

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013529.D
 Acq On : 22 Nov 2019 13:39
 Operator : JC/SP
 Sample : K5958-06DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4DL2

Quant Time: Nov 22 14:48:07 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	674471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1098556	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	991539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	448224	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	400142	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
35) Dibromofluoromethane	5.49	113	329098	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
50) Toluene-d8	8.71	98	1311001	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.13	95	444925	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	

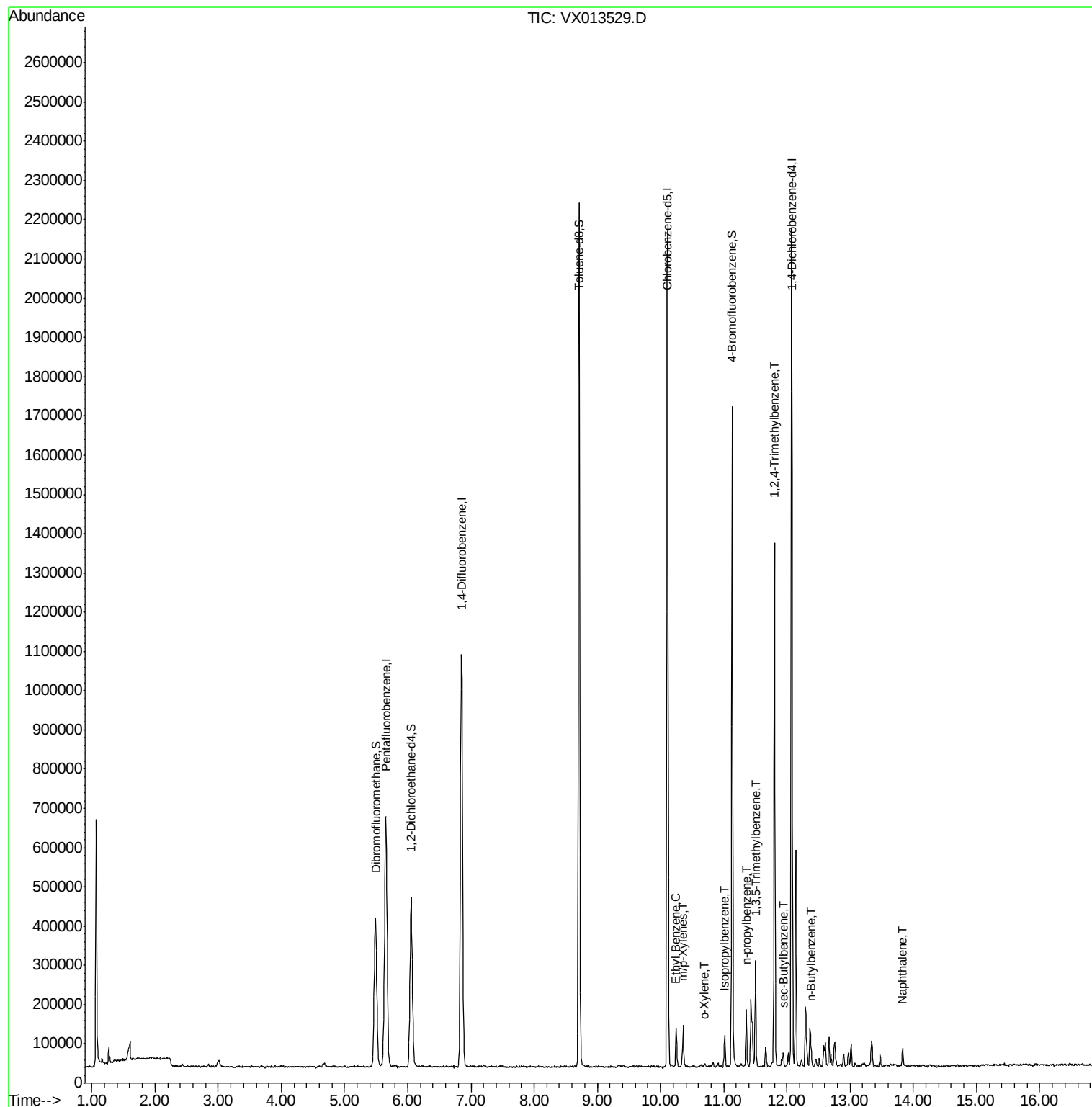
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
67) Ethyl Benzene	10.25	91	59324	1.712	ug/l	97
68) m/p-Xylenes	10.36	106	26535	2.025	ug/l	97
69) o-Xylene	10.69	106	2818	0.220	ug/l	55
73) Isopropylbenzene	11.01	105	43223	1.454	ug/l	98
78) n-propylbenzene	11.35	91	89289	2.697	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	115531	4.667	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	616452	24.826	ug/l	97
85) sec-Butylbenzene	11.94	105	21445	0.749	ug/l #	75
89) n-Butylbenzene	12.39	91	16496	0.717	ug/l #	41
95) Naphthalene	13.83	128	28888	0.935	ug/l	98

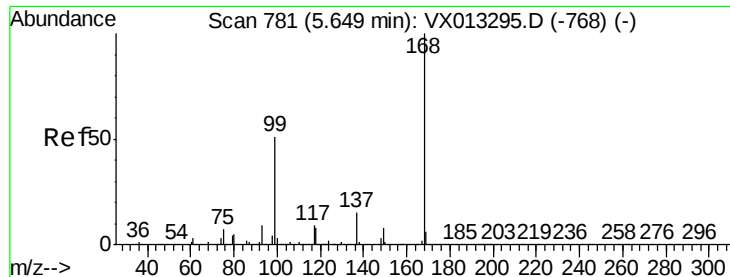
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.01 min

