

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010493.D
 Acq On : 27 Jun 2019 16:53
 Operator : JC/SP
 Sample : K3565-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0575

Quant Time: Jun 28 07:37:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	258263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	399548	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	359295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	123327	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	5.50	113	124074	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	8.71	98	472177	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.13	95	158039	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	

Target Compounds

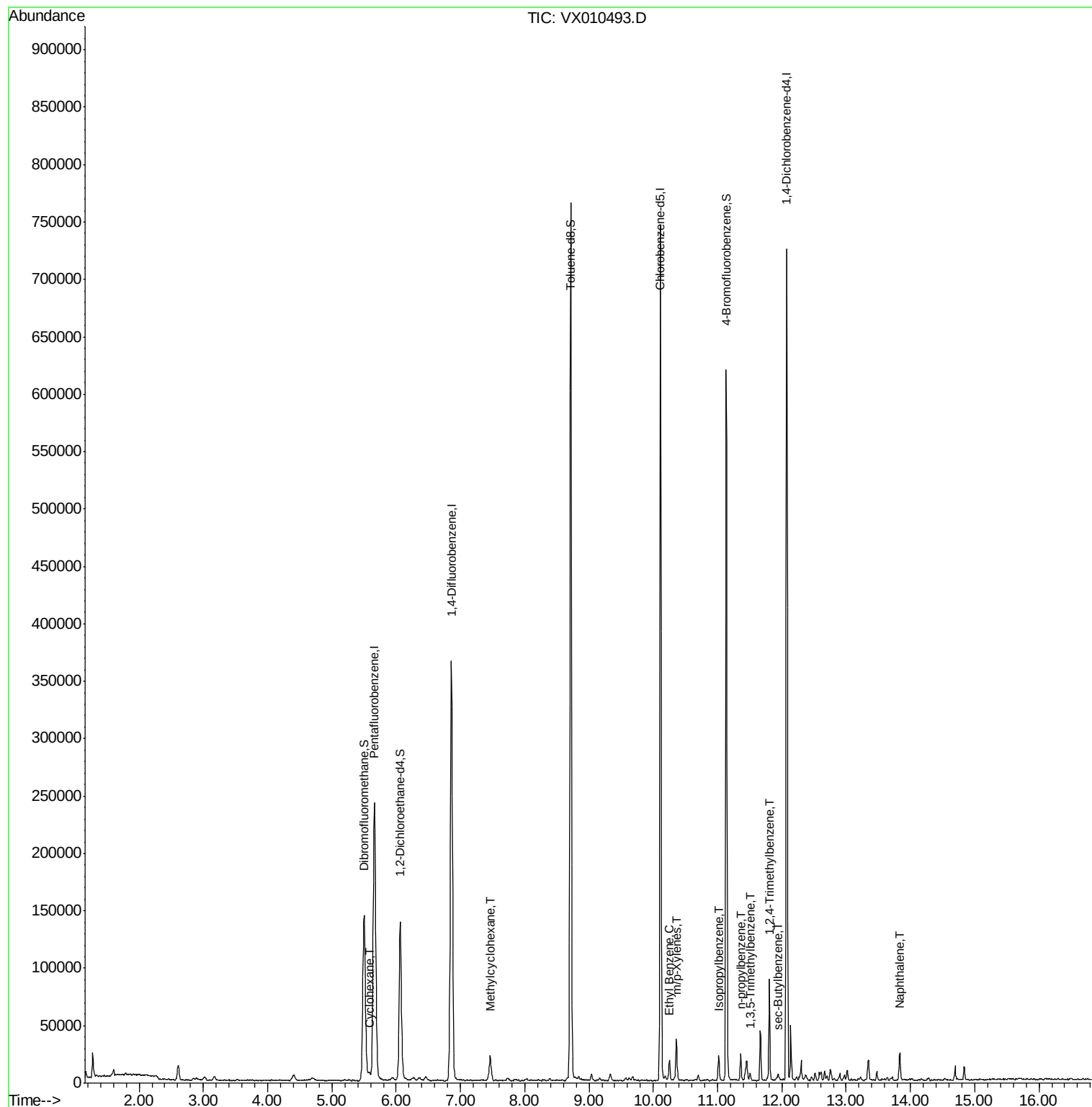
					Qvalue
31) Cyclohexane	5.59	56	3714	1.062 ug/l	# 93
39) Methylcyclohexane	7.46	83	9493	2.275 ug/l	93
67) Ethyl Benzene	10.25	91	10762	0.874 ug/l	98
68) m/p-Xylenes	10.36	106	8608	1.804 ug/l	100
73) Isopropylbenzene	11.02	105	10795	0.956 ug/l	94
78) n-propylbenzene	11.36	91	9115	0.735 ug/l	93
80) 1,3,5-Trimethylbenzene	11.51	105	2606	0.280 ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	37654	4.027 ug/l	98
85) sec-Butylbenzene	11.94	105	2742	0.250 ug/l	79
95) Naphthalene	13.83	128	15258	1.309 ug/l	98

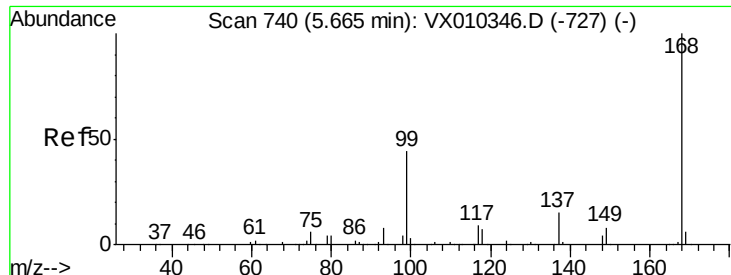
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 28 07:37:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
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: VX010493.D

