

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072619\
 Data File : VX011086.D
 Acq On : 26 Jul 2019 13:28
 Operator : JC/SP
 Sample : K4014-03 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Jul 29 05:54:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	206380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	327990	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155272	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	111187	50.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.28%	
35) Dibromofluoromethane	5.49	113	100816	48.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.86%	
50) Toluene-d8	8.71	98	401453	51.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.13	95	146167	50.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.86%	

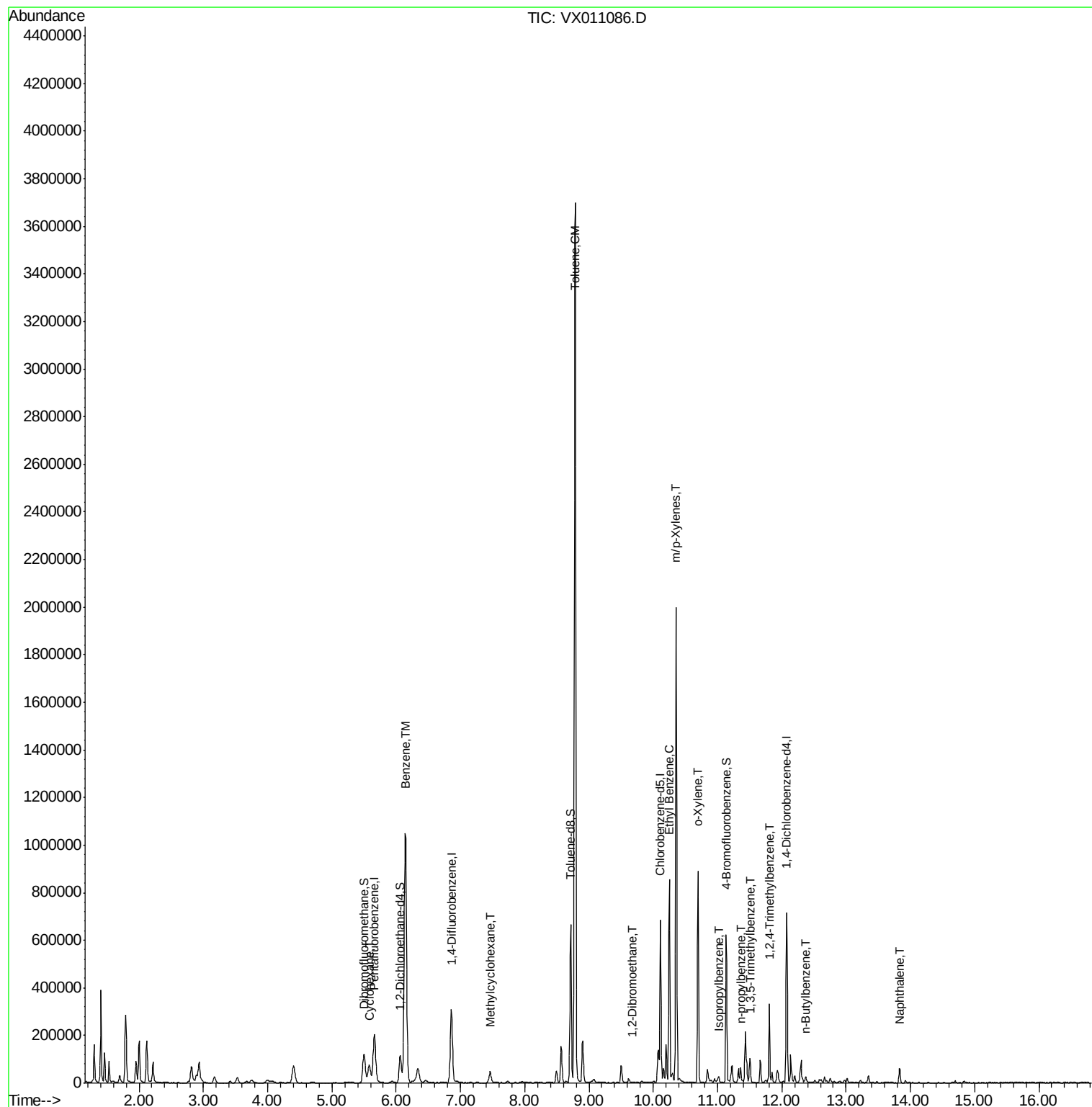
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	52034	17.455	ug/l	99
39) Methylcyclohexane	7.46	83	21347	6.110	ug/l	95
40) Benzene	6.14	78	1286102	155.840	ug/l	99
52) Toluene	8.79	92	1402885	258.766	ug/l	100
61) 1,2-Dibromoethane	9.67	107	1413	0.596	ug/l	93
67) Ethyl Benzene	10.25	91	466849	42.935	ug/l	100
68) m/p-Xylenes	10.35	106	476506	114.245	ug/l	99
69) o-Xylene	10.69	106	191425	47.026	ug/l	100
73) Isopropylbenzene	11.02	105	12456	1.187	ug/l	99
78) n-propylbenzene	11.36	91	31890	2.751	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	40943	4.670	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	141743	16.041	ug/l	100
89) n-Butylbenzene	12.38	91	3409	0.427	ug/l #	26
95) Naphthalene	13.83	128	37610	3.776	ug/l	99

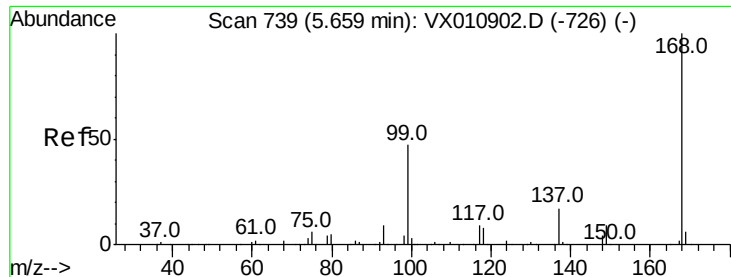
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011086.D

Acq: 26 Jul 2019 13:28

Instrument :

MSVOA_X

ClientSampled :

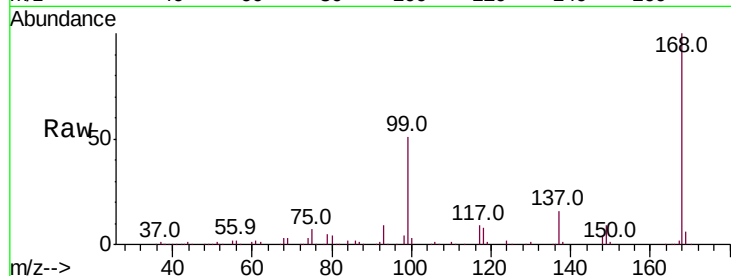
MW-3

Tot Ion:168 Resp: 206380

Ion Ratio Lower Upper

168 100

99 50.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

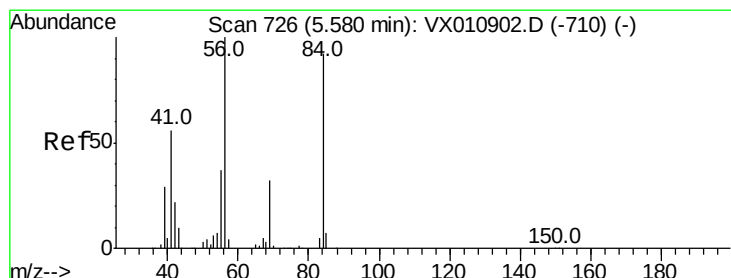
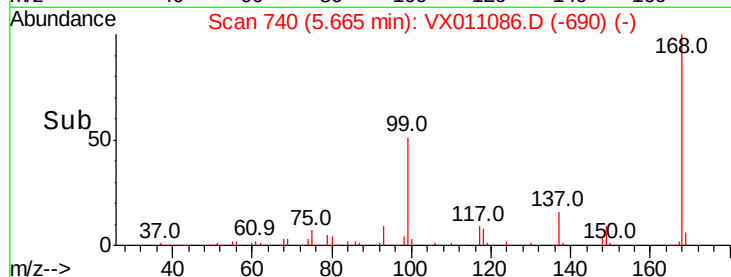
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#31