Lab File: VX013529.D

Acq: 22 Nov 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

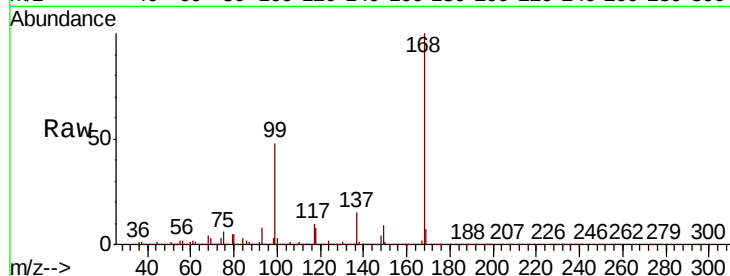
MW-4DL2

Tot Ion:168 Resp: 674471

Ion Ratio Lower Upper

168 100

99 47.6 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

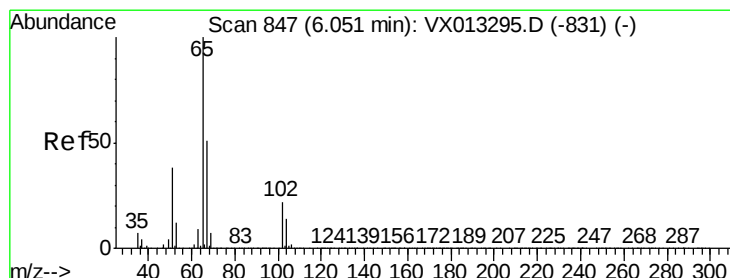
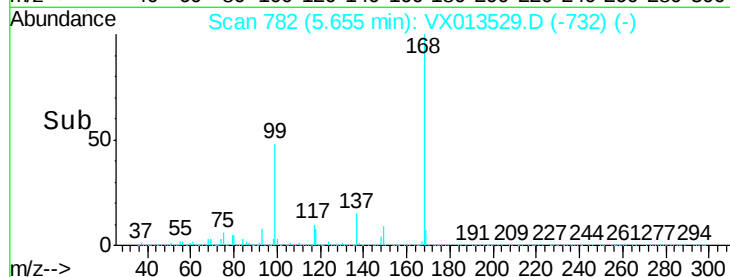
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 50.077 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013529.D

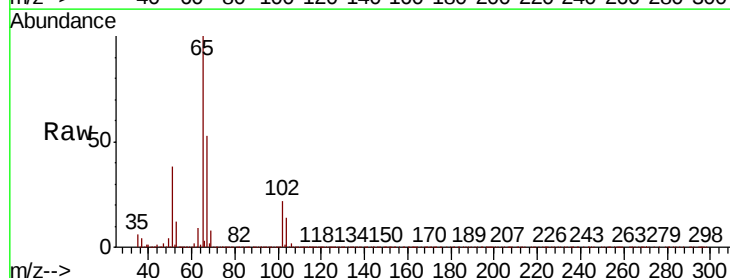
Acq: 22 Nov 2019 13:39

Tgt Ion: 65 Resp: 400142

Ion Ratio Lower Upper

65 100

67 52.6 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

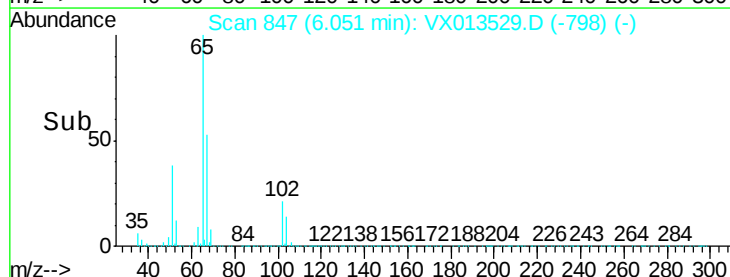
100000

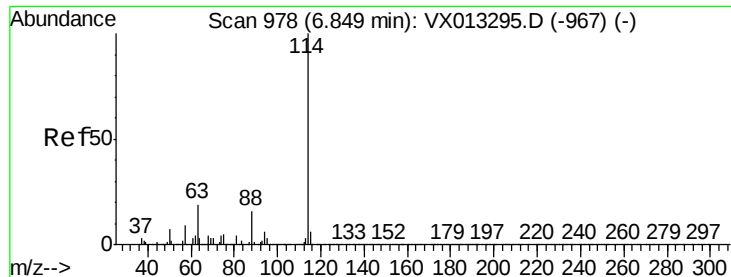
50000

0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013529.D

Acq: 22 Nov 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

MW-4DL2

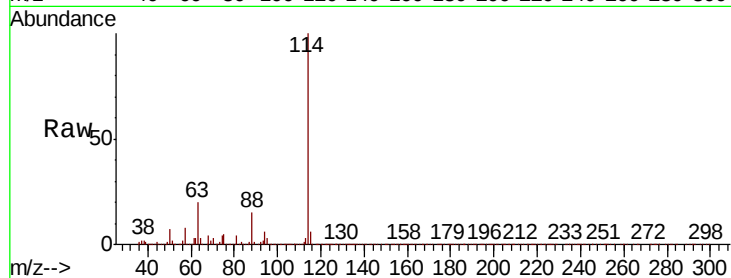
Tot Ion:114 Resp: 1098556

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

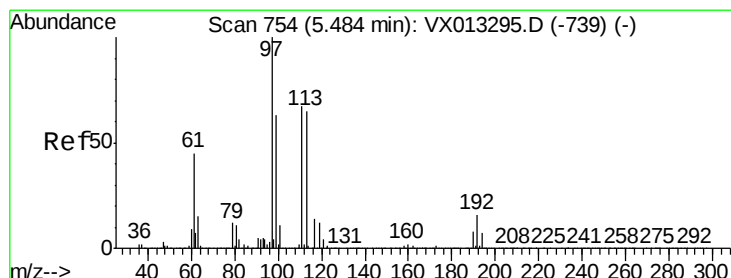
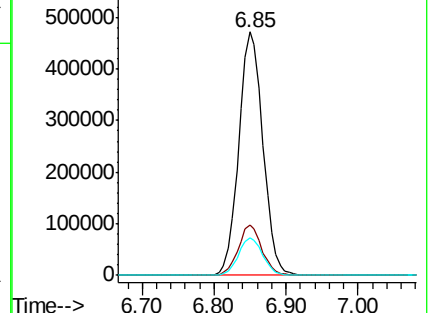
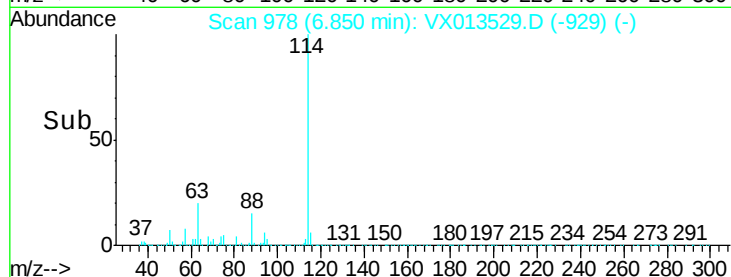
88 15.2 0.0 32.2



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: 47.763 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013529.D

