

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013531.D
 Acq On : 22 Nov 2019 14:25
 Operator : JC/SP
 Sample : K5958-07DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5DL

Quant Time: Nov 22 15:30:41 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	694613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1120793	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1000461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	458439	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	410040	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
35) Dibromofluoromethane	5.49	113	337414	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
50) Toluene-d8	8.71	98	1355506	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	11.14	95	458430	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	

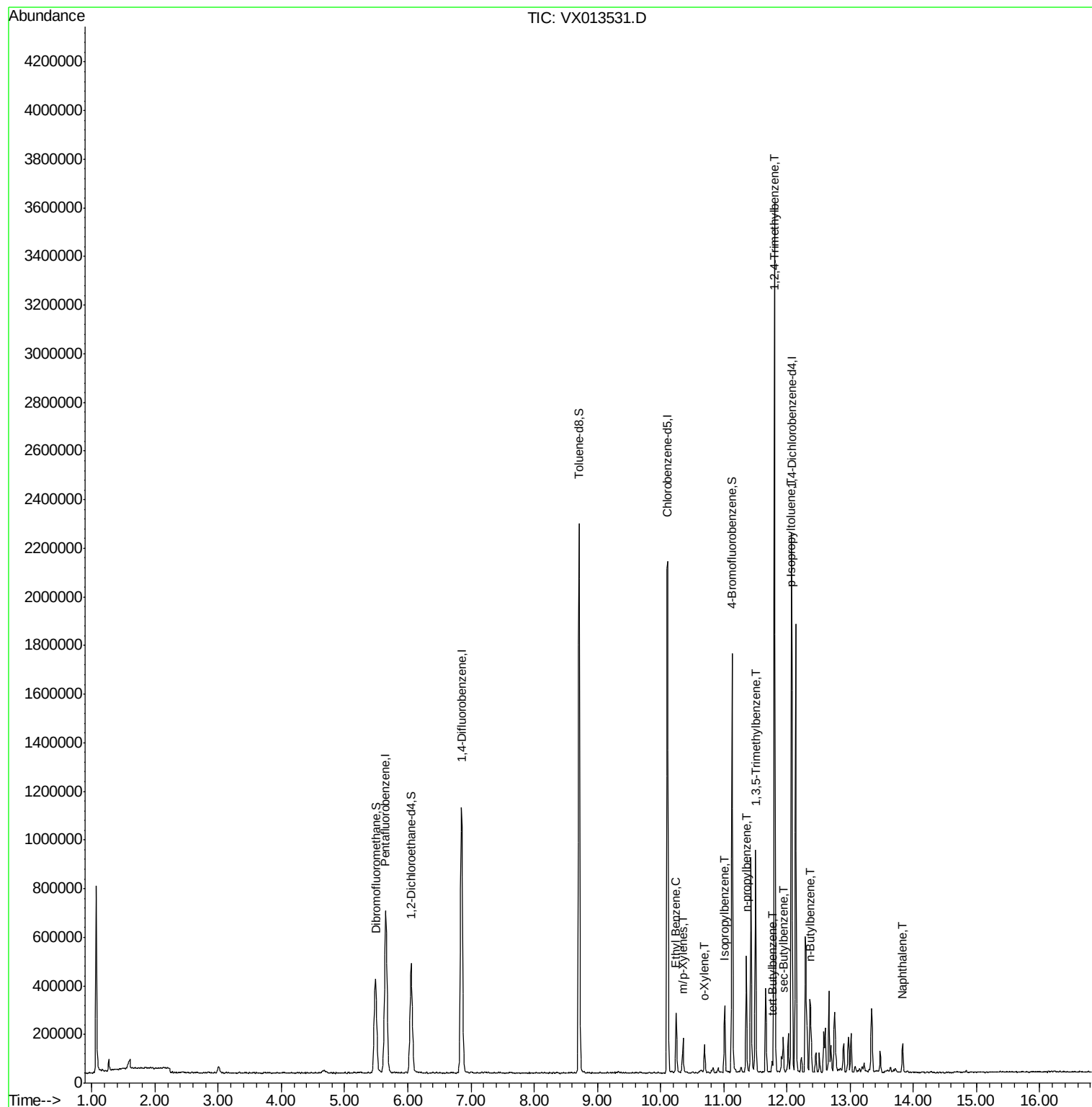
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
67) Ethyl Benzene	10.25	91	153861	4.401	ug/l	99
68) m/p-Xylenes	10.35	106	32776	2.479	ug/l	93
69) o-Xylene	10.70	106	26201	2.024	ug/l	96
73) Isopropylbenzene	11.01	105	144002	4.738	ug/l	99
78) n-propylbenzene	11.35	91	289725	8.557	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	393678	15.550	ug/l	100
83) tert-Butylbenzene	11.77	119	17650	0.693	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	1572701	61.924	ug/l	97
85) sec-Butylbenzene	11.94	105	76673	2.618	ug/l	78
86) p-Isopropyltoluene	12.06	119	38266	1.419	ug/l	96
89) n-Butylbenzene	12.38	91	58399	2.481	ug/l #	45
95) Naphthalene	13.83	128	72761	2.303	ug/l	99

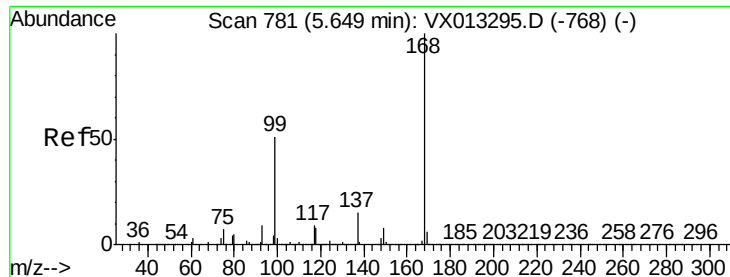
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013531.D

Acq: 22 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampled :

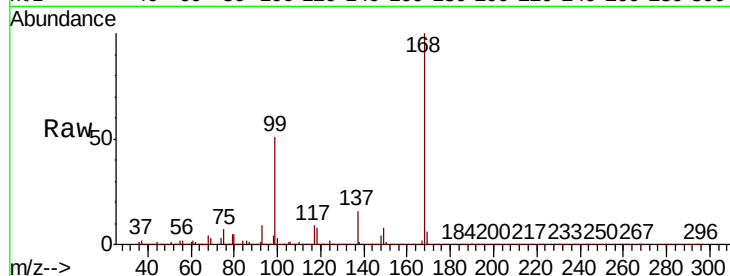
MW-5DL

Tot Ion:168 Resp: 694613

Ion Ratio Lower Upper

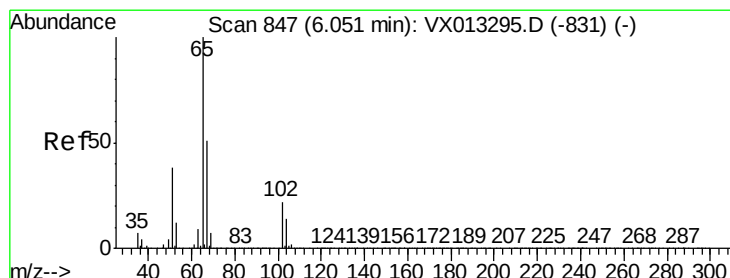
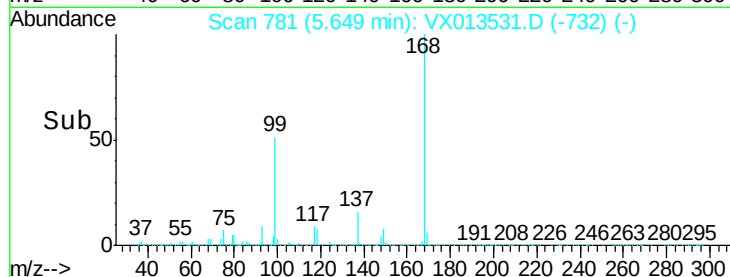
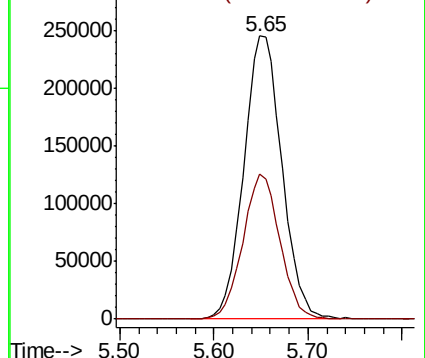
168 100

