

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008402.D
 Acq On : 24 Mar 2019 19:11
 Operator : JC/SP
 Sample : K2059-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Mar 25 08:02:14 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

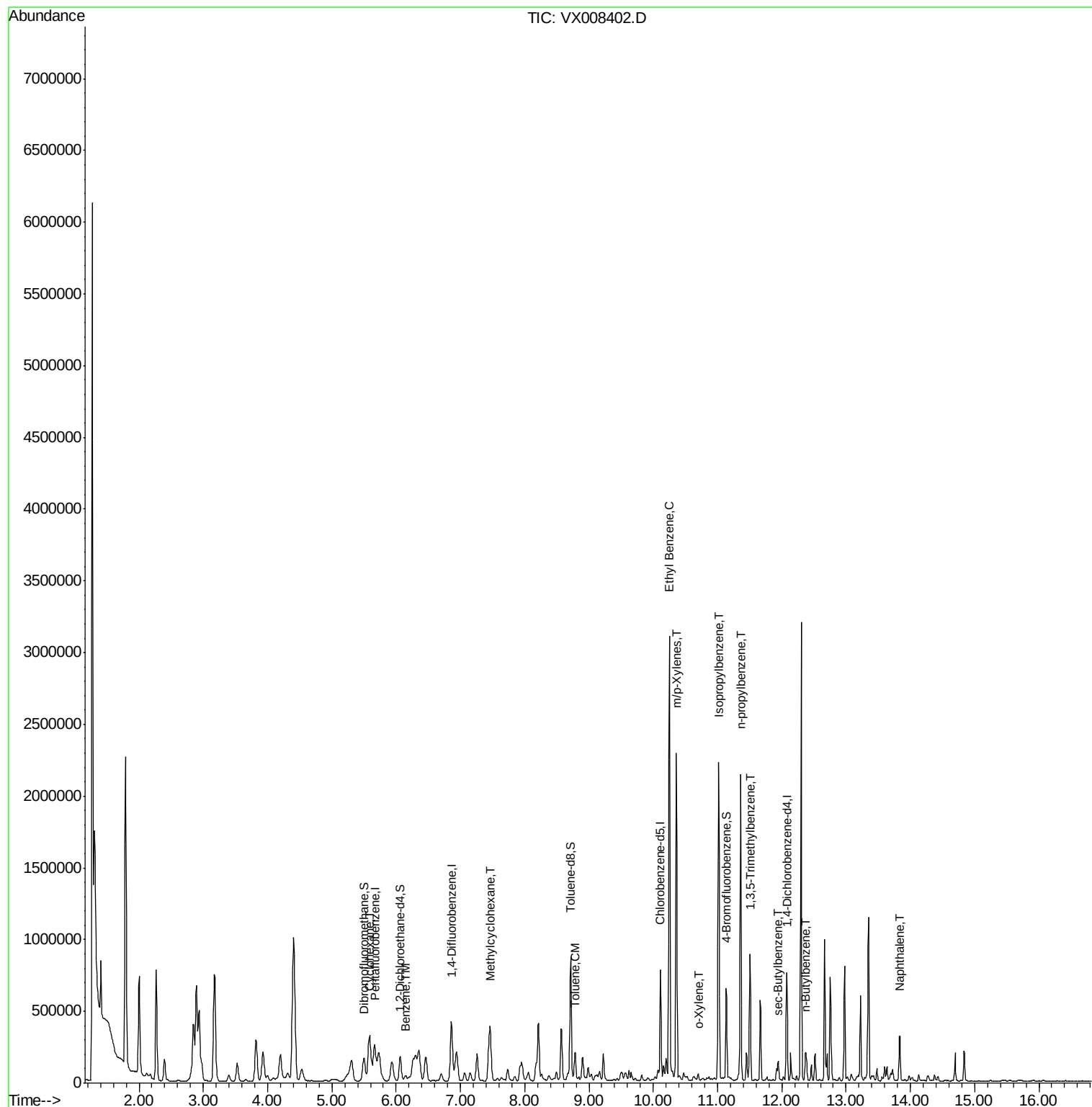
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148766	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	160232	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
35) Dibromofluoromethane	5.49	113	121849	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
50) Toluene-d8	8.71	98	494631	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.13	95	177889	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.59	56	238650	43.925	ug/l #	93
39) Methylcyclohexane	7.46	83	152425	31.429	ug/l #	85
40) Benzene	6.14	78	43437	3.605	ug/l	98
52) Toluene	8.79	92	66796	9.454	ug/l	97
67) Ethyl Benzene	10.25	91	1727782	130.389	ug/l	97
68) m/p-Xylenes	10.36	106	490005	102.919	ug/l	92
69) o-Xylene	10.70	106	8108	1.742	ug/l	94
73) Isopropylbenzene	11.02	105	1115357	95.003	ug/l	98
78) n-propylbenzene	11.36	91	1280654	93.069	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	362765	36.323	ug/l	96
85) sec-Butylbenzene	11.94	105	62953m	5.523	ug/l	
89) n-Butylbenzene	12.38	91	72238	7.532	ug/l #	75
95) Naphthalene	13.83	128	191037	15.965	ug/l	99

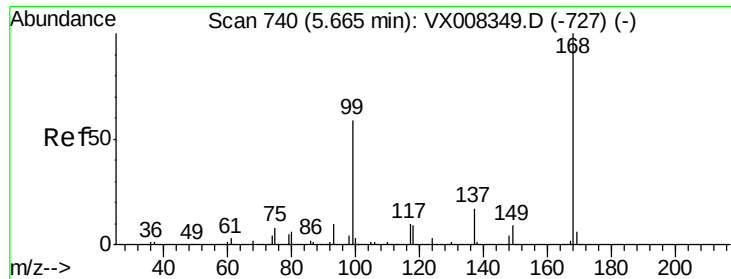
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008402.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_X

ClientSampled :

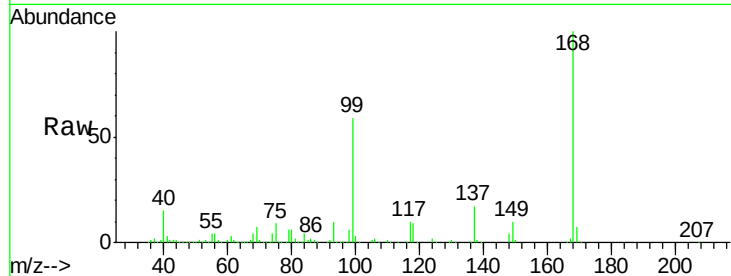
MW-4

Tot Ion:168 Resp: 226520

Ion Ratio Lower Upper

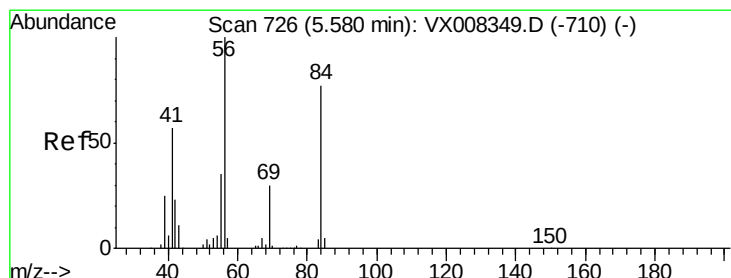
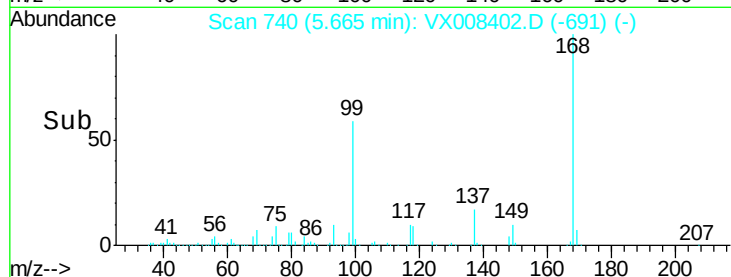
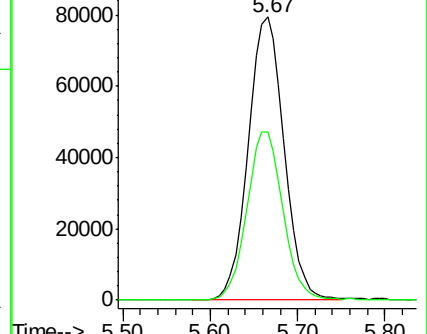
168 100

