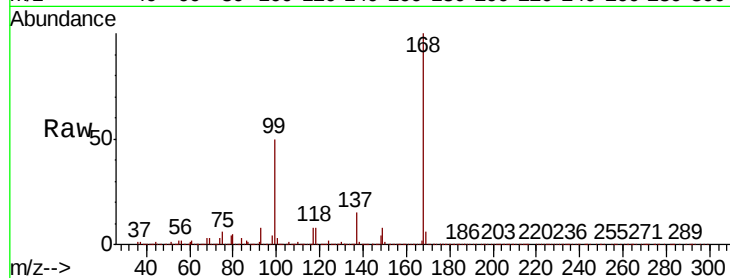
MW-2DL

Tot Ion:168 Resp: 681088

Ion Ratio Lower Upper

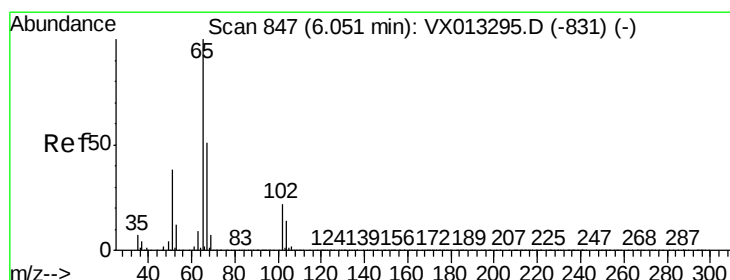
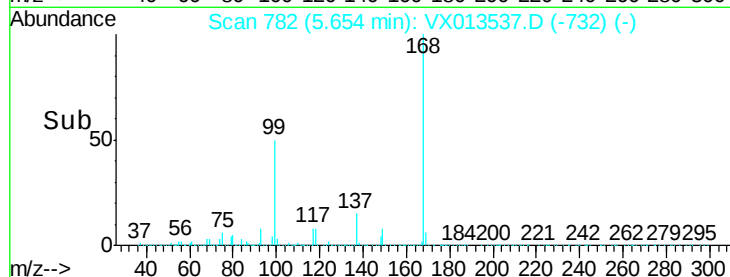
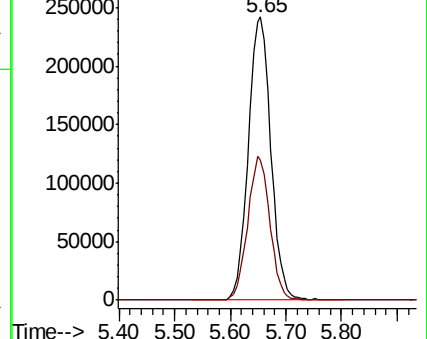
168 100

99 49.5 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: 49.585 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013537.D

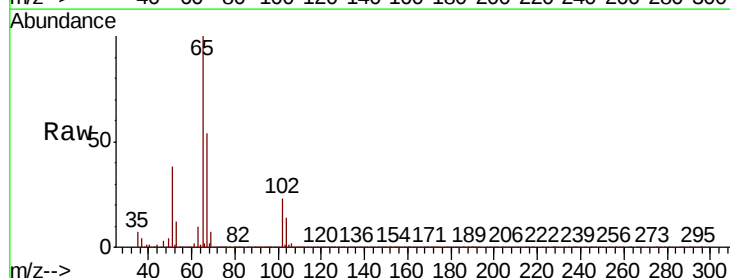
Acq: 22 Nov 2019 16:45

Tgt Ion: 65 Resp: 400094

Ion Ratio Lower Upper

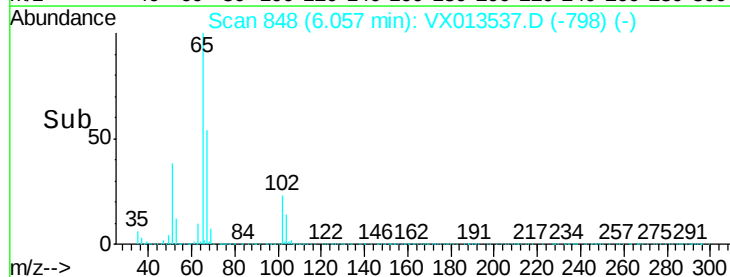
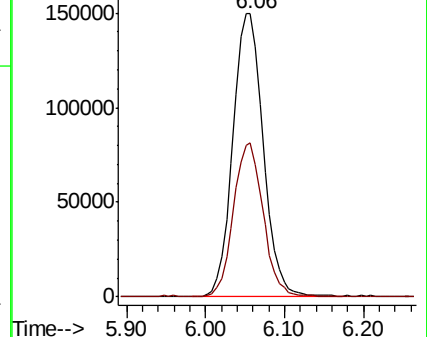
65 100

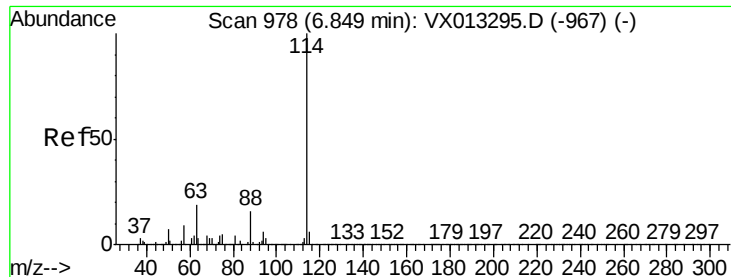
67 53.1 0.0 104.2



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: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