99 51.4 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: 49.828 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013531.D

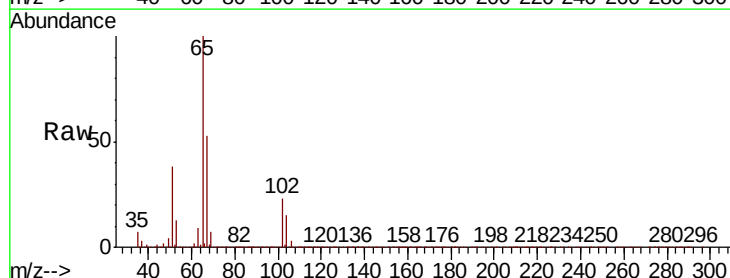
Acq: 22 Nov 2019 14:25

Tgt Ion: 65 Resp: 410040

Ion Ratio Lower Upper

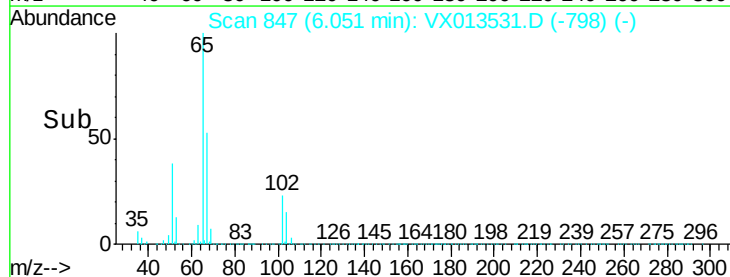
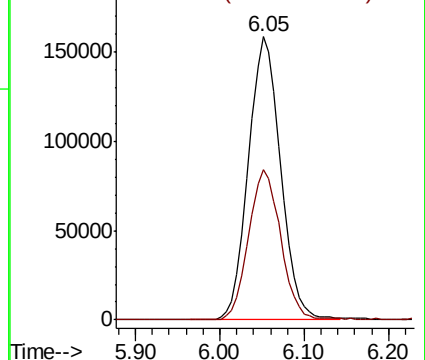
65 100

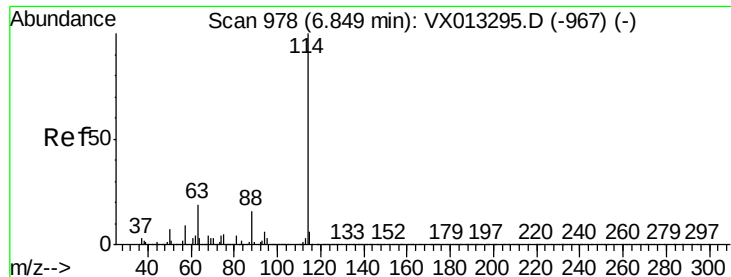
67 53.0 0.0 104.2



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: VX013531.D

Acq: 22 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

MW-5DL

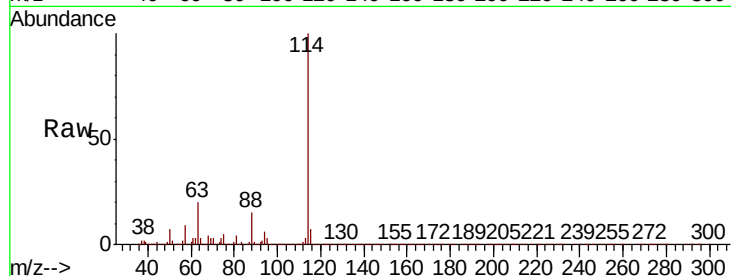
Tot Ion:114 Resp: 1120793

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

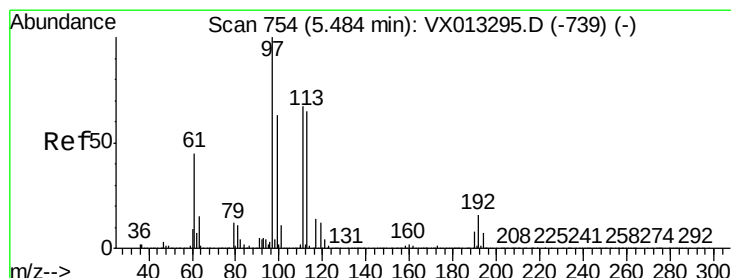
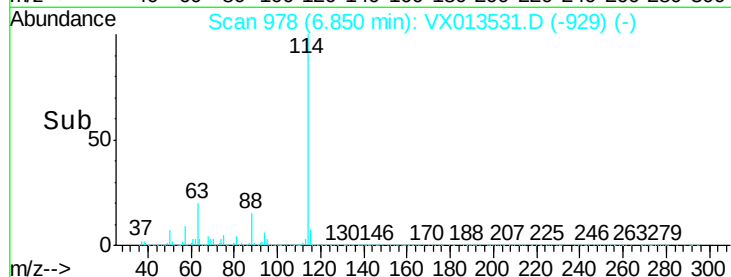
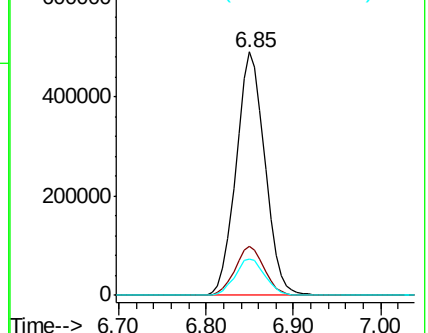
88 14.8 0.0 32.2



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: 47.998 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013531.D

