

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008404.D
 Acq On : 24 Mar 2019 19:57
 Operator : JC/SP
 Sample : K2059-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Mar 25 08:08:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	227103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389822	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148169	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	160860	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
35) Dibromofluoromethane	5.50	113	121985	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
50) Toluene-d8	8.71	98	496157	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.13	95	182894	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	

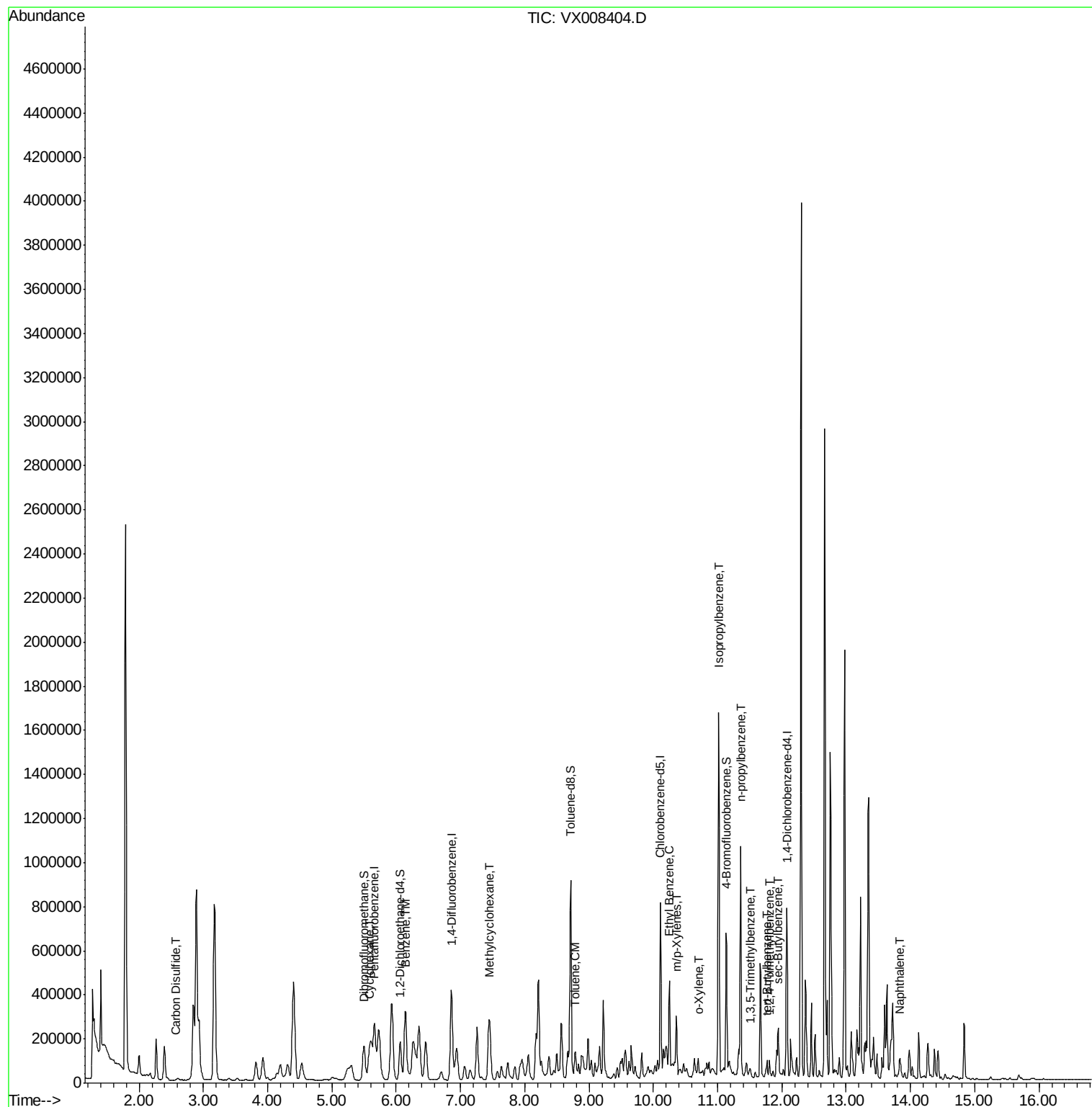
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	2.57	76	1933	0.234	ug/l #	83
31) Cyclohexane	5.59	56	113711	20.875	ug/l #	87
39) Methylcyclohexane	7.46	83	83427	17.087	ug/l #	64
40) Benzene	6.15	78	367399	30.286	ug/l	100
52) Toluene	8.79	92	37837	5.319	ug/l	98
67) Ethyl Benzene	10.25	91	236574	17.867	ug/l	97
68) m/p-Xylenes	10.36	106	48669	10.230	ug/l	91
69) o-Xylene	10.69	106	14782	3.178	ug/l	92
73) Isopropylbenzene	11.02	105	792096	67.740	ug/l	98
78) n-propylbenzene	11.36	91	604044	44.075	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	13733	1.381	ug/l	95
83) tert-Butylbenzene	11.77	119	26305	2.777	ug/l	84
84) 1,2,4-Trimethylbenzene	11.80	105	32572	3.281	ug/l	95
85) sec-Butylbenzene	11.94	105	78198	6.888	ug/l	92
95) Naphthalene	13.83	128	51287	4.303	ug/l #	93

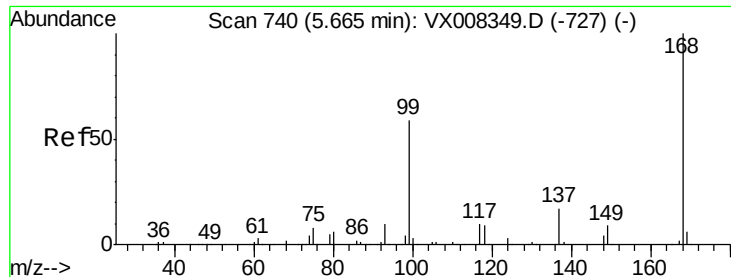
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 23 15:27:34 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

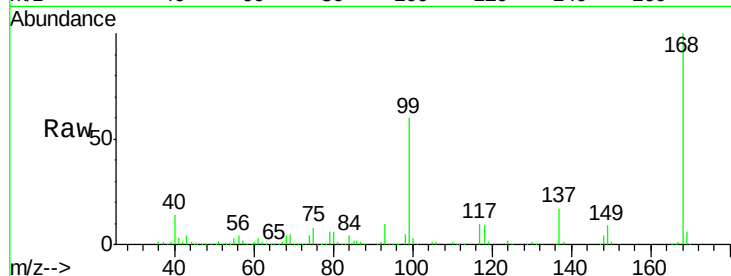
MW-3

Tot Ion:168 Resp: 227103

Ion Ratio Lower Upper

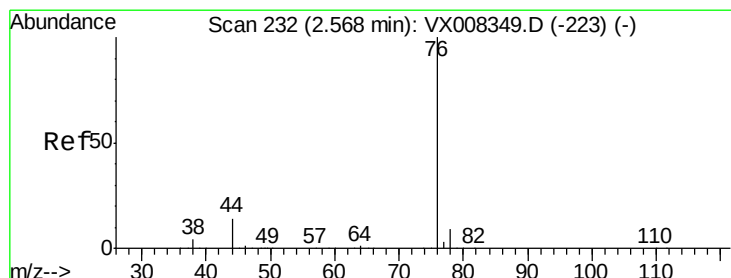
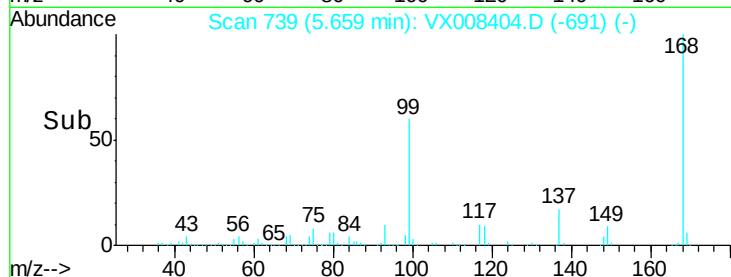
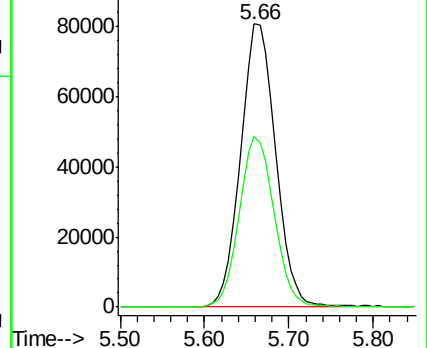
168 100