Cyclohexane

Concen: 17.455 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX011086.D

Acq: 26 Jul 2019 13:28

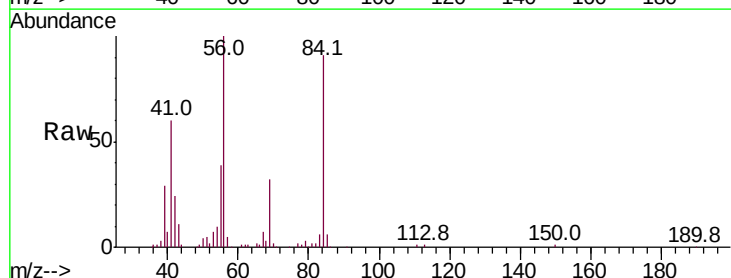
Tgt Ion: 56 Resp: 52034

Ion Ratio Lower Upper

56 100

69 30.8 25.8 38.8

84 91.4 73.8 110.6



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

20000

15000

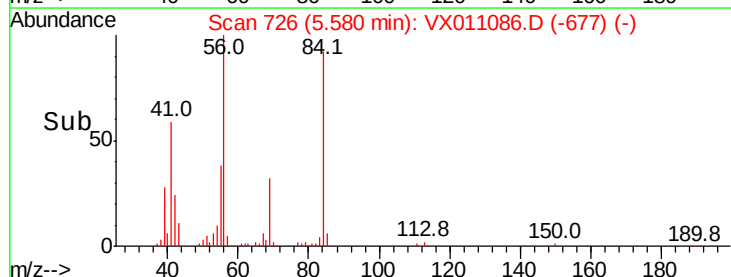
10000

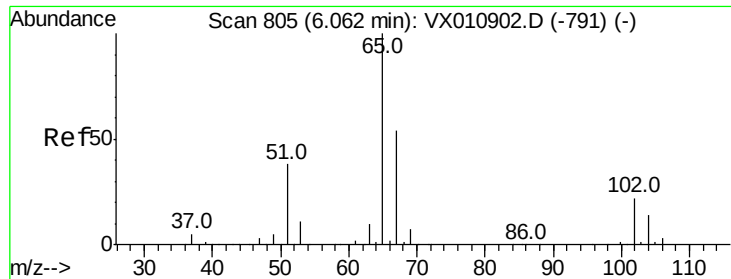
5000

0

5.50 5.60 5.70 5.80

Time-->

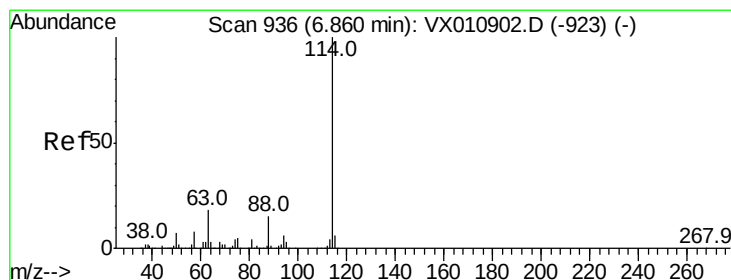
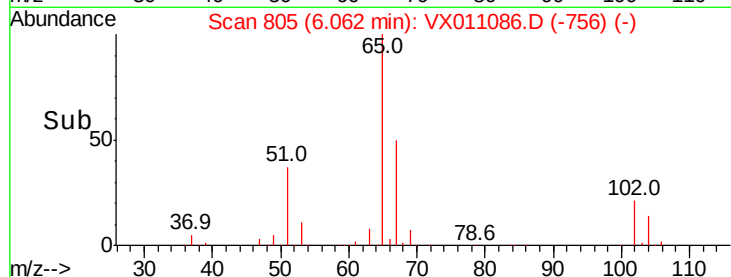
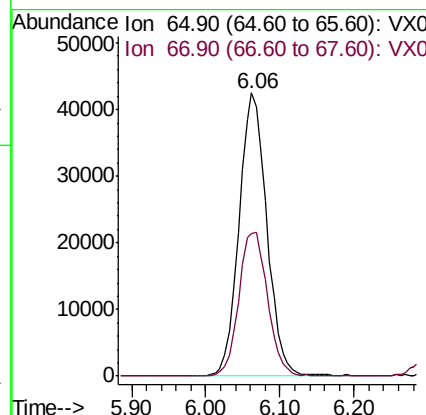
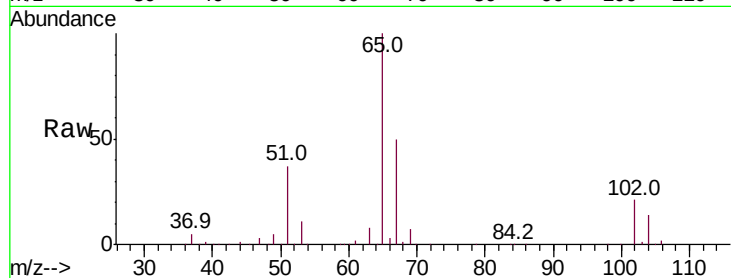




#33
 1,2-Dichloroethane-d4
 Concen: 50.642 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX011086.D
 Acq: 26 Jul 2019 13:28

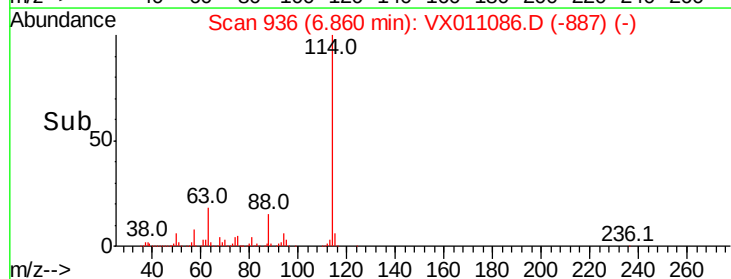
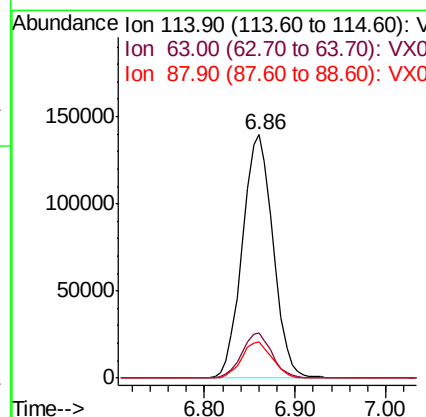
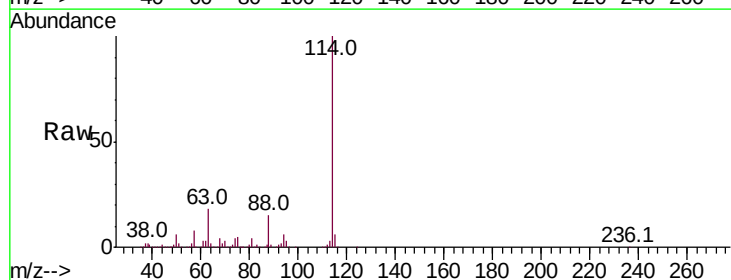
Instrument :
 MSVOA_X
 ClientSampleID :
 MW-3

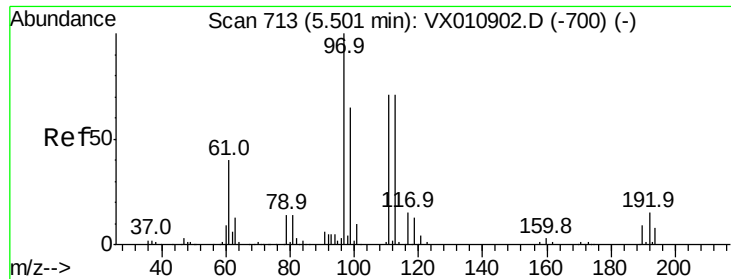
Tot Ion: 65 Resp: 111187
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX011086.D
 Acq: 26 Jul 2019 13:28