99 59.3 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 43.925 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX008402.D

Acq: 24 Mar 2019 19:11

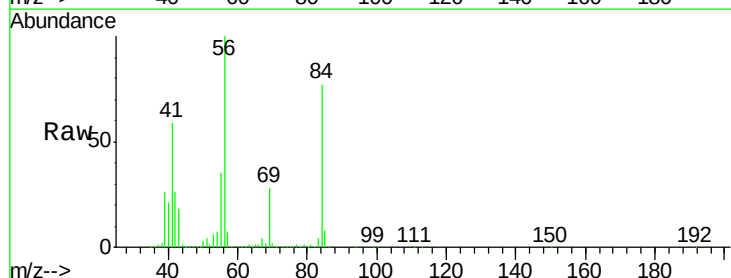
Tgt Ion: 56 Resp: 238650

Ion Ratio Lower Upper

56 100

69 22.9 24.0 36.0#

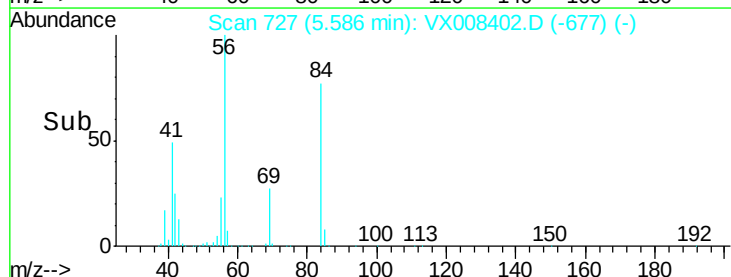
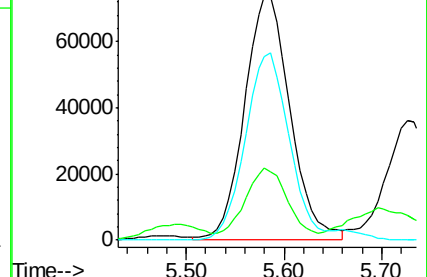
84 77.6 65.3 97.9

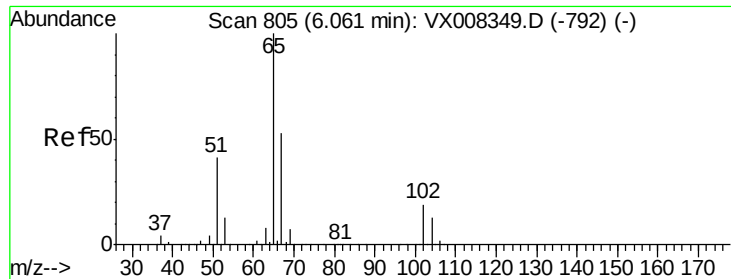


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

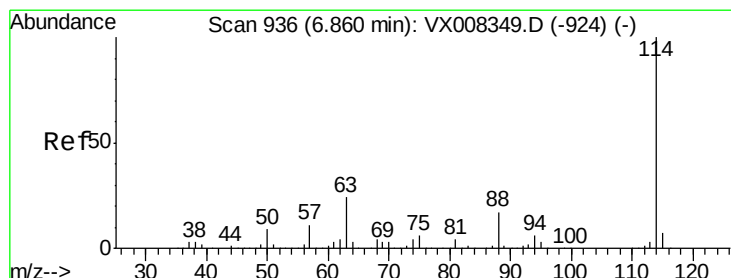
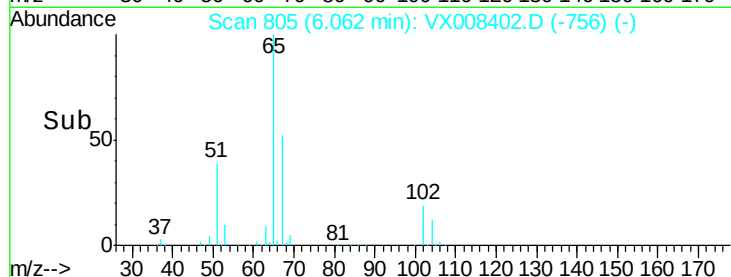
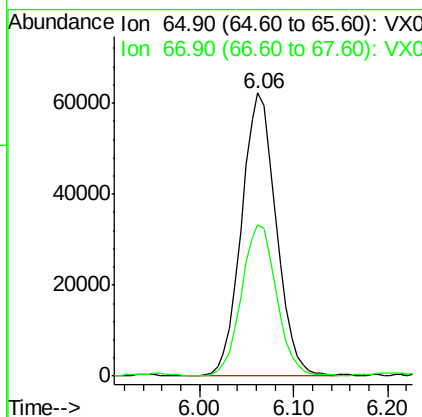
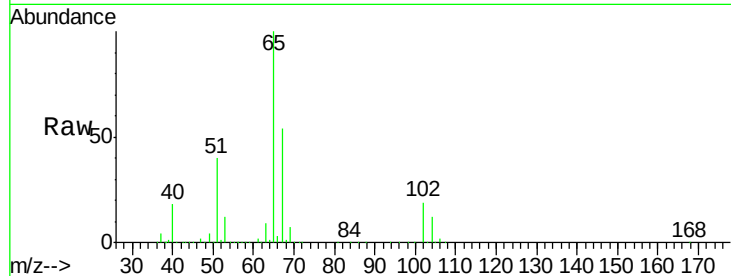




#33
 1,2-Dichloroethane-d4
 Concen: 46.378 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008402.D
 Acq: 24 Mar 2019 19:11

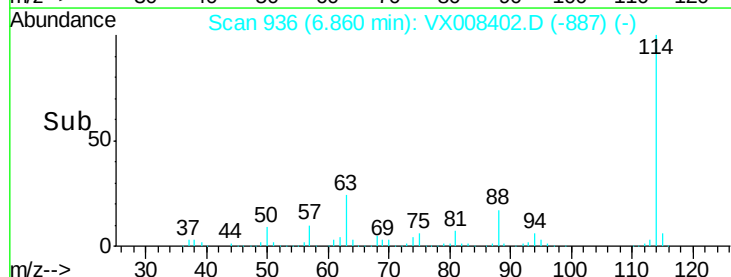
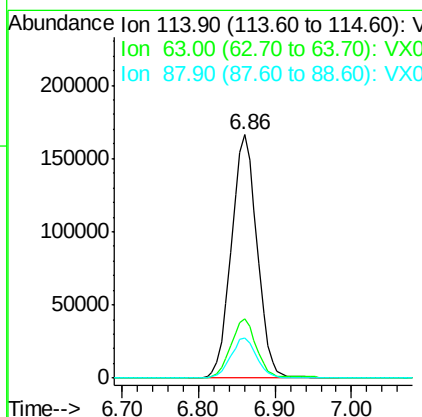
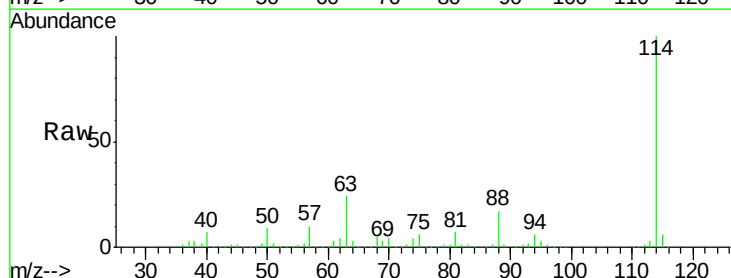
Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