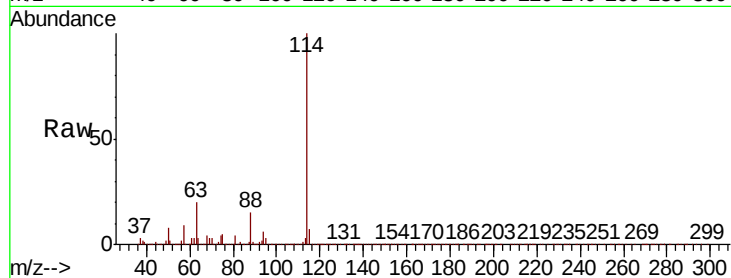
Tot Ion:114 Resp: 1110214

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

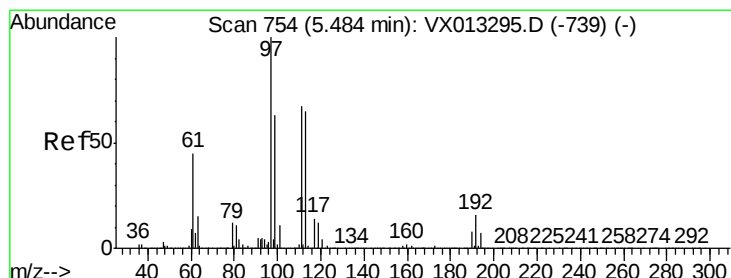
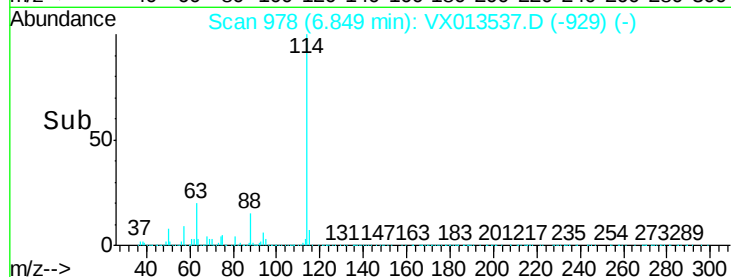
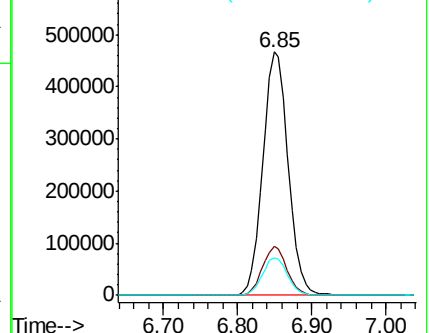
88 15.3 0.0 32.2



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: 48.351 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

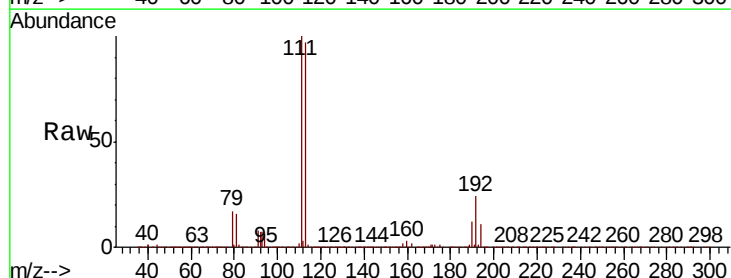
Tgt Ion:113 Resp: 336686

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

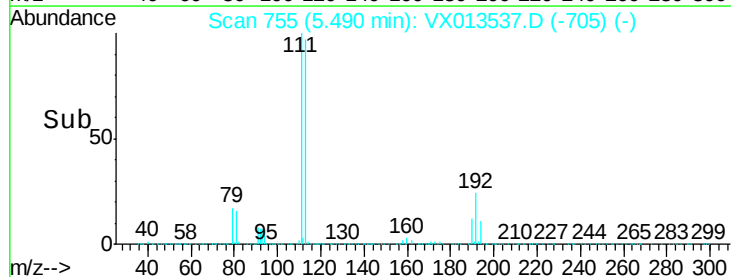
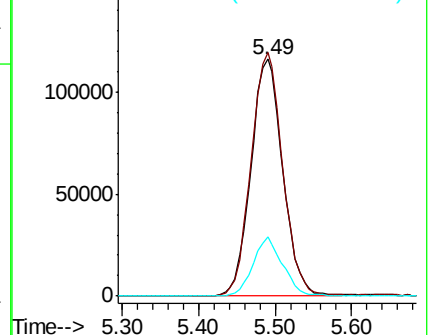
192 23.2 19.1 28.7

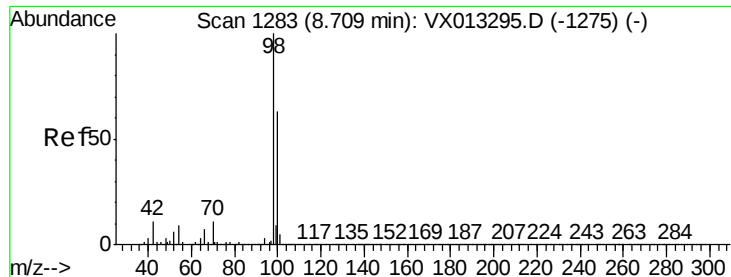


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.419 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

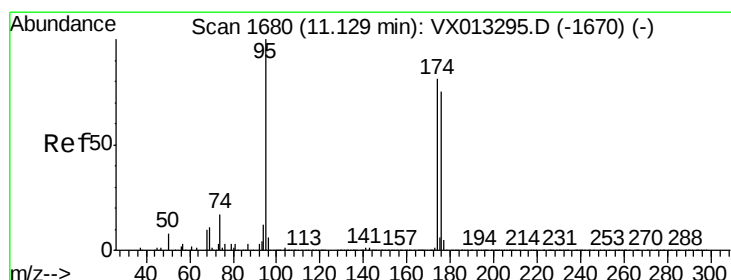
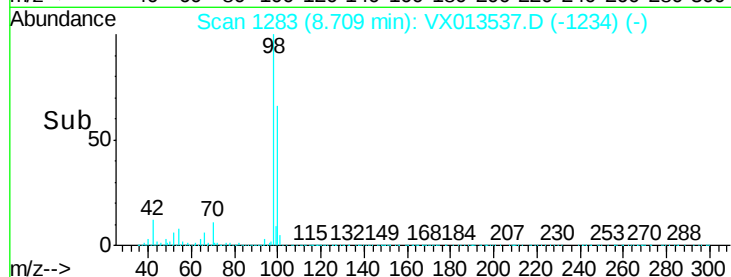
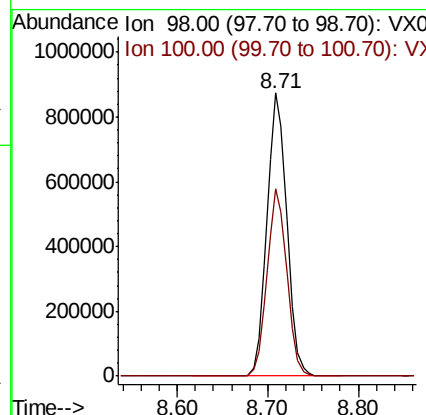
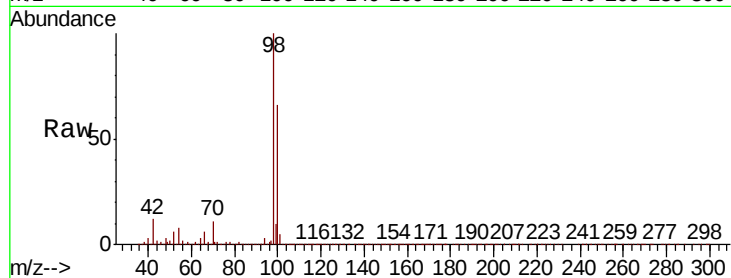
MW-2DL