Tgt Ion: 114 Resp: 327990
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.6
 88 14.7 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.427 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011086.D

Acq: 26 Jul 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

MW-3

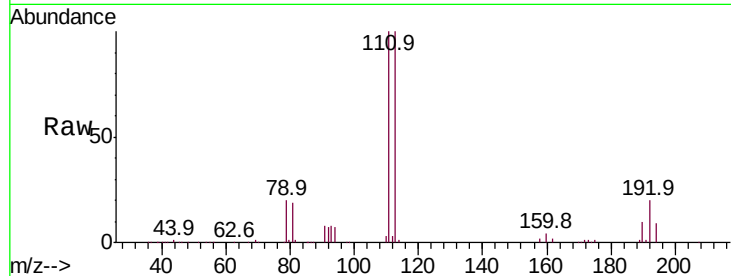
Tot Ion:113 Resp: 100816

Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

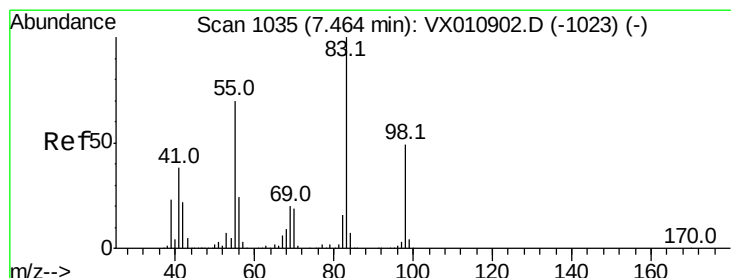
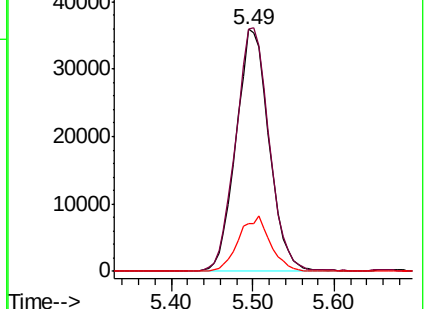
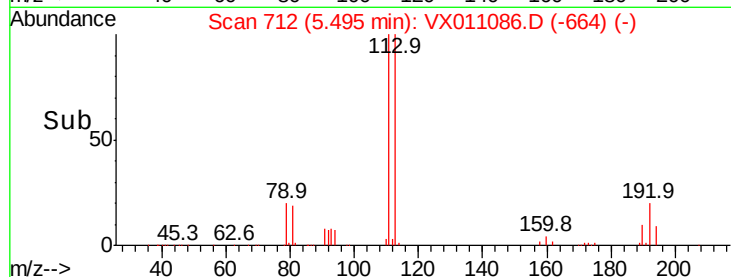
192 21.9 17.4 26.2



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

Methylcyclohexane

Concen: 6.110 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX011086.D

Acq: 26 Jul 2019 13:28

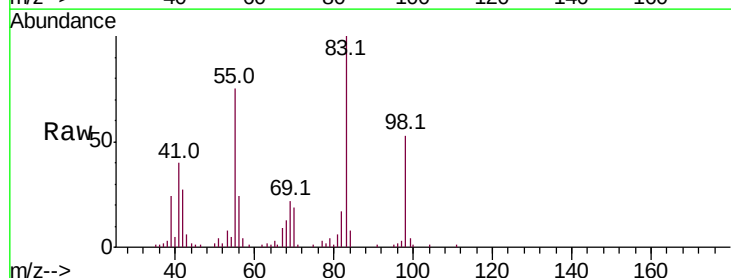
Tgt Ion: 83 Resp: 21347

Ion Ratio Lower Upper

83 100

55 74.4 56.2 84.4

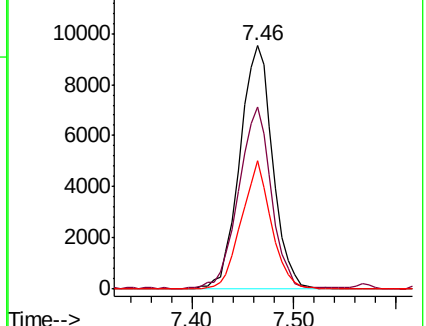
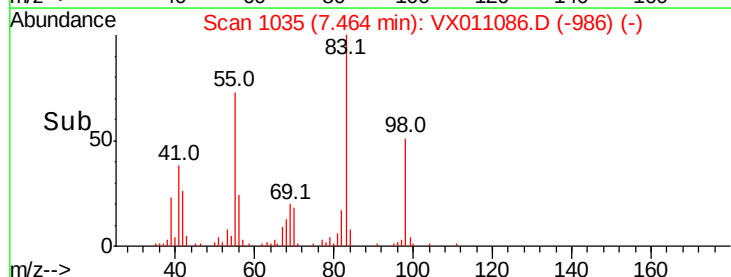
98 52.8 39.0 58.4

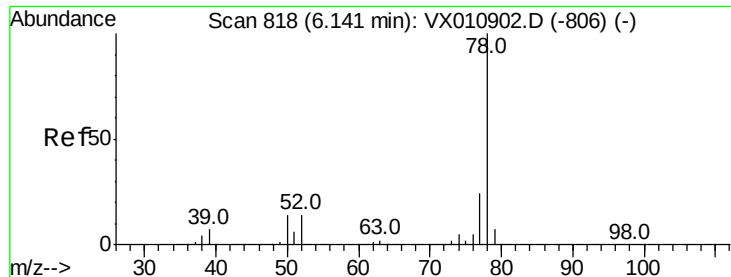


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 155.840 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX011086.D

Acq: 26 Jul 2019 13:28

Instrument :

MSVOA_X

ClientSampled :

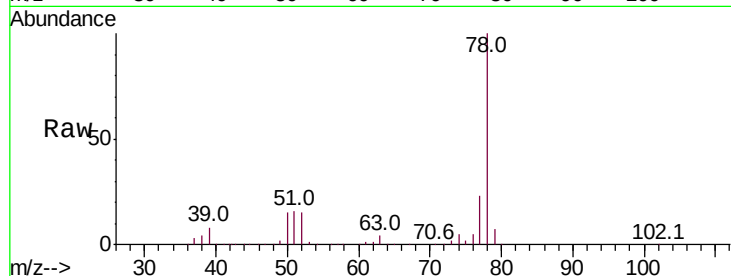
MW-3

Tot Ion: 78 Resp: 1286102

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

500000

400000

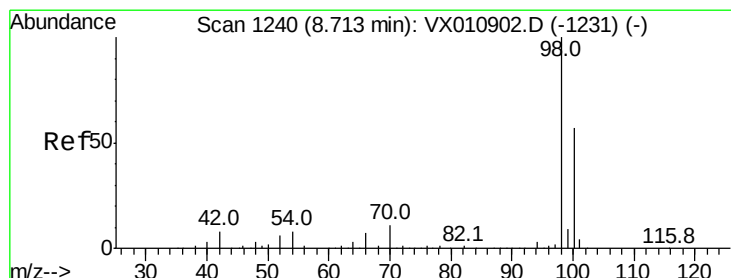
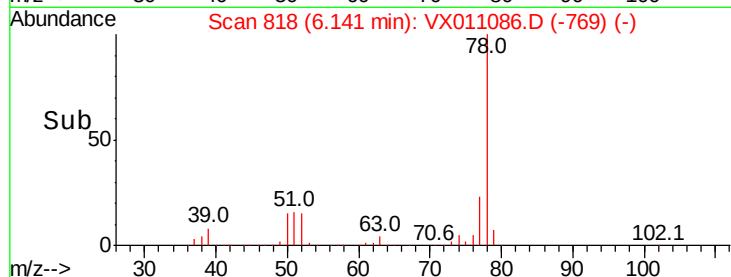
300000