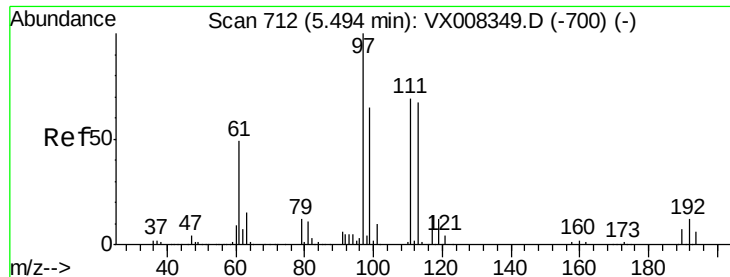
Tot Ion: 65 Resp: 160232
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008402.D
 Acq: 24 Mar 2019 19:11

Tgt Ion: 114 Resp: 387208
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 39.8
 88 16.6 0.0 31.4

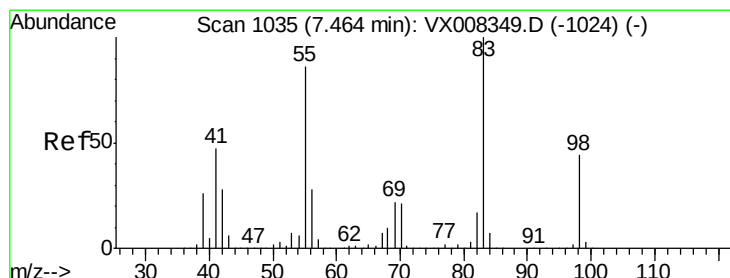
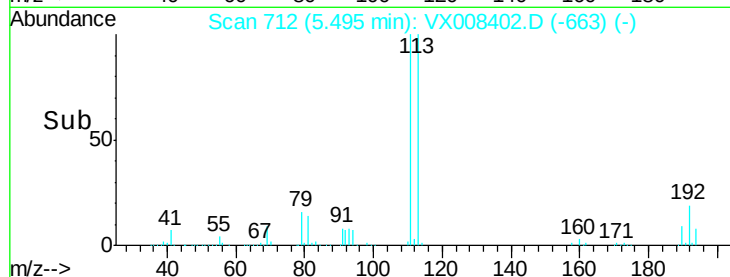
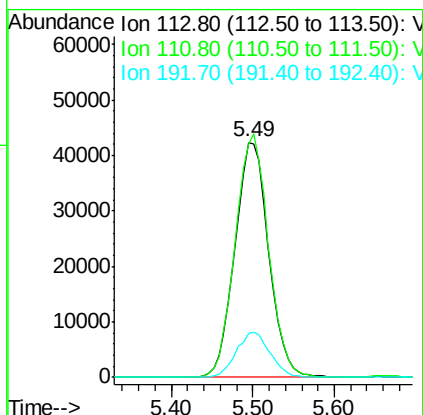
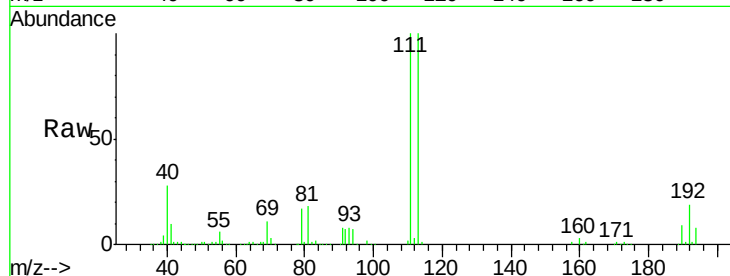




#35
 Dibromofluoromethane
 Concen: 48.571 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008402.D
 Acq: 24 Mar 2019 19:11

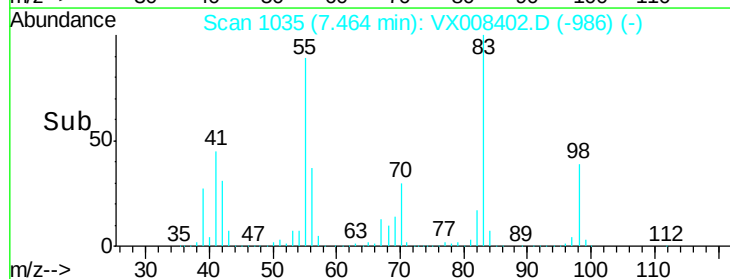
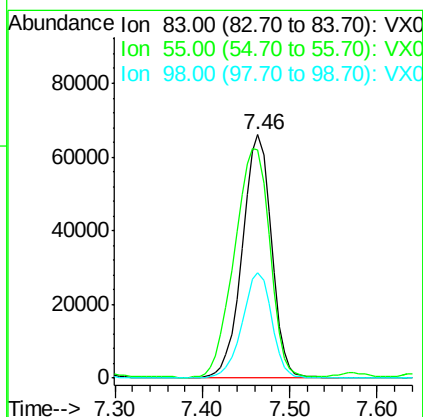
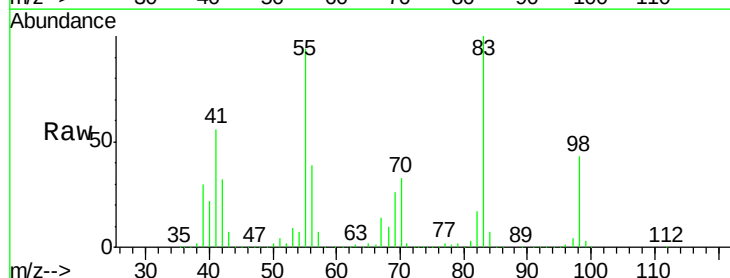
Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

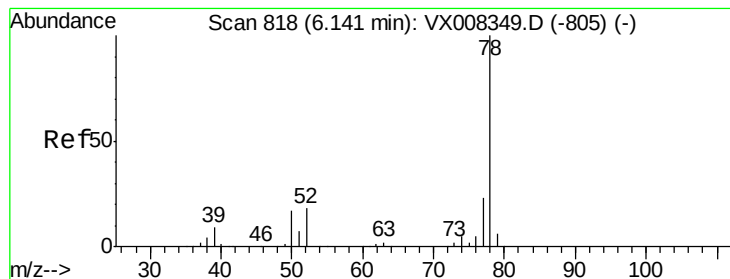
Tot Ion:113 Resp: 121849
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.0
 192 19.1 19.4 29.0#



#39
 Methylcyclohexane
 Concen: 31.429 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX008402.D
 Acq: 24 Mar 2019 19:11

Tgt Ion: 83 Resp: 152425
 Ion Ratio Lower Upper
 83 100
 55 93.5 60.4 90.6#
 98 43.0 36.5 54.7





#40

Benzene

Concen: 3.605 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008402.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_X

ClientSampled :