Acq: 22 Nov 2019 14:25

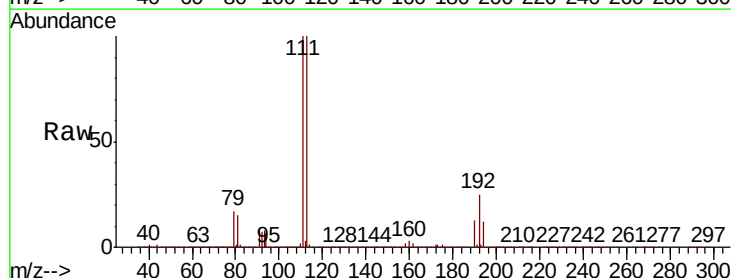
Tgt Ion:113 Resp: 337414

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

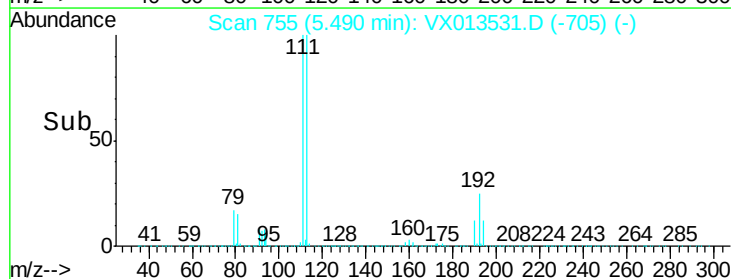
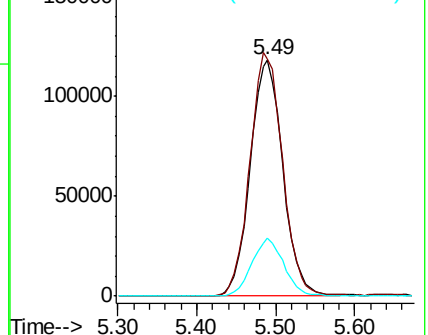
192 24.5 19.1 28.7

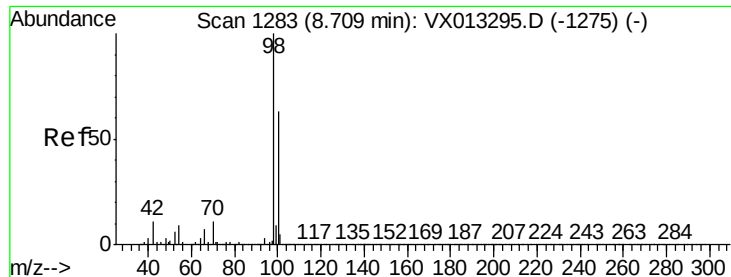


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.148 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013531.D

Acq: 22 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

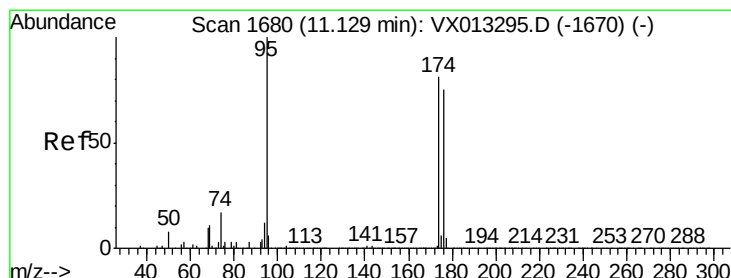
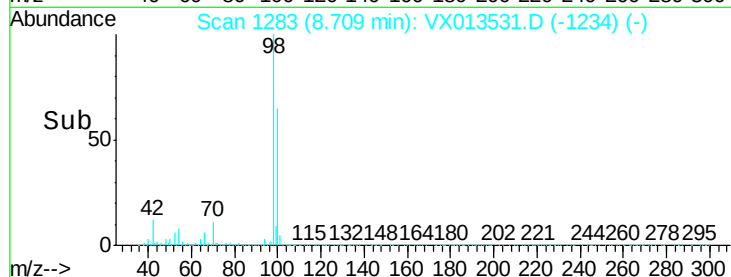
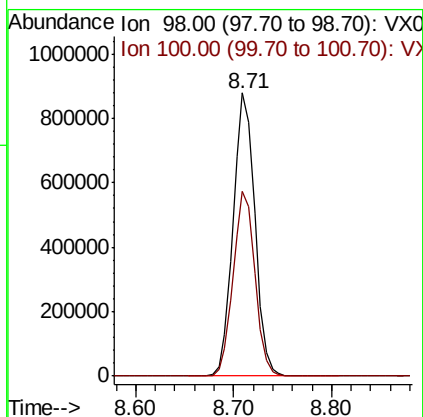
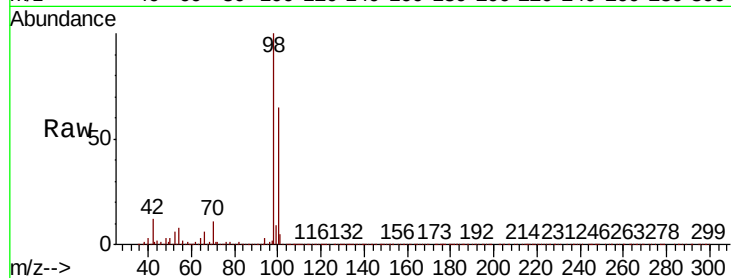
MW-5DL

Tot Ion: 98 Resp: 1355506

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 47.930 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013531.D

Acq: 22 Nov 2019 14:25

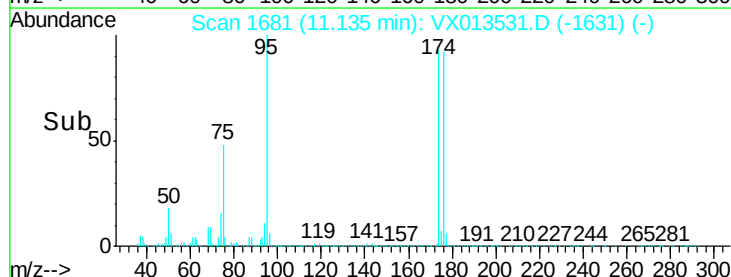
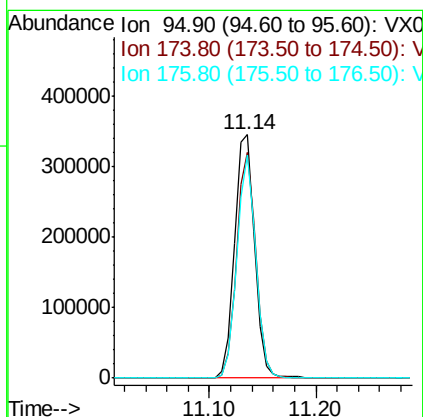
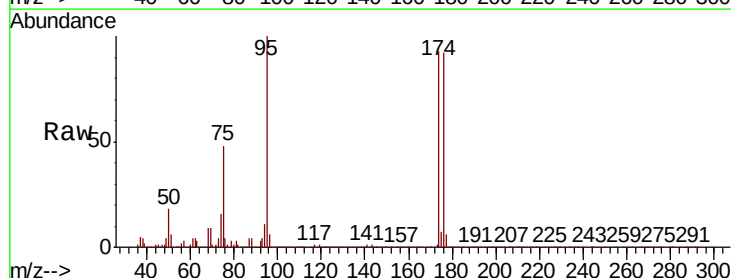
Tgt Ion: 95 Resp: 458430