200000

100000

0

Time-->



#50

Toluene-d8

Concen: 51.415 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011086.D

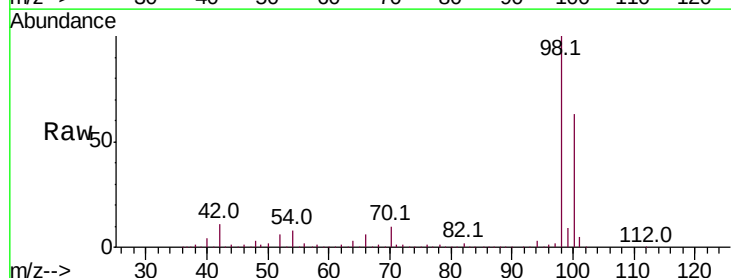
Acq: 26 Jul 2019 13:28

Tgt Ion: 98 Resp: 401453

Ion Ratio Lower Upper

98 100

100 63.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

300000

250000

200000

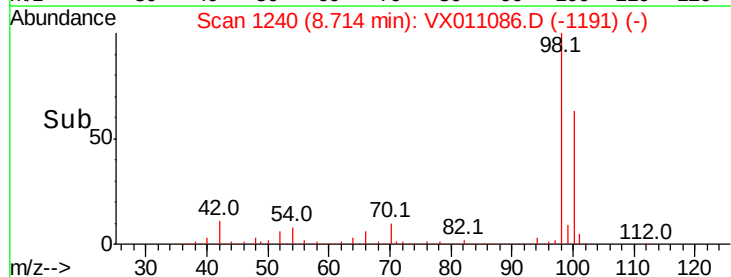
150000

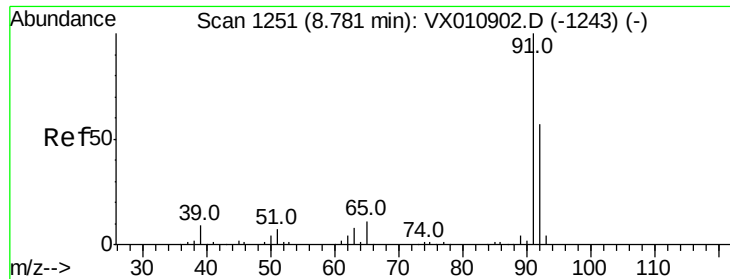
100000

50000

0

Time-->





#52

Toluene

Concen: 258.766 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX011086.D

Acq: 26 Jul 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

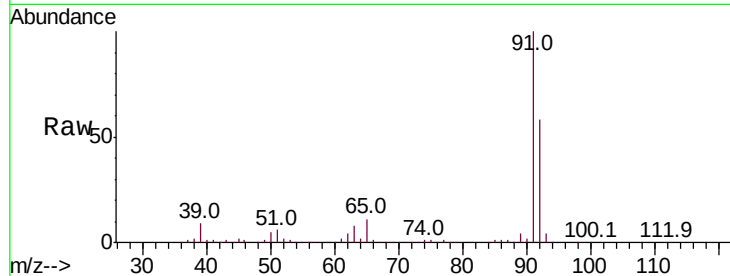
MW-3

Tot Ion: 92 Resp: 1402885

Ion Ratio Lower Upper

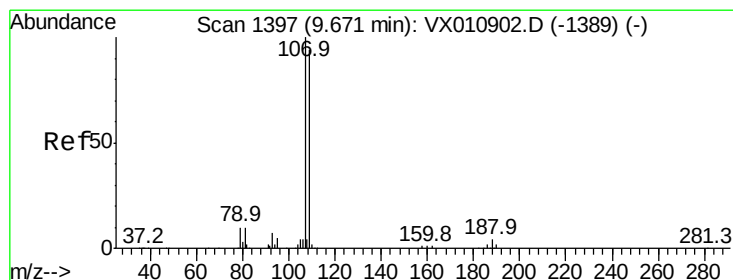
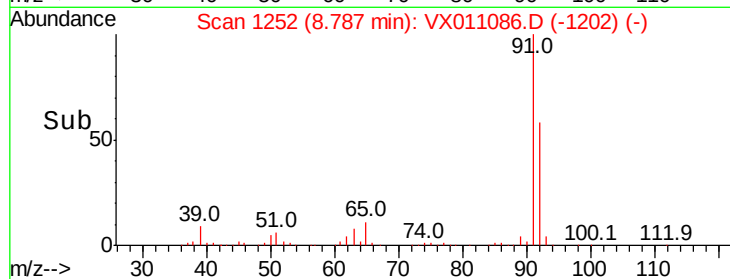
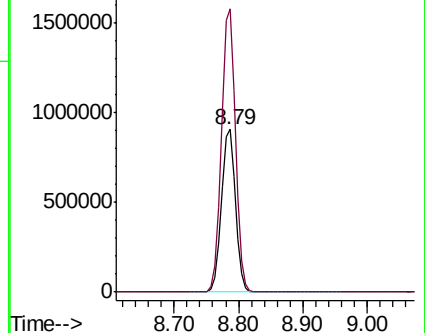
92 100

91 173.9 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX011086.D (-1252) (-)

Ion 91.00 (90.70 to 91.70): VX011086.D (-1252) (-)



#61

1,2-Dibromoethane

Concen: 0.596 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011086.D

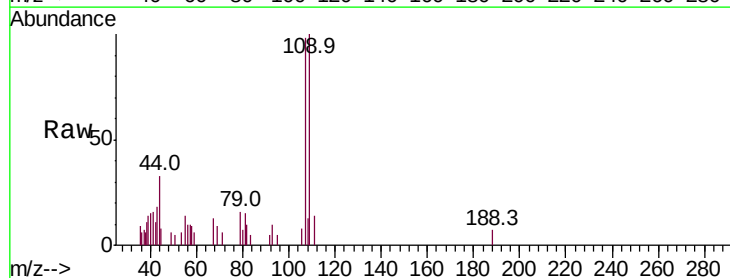
Acq: 26 Jul 2019 13:28

Tgt Ion: 107 Resp: 1413

Ion Ratio Lower Upper

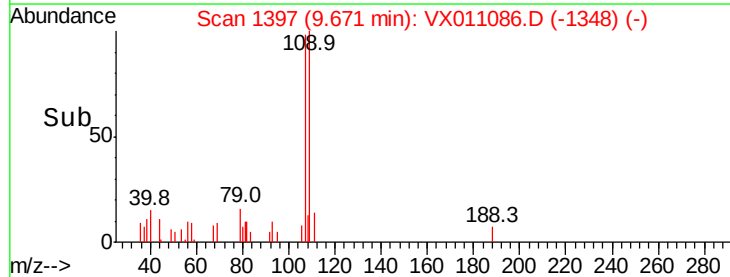
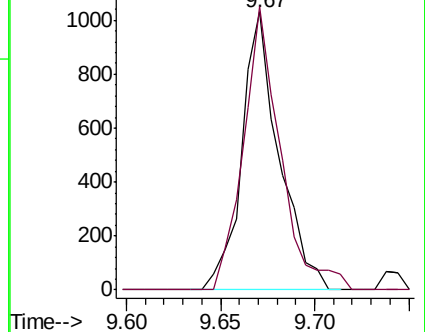
107 100