Acq: 27 Jun 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

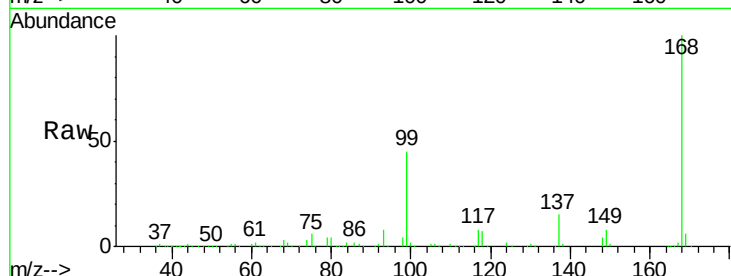
FL-0575

Tot Ion:168 Resp: 258263

Ion Ratio Lower Upper

168 100

99 45.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

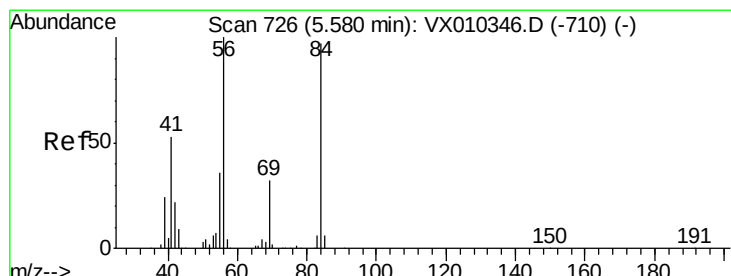
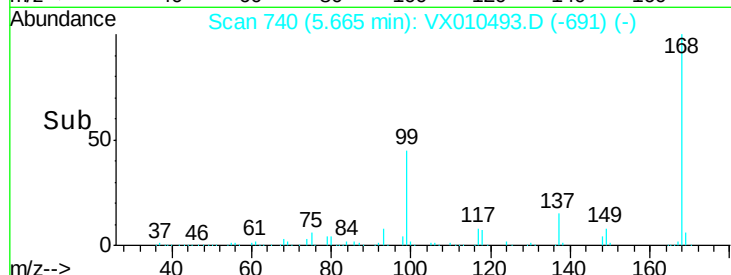
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 1.062 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

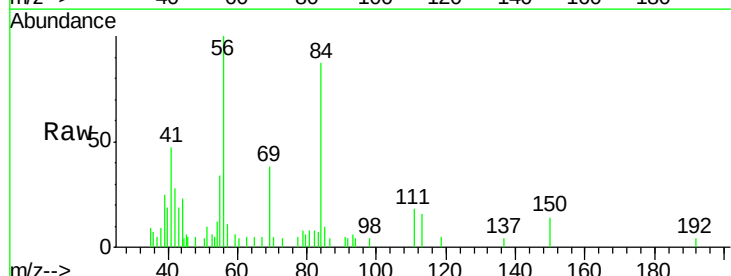
Tgt Ion: 56 Resp: 3714

Ion Ratio Lower Upper

56 100

69 40.7 25.9 38.9#

84 92.5 78.0 117.0



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

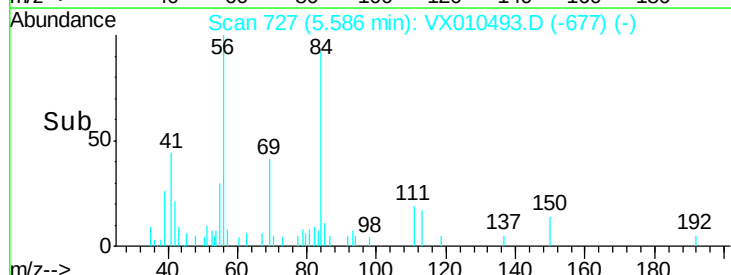
3000

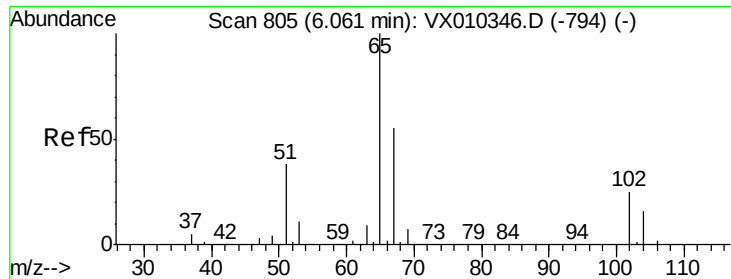
2000

1000

0

Time--> 5.50 5.55 5.60 5.65

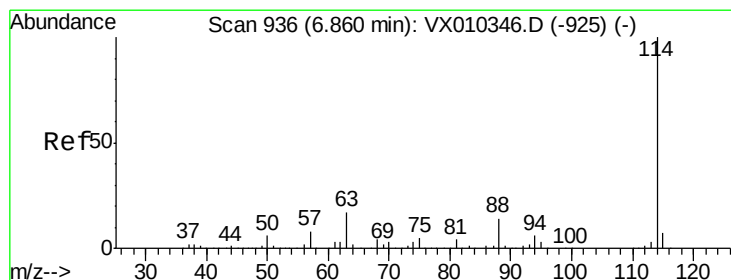
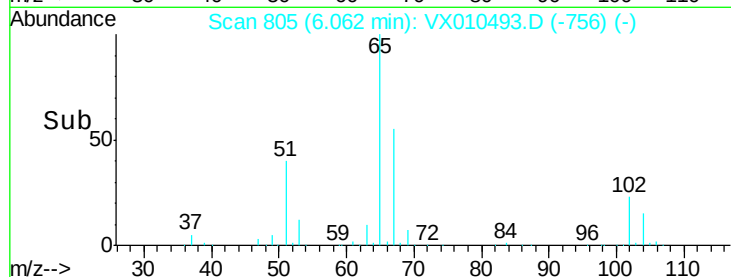
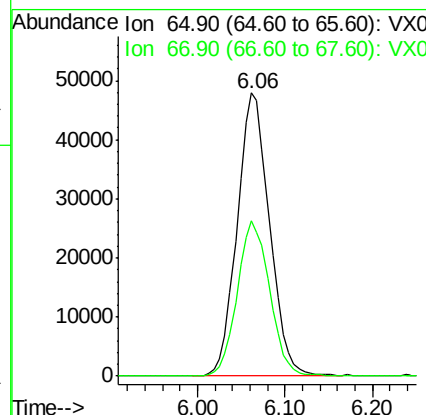
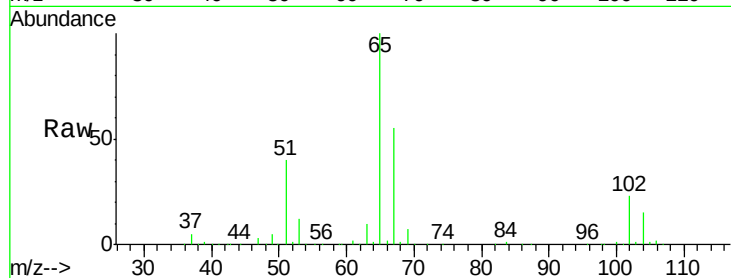




#33
 1,2-Dichloroethane-d4
 Concen: 50.931 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010493.D
 Acq: 27 Jun 2019 16:53