Tot Ion: 98 Resp: 1323577

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.983 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

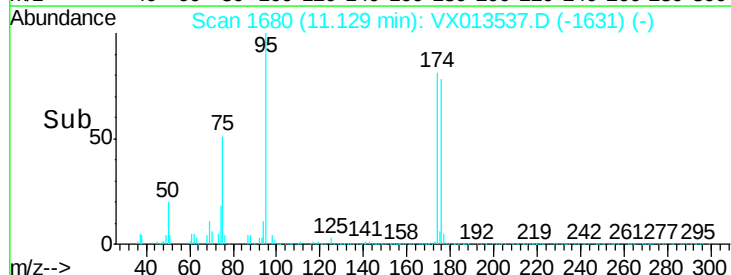
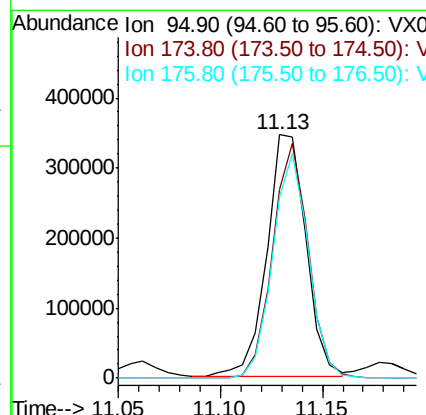
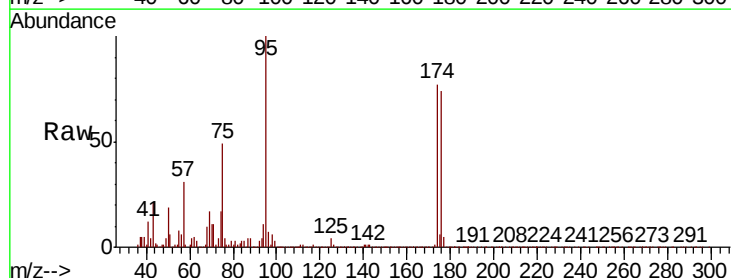
Tgt Ion: 95 Resp: 464079

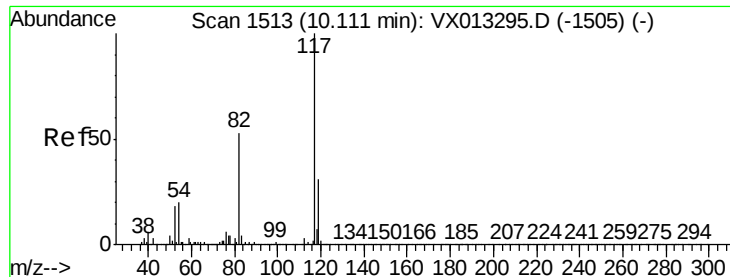
Ion Ratio Lower Upper

95 100

174 88.0 0.0 179.8

176 85.0 0.0 173.0

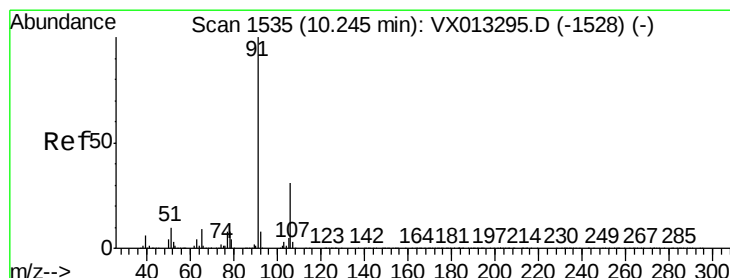
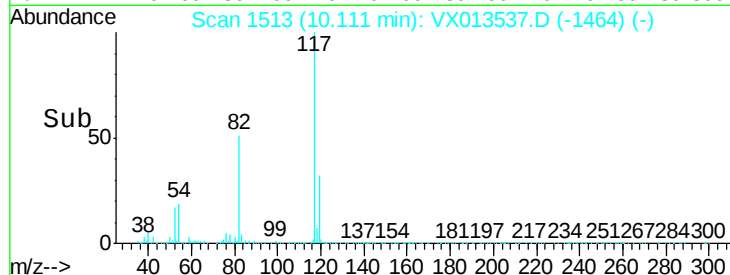
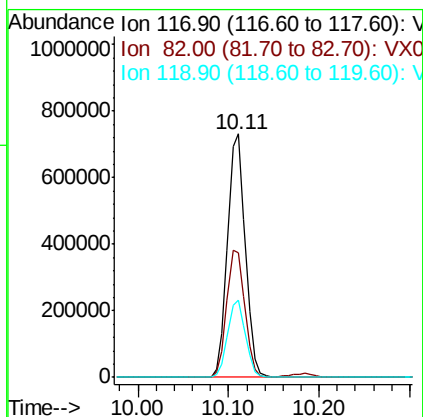
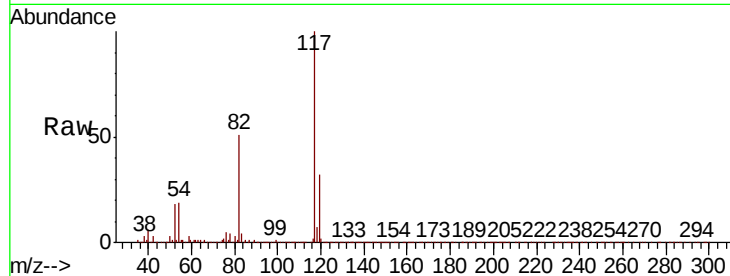