Acq: 22 Nov 2019 13:39

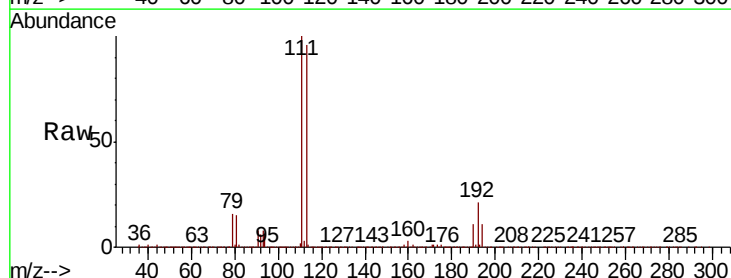
Tgt Ion:113 Resp: 329098

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

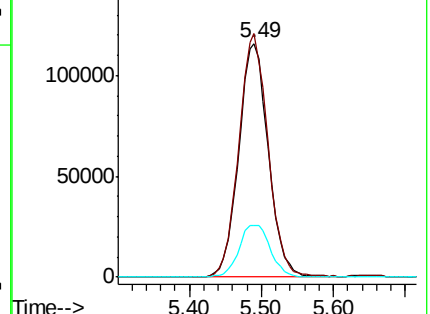
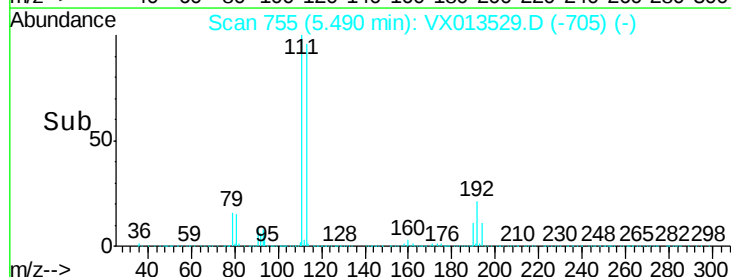
192 23.3 19.1 28.7

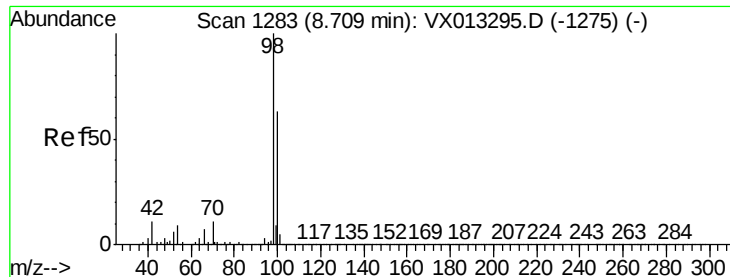


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.470 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013529.D

Acq: 22 Nov 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

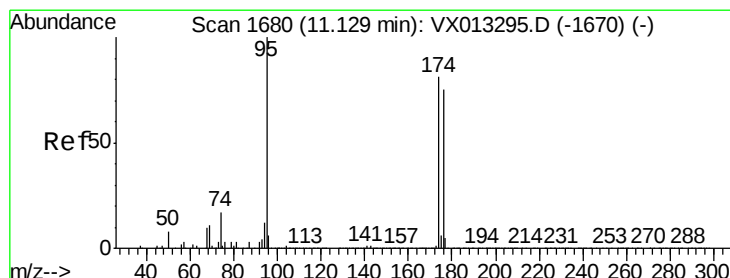
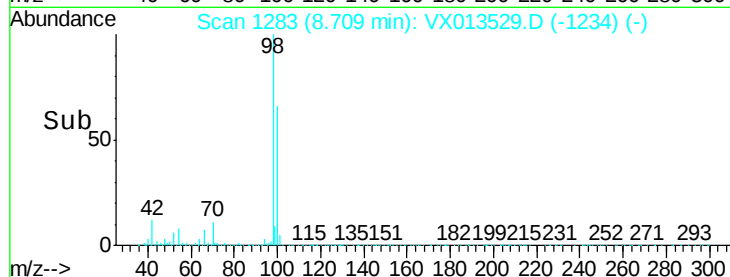
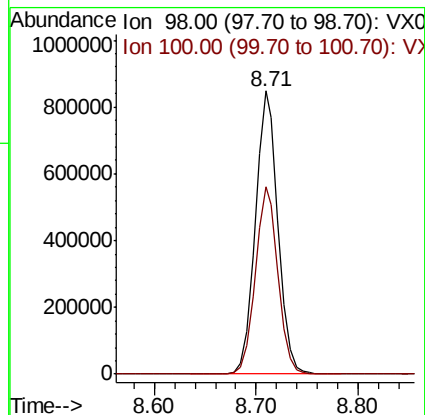
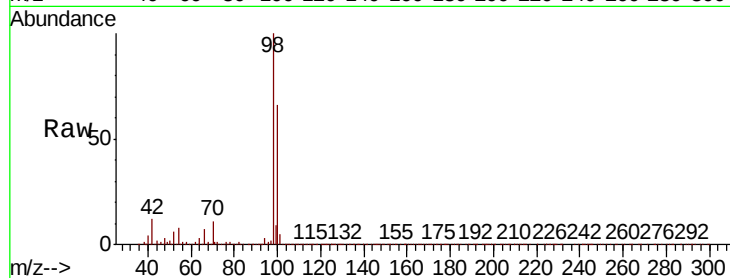
MW-4DL2

Tot Ion: 98 Resp: 1311001

Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 47.460 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013529.D

Acq: 22 Nov 2019 13:39

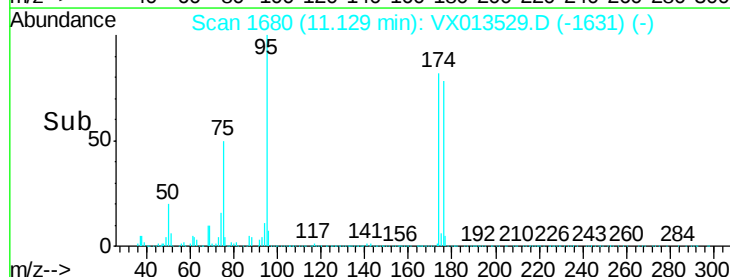
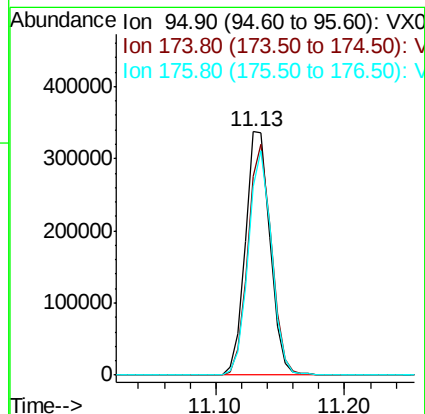
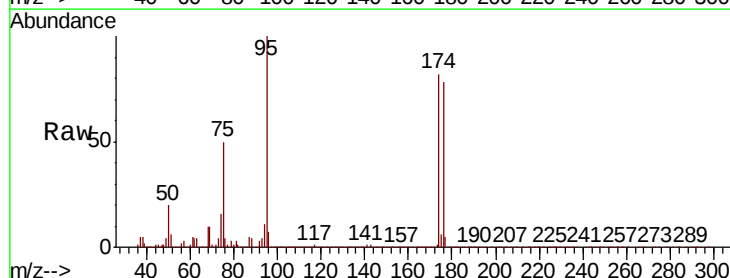
Tgt Ion: 95 Resp: 444925