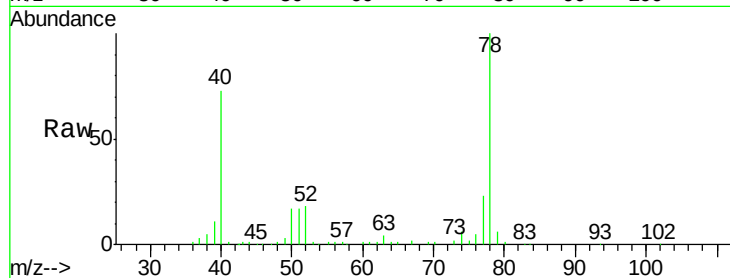
MW-4

Tot Ion: 78 Resp: 43437

Ion Ratio Lower Upper

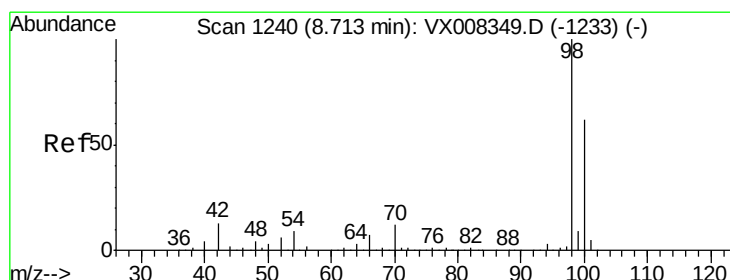
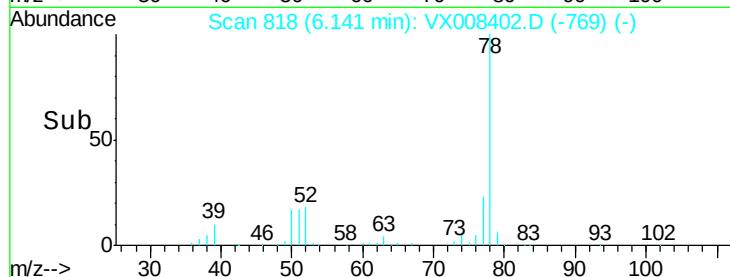
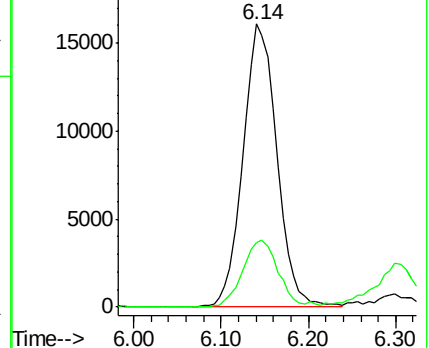
78 100

77 22.8 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 49.849 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008402.D

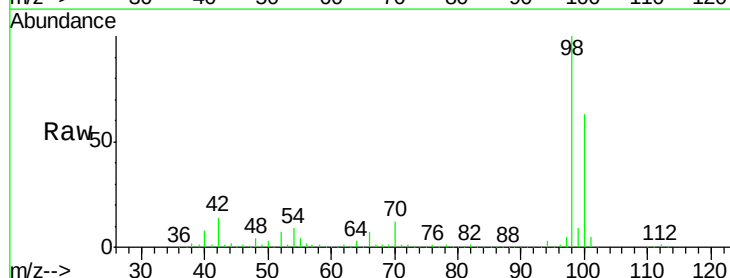
Acq: 24 Mar 2019 19:11

Tgt Ion: 98 Resp: 494631

Ion Ratio Lower Upper

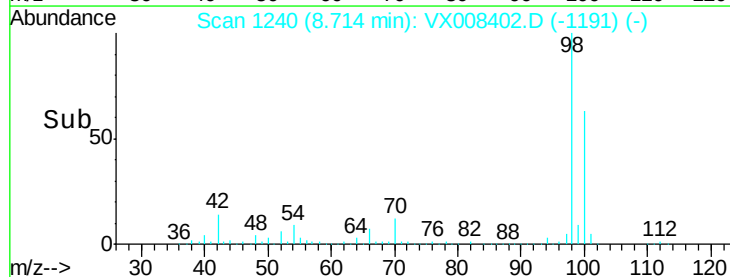
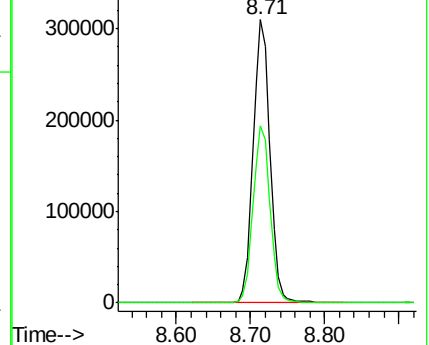
98 100

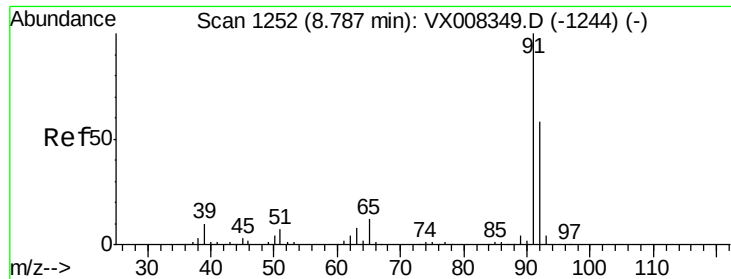
100 63.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 9.454 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008402.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

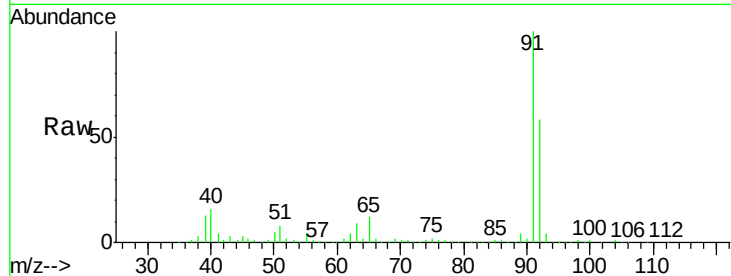
MW-4

Tot Ion: 92 Resp: 66796

Ion Ratio Lower Upper

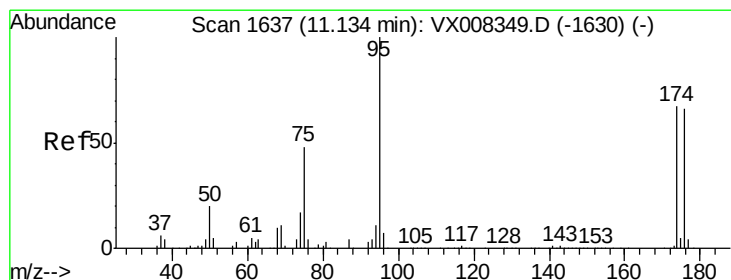
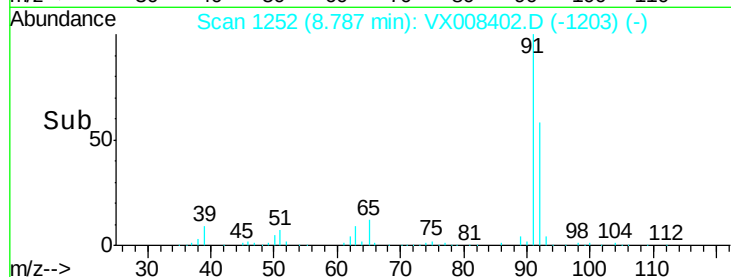
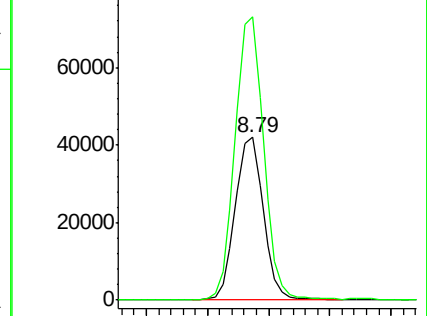
92 100

91 175.9 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 48.828 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008402.D