99 60.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#17

Carbon Disulfide

Concen: 0.234 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008404.D

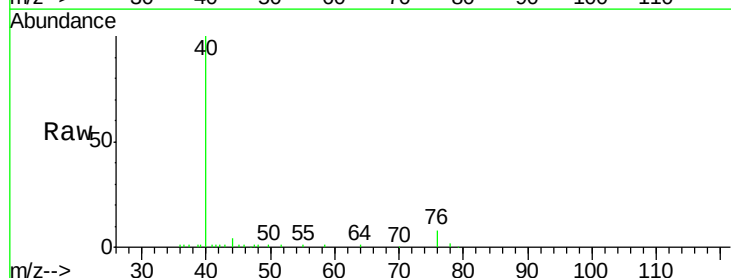
Acq: 24 Mar 2019 19:57

Tgt Ion: 76 Resp: 1933

Ion Ratio Lower Upper

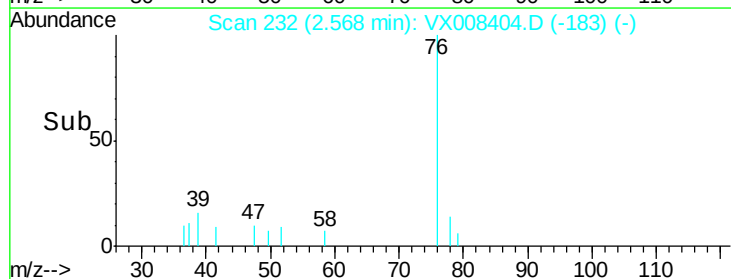
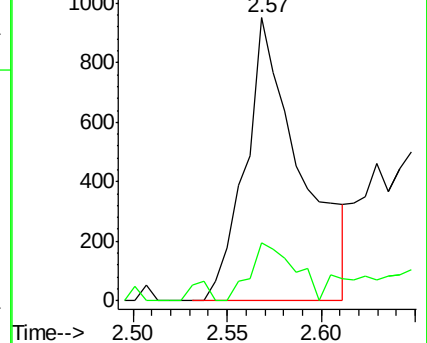
76 100

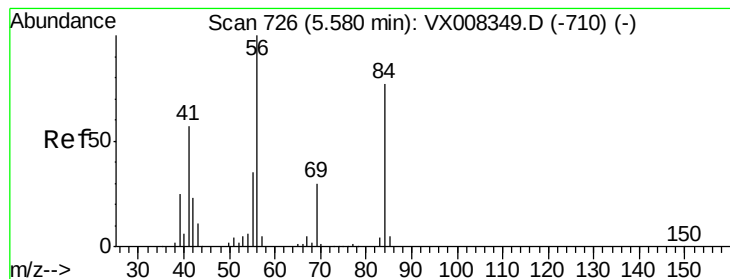
78 15.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#31

Cyclohexane

Concen: 20.875 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

MW-3

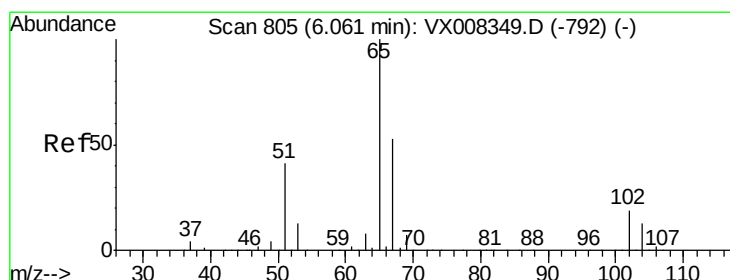
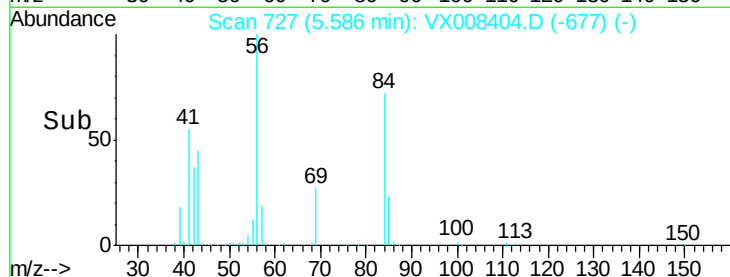
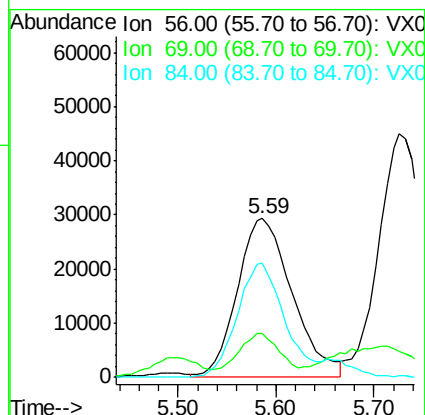
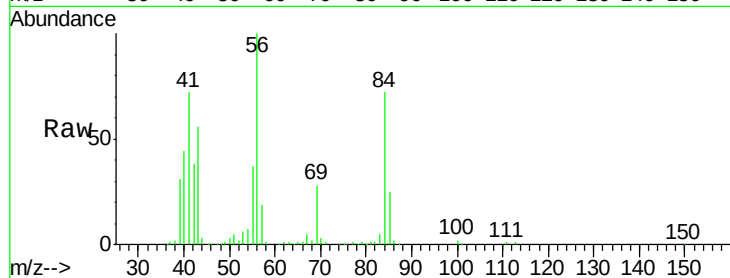
Tot Ion: 56 Resp: 113711

Ion Ratio Lower Upper

56 100

69 17.9 24.0 36.0#

84 72.8 65.3 97.9



#33

1,2-Dichloroethane-d4

Concen: 46.441 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008404.D

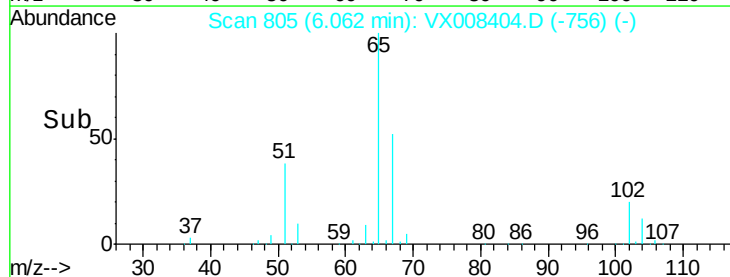
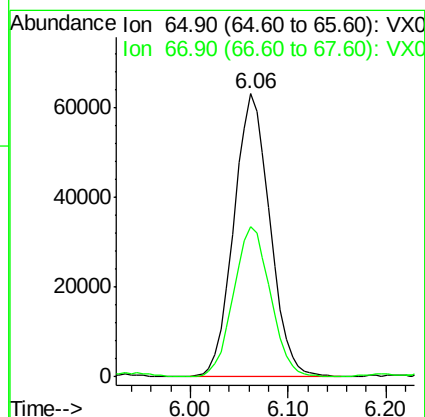
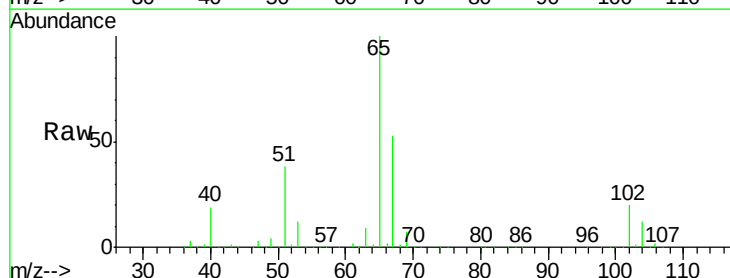
Acq: 24 Mar 2019 19:57