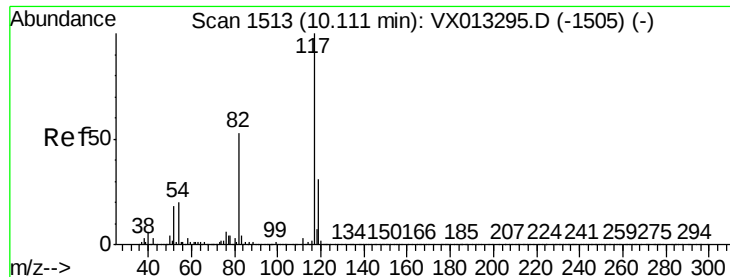
Ion Ratio Lower Upper

95 100

174 89.9 0.0 179.8

176 86.8 0.0 173.0

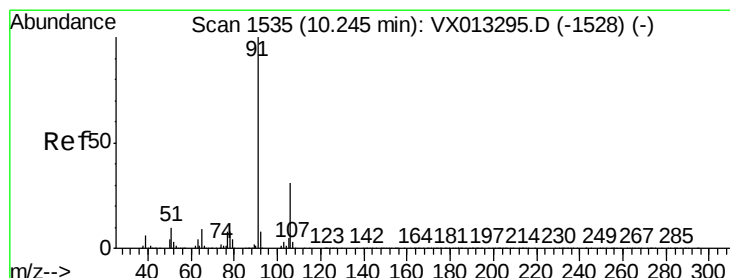
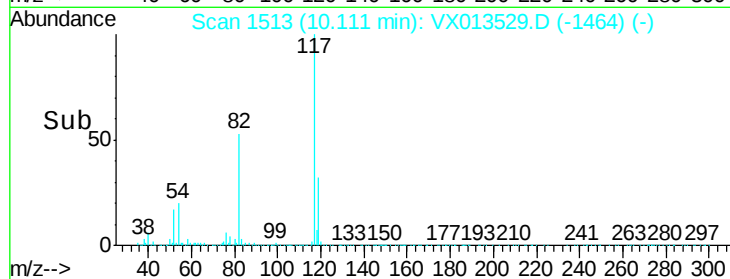
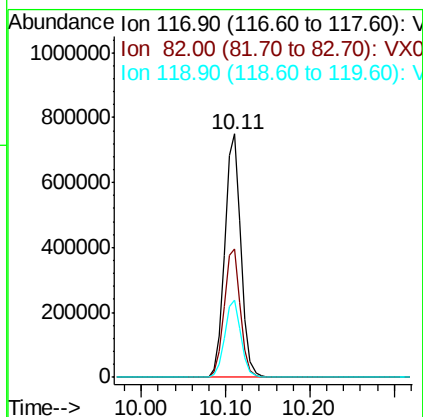
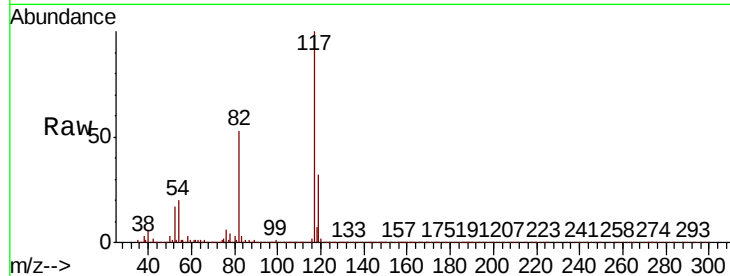




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013529.D
Acq: 22 Nov 2019 13:39

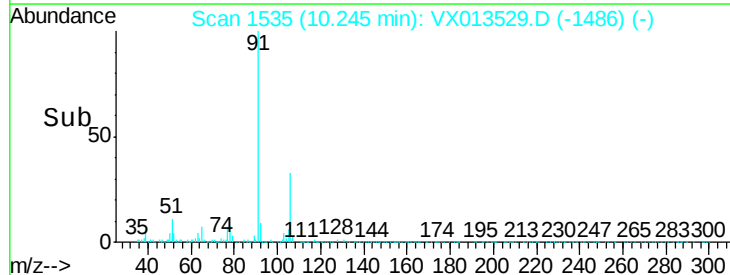
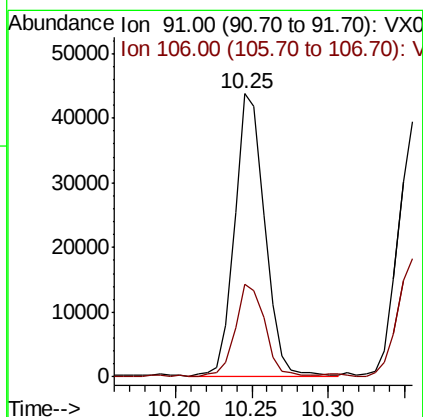
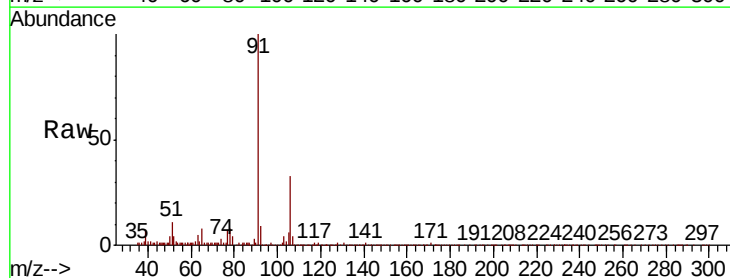
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL2

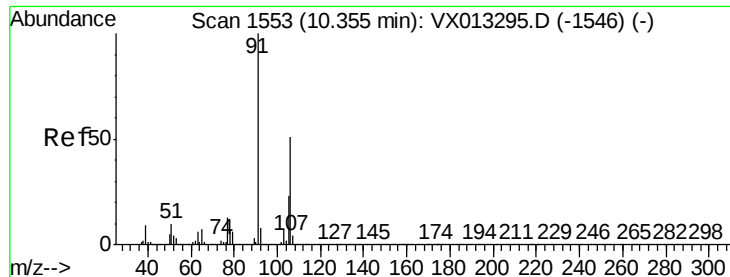
Tot Ion:117 Resp: 991539
Ion Ratio Lower Upper
117 100
82 52.8 42.6 64.0
119 31.5 24.8 37.2