Acq: 24 Mar 2019 19:11

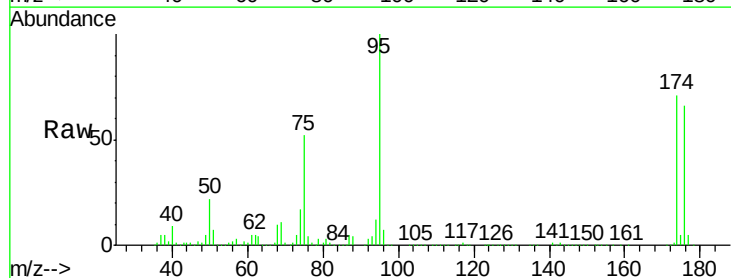
Tgt Ion: 95 Resp: 177889

Ion Ratio Lower Upper

95 100

174 71.4 0.0 182.8

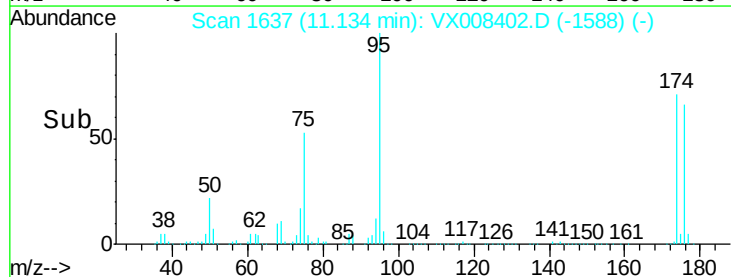
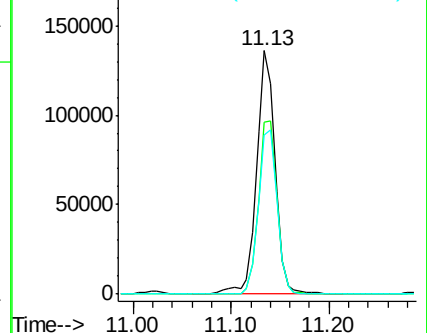
176 68.2 0.0 178.0

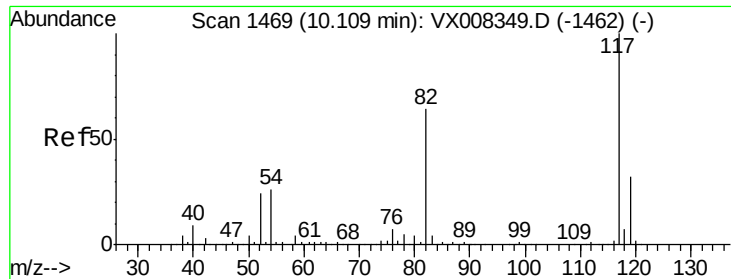


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

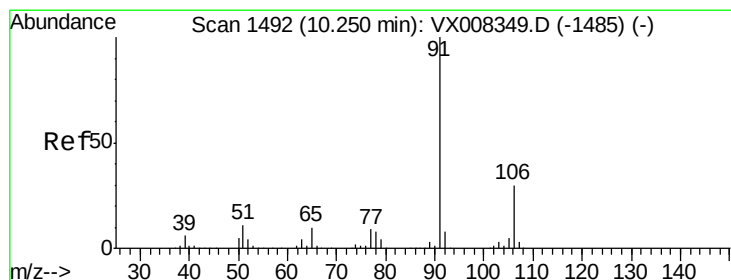
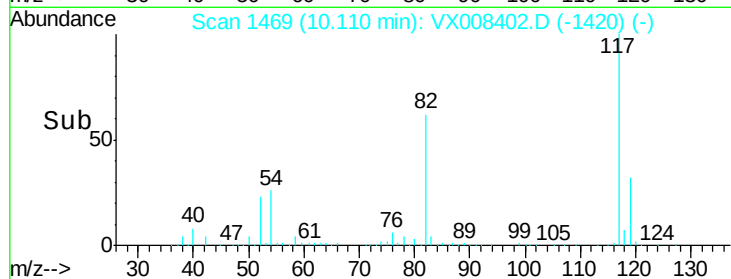
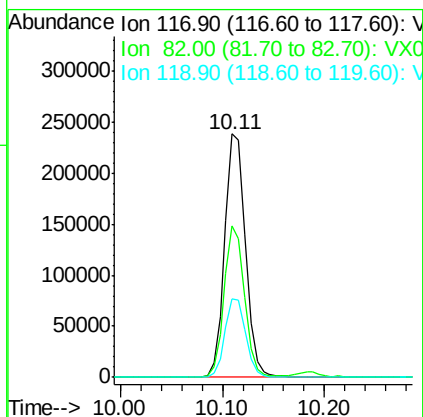
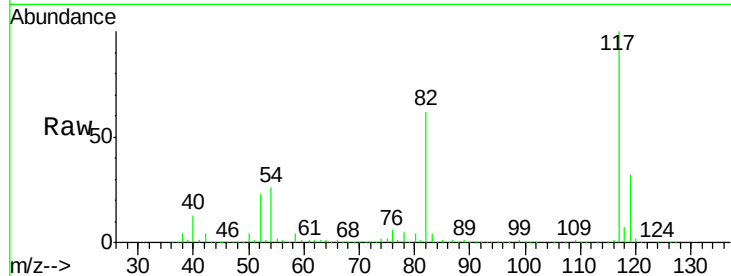




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008402.D
Acq: 24 Mar 2019 19:11

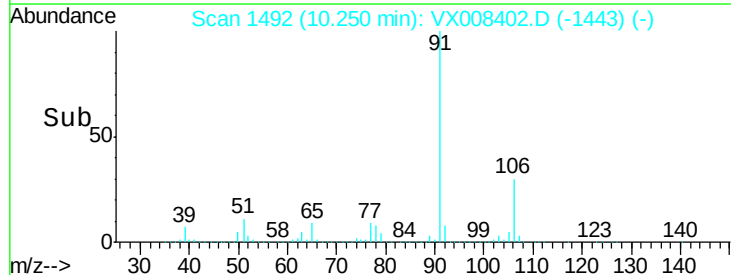
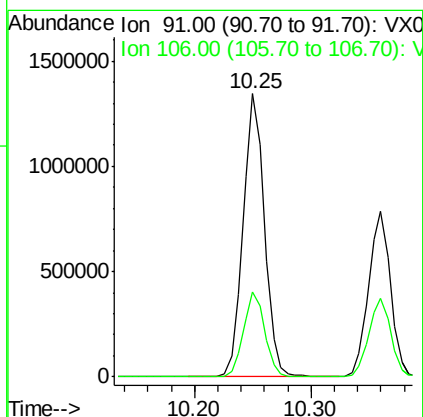
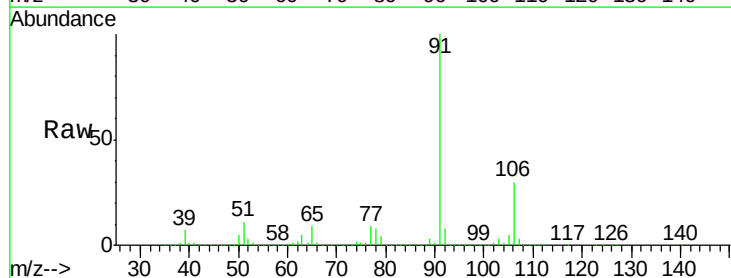
Instrument :
MSVOA_X
ClientSampled :
MW-4

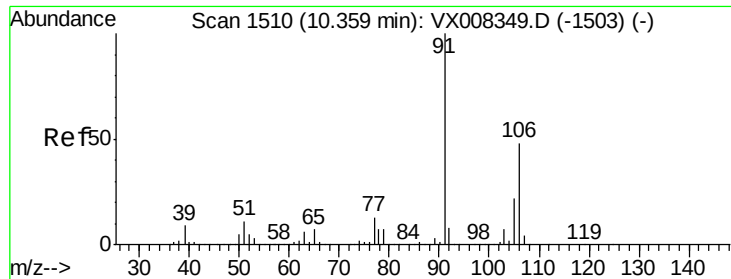
Tot Ion:117 Resp: 337433
Ion Ratio Lower Upper
117 100
82 62.1 44.3 66.5
119 32.5 25.3 37.9