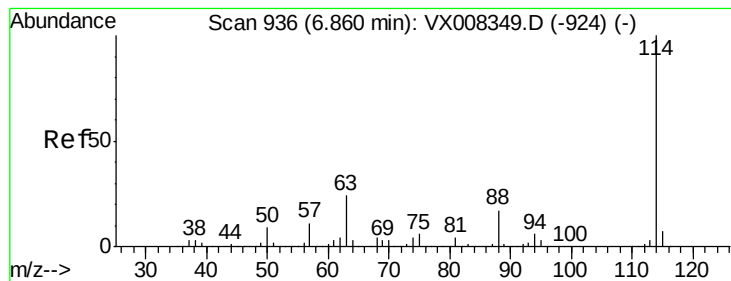
Tgt Ion: 65 Resp: 160860

Ion Ratio Lower Upper

65 100

67 54.0 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-3

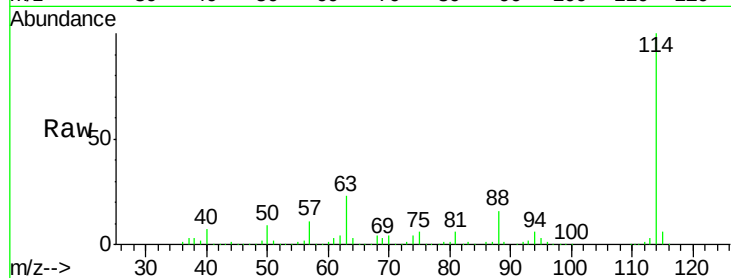
Tot Ion:114 Resp: 389822

Ion Ratio Lower Upper

114 100

63 23.0 0.0 39.8

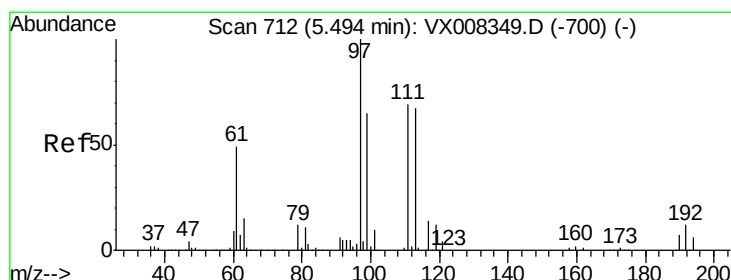
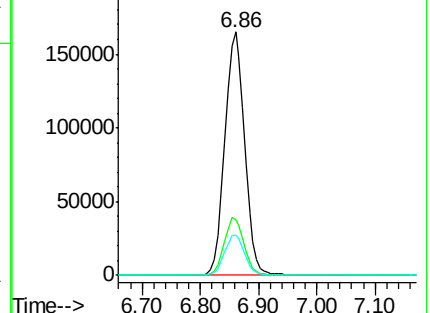
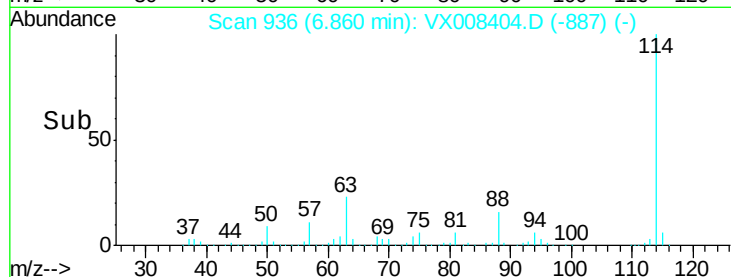
88 16.4 0.0 31.4



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: 48.299 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

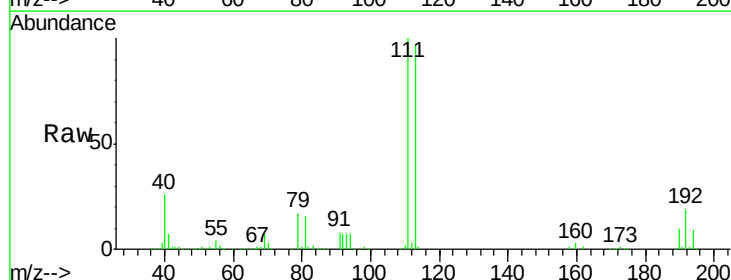
Tgt Ion:113 Resp: 121985

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

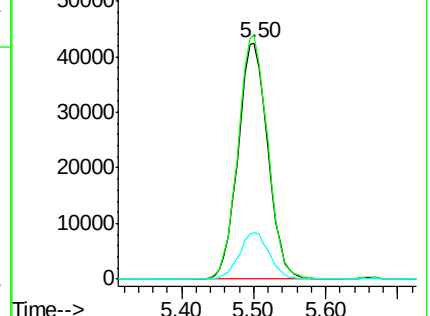
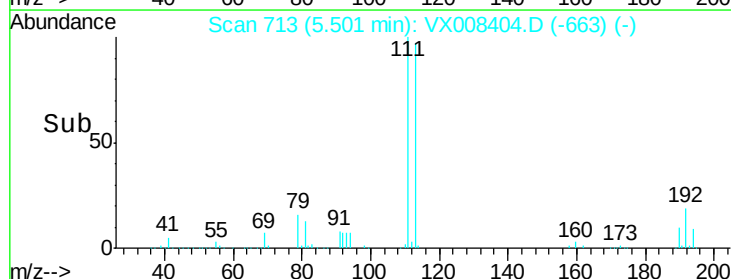
192 19.7 19.4 29.0

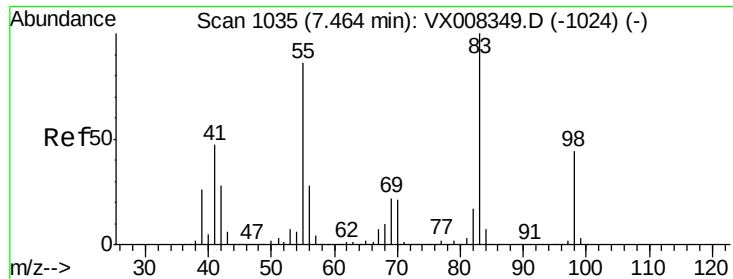


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

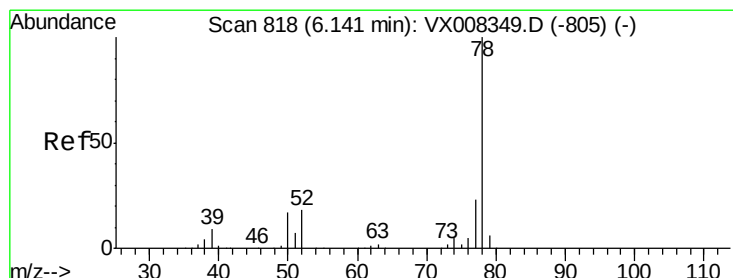
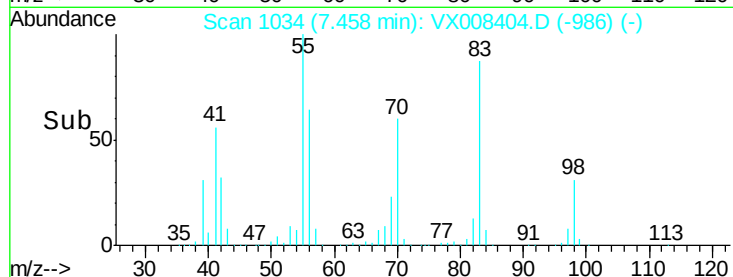
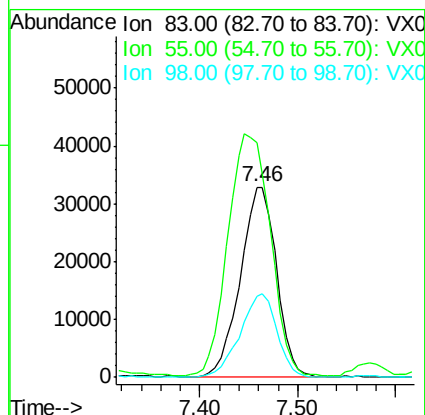
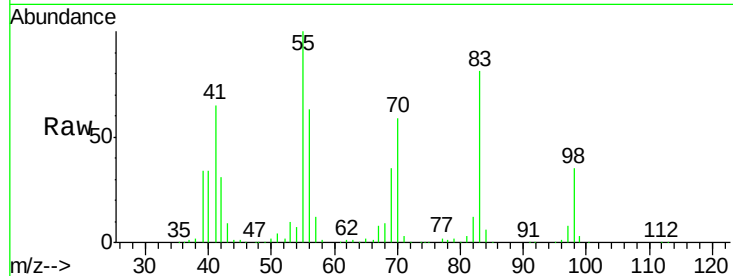




#39
Methylvlcyclohexane
Concen: 17.087 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