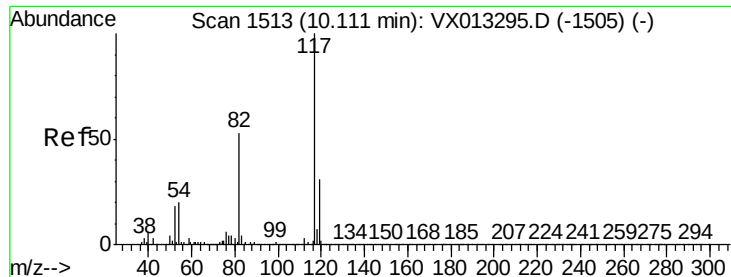
Ion Ratio Lower Upper

95 100

174 89.0 0.0 179.8

176 86.5 0.0 173.0

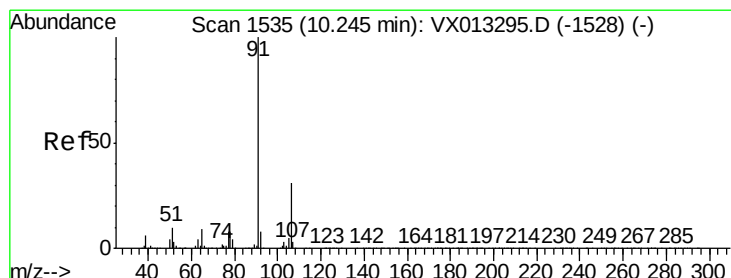
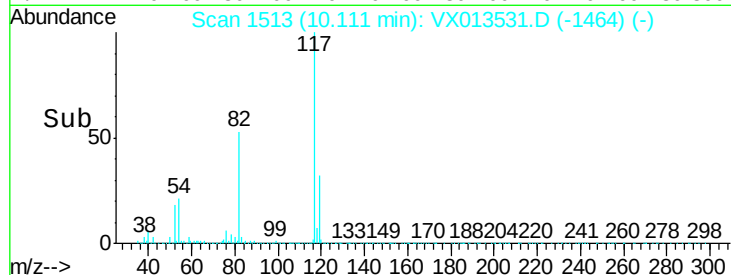
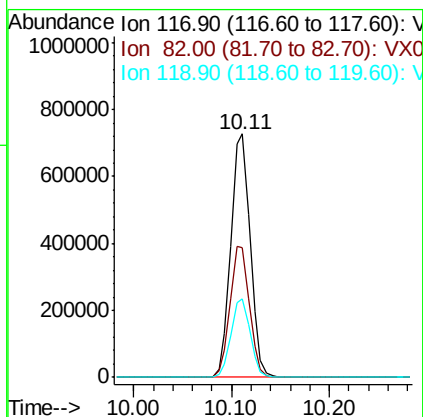
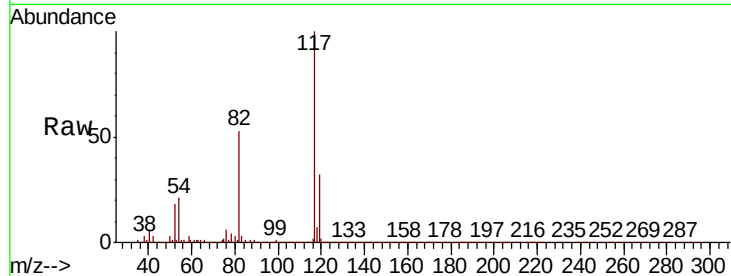




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013531.D
Acq: 22 Nov 2019 14:25

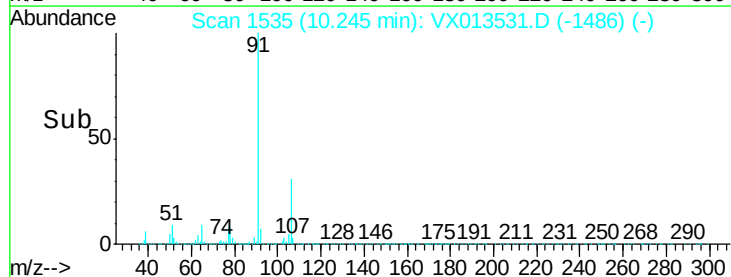
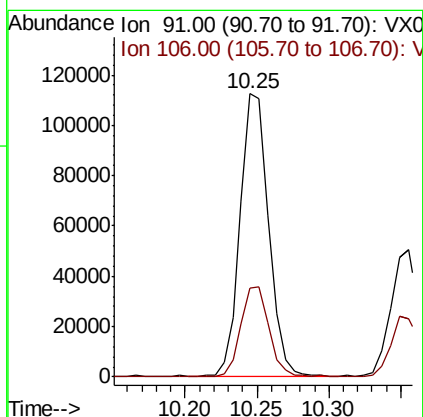
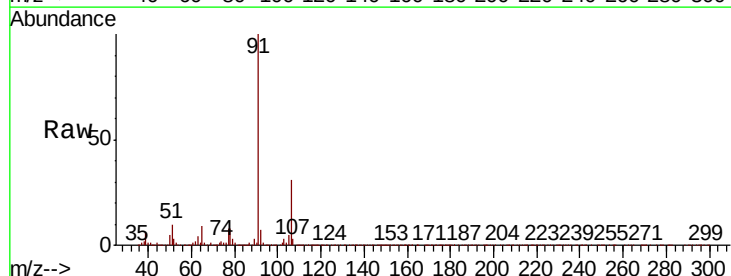
Instrument :
MSVOA_X
ClientSampleId :
MW-5DL

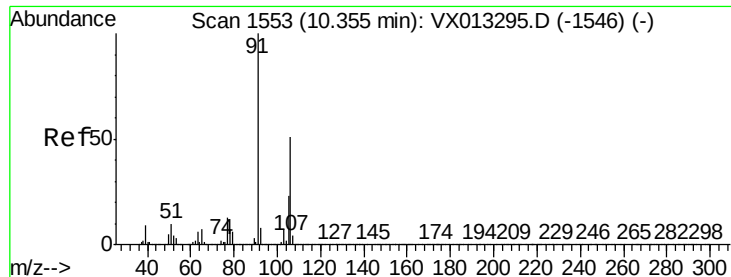
Tot Ion:117 Resp: 1000461
Ion Ratio Lower Upper
117 100
82 53.4 42.6 64.0
119 32.0 24.8 37.2



#67
Ethyl Benzene
Concen: 4.401 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013531.D
Acq: 22 Nov 2019 14:25

Tgt Ion: 91 Resp: 153861
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8





#68

m/p-Xylenes

Concen: 2.479 ug/l

RT: 10.35 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VX013531.D

Acq: 22 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

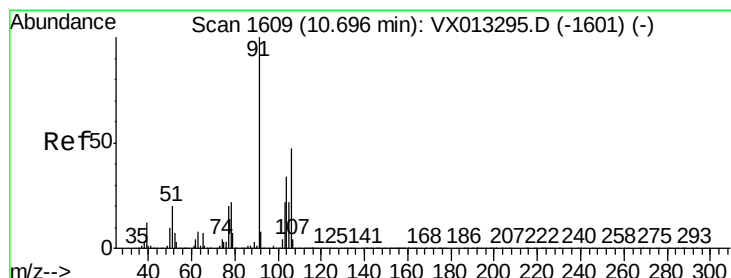
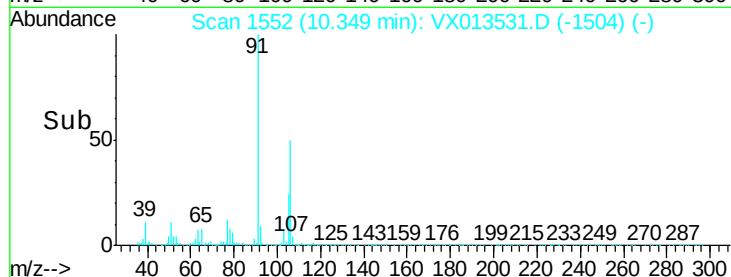
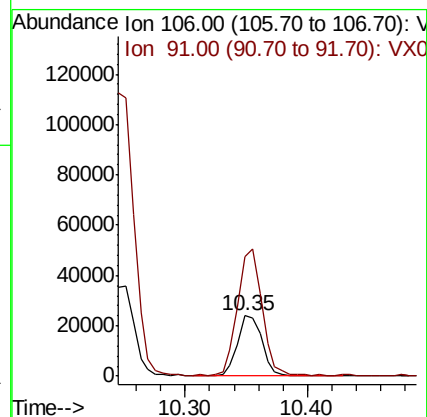
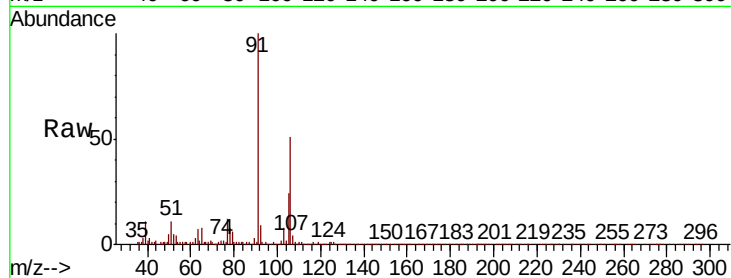
MW-5DL