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013537.D
Acq: 22 Nov 2019 16:45

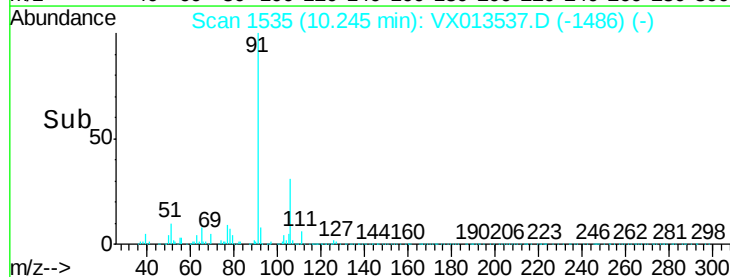
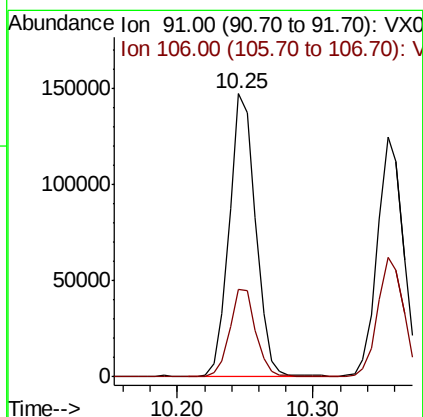
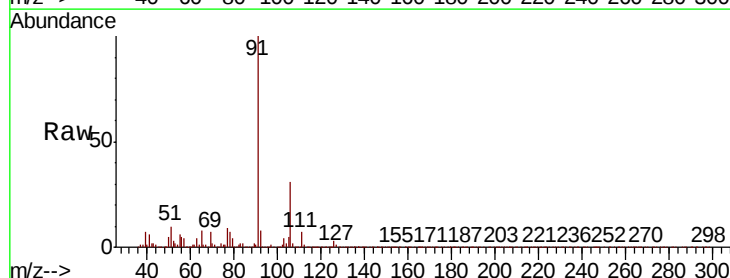
Instrument :
MSVOA_X
ClientSampled :
MW-2DL

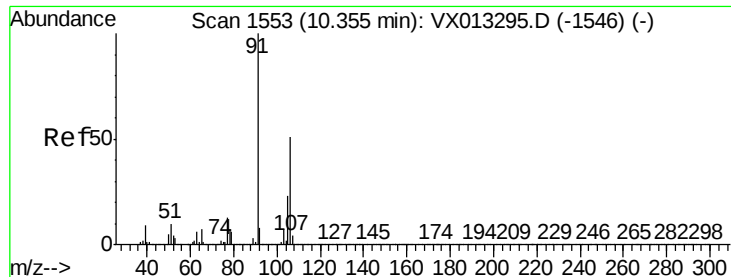
Tot Ion:117 Resp: 996446
Ion Ratio Lower Upper
117 100
82 51.0 42.6 64.0
119 31.7 24.8 37.2



#67
Ethyl Benzene
Concen: 5.699 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013537.D
Acq: 22 Nov 2019 16:45

Tgt Ion: 91 Resp: 198417
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8





#68

m/p-Xvlenes

Concen: 6.241 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

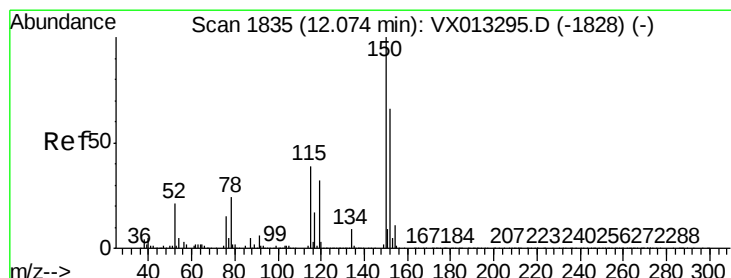
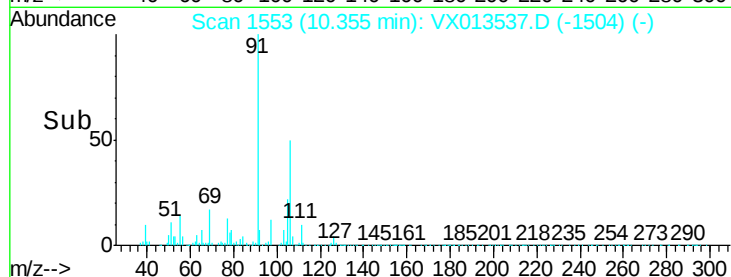
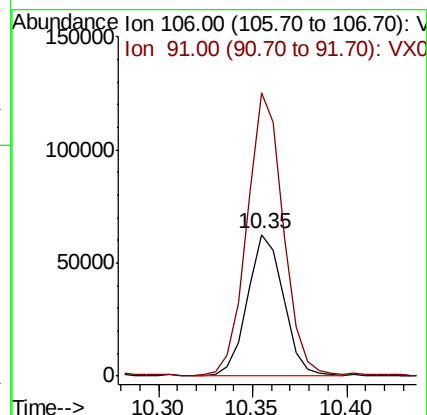
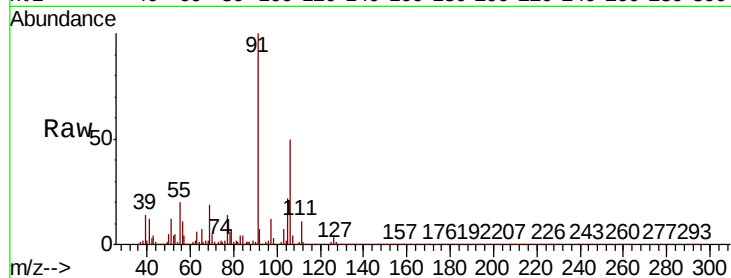
MW-2DL