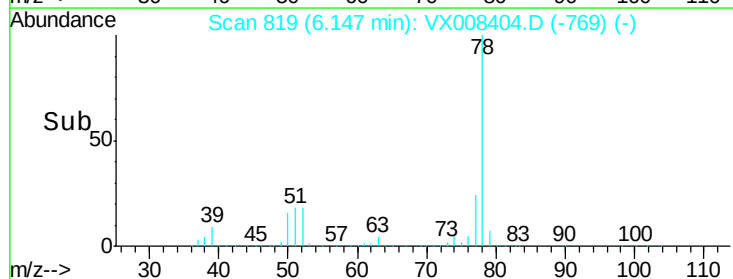
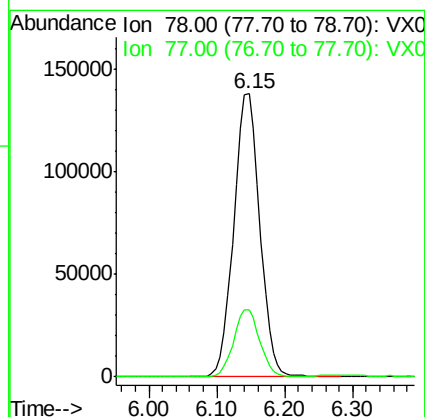
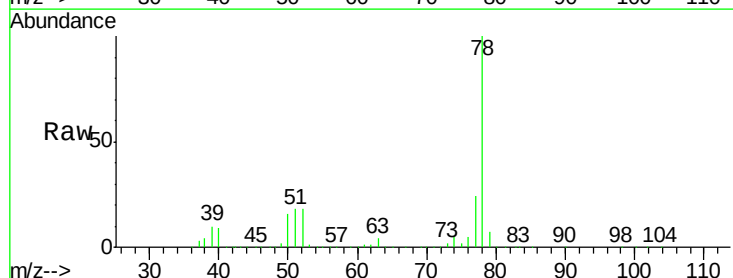
Instrument :
MSVOA_X
ClientSampleId :
MW-3

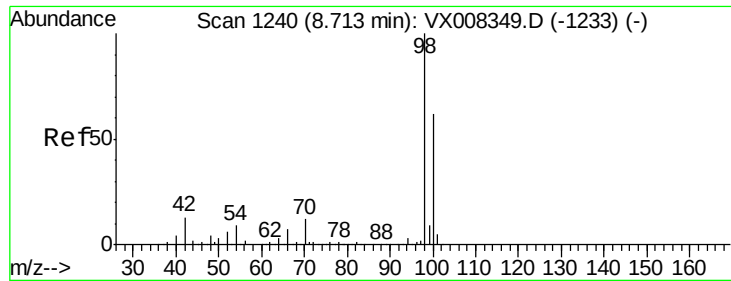
Tot Ion: 83 Resp: 83427
Ion Ratio Lower Upper
83 100
55 122.4 60.4 90.6#
98 42.6 36.5 54.7



#40
Benzene
Concen: 30.286 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

Tgt Ion: 78 Resp: 367399
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

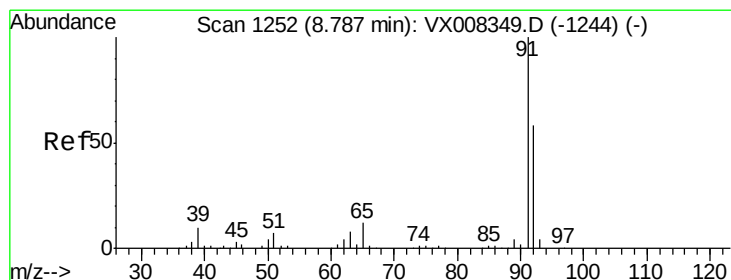
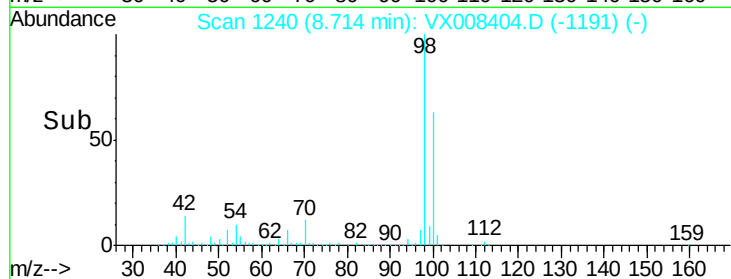
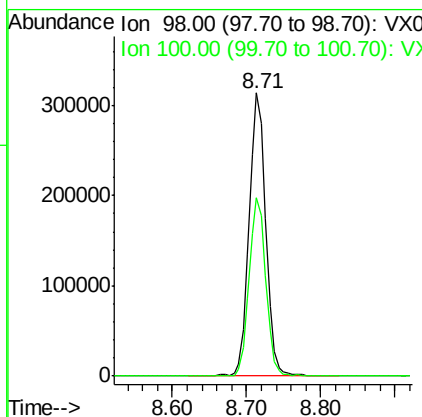
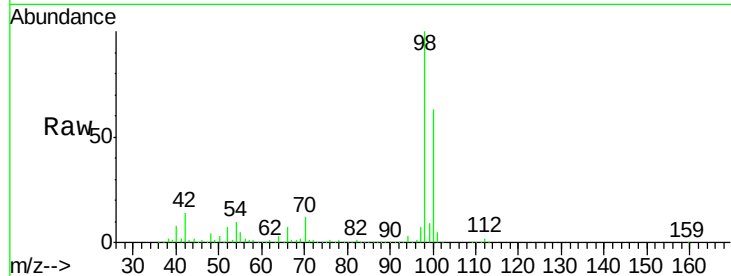




#50
Toluene-d8
Concen: 49.667 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

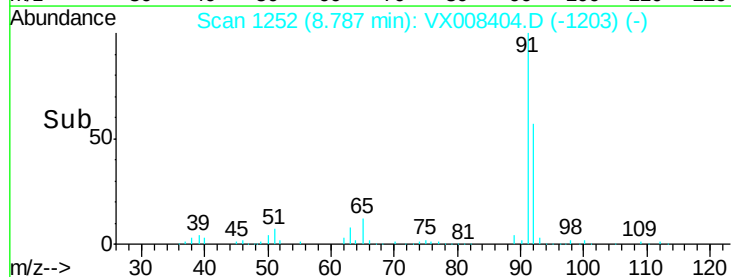
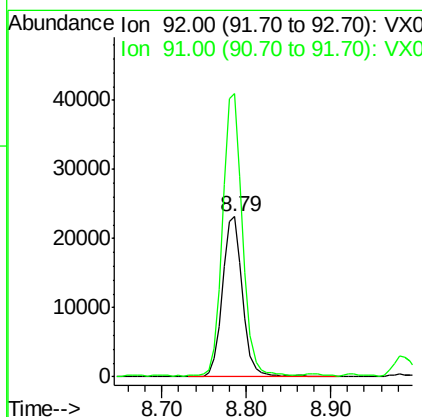
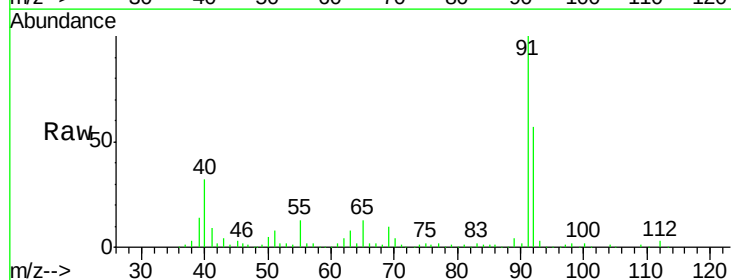
Instrument :
MSVOA_X
ClientSampled :
MW-3

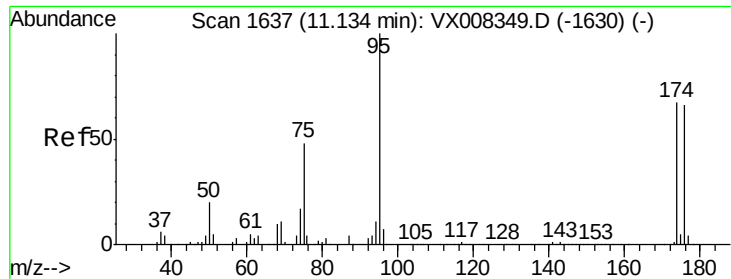
Tot Ion: 98 Resp: 496157
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5