Tot Ion:106 Resp: 32776

Ion Ratio Lower Upper

106 100

91 209.1 159.3 238.9



#69

o-Xylene

Concen: 2.024 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX013531.D

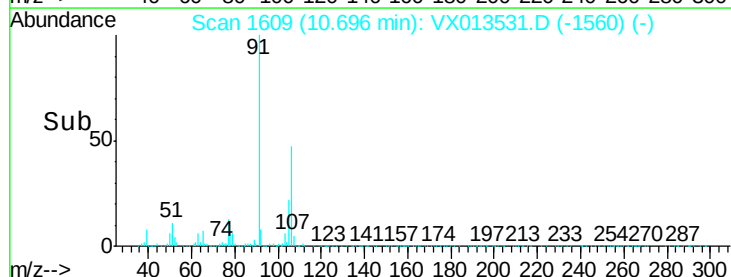
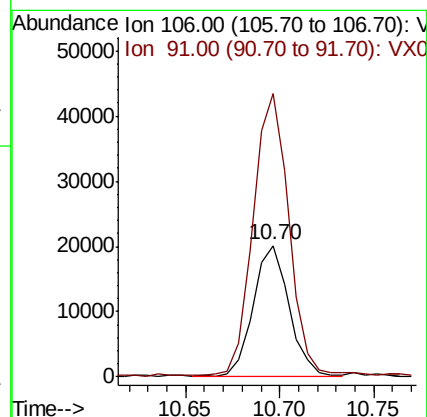
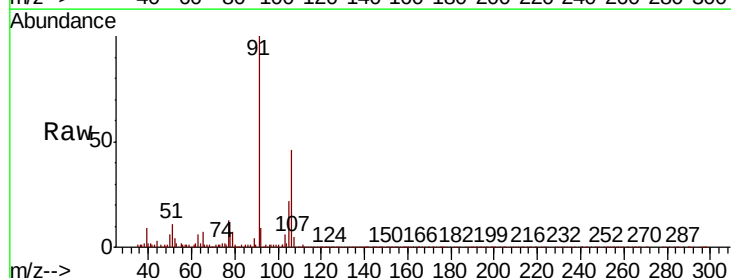
Acq: 22 Nov 2019 14:25

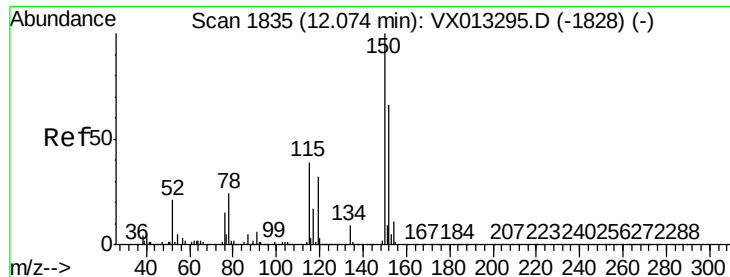
Tgt Ion:106 Resp: 26201

Ion Ratio Lower Upper

106 100

91 217.2 105.7 317.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013531.D

Acq: 22 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

MW-5DL

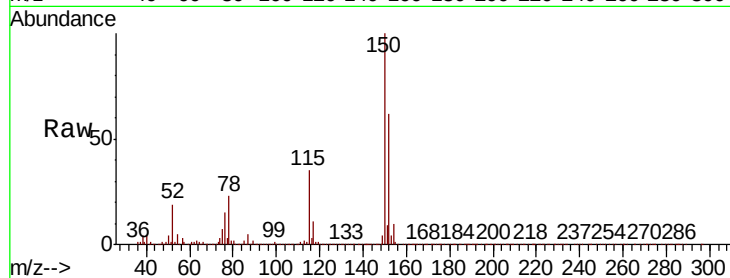
Tot Ion:152 Resp: 458439

Ion Ratio Lower Upper

152 100

115 56.5 39.5 118.3

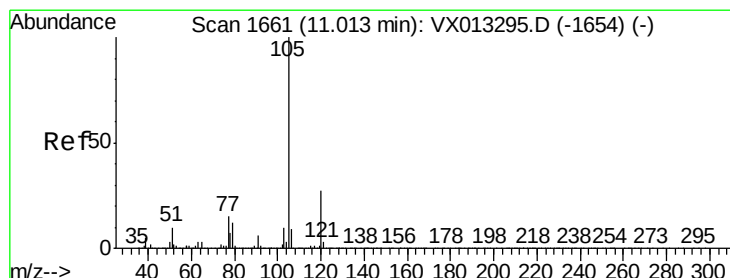
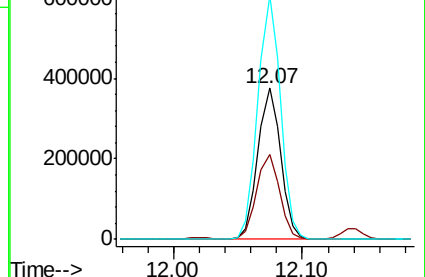
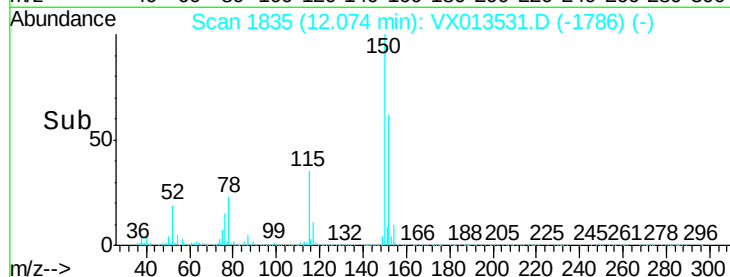
150 158.6 0.0 344.4



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: 4.738 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013531.D