#67
Ethyl Benzene
Concen: 1.712 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013529.D
Acq: 22 Nov 2019 13:39

Tgt Ion: 91 Resp: 59324
Ion Ratio Lower Upper
91 100
106 32.5 24.6 36.8





#68

m/p-Xylenes

Concen: 2.025 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013529.D

Acq: 22 Nov 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

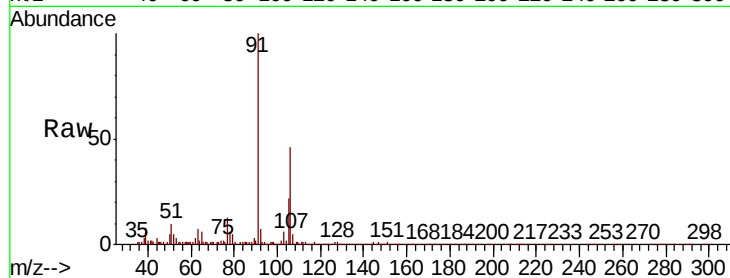
MW-4DL2

Tot Ion:106 Resp: 26535

Ion Ratio Lower Upper

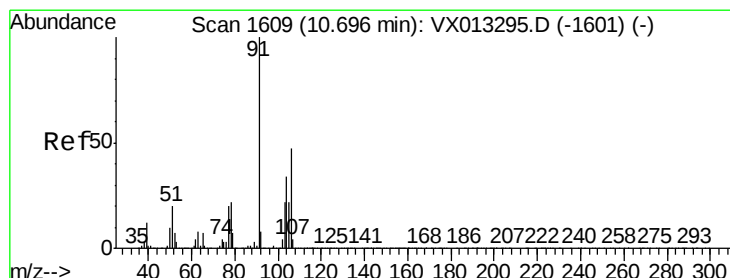
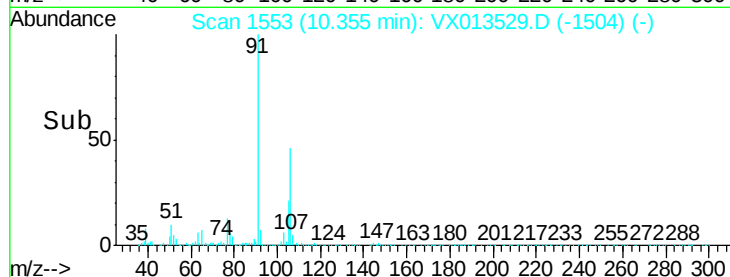
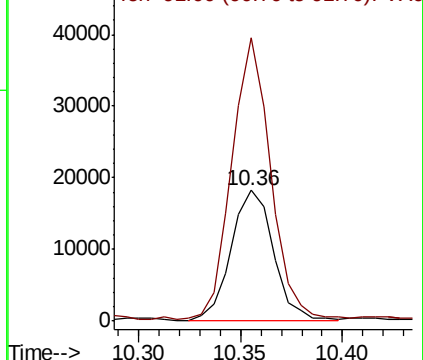
106 100

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: 0.220 ug/l

RT: 10.69 min Scan# 1608

Delta R.T. -0.01 min

Lab File: VX013529.D

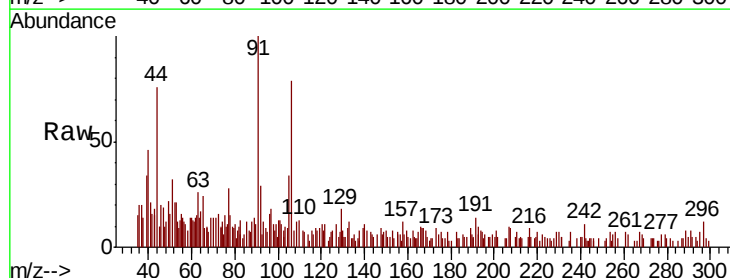
Acq: 22 Nov 2019 13:39

Tgt Ion:106 Resp: 2818

Ion Ratio Lower Upper

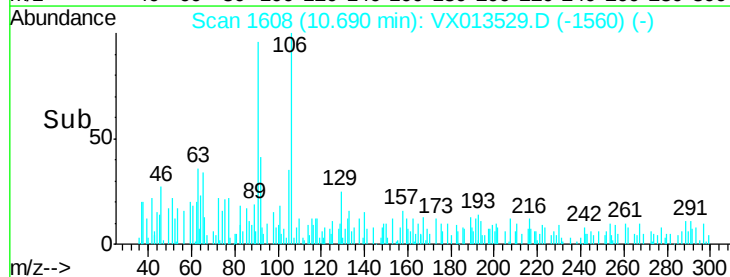
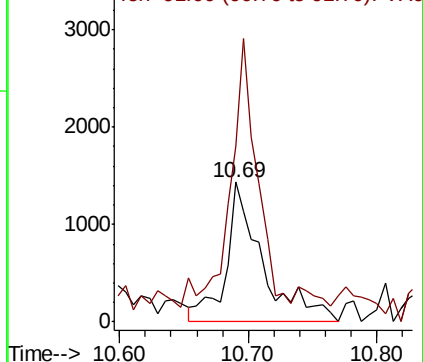
106 100