#52
Toluene
Concen: 5.319 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

Tgt Ion: 92 Resp: 37837
Ion Ratio Lower Upper
92 100
91 174.2 137.4 206.0





#62

4-Bromofluorobenzene

Concen: 49.865 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-3

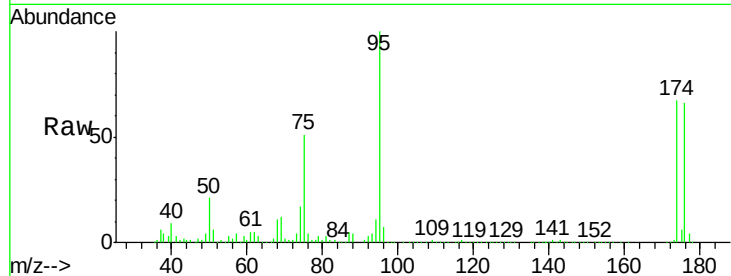
Tot Ion: 95 Resp: 182894

Ion Ratio Lower Upper

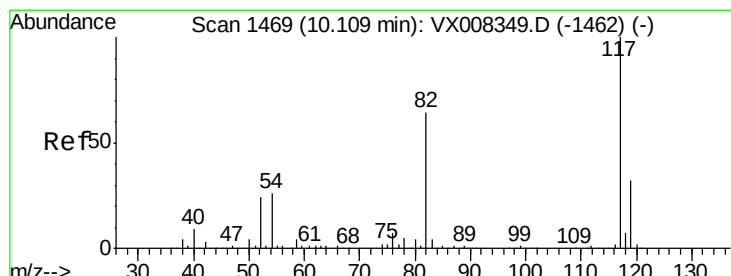
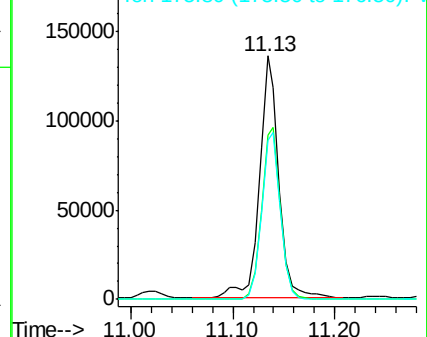
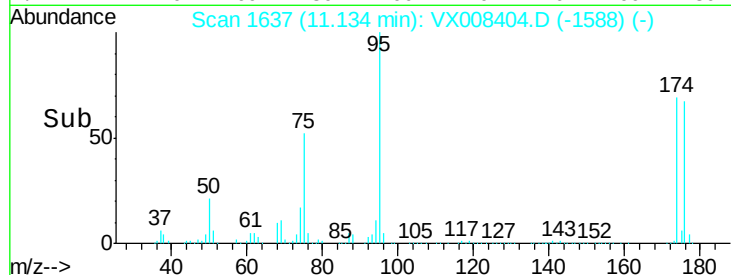
95 100

174 68.2 0.0 182.8

176 66.2 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008404.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

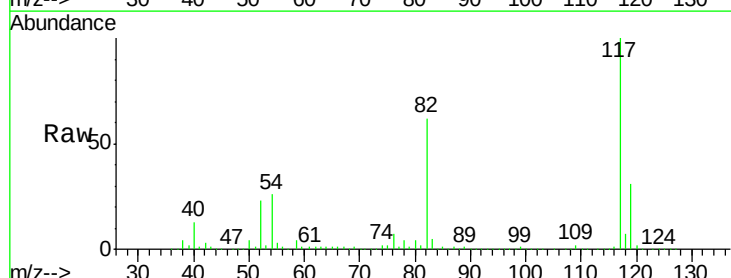
Tgt Ion: 117 Resp: 337167

Ion Ratio Lower Upper

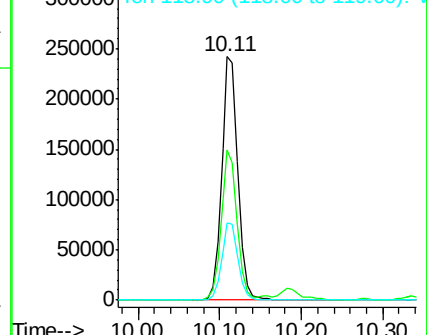
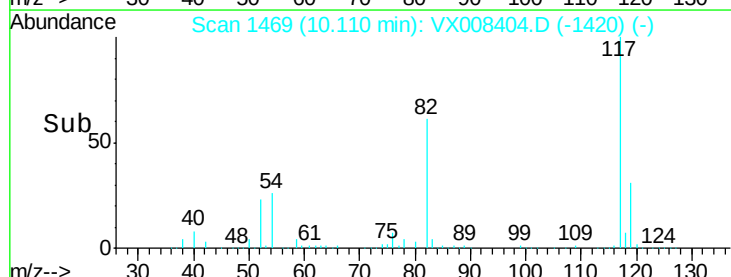
117 100

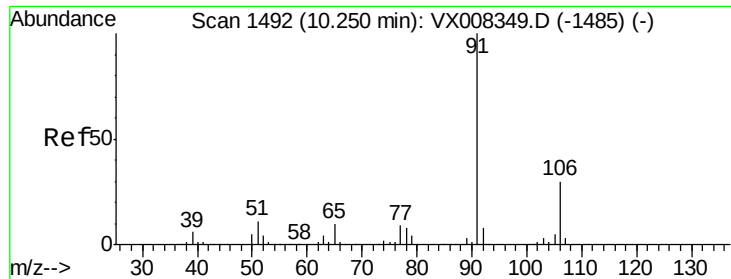
82 61.5 44.3 66.5

119 31.5 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VX008404.D (-1420) (-)





#67

Ethyl Benzene

Concen: 17.867 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

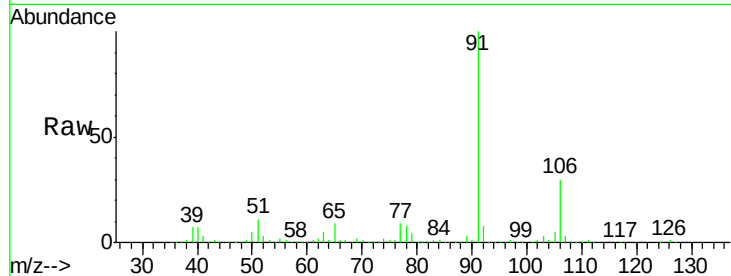
MW-3

Tot Ion: 91 Resp: 236574

Ion Ratio Lower Upper

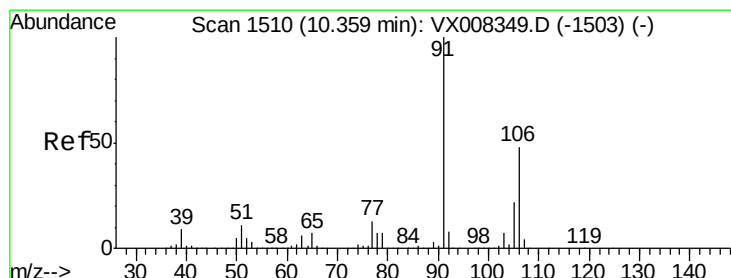
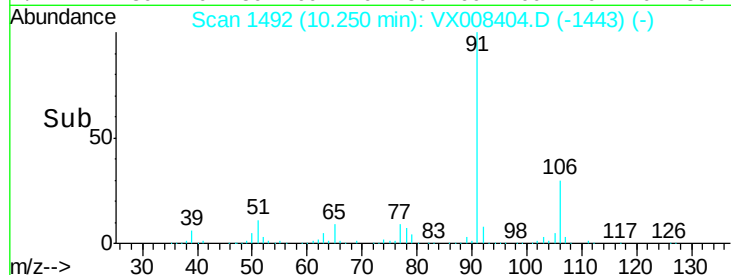
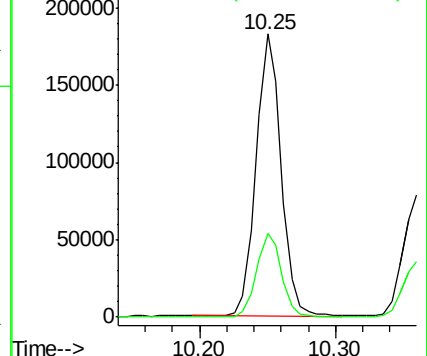
91 100

106 29.9 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 10.230 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008404.D