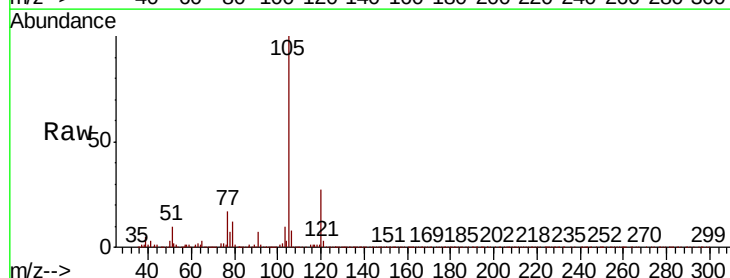
Acq: 22 Nov 2019 14:25

Tgt Ion:105 Resp: 144002

Ion Ratio Lower Upper

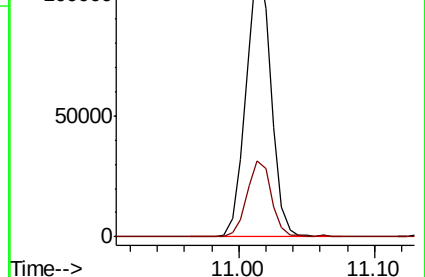
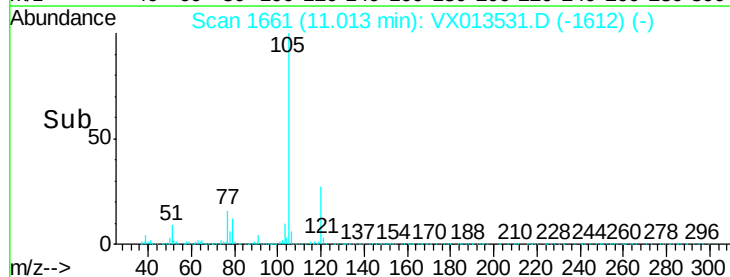
105 100

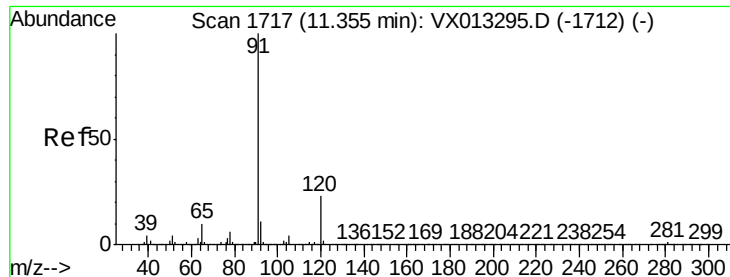
120 27.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 8.557 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013531.D

Acq: 22 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampled :

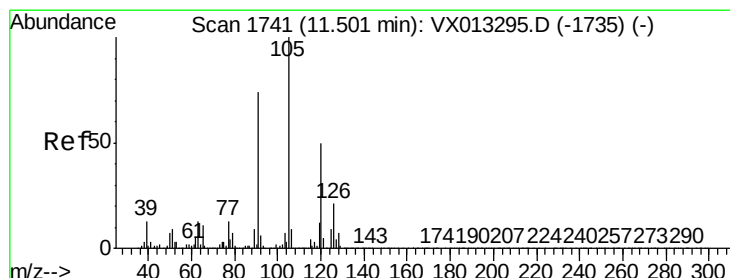
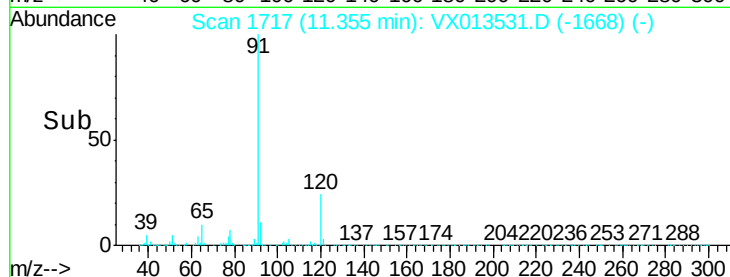
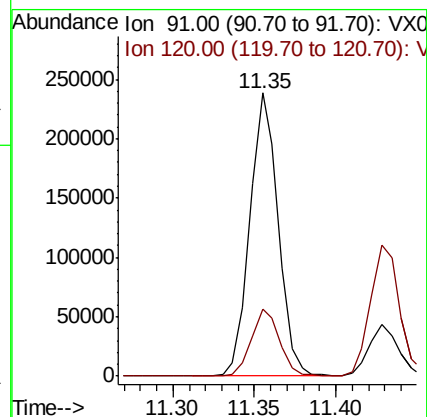
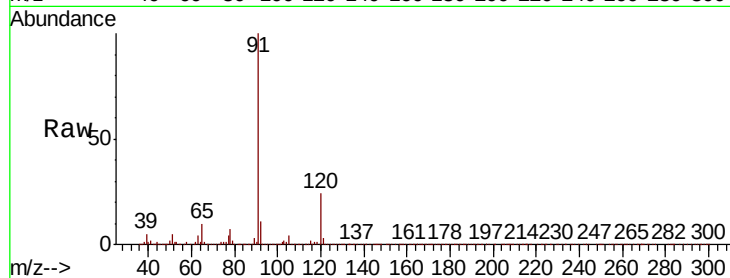
MW-5DL

Tot Ion: 91 Resp: 289725

Ion Ratio Lower Upper

91 100

120 23.7 11.6 34.8



#80

1,3,5-Trimethylbenzene

Concen: 15.550 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013531.D

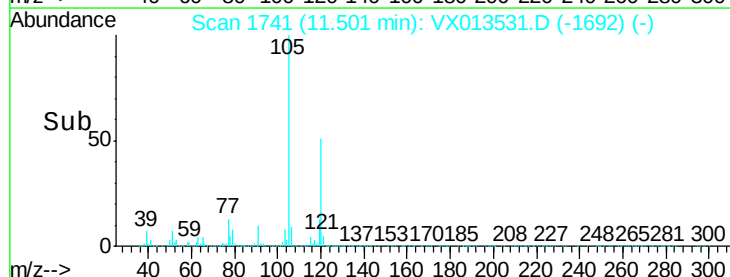
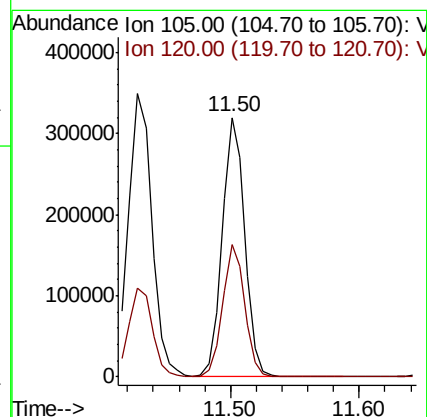
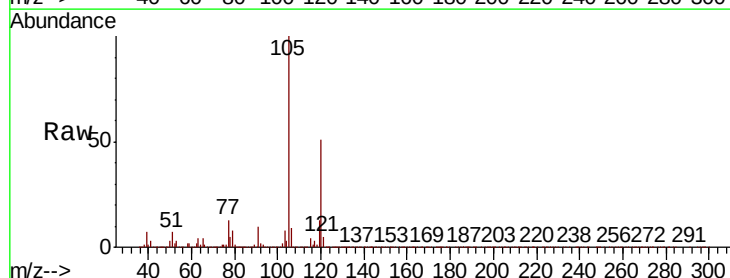
Acq: 22 Nov 2019 14:25