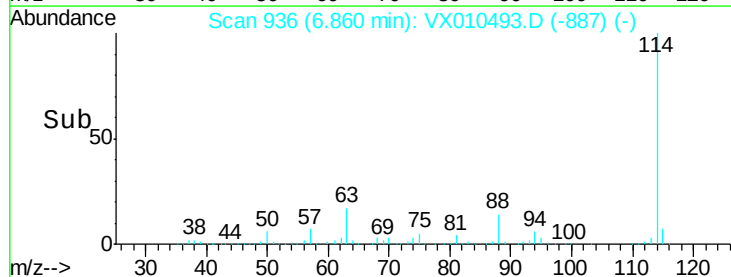
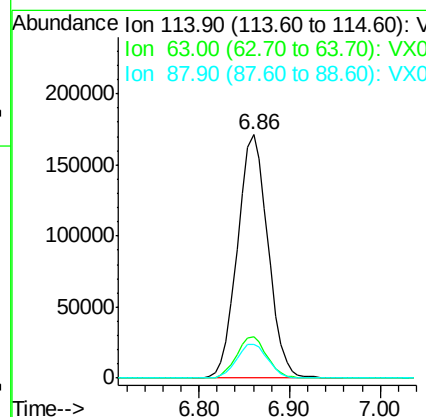
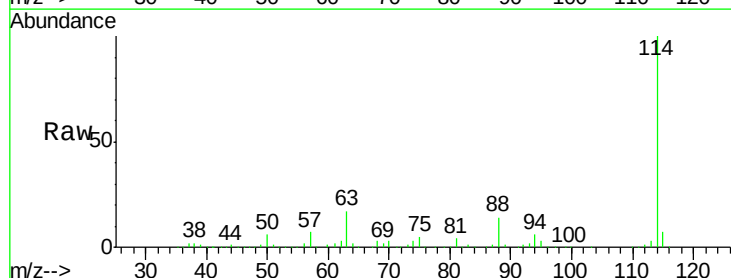
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0575

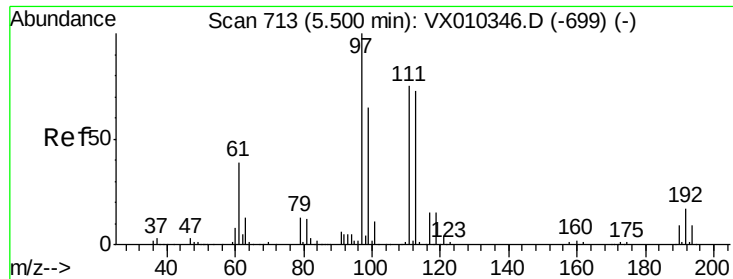
Tot Ion: 65 Resp: 123327
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010493.D
 Acq: 27 Jun 2019 16:53

Tgt Ion: 114 Resp: 399548
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 33.8
 88 14.0 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.755 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

FL-0575

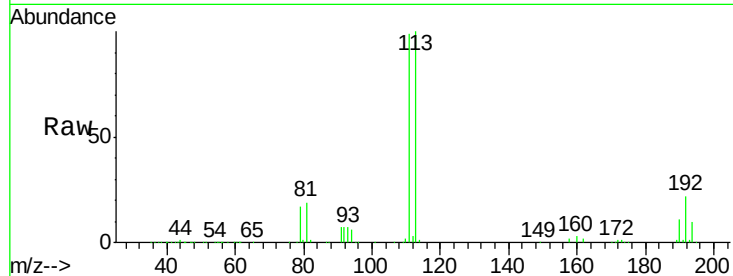
Tot Ion:113 Resp: 124074

Ion Ratio Lower Upper

113 100

111 99.7 81.2 121.8

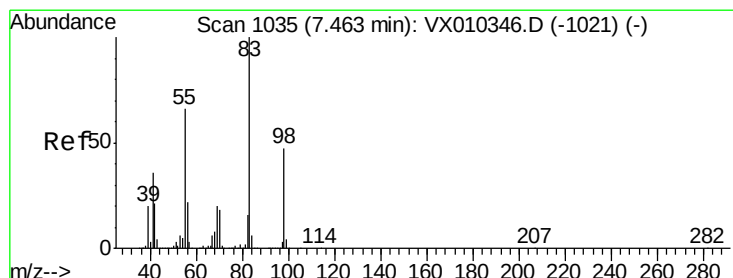
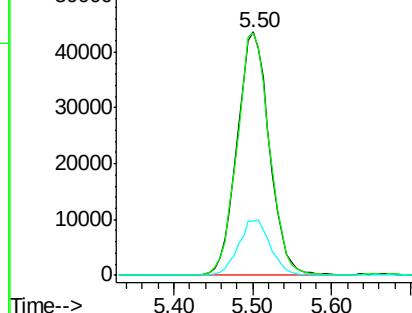
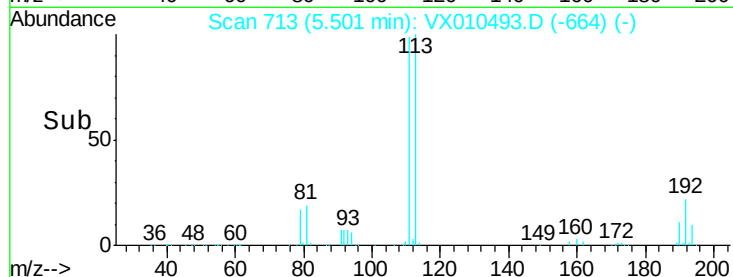
192 22.6 18.6 27.8



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: 2.275 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

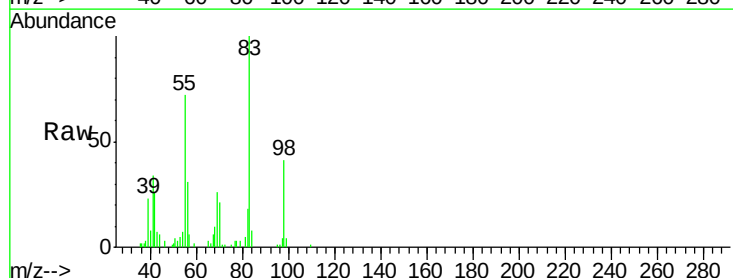
Tgt Ion: 83 Resp: 9493

Ion Ratio Lower Upper

83 100

55 70.6 53.0 79.6

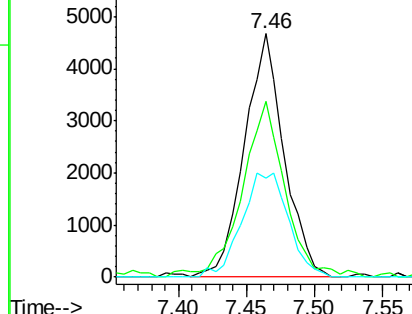
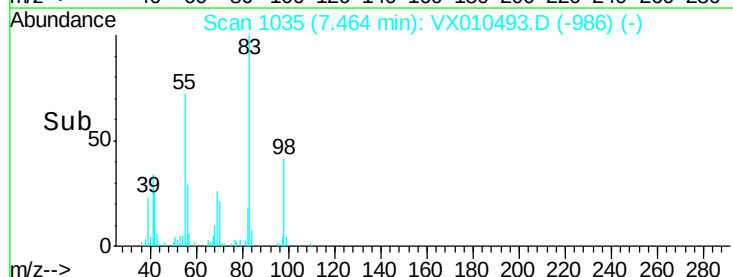
98 40.6 37.8 56.8