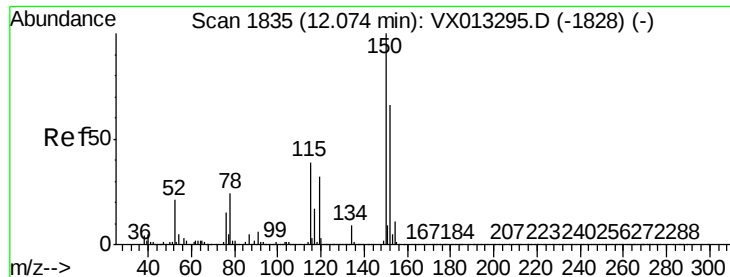
91 141.0 105.7 317.0



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: VX013529.D

Acq: 22 Nov 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

MW-4DL2

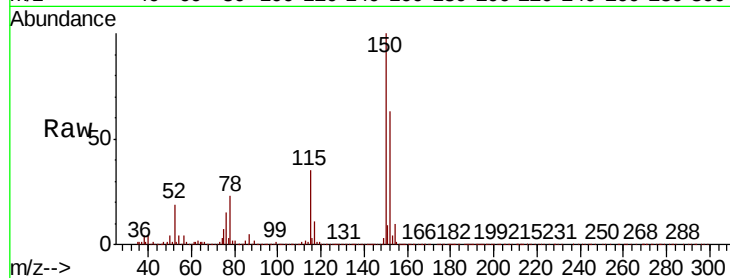
Tot Ion:152 Resp: 448224

Ion Ratio Lower Upper

152 100

115 55.0 39.5 118.3

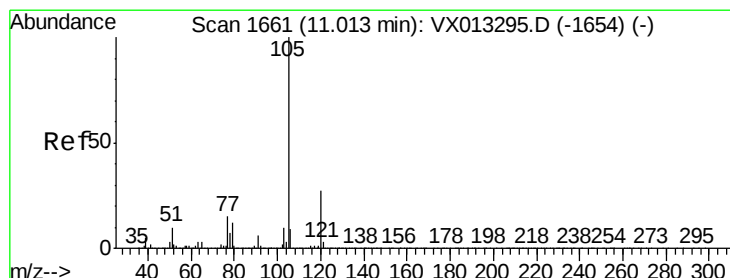
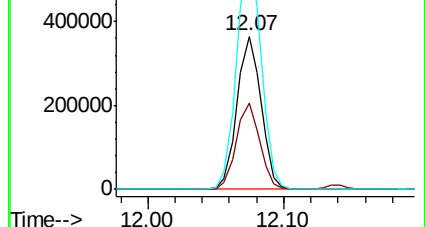
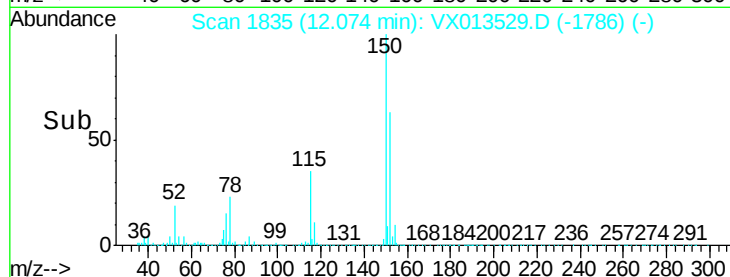
150 156.7 0.0 344.4



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: 1.454 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013529.D

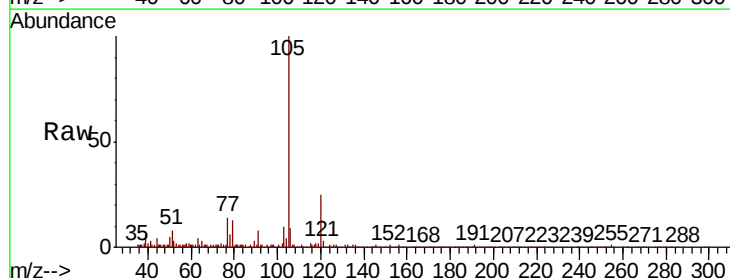
Acq: 22 Nov 2019 13:39

Tgt Ion:105 Resp: 43223

Ion Ratio Lower Upper

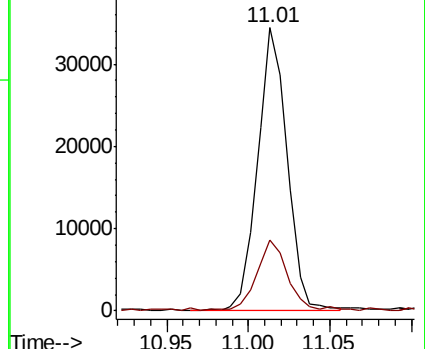
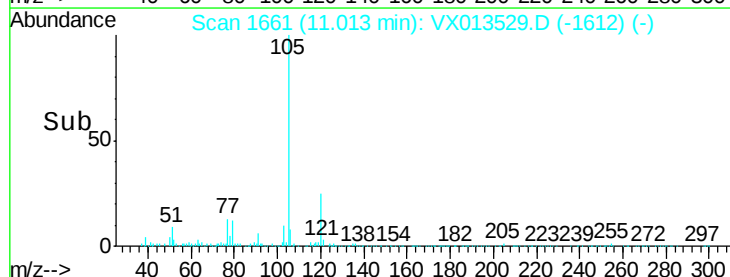
105 100

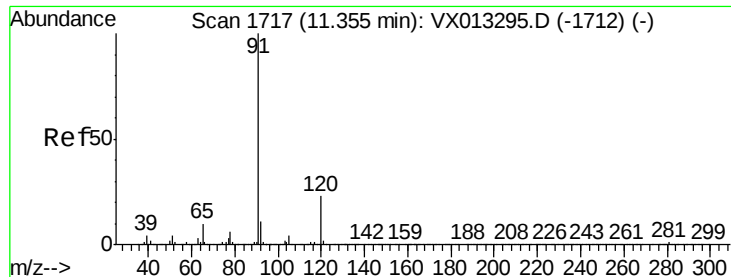
120 25.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.697 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013529.D

Acq: 22 Nov 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

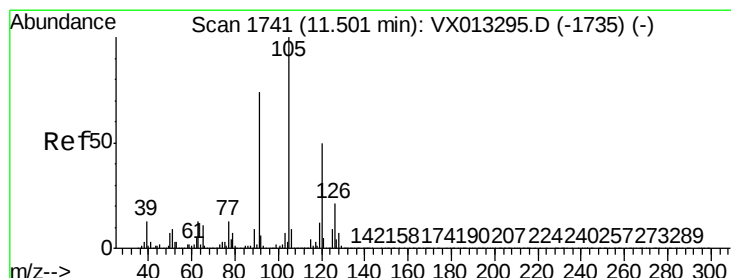
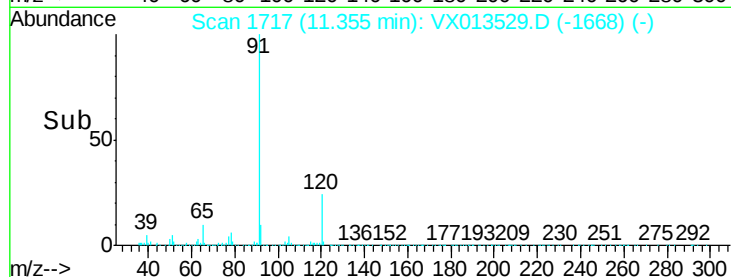
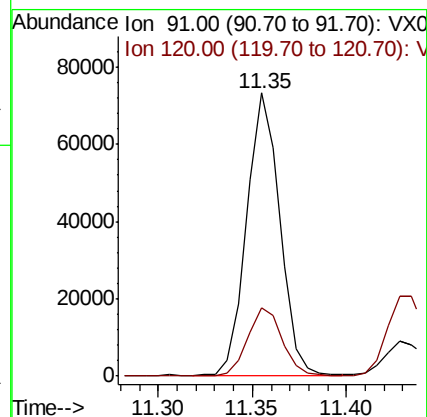
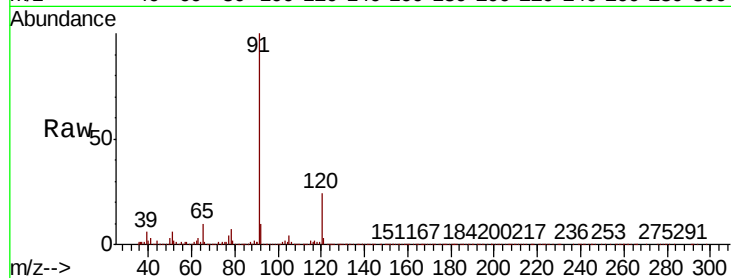
MW-4DL2