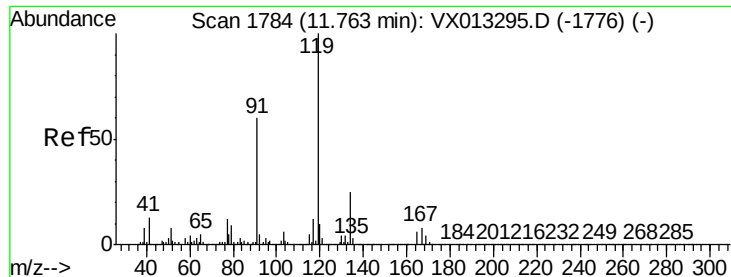
Tgt Ion: 105 Resp: 393678

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.8





#83

tert-Butylbenzene

Concen: 0.693 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VX013531.D

Acq: 22 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

MW-5DL

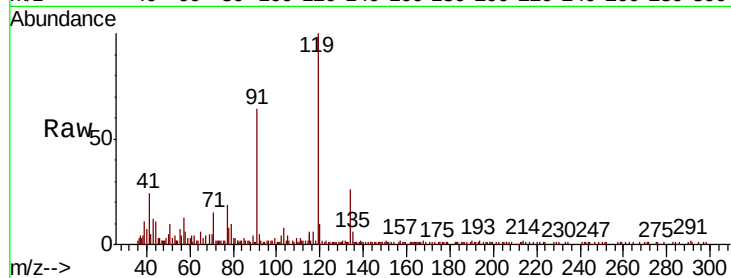
Tot Ion:119 Resp: 17650

Ion Ratio Lower Upper

119 100

91 59.6 26.9 80.7

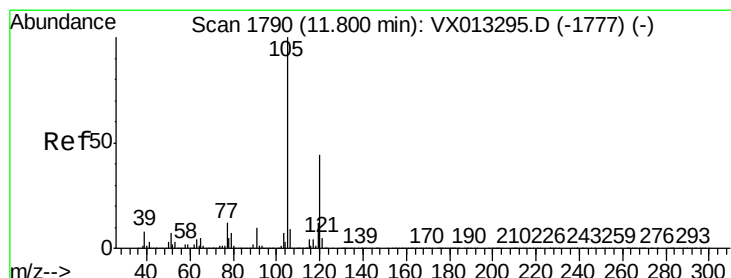
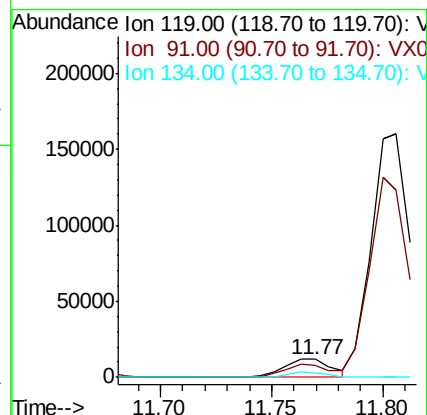
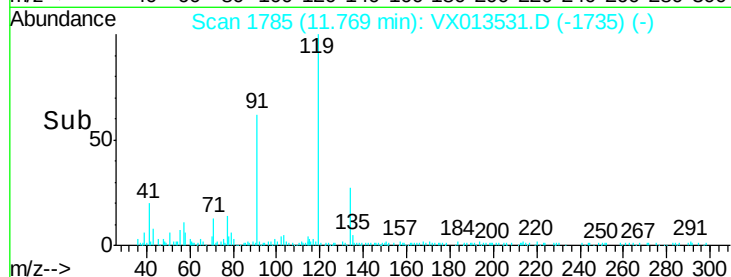
134 24.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 61.924 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013531.D

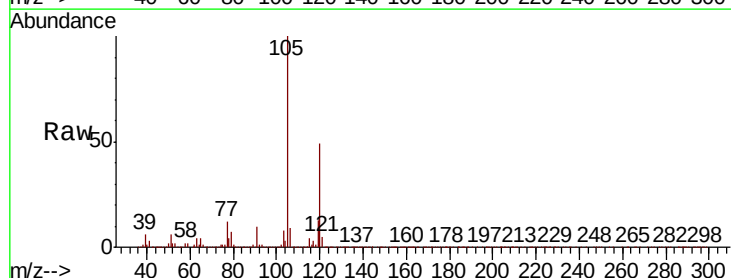
Acq: 22 Nov 2019 14:25

Tgt Ion:105 Resp: 1572701

Ion Ratio Lower Upper

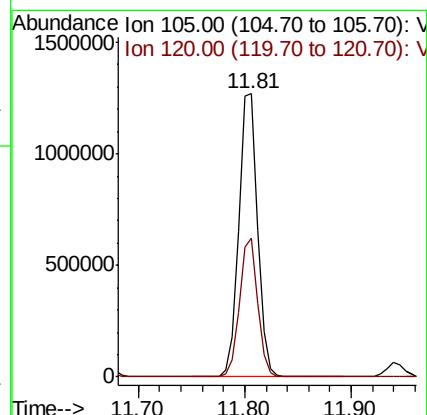
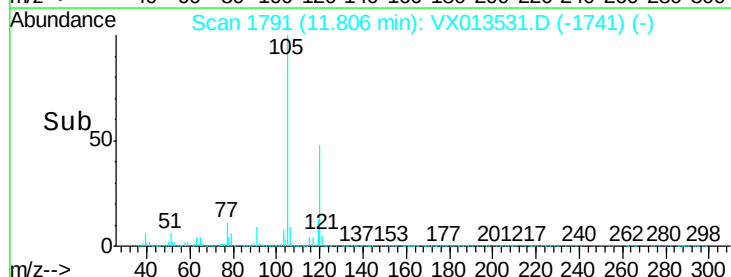
105 100

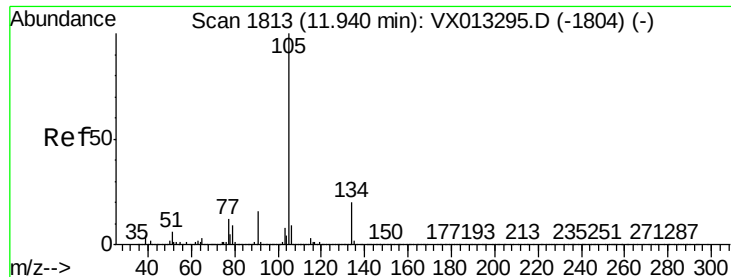
120 47.5 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

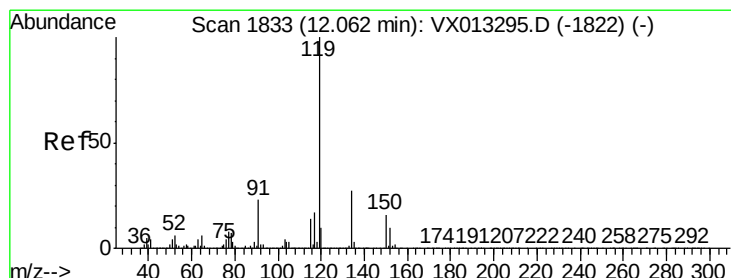
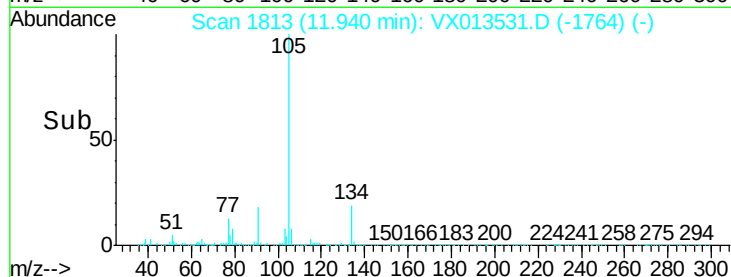
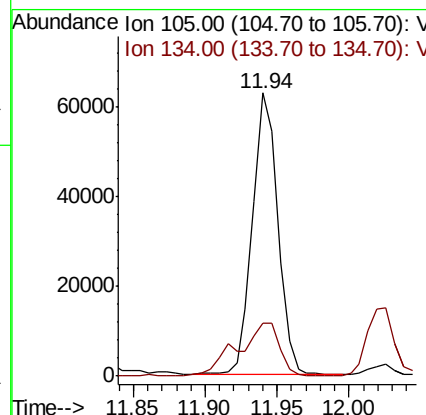
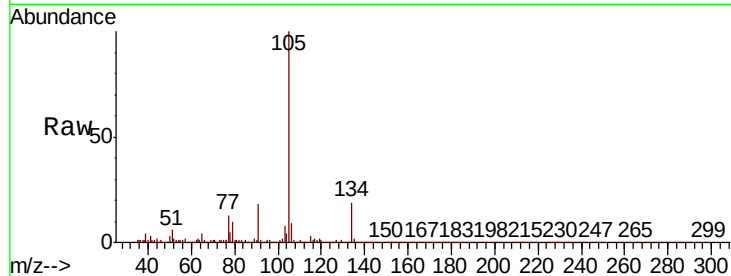