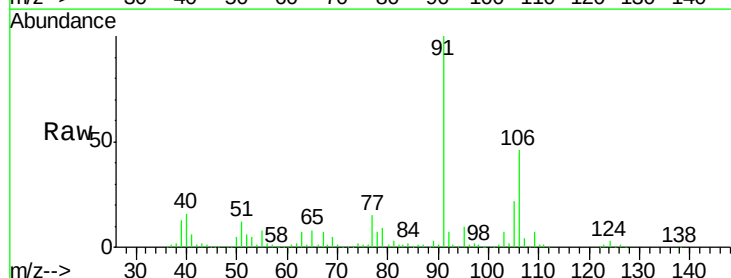
Acq: 24 Mar 2019 19:57

Tgt Ion: 106 Resp: 48669

Ion Ratio Lower Upper

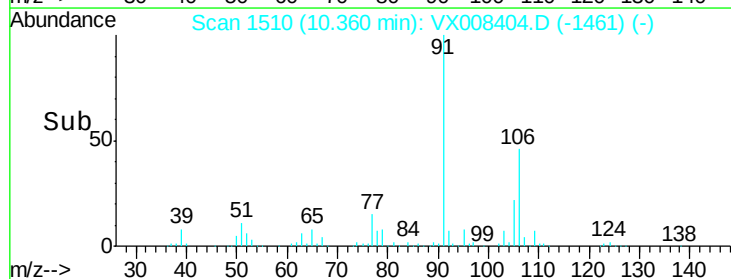
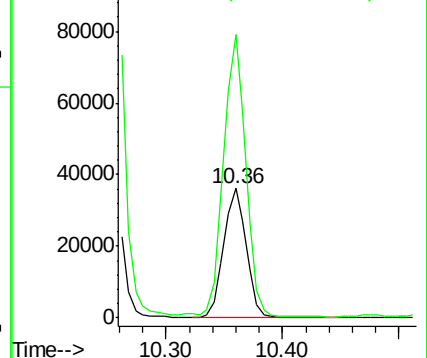
106 100

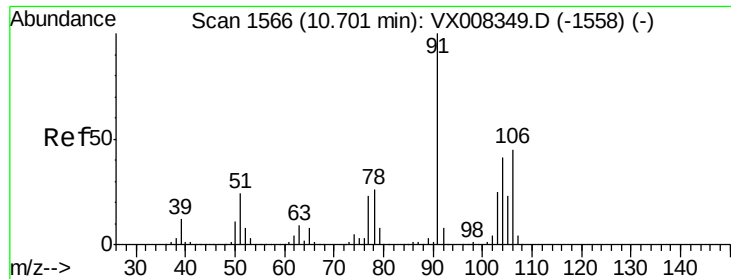
91 214.0 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

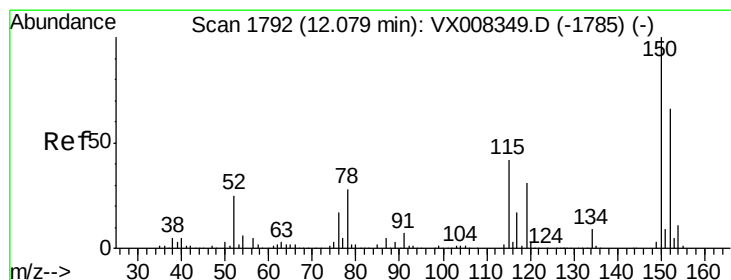
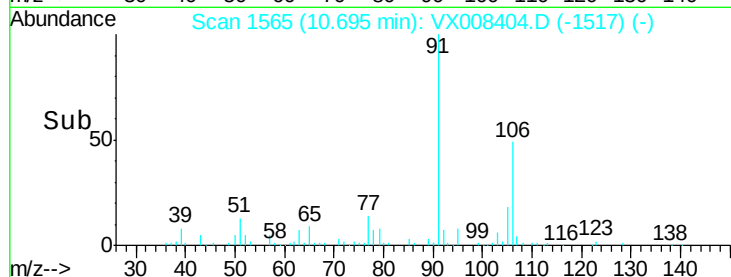
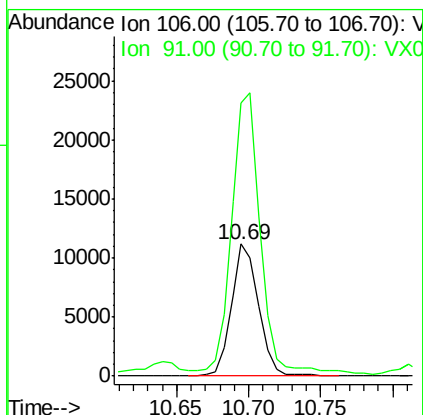
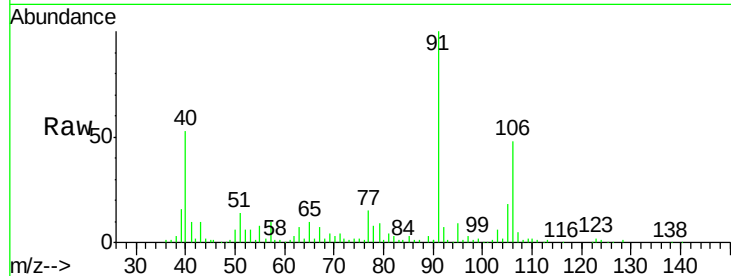




#69
o-Xylene
Concen: 3.178 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

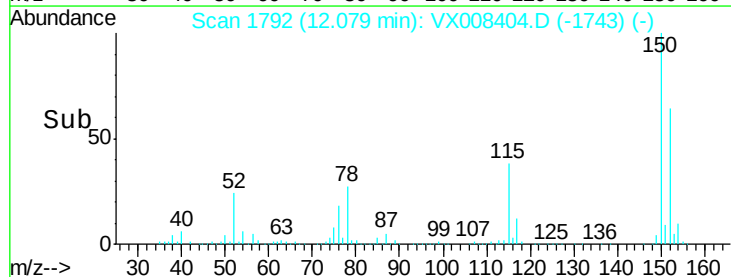
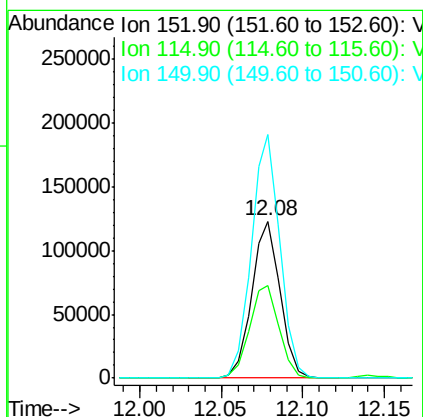
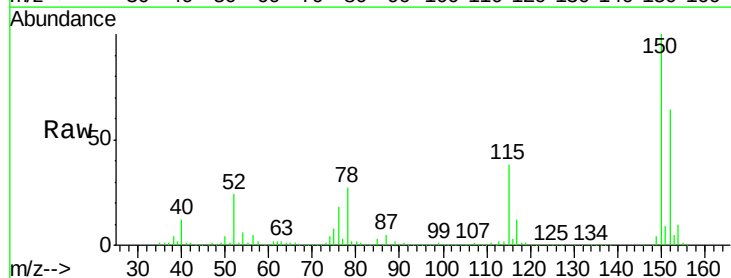
Instrument :
MSVOA_X
ClientSampled :
MW-3

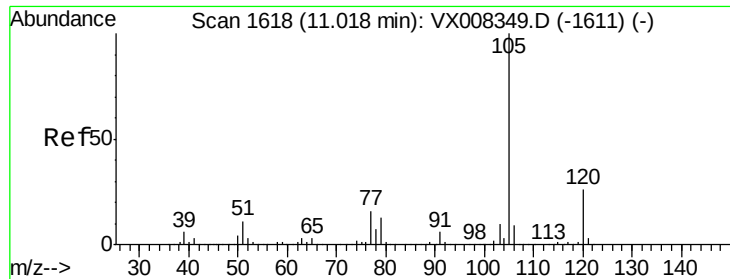
Tot Ion:106 Resp: 14782
Ion Ratio Lower Upper
106 100
91 225.1 106.3 318.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008404.D
Acq: 24 Mar 2019 19:57

Tgt Ion:152 Resp: 148169
Ion Ratio Lower Upper
152 100
115 61.7 38.6 115.7
150 156.7 0.0 348.4