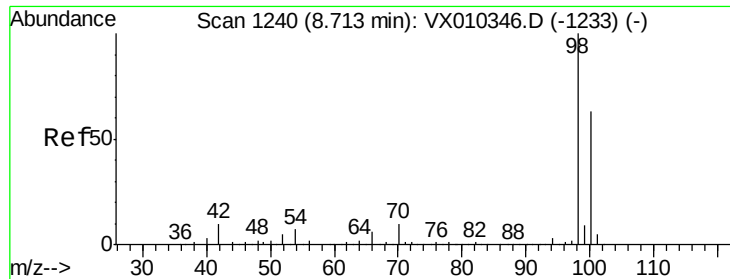


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 50.487 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

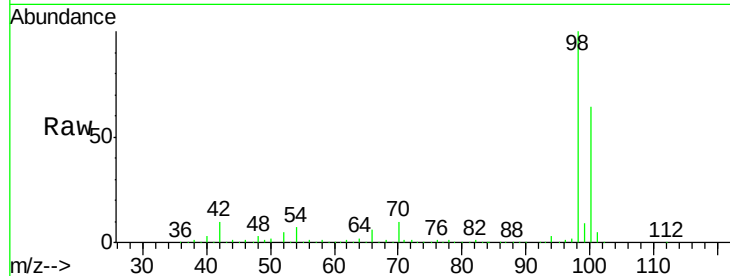
FL-0575

Tot Ion: 98 Resp: 472177

Ion Ratio Lower Upper

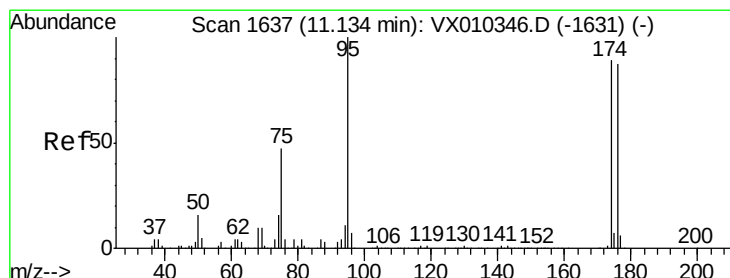
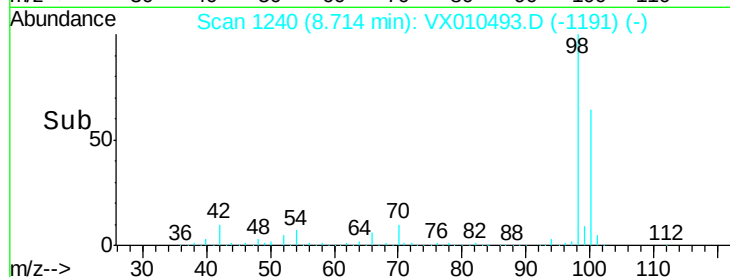
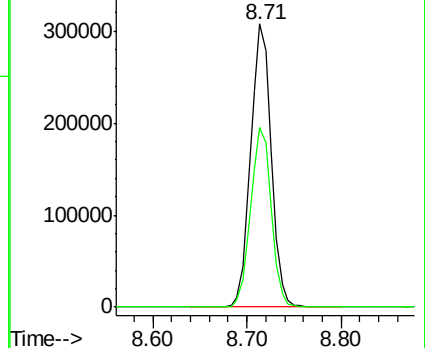
98 100

100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.805 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

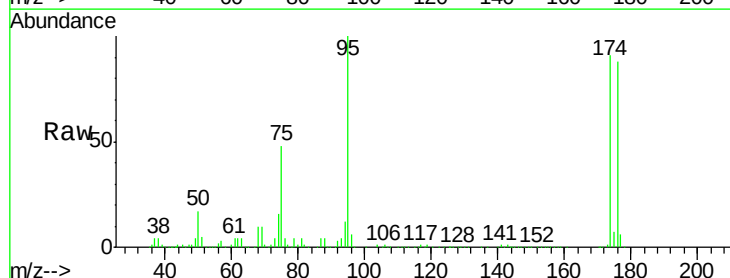
Tgt Ion: 95 Resp: 158039

Ion Ratio Lower Upper

95 100

174 94.1 0.0 187.6

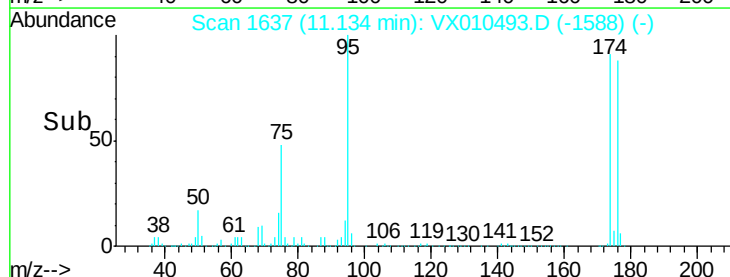
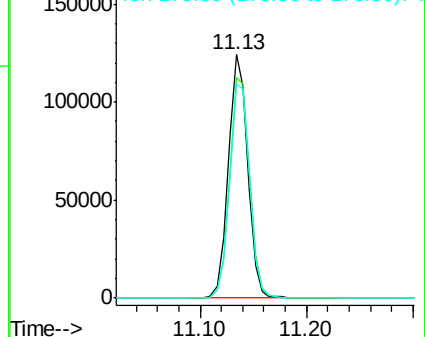
176 91.2 0.0 184.0