Tot Ion:106 Resp: 82176

Ion Ratio Lower Upper

106 100

91 202.2 159.3 238.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

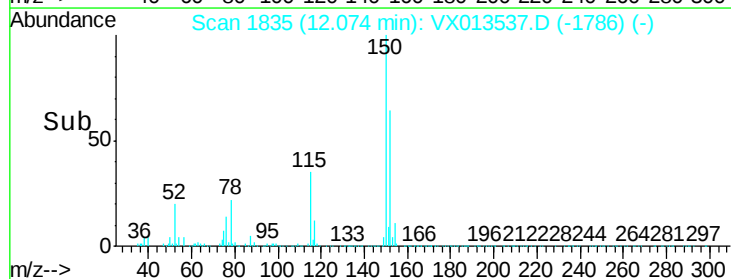
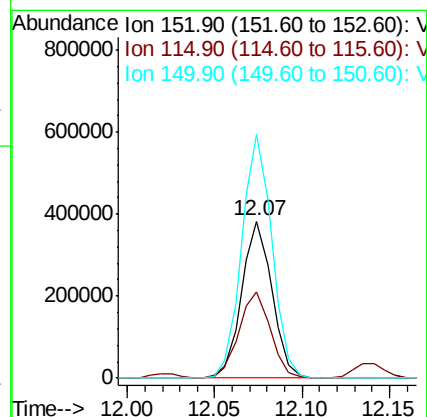
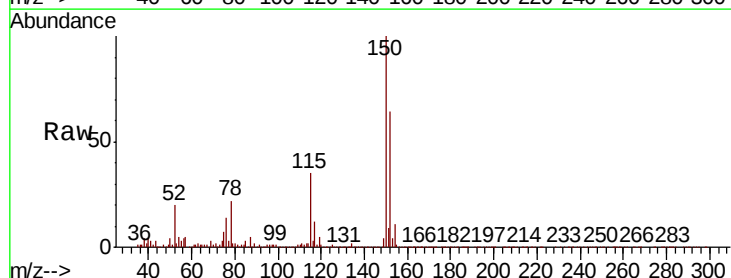
Tgt Ion:152 Resp: 459090

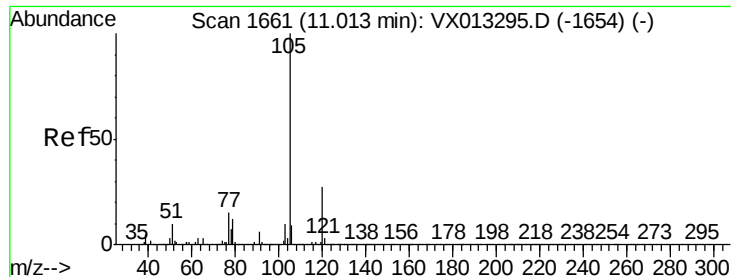
Ion Ratio Lower Upper

152 100

115 57.1 39.5 118.3

150 155.2 0.0 344.4





#73

Isopropylbenzene

Concen: 15.098 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

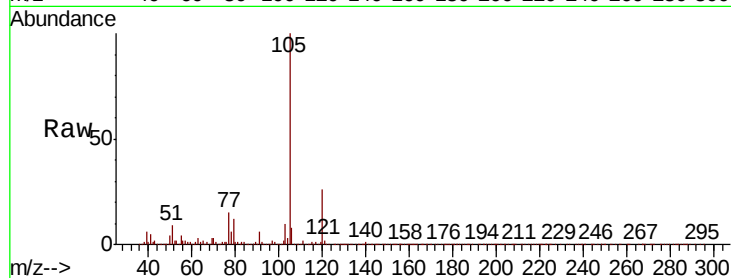
MW-2DL

Tot Ion:105 Resp: 459544

Ion Ratio Lower Upper

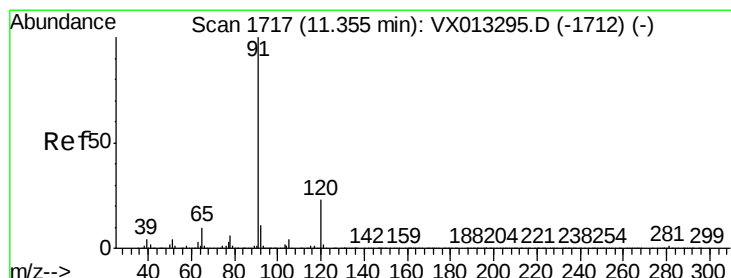
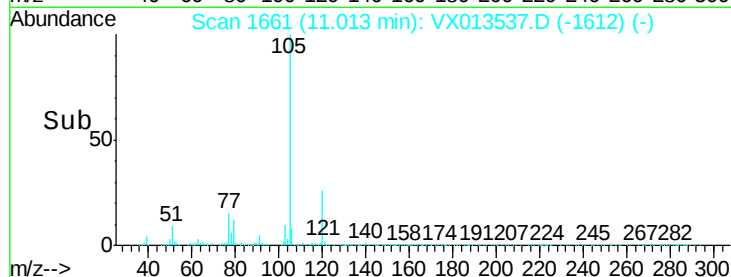
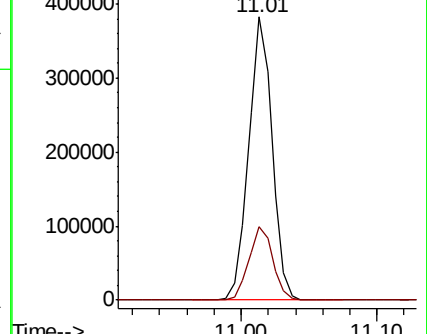
105 100