#67
Ethyl Benzene
Concen: 130.389 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008402.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 91 Resp: 1727782
Ion Ratio Lower Upper
91 100
106 30.0 25.2 37.8

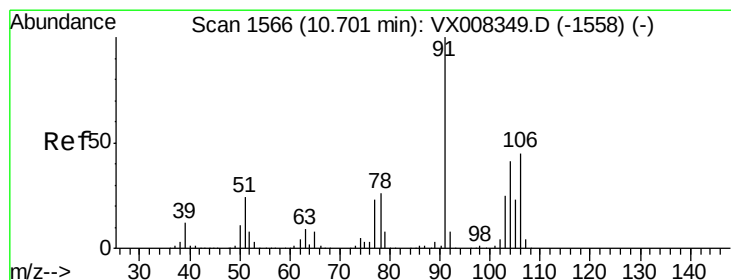
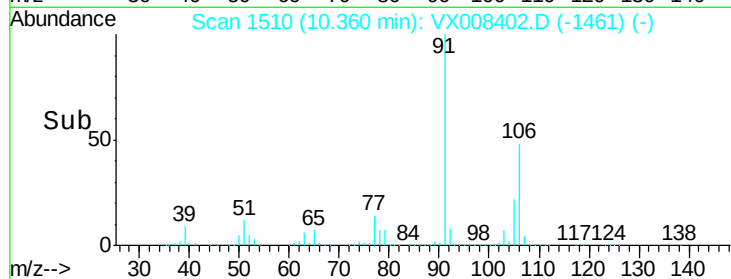
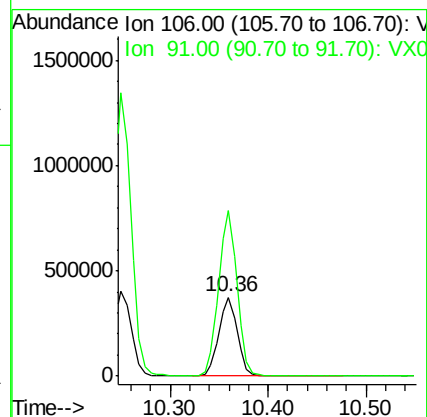
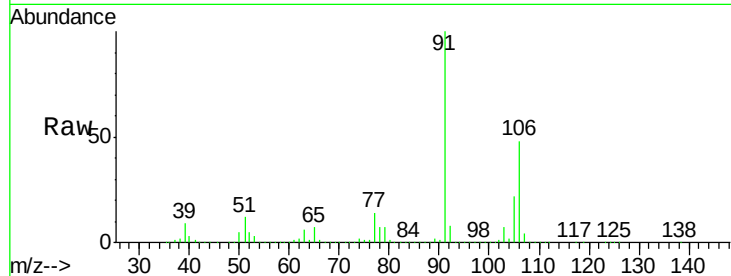




#68
m/p-Xylenes
Concen: 102.919 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008402.D
Acq: 24 Mar 2019 19:11

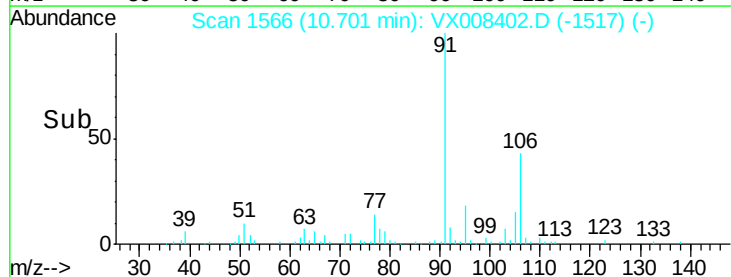
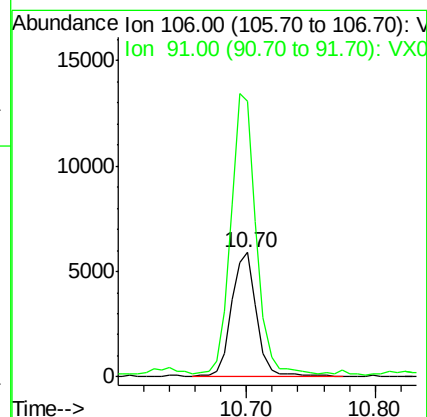
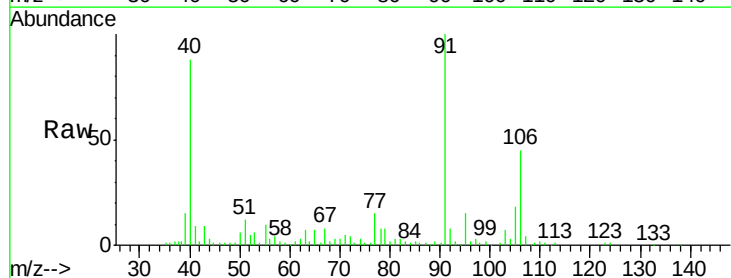
Instrument :
MSVOA_X
ClientSampleId :
MW-4

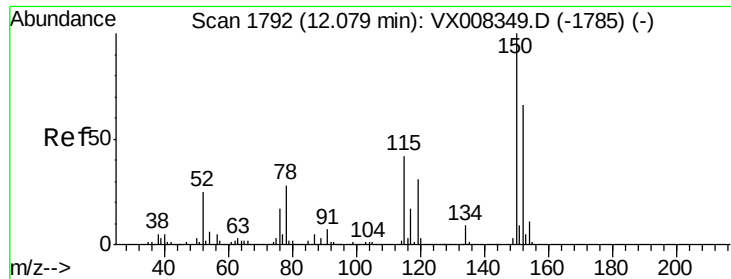
Tot Ion:106 Resp: 490005
Ion Ratio Lower Upper
106 100
91 211.2 159.8 239.6



#69
o-Xylene
Concen: 1.742 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008402.D
Acq: 24 Mar 2019 19:11

Tgt Ion:106 Resp: 8108
Ion Ratio Lower Upper
106 100
91 222.7 106.3 318.9

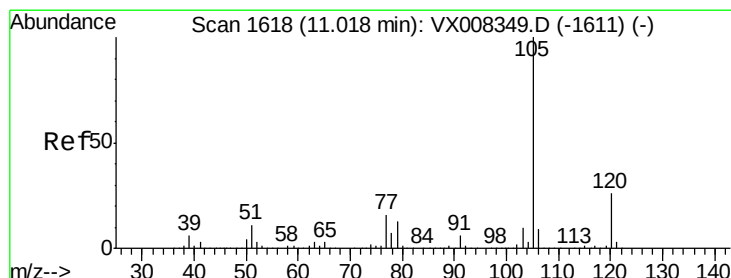
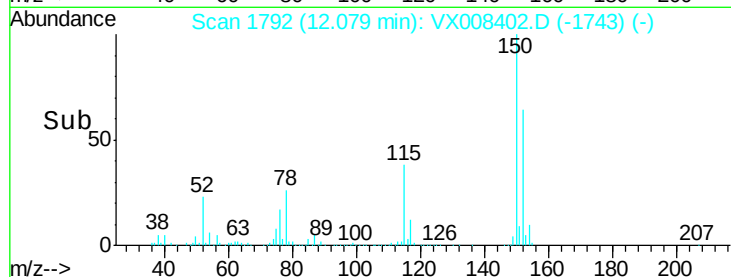
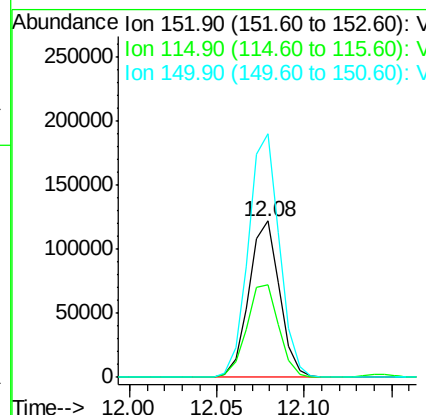
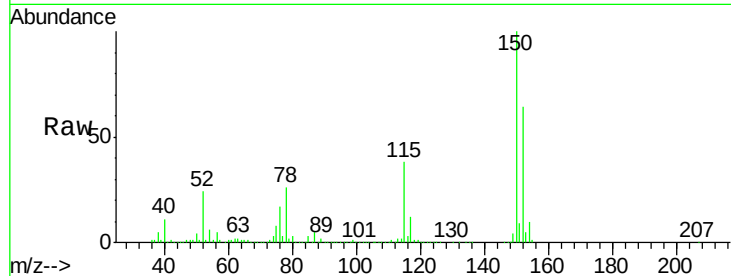