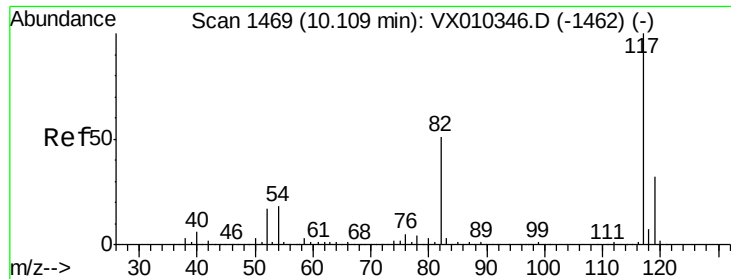


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

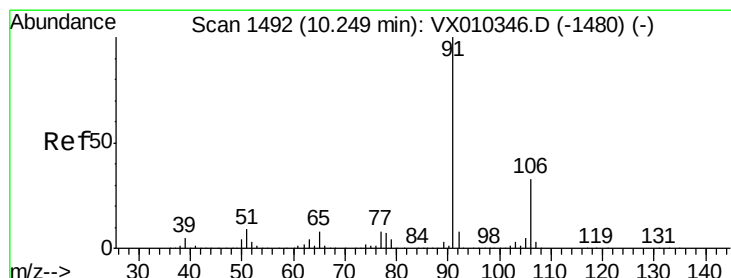
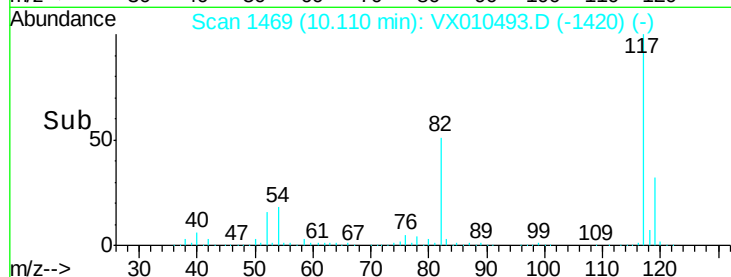
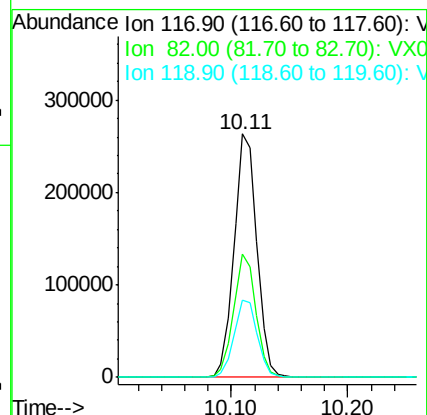
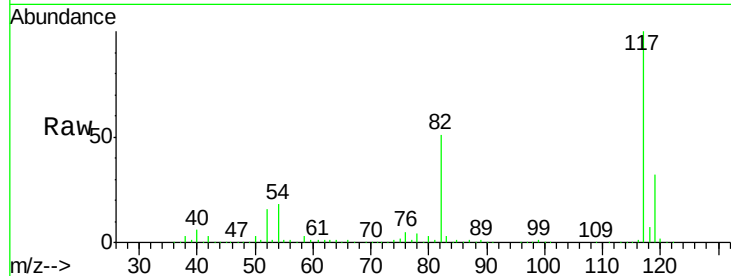




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

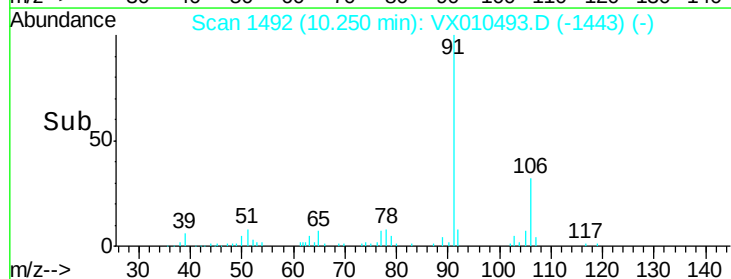
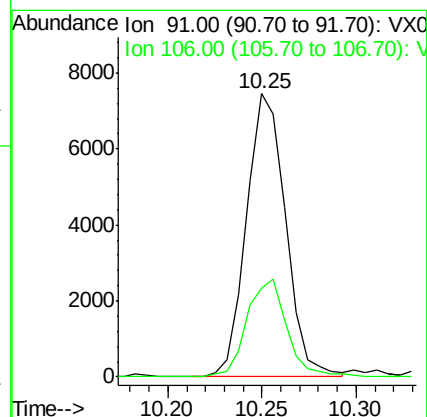
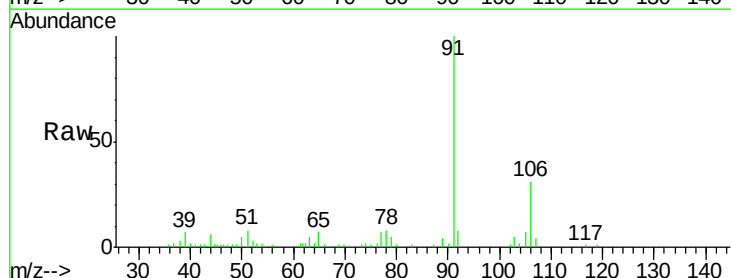
Instrument :
MSVOA_X
ClientSampled :
FL-0575

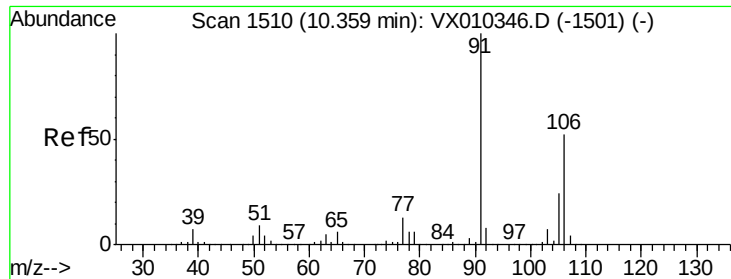
Tot Ion:117 Resp: 359295
Ion Ratio Lower Upper
117 100
82 50.8 41.2 61.8
119 31.9 25.5 38.3



#67
Ethyl Benzene
Concen: 0.874 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