#73

Isopropylbenzene

Concen: 67.740 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

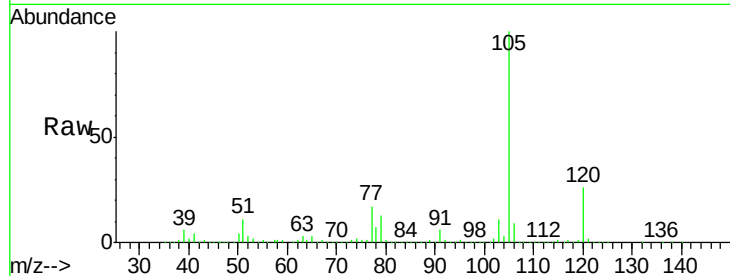
MW-3

Tot Ion:105 Resp: 792096

Ion Ratio Lower Upper

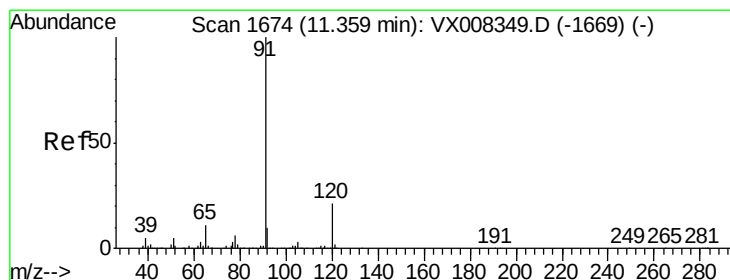
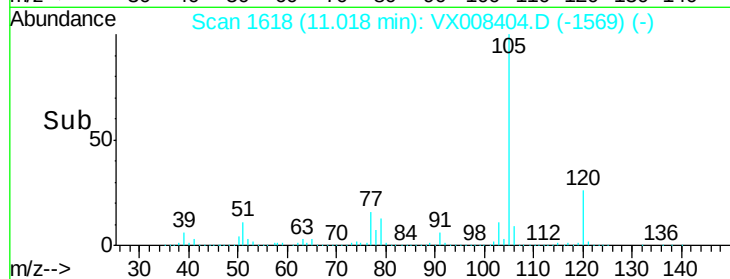
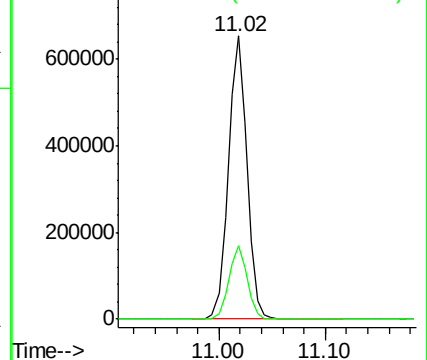
105 100

120 25.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 44.075 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008404.D

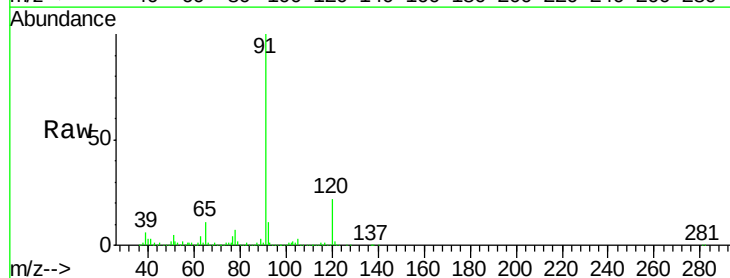
Acq: 24 Mar 2019 19:57

Tgt Ion: 91 Resp: 604044

Ion Ratio Lower Upper

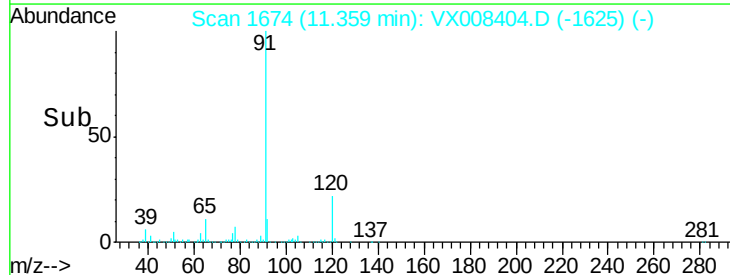
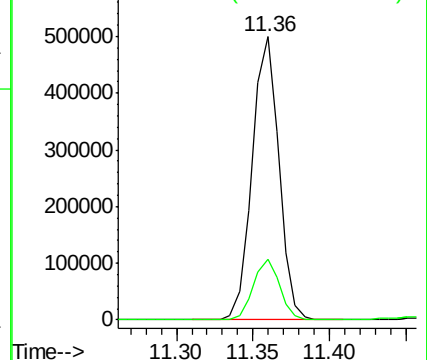
91 100

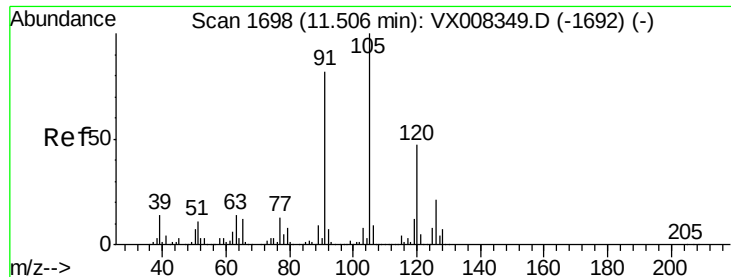
120 21.3 12.0 36.0



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: 1.381 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

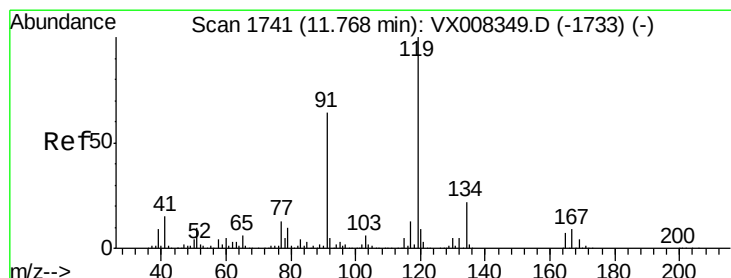
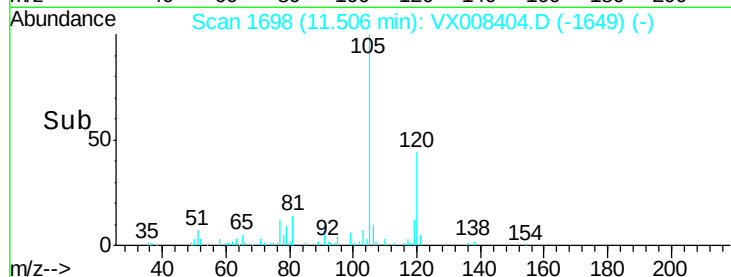
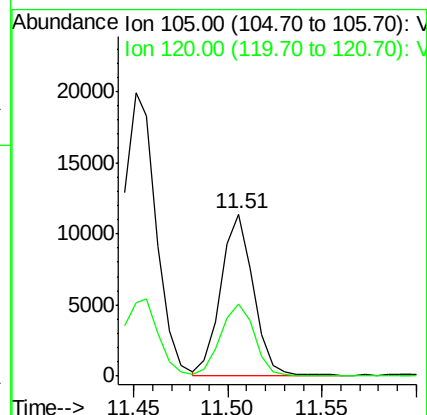
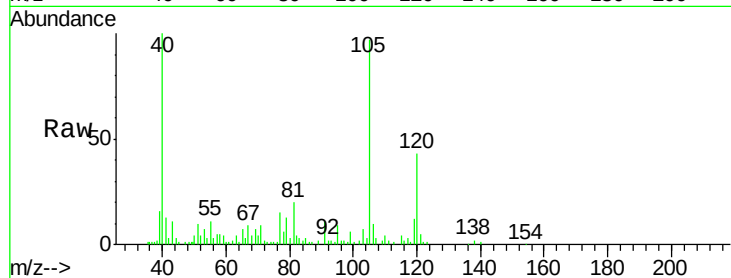
MW-3