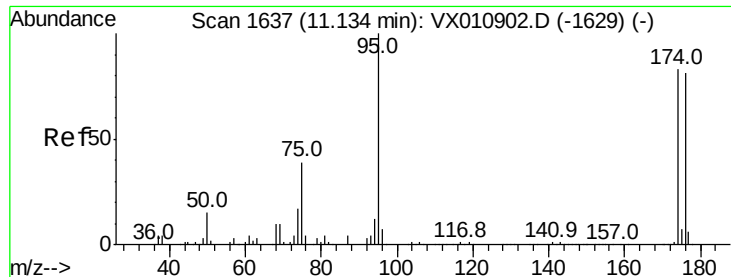
109 101.3 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): VX011086.D (-1397) (-)

Ion 108.80 (108.50 to 109.50): VX011086.D (-1397) (-)





#62

4-Bromofluorobenzene

Concen: 50.929 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011086.D

Acq: 26 Jul 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

MW-3

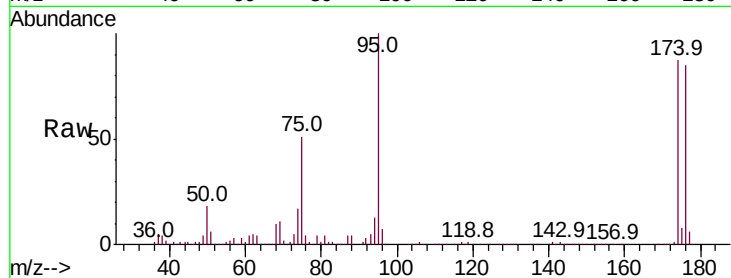
Tot Ion: 95 Resp: 146167

Ion Ratio Lower Upper

95 100

174 91.7 0.0 180.6

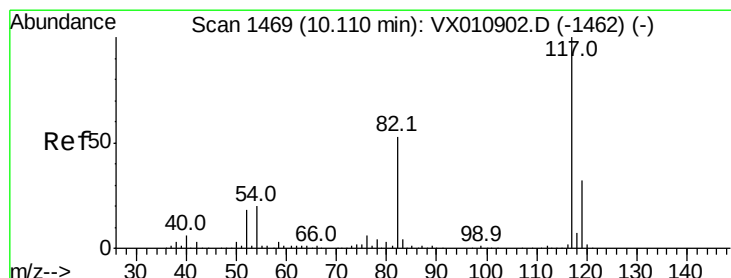
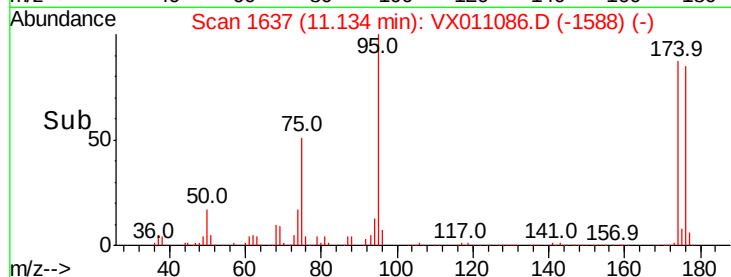
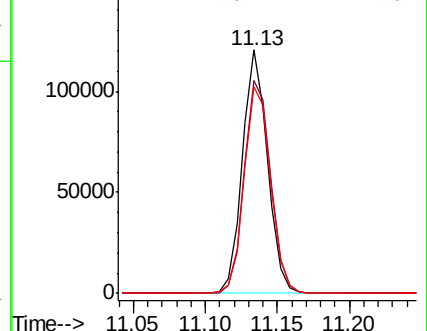
176 89.0 0.0 173.8



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: VX011086.D

Acq: 26 Jul 2019 13:28

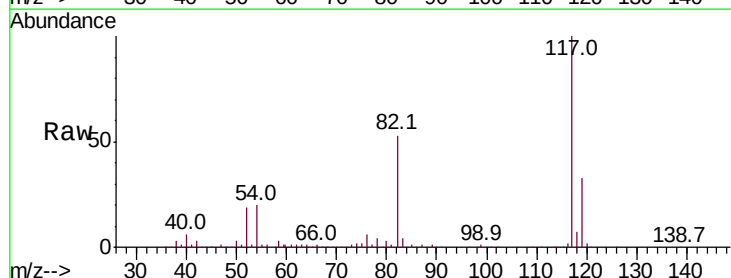
Tgt Ion: 117 Resp: 311021

Ion Ratio Lower Upper

117 100

82 52.4 42.6 63.8

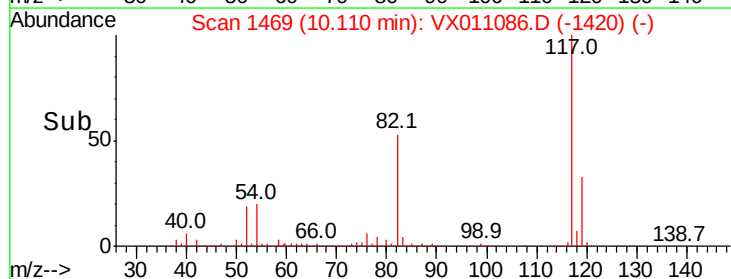
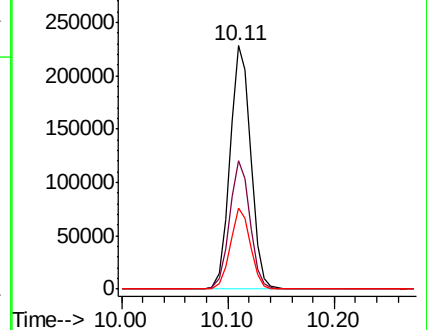
119 33.1 25.9 38.9

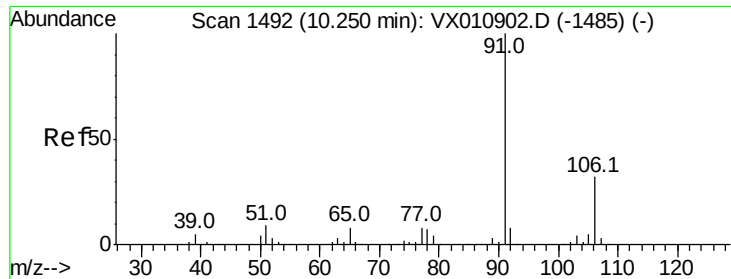


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

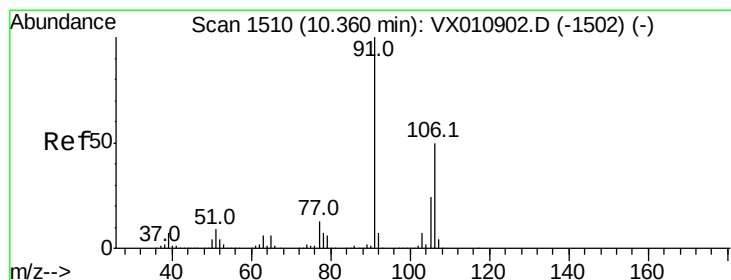
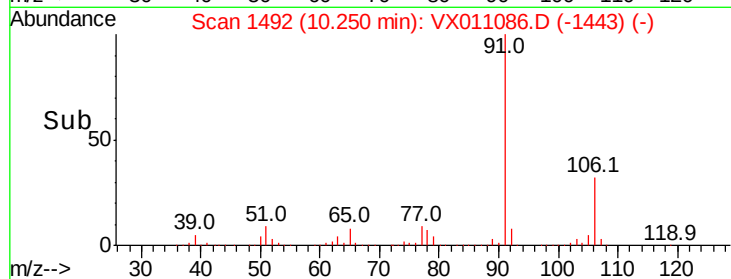
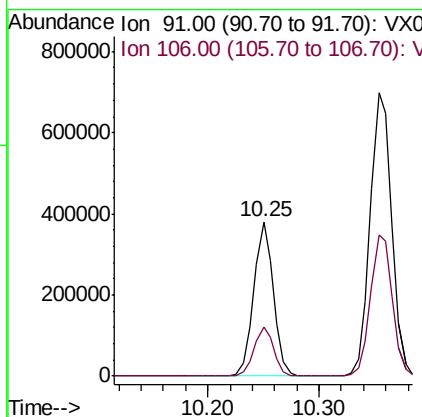
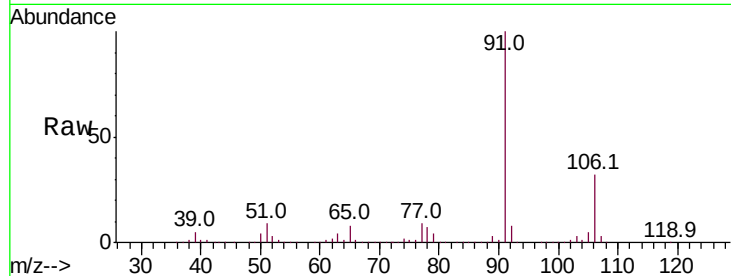