Tgt Ion: 91 Resp: 10762
Ion Ratio Lower Upper
91 100
106 31.4 26.2 39.2

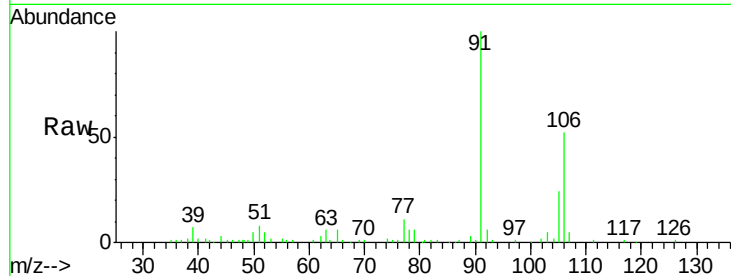




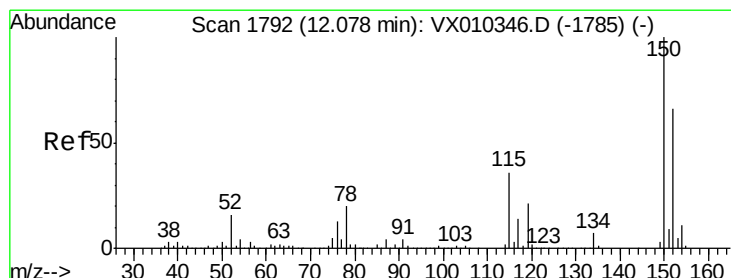
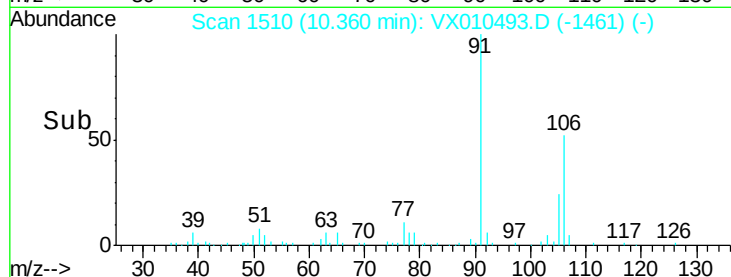
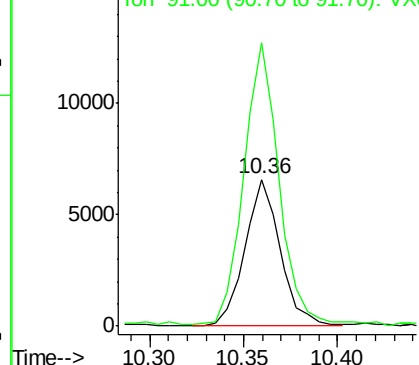
#68
m/p-Xylenes
Concen: 1.804 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

Instrument :
MSVOA_X
ClientSampled :
FL-0575

Tot Ion:106 Resp: 8608
Ion Ratio Lower Upper
106 100
91 194.2 155.3 232.9

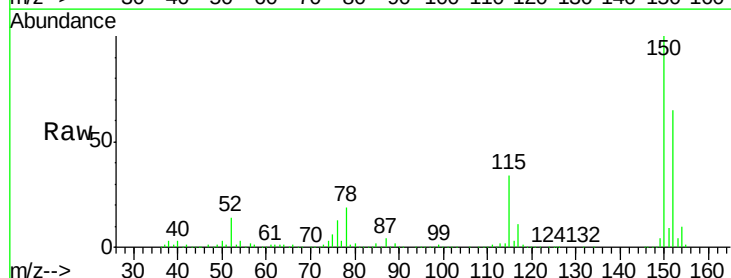


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

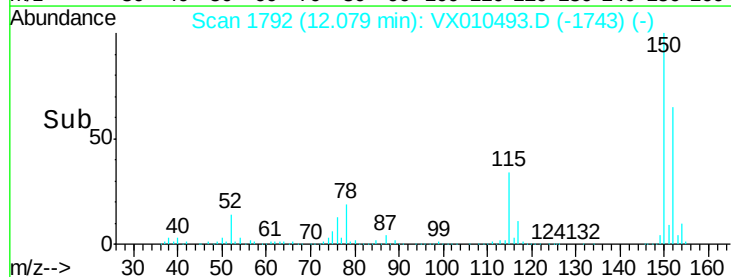
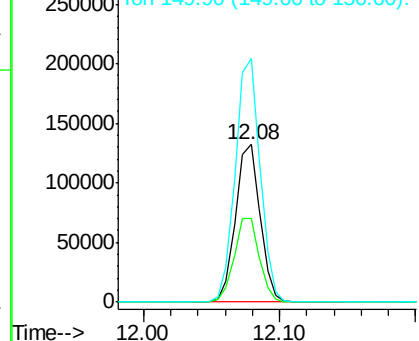


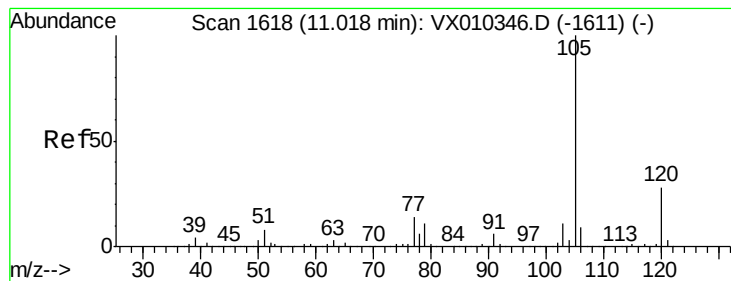
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010493.D
Acq: 27 Jun 2019 16:53

Tgt Ion:152 Resp: 166527
Ion Ratio Lower Upper
152 100
115 54.2 38.6 115.7
150 156.0 0.0 347.4



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: 0.956 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