#85
 sec-Butylbenzene
 Concen: 2.618 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013531.D
 Acq: 22 Nov 2019 14:25

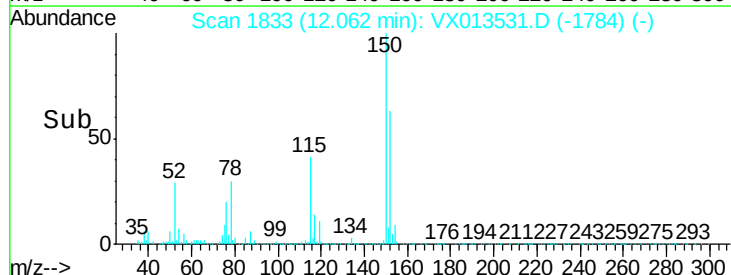
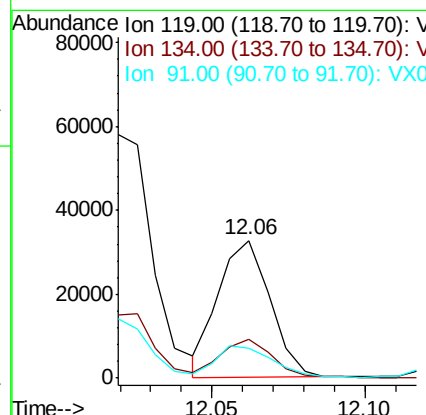
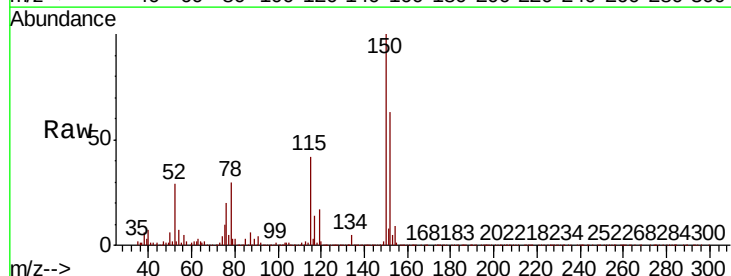
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5DL

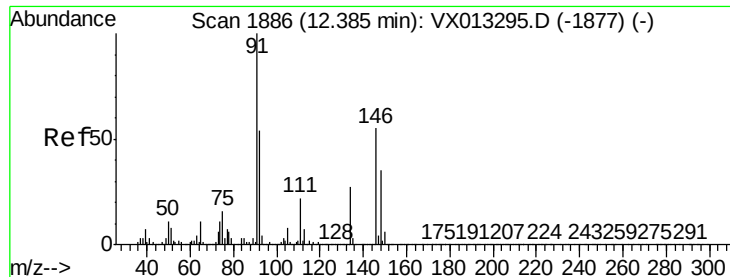
Tot Ion:105 Resp: 76673
 Ion Ratio Lower Upper
 105 100
 134 30.8 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 1.419 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX013531.D
 Acq: 22 Nov 2019 14:25

Tgt Ion:119 Resp: 38266
 Ion Ratio Lower Upper
 119 100
 134 28.1 13.3 39.8
 91 25.6 11.5 34.4





#89

n-Butylbenzene

Concen: 2.481 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX013531.D

Acq: 22 Nov 2019 14:25

Instrument :

MSVOA_X

ClientSampled :

MW-5DL

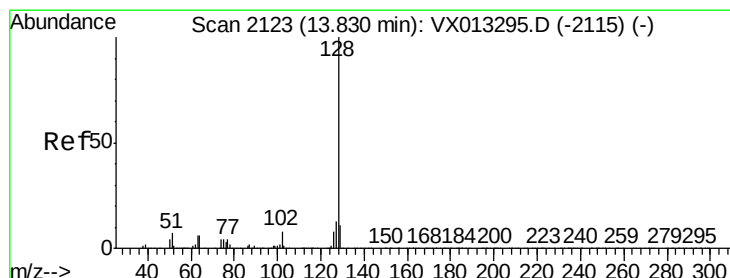
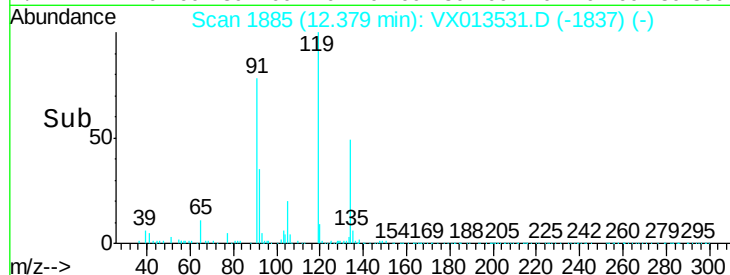
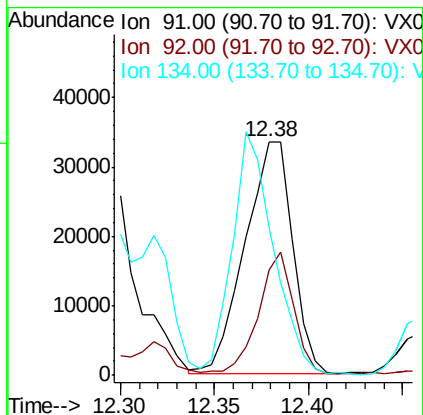
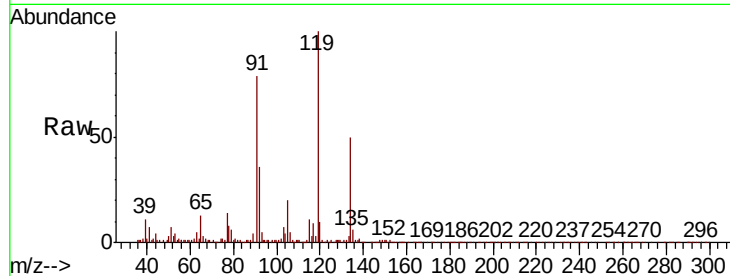
Tot Ion: 91 Resp: 58399

Ion Ratio Lower Upper

91 100

92 39.4 27.3 81.8

134 90.7 13.5 40.5#



#95

Naphthalene

Concen: 2.303 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013531.D

Acq: 22 Nov 2019 14:25

Tgt Ion: 128 Resp: 72761

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.2

129 10.5 8.5 12.7