Tot Ion: 91 Resp: 89289

Ion Ratio Lower Upper

91 100

120 25.0 11.6 34.8



#80

1,3,5-Trimethylbenzene

Concen: 4.667 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013529.D

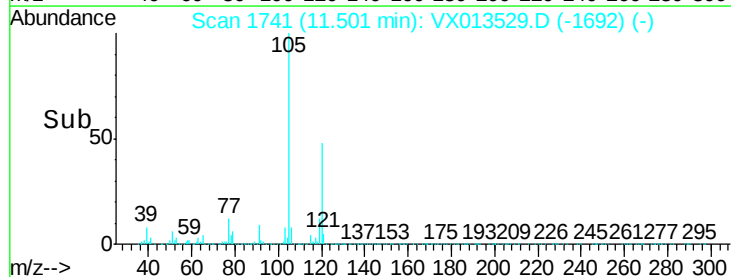
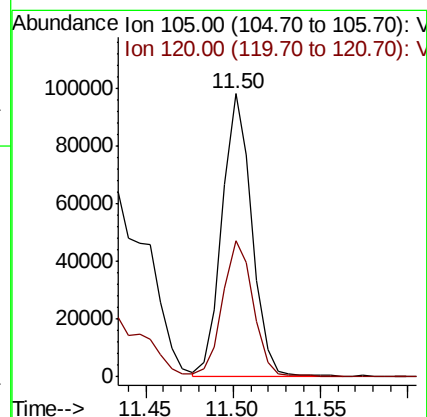
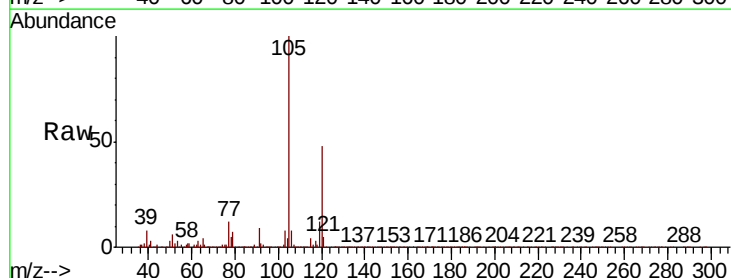
Acq: 22 Nov 2019 13:39

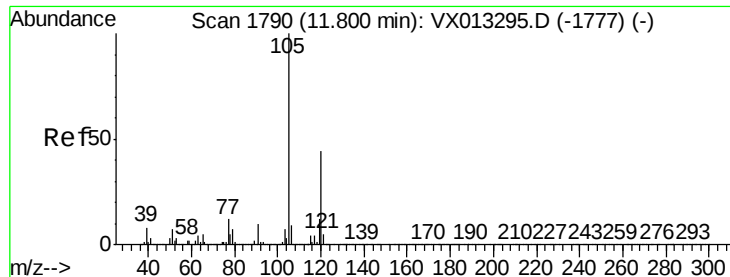
Tgt Ion: 105 Resp: 115531

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.8

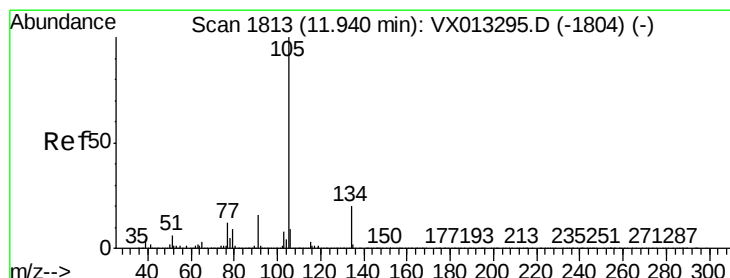
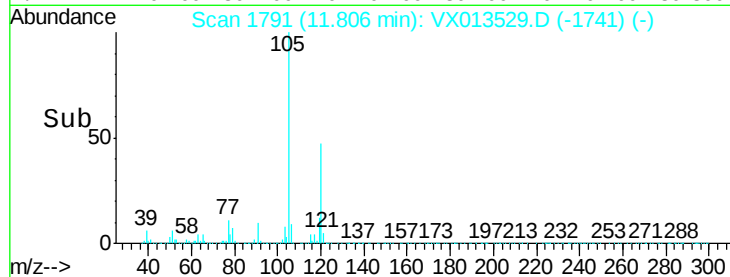
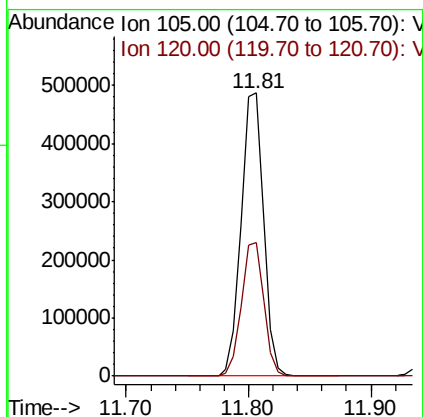
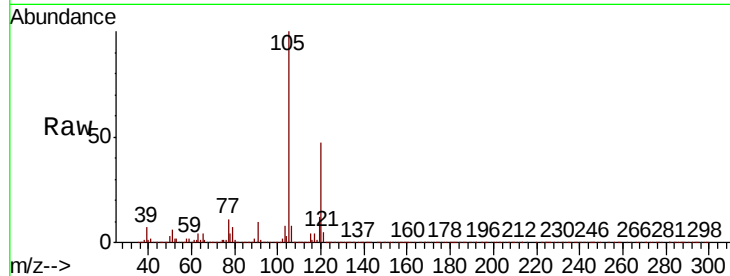