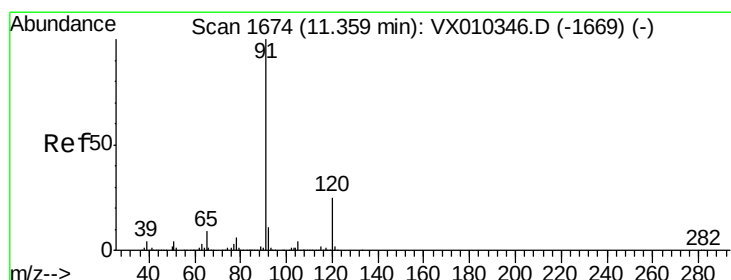
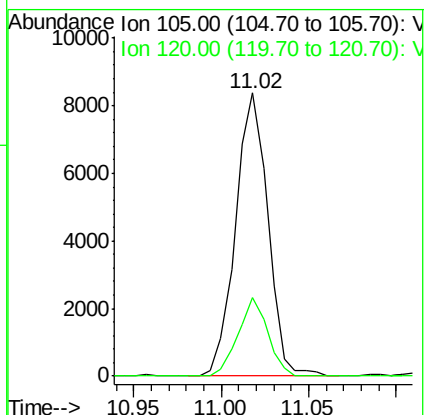
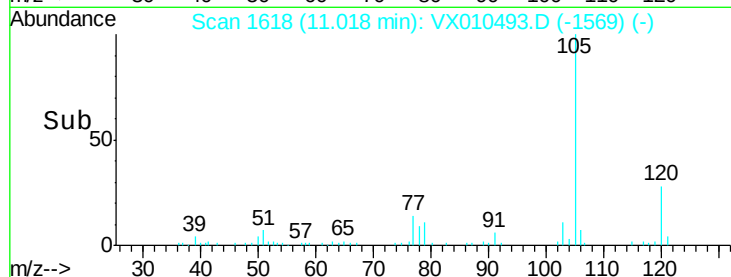
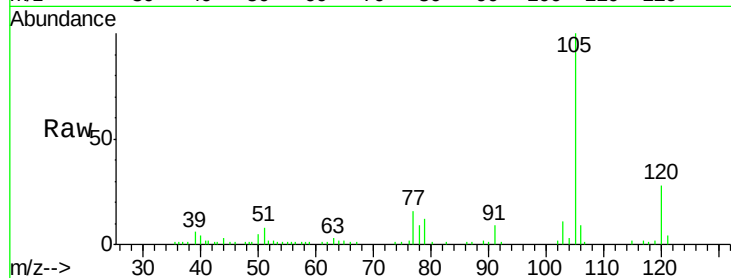
FL-0575

Tot Ion:105 Resp: 10795

Ion Ratio Lower Upper

105 100

120 25.3 14.1 42.4



#78

n-propylbenzene

Concen: 0.735 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010493.D

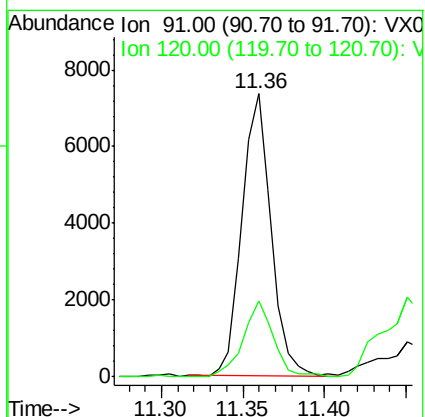
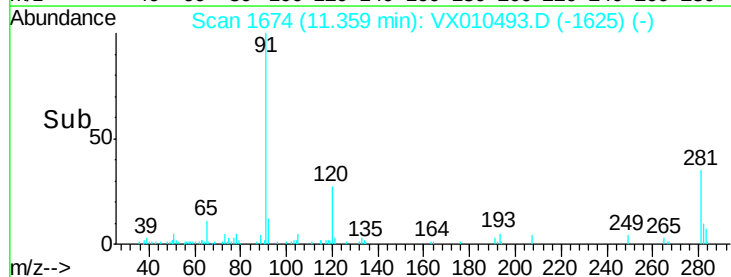
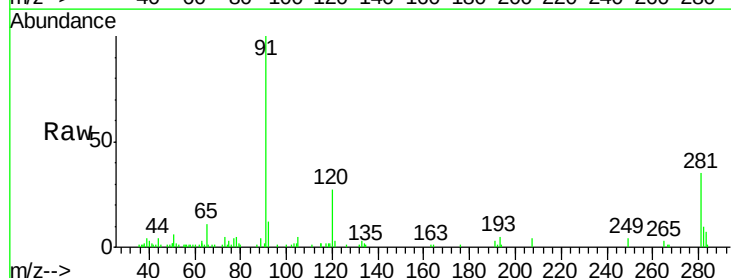
Acq: 27 Jun 2019 16:53

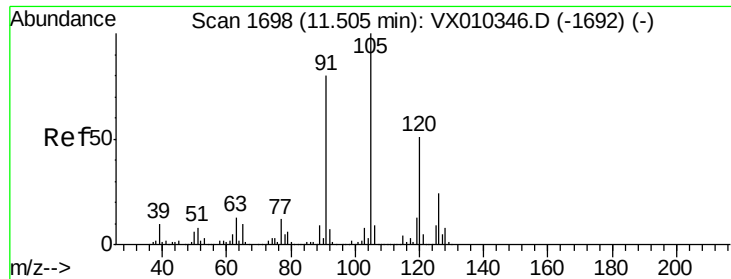
Tgt Ion: 91 Resp: 9115

Ion Ratio Lower Upper

91 100

120 28.3 12.4 37.4

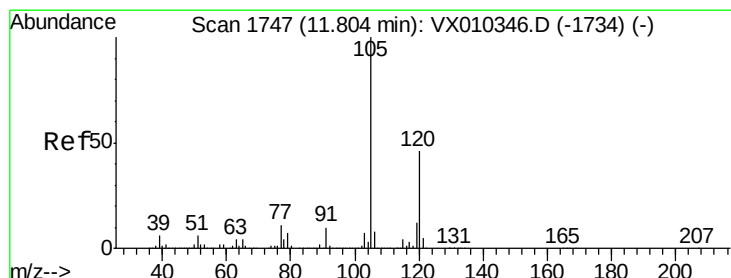
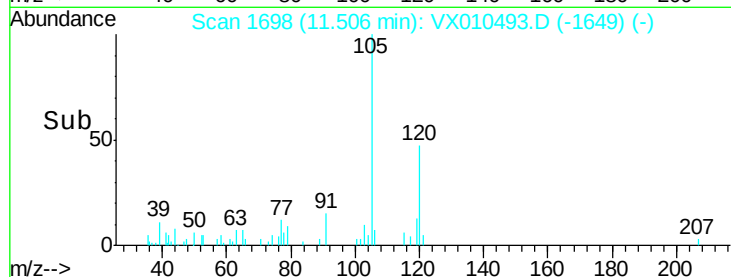
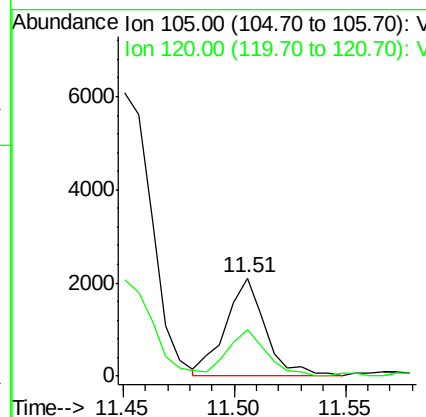
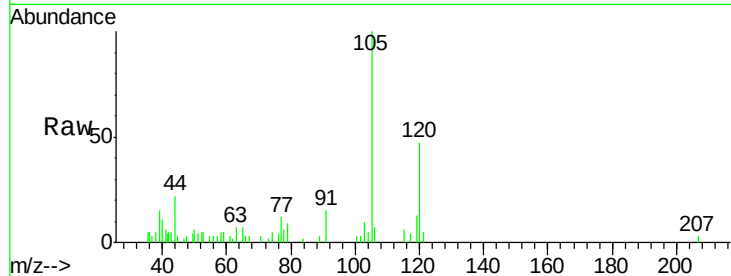