Tot Ion:105 Resp: 13733

Ion Ratio Lower Upper

105 100

120 46.1 24.9 74.6



#83

tert-Butylbenzene

Concen: 2.777 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

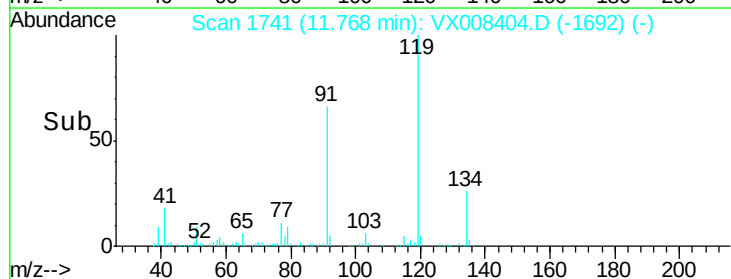
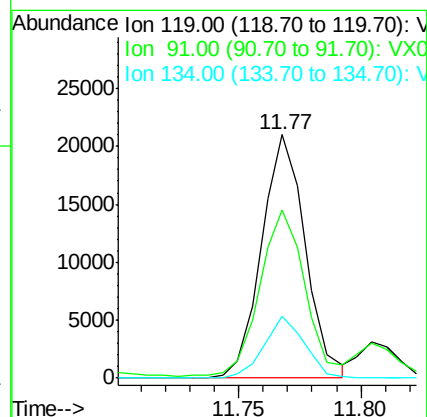
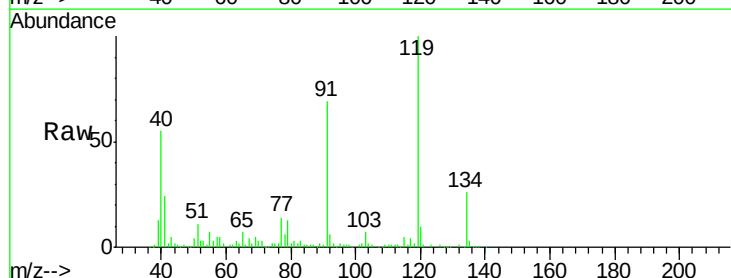
Tgt Ion:119 Resp: 26305

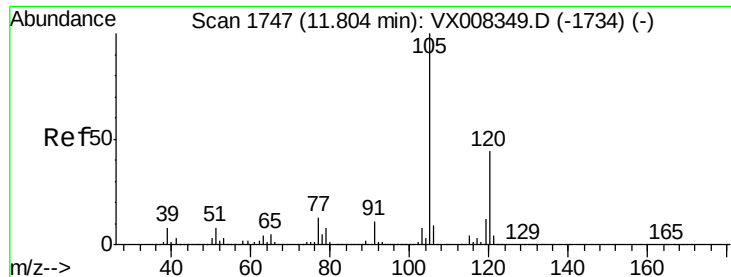
Ion Ratio Lower Upper

119 100

91 69.9 27.1 81.3

134 23.6 11.4 34.1

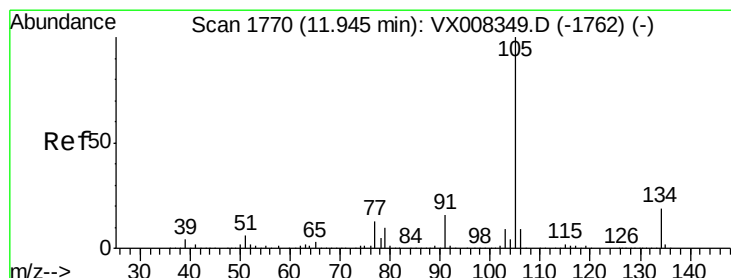
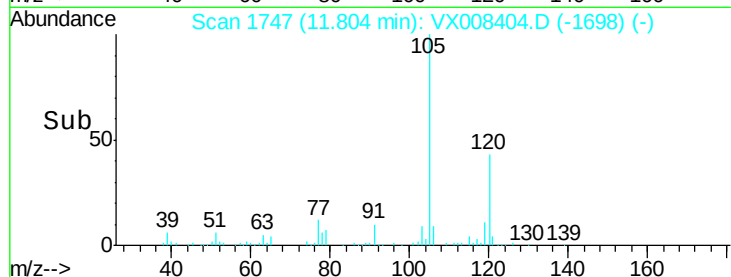
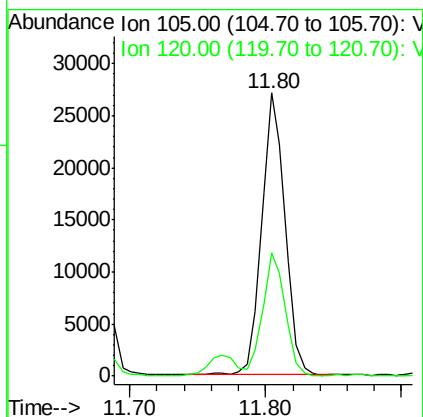
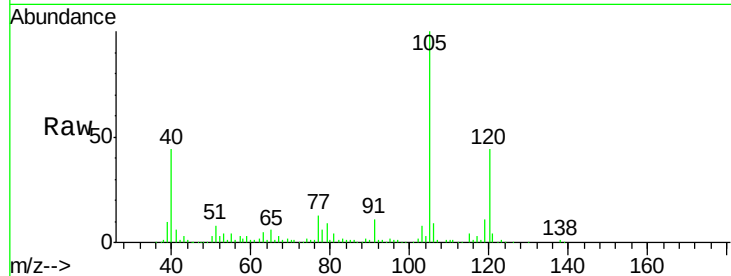




#84
 1,2,4-Trimethylbenzene
 Concen: 3.281 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008404.D
 Acq: 24 Mar 2019 19:57

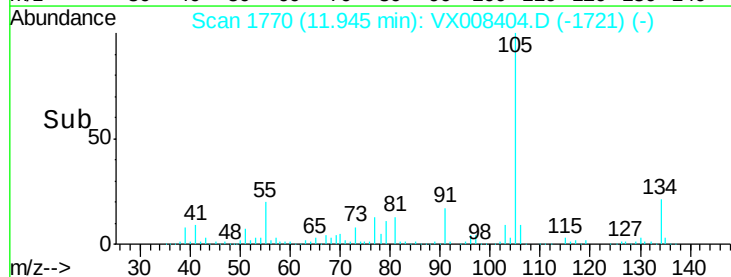
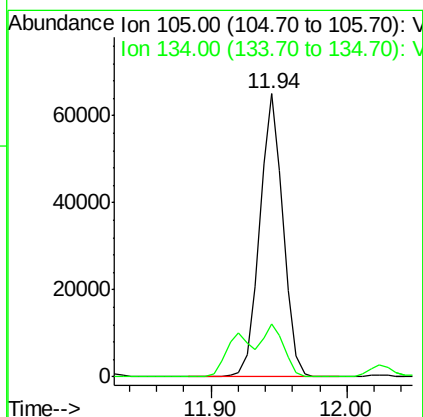
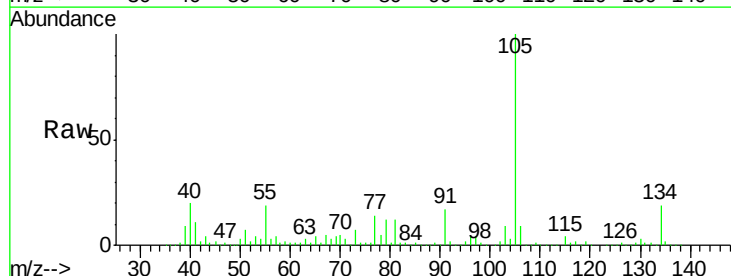
Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

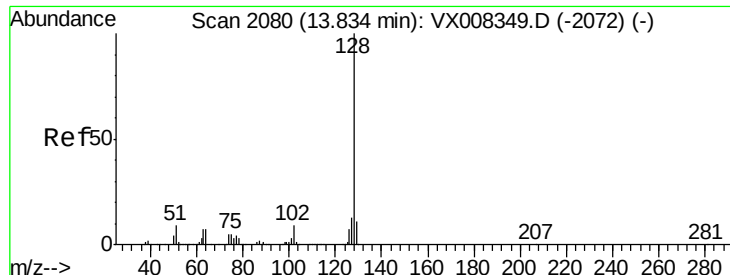
Tot Ion:105 Resp: 32572
 Ion Ratio Lower Upper
 105 100
 120 41.8 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 6.888 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008404.D
 Acq: 24 Mar 2019 19:57

Tgt Ion:105 Resp: 78198
 Ion Ratio Lower Upper
 105 100
 134 17.0 10.4 31.2





#95

Naphthalene

Concen: 4.303 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008404.D

Acq: 24 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-3

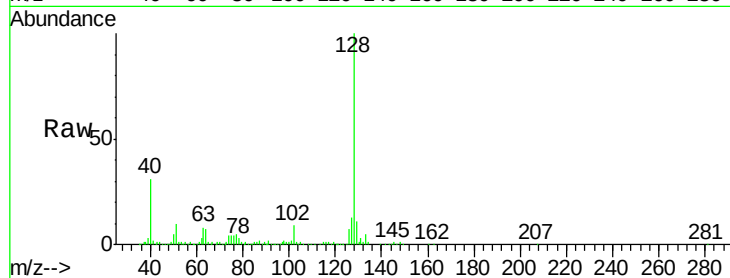
Tot Ion:128 Resp: 51287

Ion Ratio Lower Upper

128 100

127 14.4 10.3 15.5

129 15.1 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