#84
 1,2,4-Trimethylbenzene
 Concen: 24.826 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX013529.D
 Acq: 22 Nov 2019 13:39

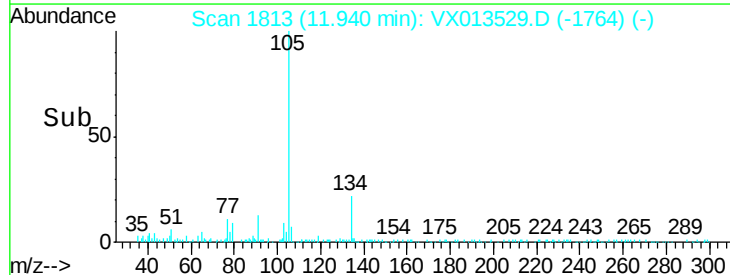
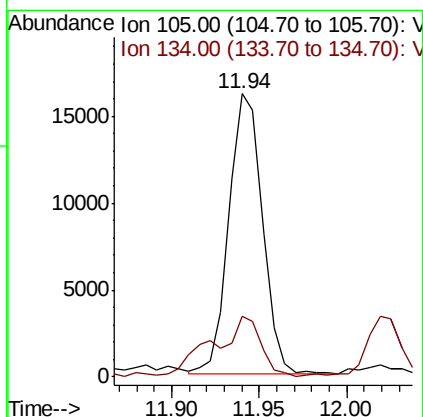
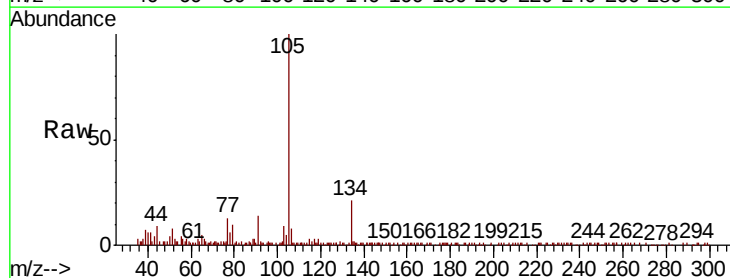
Instrument :
 MSVOA_X
 ClientSampled :
 MW-4DL2

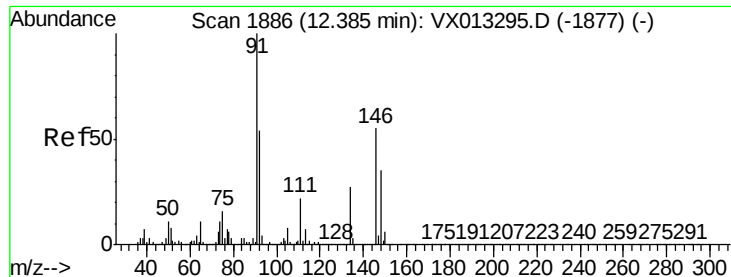
Tot Ion:105 Resp: 616452
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 0.749 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013529.D
 Acq: 22 Nov 2019 13:39

Tgt Ion:105 Resp: 21445
 Ion Ratio Lower Upper
 105 100
 134 32.2 10.3 30.9#





#89

n-Butylbenzene

Concen: 0.717 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013529.D

Acq: 22 Nov 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

MW-4DL2

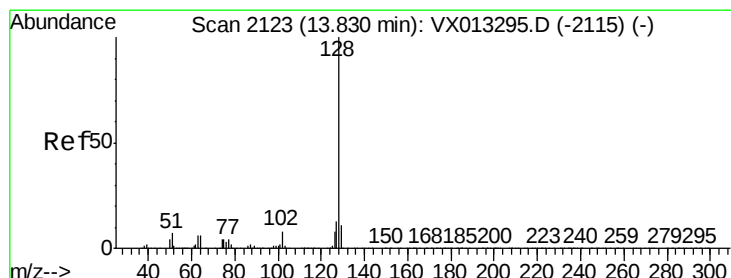
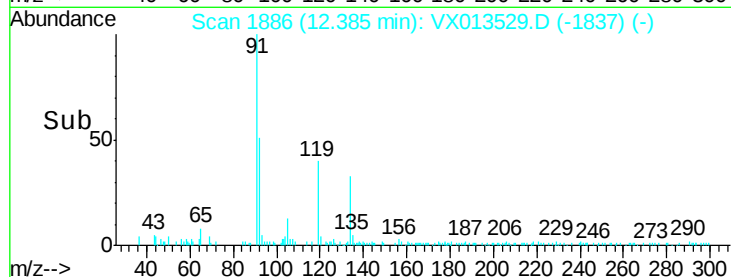
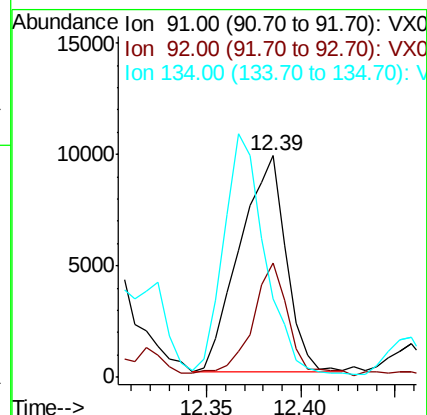
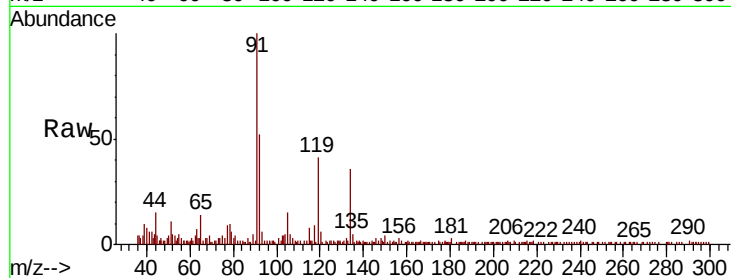
Tot Ion: 91 Resp: 16496

Ion Ratio Lower Upper

91 100

92 40.7 27.3 81.8

134 99.7 13.5 40.5#



#95

Naphthalene

Concen: 0.935 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013529.D

Acq: 22 Nov 2019 13:39

Tgt Ion: 128 Resp: 28888

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.2

129 10.6 8.5 12.7