120 26.8 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: 30.394 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013537.D

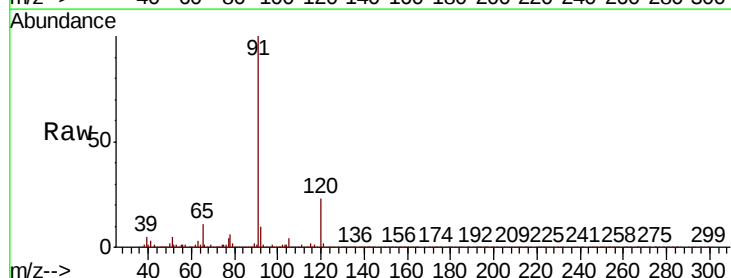
Acq: 22 Nov 2019 16:45

Tgt Ion: 91 Resp: 1030558

Ion Ratio Lower Upper

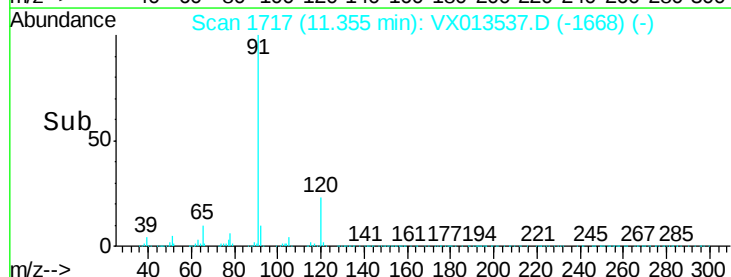
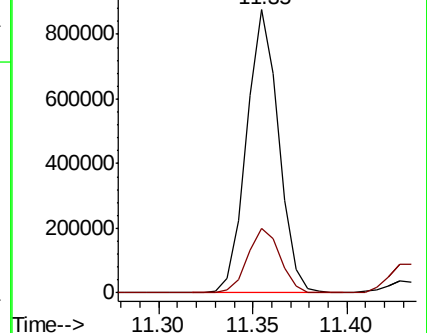
91 100

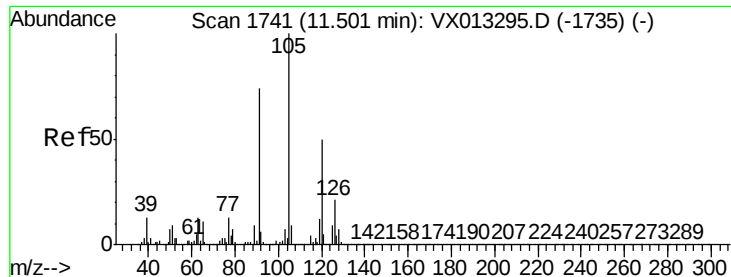
120 23.1 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

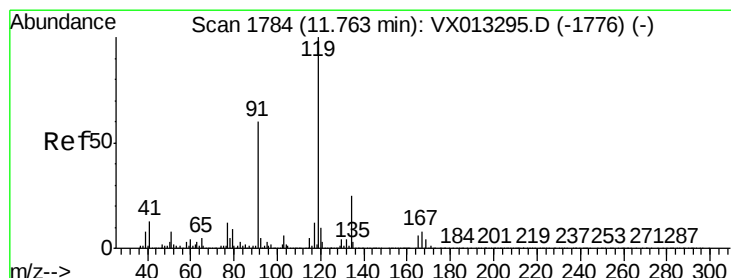
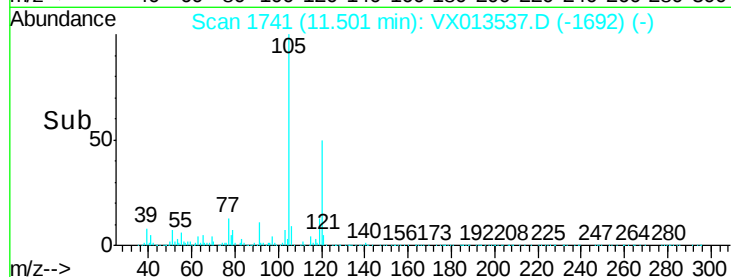
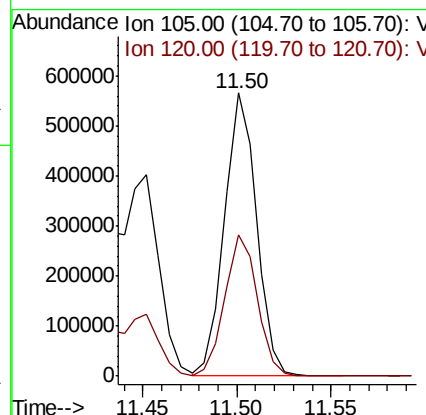
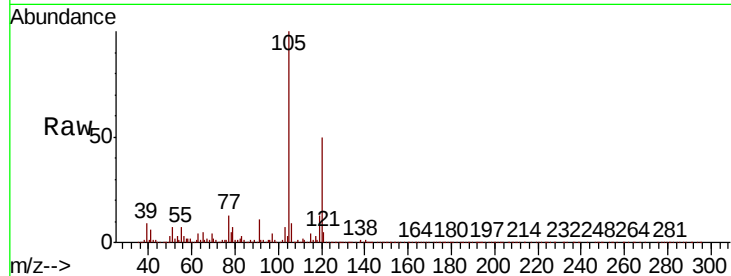




#80
 1,3,5-Trimethylbenzene
 Concen: 26.289 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013537.D
 Acq: 22 Nov 2019 16:45