#67
Ethyl Benzene
Concen: 42.935 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011086.D
Acq: 26 Jul 2019 13:28

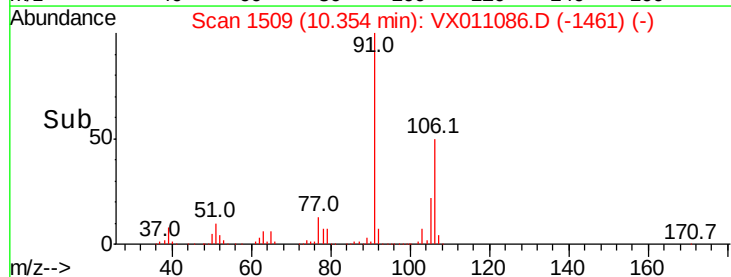
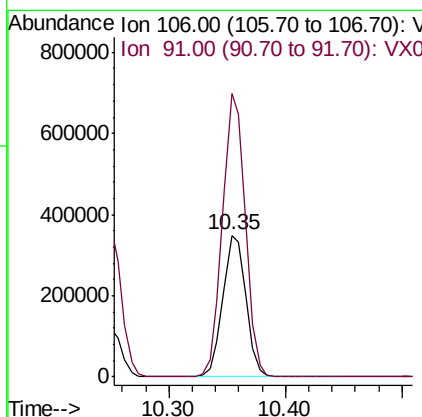
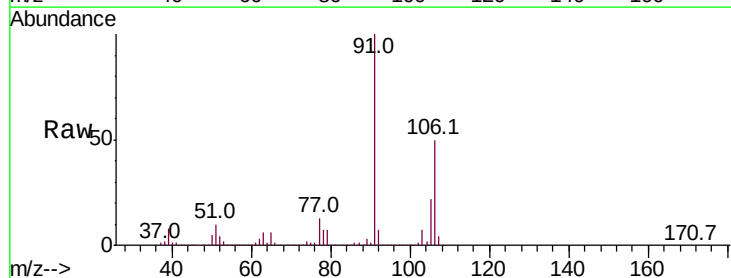
Instrument :
MSVOA_X
ClientSampleId :
MW-3

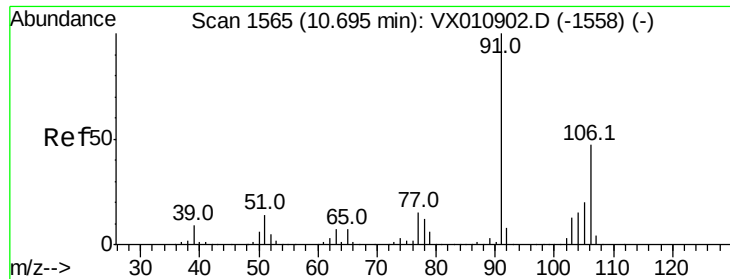
Tot Ion: 91 Resp: 466849
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2



#68
m/p-Xylenes
Concen: 114.245 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011086.D
Acq: 26 Jul 2019 13:28

Tgt Ion: 106 Resp: 476506
Ion Ratio Lower Upper
106 100
91 198.2 160.1 240.1

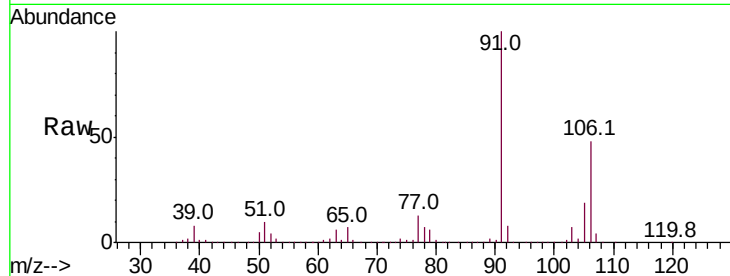




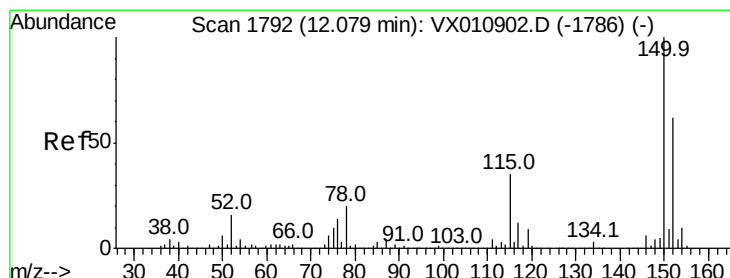
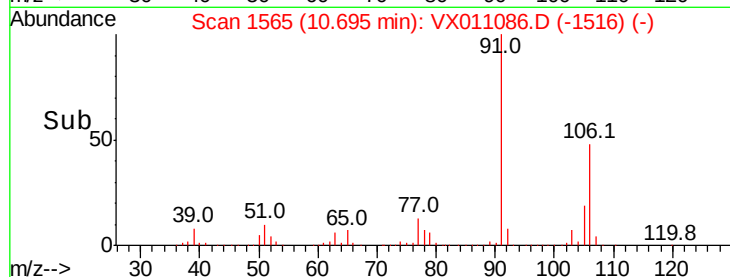
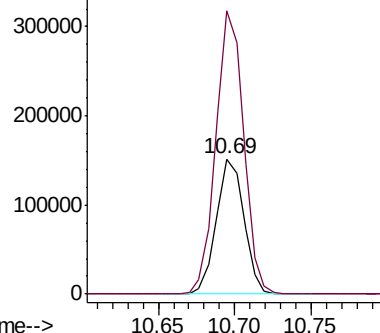
#69
o-Xylene
Concen: 47.026 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011086.D
Acq: 26 Jul 2019 13:28

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion:106 Resp: 191425
Ion Ratio Lower Upper
106 100
91 209.9 105.1 315.3

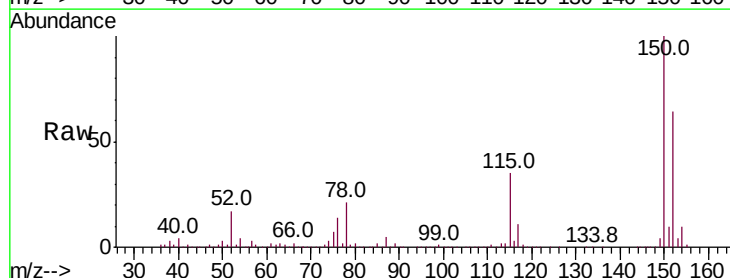


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

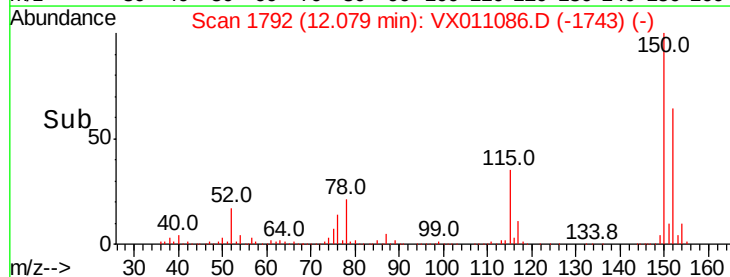
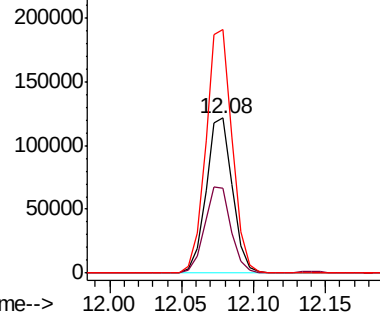