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX008402.D
 Acq: 24 Mar 2019 19:11

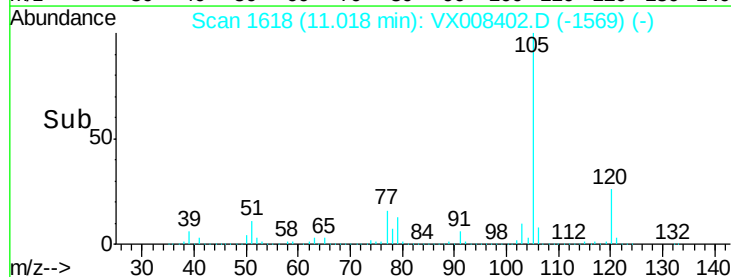
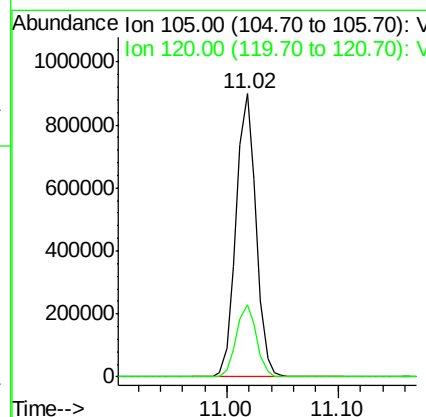
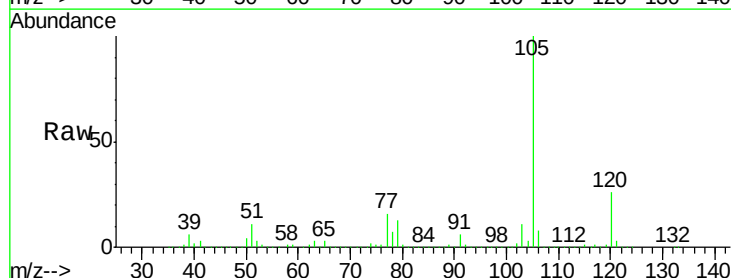
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

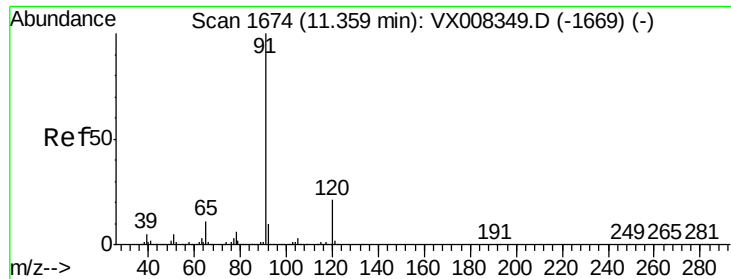
Tot Ion:152 Resp: 148766
 Ion Ratio Lower Upper
 152 100
 115 61.5 38.6 115.7
 150 157.1 0.0 348.4



#73
 Isopropylbenzene
 Concen: 95.003 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: VX008402.D
 Acq: 24 Mar 2019 19:11

Tgt Ion:105 Resp: 1115357
 Ion Ratio Lower Upper
 105 100
 120 25.7 13.4 40.1





#78

n-propylbenzene

Concen: 93.069 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008402.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_X

ClientSampled :

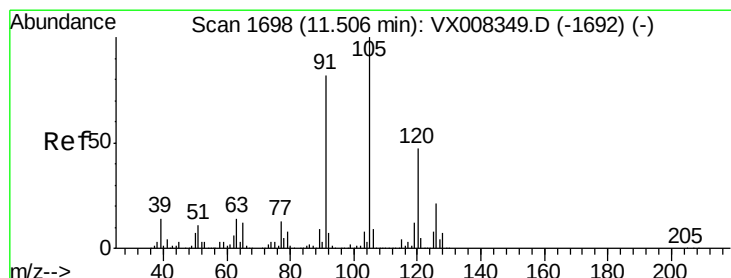
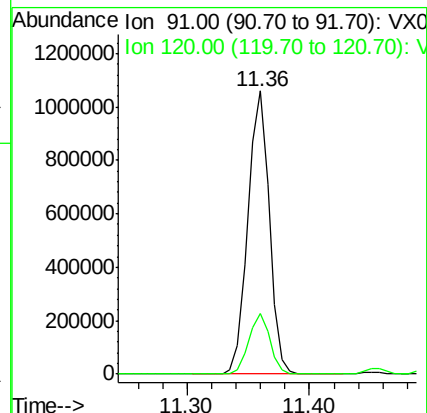
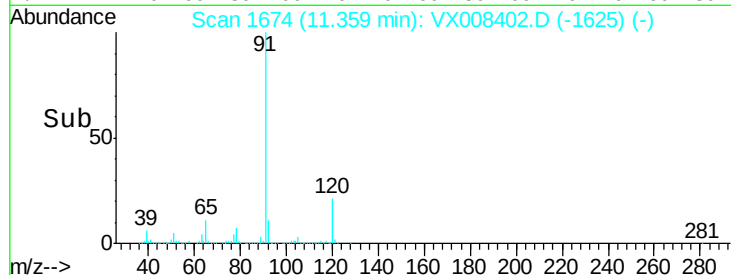
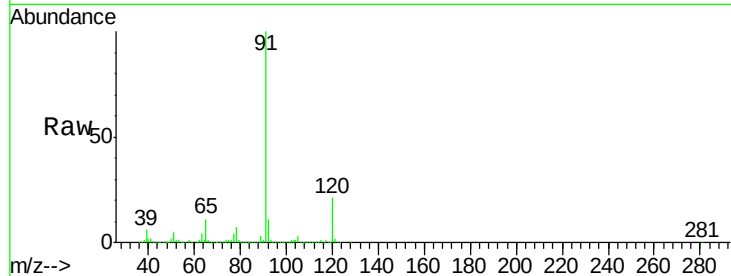
MW-4