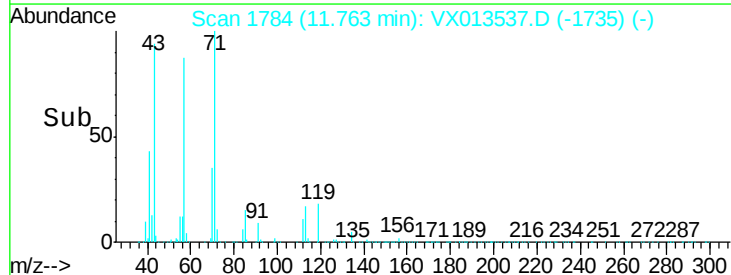
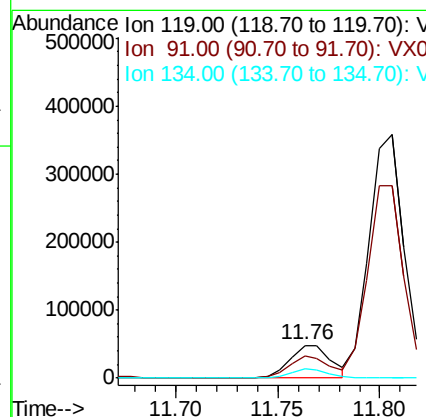
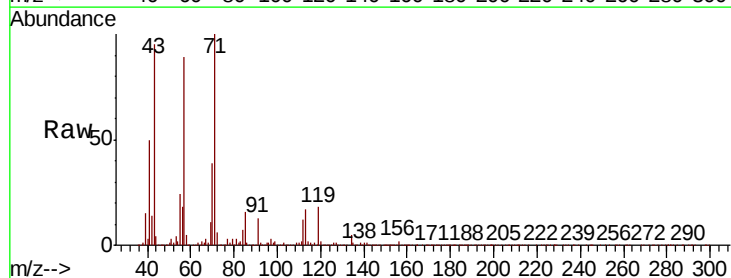
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2DL

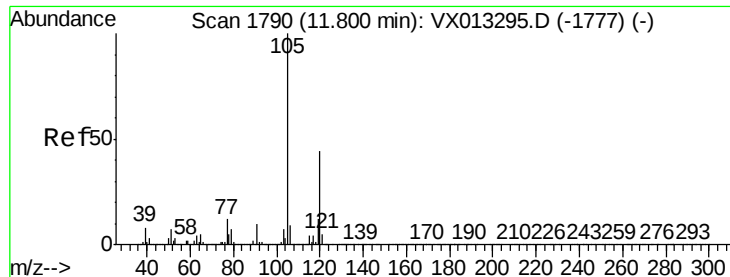
Tot Ion:105 Resp: 666514
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.9 74.8



#83
 tert-Butylbenzene
 Concen: 2.620 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX013537.D
 Acq: 22 Nov 2019 16:45

Tgt Ion:119 Resp: 66875
 Ion Ratio Lower Upper
 119 100
 91 65.3 26.9 80.7
 134 24.7 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 136.459 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

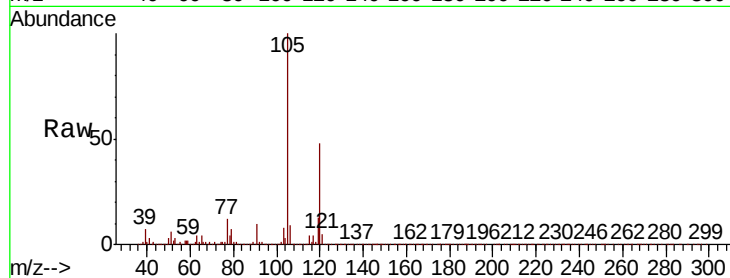
MW-2DL

Tot Ion:105 Resp: 3470594

Ion Ratio Lower Upper

105 100

120 47.2 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.81

3000000

2500000

2000000

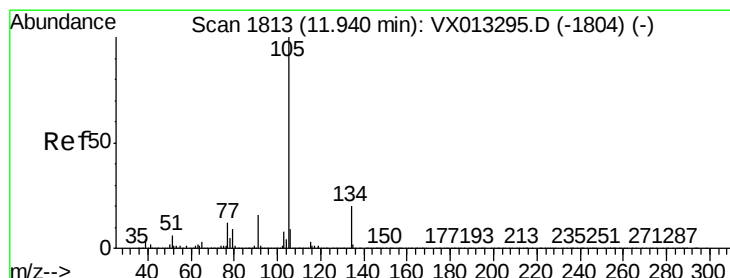
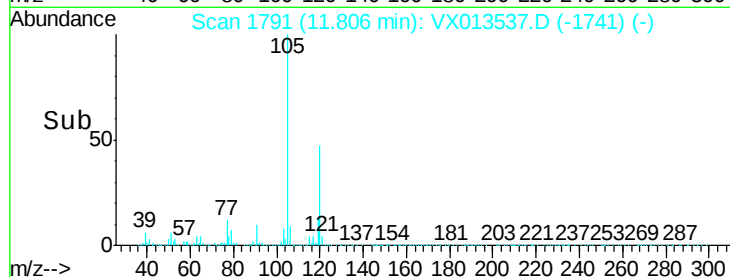
1500000