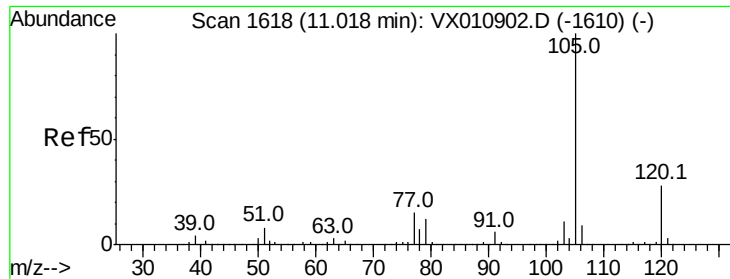
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011086.D
Acq: 26 Jul 2019 13:28

Tgt Ion:152 Resp: 155272
Ion Ratio Lower Upper
152 100
115 55.4 39.7 119.1
150 157.3 0.0 345.6



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

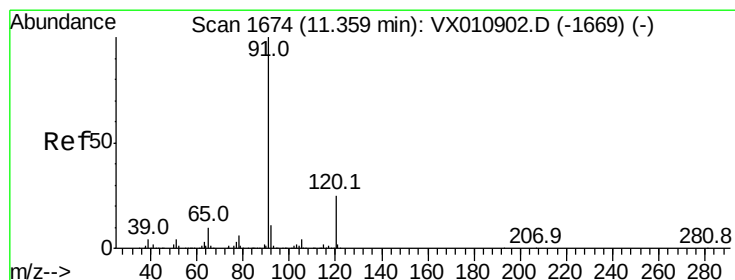
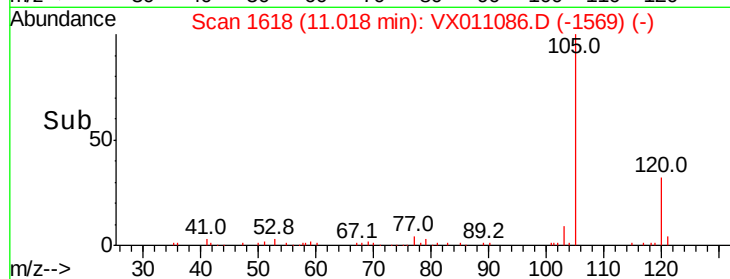
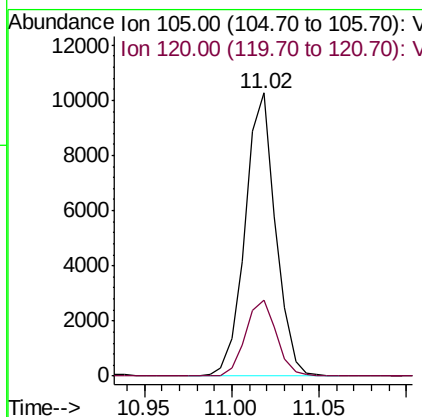
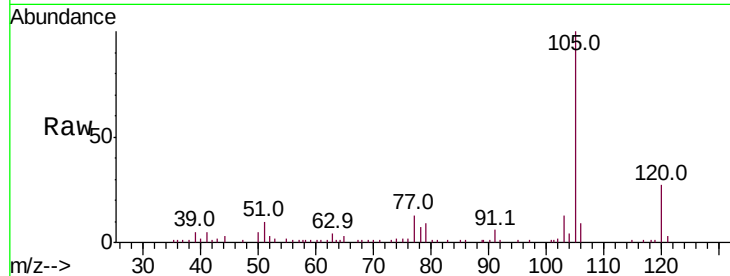




#73
Isopropylbenzene
Concen: 1.187 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011086.D
Acq: 26 Jul 2019 13:28

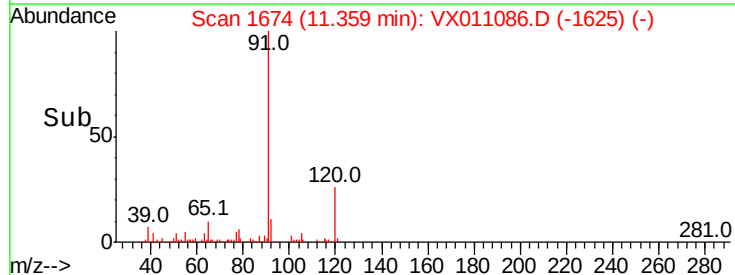
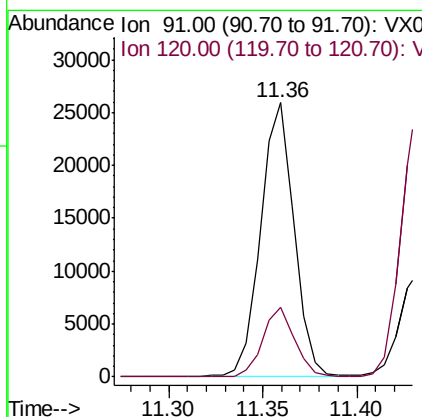
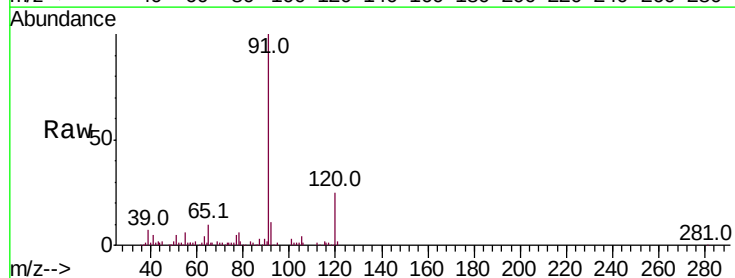
Instrument :
MSVOA_X
ClientSampleId :
MW-3

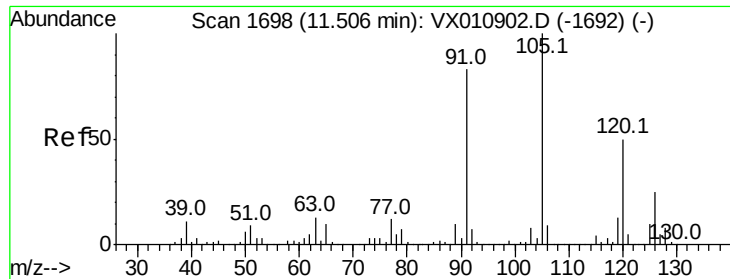
Tot Ion:105 Resp: 12456
Ion Ratio Lower Upper
105 100
120 27.1 13.7 41.1



#78
n-propylbenzene
Concen: 2.751 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011086.D
Acq: 26 Jul 2019 13:28