Tot Ion: 91 Resp: 1280654

Ion Ratio Lower Upper

91 100

120 21.1 12.0 36.0



#80

1,3,5-Trimethylbenzene

Concen: 36.323 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008402.D

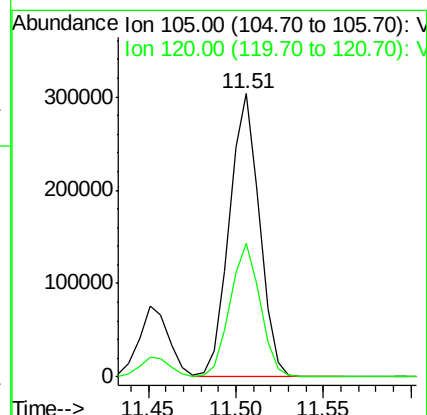
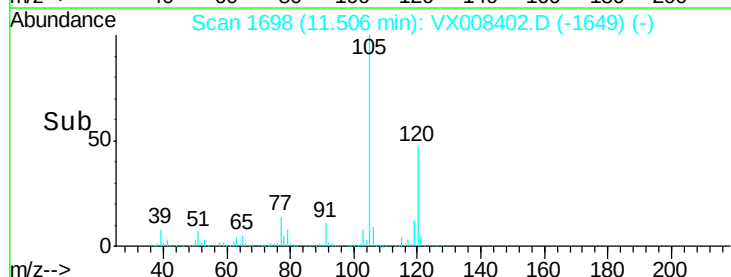
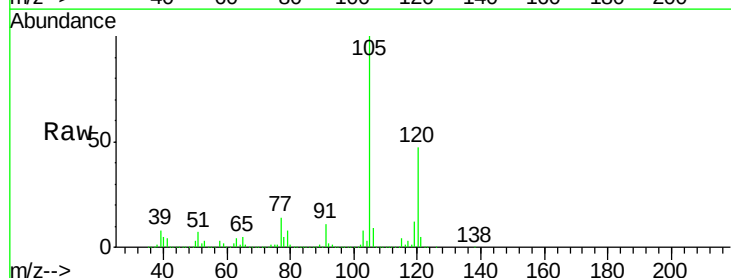
Acq: 24 Mar 2019 19:11

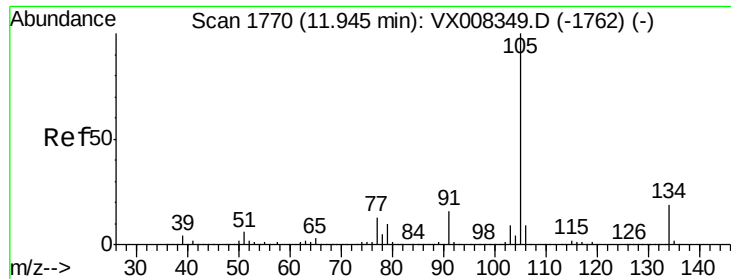
Tgt Ion:105 Resp: 362765

Ion Ratio Lower Upper

105 100

120 46.9 24.9 74.6





#85

sec-Butylbenzene

Concen: 5.523 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008402.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_X

ClientSampled :

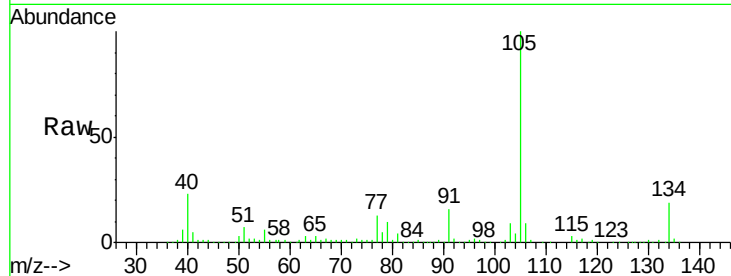
MW-4

Tot Ion:105 Resp: 62953

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

60000

50000

40000

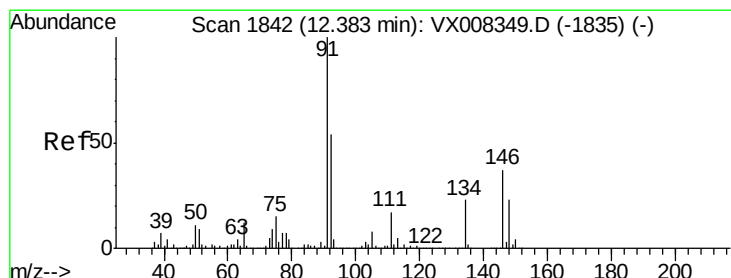
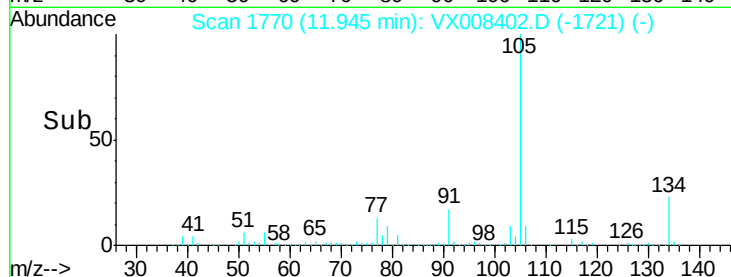
30000

20000

10000

0

Time-->



#89

n-Butylbenzene

Concen: 7.532 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008402.D

Acq: 24 Mar 2019 19:11

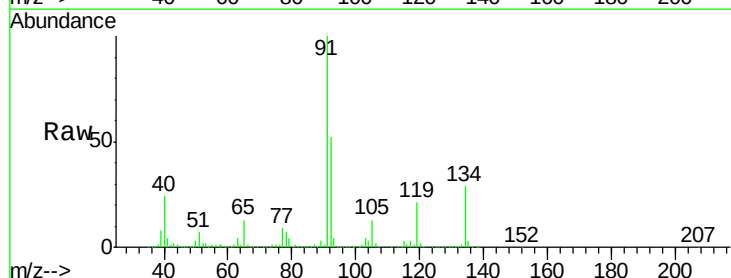
Tgt Ion: 91 Resp: 72238

Ion Ratio Lower Upper

91 100

92 43.0 27.0 80.8

134 50.5 13.7 41.0#



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

200000

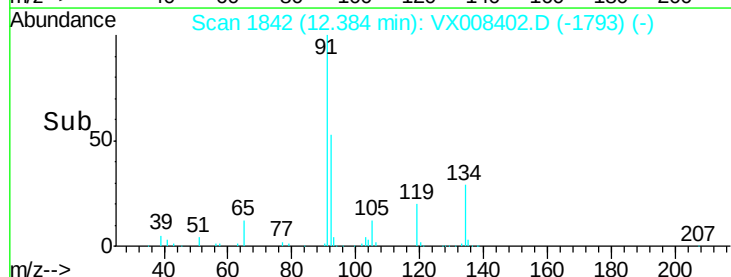
150000

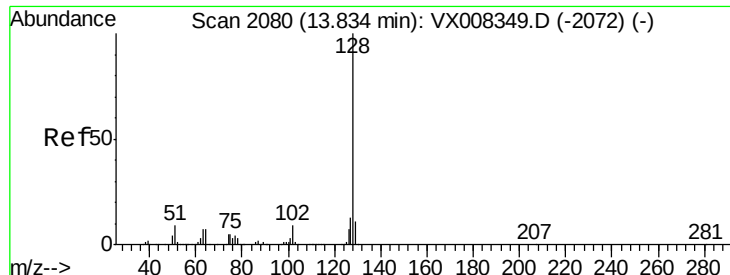
100000

50000

0

Time-->





#95

Naphthalene

Concen: 15.965 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008402.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_X

ClientSampleId :

MW-4

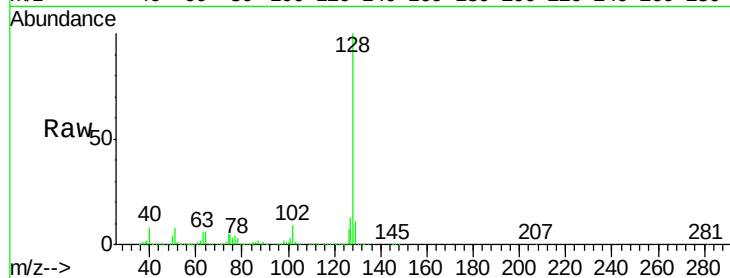
Tot Ion:128 Resp: 191037

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.3 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