1000000

500000

0

Time--> 11.70 11.80 11.90



#85

sec-Butylbenzene

Concen: 13.221 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013537.D

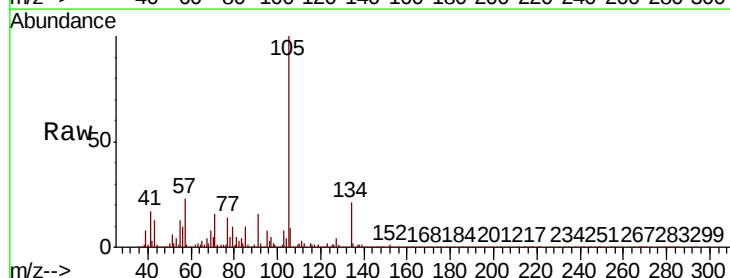
Acq: 22 Nov 2019 16:45

Tgt Ion:105 Resp: 387810

Ion Ratio Lower Upper

105 100

134 19.7 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

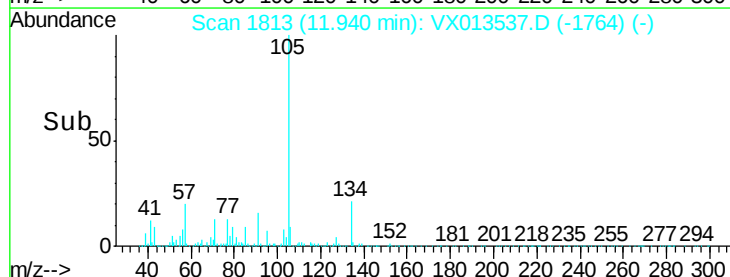
300000

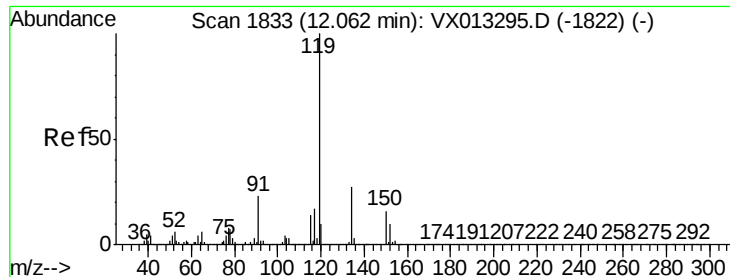
200000

100000

0

Time--> 11.85 11.90 11.95 12.00





#86

p-Isopropyltoluene

Concen: 6.834 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

MW-2DL

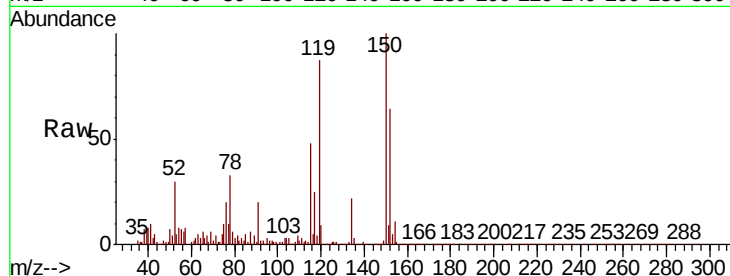
Tot Ion:119 Resp: 184590

Ion Ratio Lower Upper

119 100

134 27.8 13.3 39.8

91 23.5 11.5 34.4

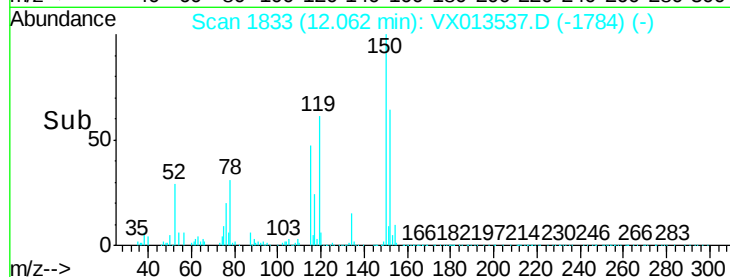


Abundance Ion 119.00 (118.70 to 119.70): V

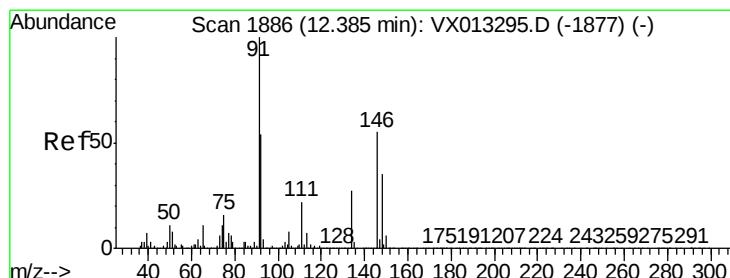
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



Time-->



#89

n-Butylbenzene

Concen: 12.133 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013537.D

Acq: 22 Nov 2019 16:45

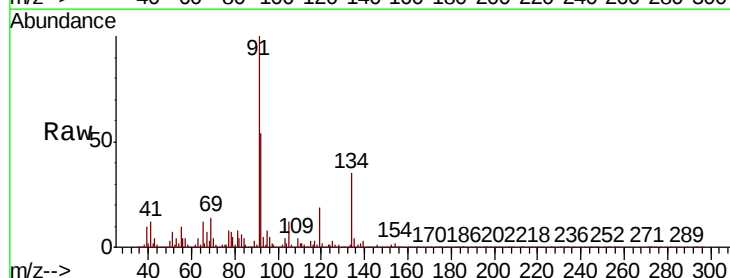
Tgt Ion: 91 Resp: 285947

Ion Ratio Lower Upper

91 100

92 43.5 27.3 81.8

134 71.5 13.5 40.5#

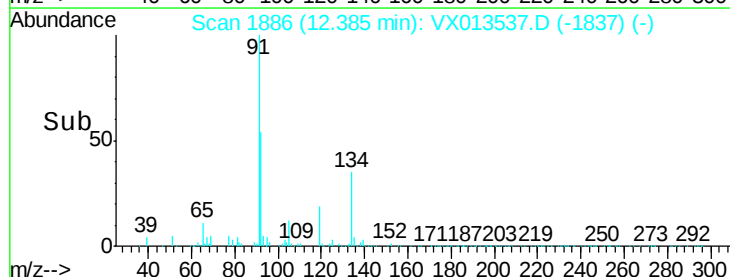


Abundance Ion 91.00 (90.70 to 91.70): VX0

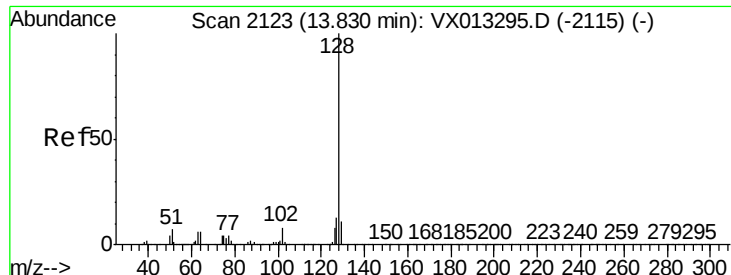
Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

Time-->



Time-->



#95
Naphthalene
Concen: 3.729 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013537.D
Acq: 22 Nov 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
MW-2DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.2	15.2
129	11.7	8.5	12.7