Tgt Ion: 91 Resp: 31890
Ion Ratio Lower Upper
91 100
120 24.6 12.3 36.8

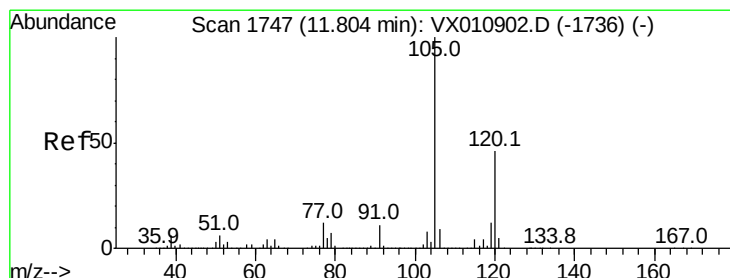
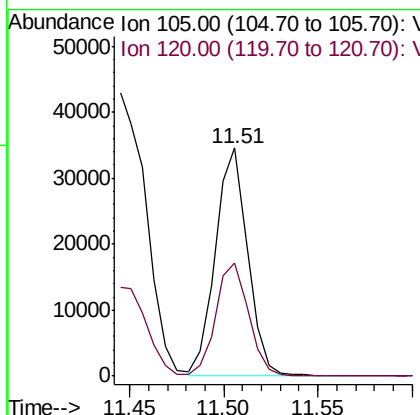
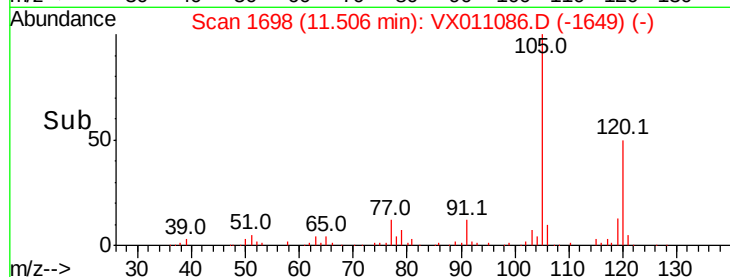
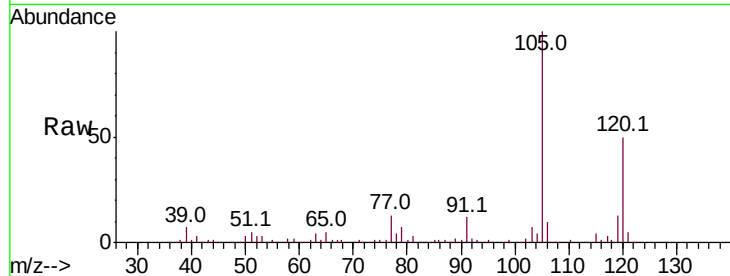




#80
 1,3,5-Trimethylbenzene
 Concen: 4.670 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011086.D
 Acq: 26 Jul 2019 13:28

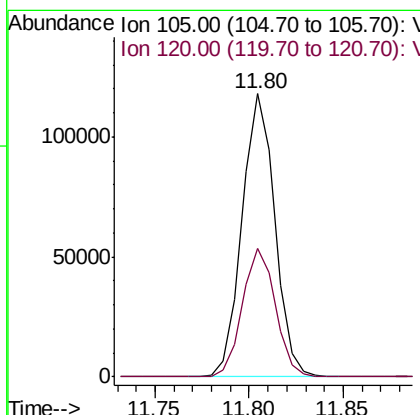
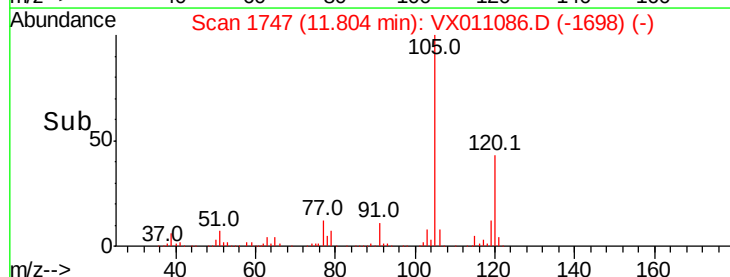
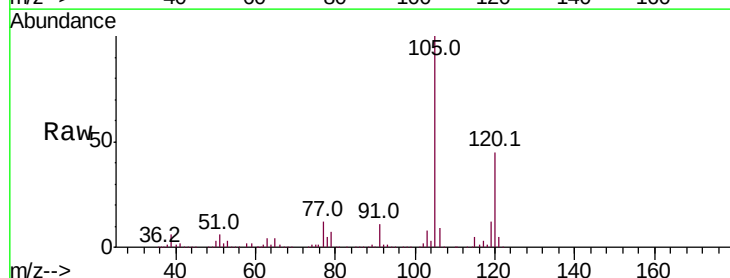
Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

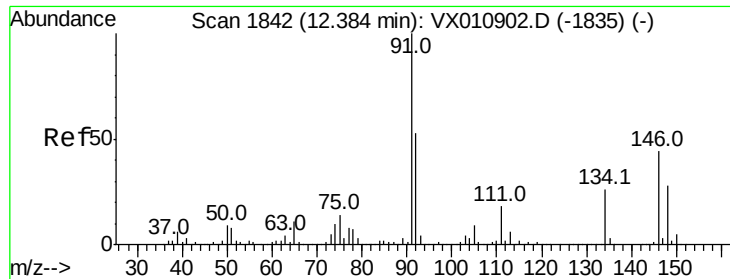
Tot Ion:105 Resp: 40943
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.6 73.8



#84
 1,2,4-Trimethylbenzene
 Concen: 16.041 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011086.D
 Acq: 26 Jul 2019 13:28

Tgt Ion:105 Resp: 141743
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.5

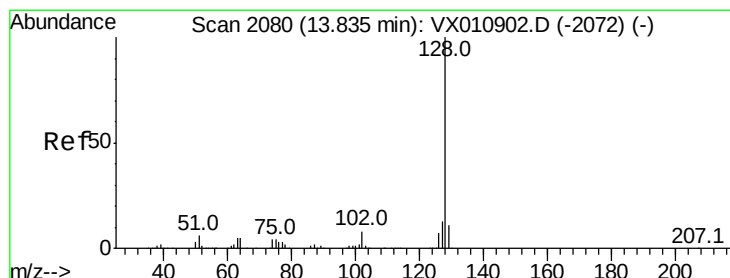
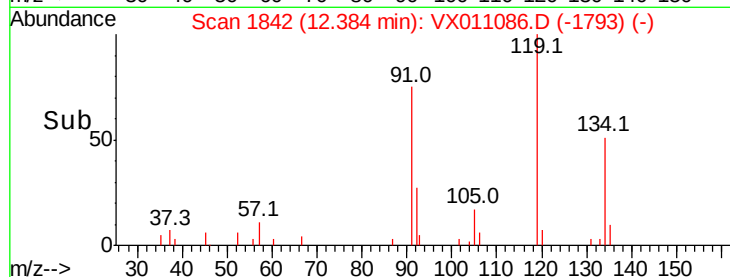
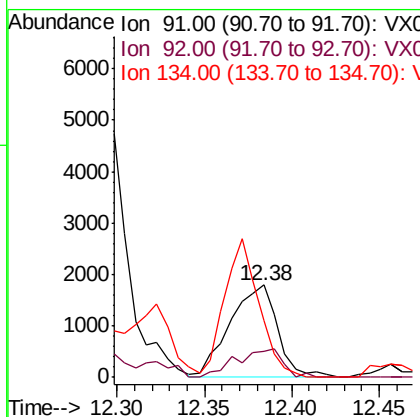
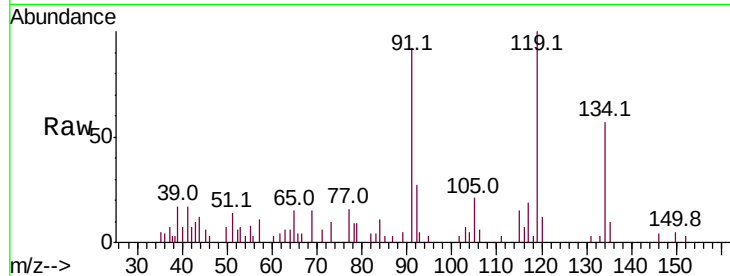




#89
n-Butylbenzene
Concen: 0.427 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011086.D
Acq: 26 Jul 2019 13:28

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion: 91 Resp: 3409
Ion Ratio Lower Upper
91 100
92 30.3 26.2 78.5
134 108.8 13.8 41.3#



#95
Naphthalene
Concen: 3.776 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011086.D
Acq: 26 Jul 2019 13:28

Tgt Ion: 128 Resp: 37610
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.8 8.9 13.3