#80
 1,3,5-Trimethylbenzene
 Concen: 0.280 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010493.D
 Acq: 27 Jun 2019 16:53

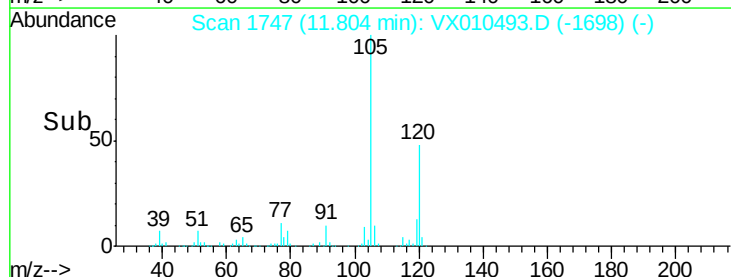
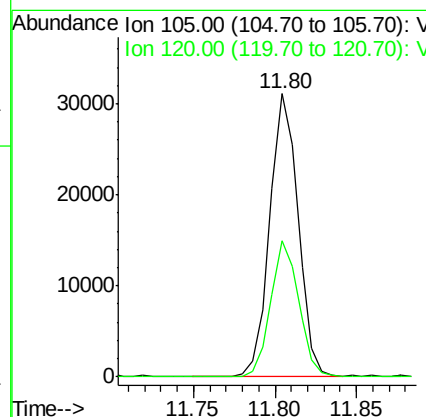
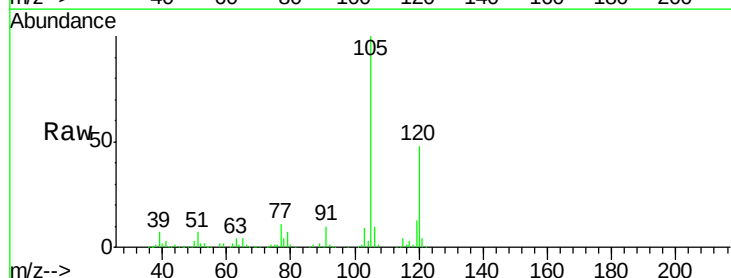
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0575

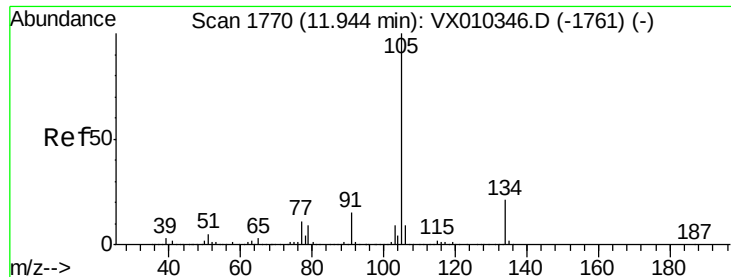
Tot Ion:105 Resp: 2606
 Ion Ratio Lower Upper
 105 100
 120 45.6 25.2 75.6



#84
 1,2,4-Trimethylbenzene
 Concen: 4.027 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010493.D
 Acq: 27 Jun 2019 16:53

Tgt Ion:105 Resp: 37654
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 0.250 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

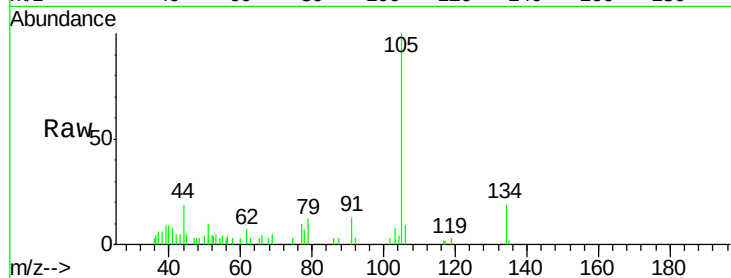
FL-0575

Tot Ion:105 Resp: 2742

Ion Ratio Lower Upper

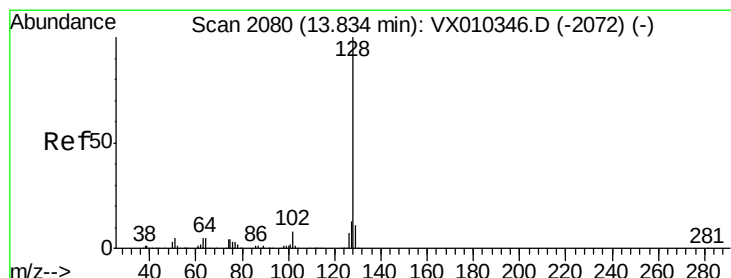
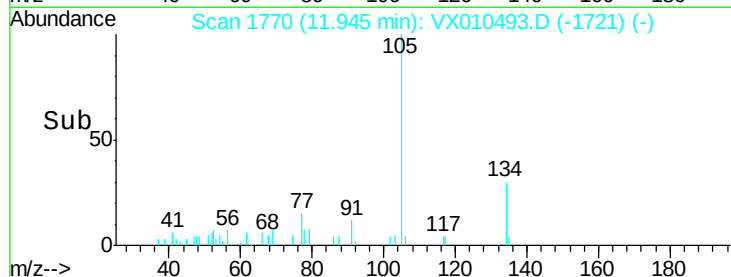
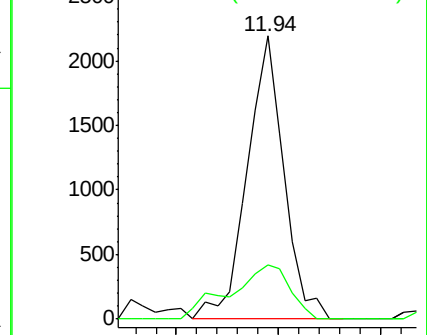
105 100

134 31.0 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 1.309 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010493.D

Acq: 27 Jun 2019 16:53

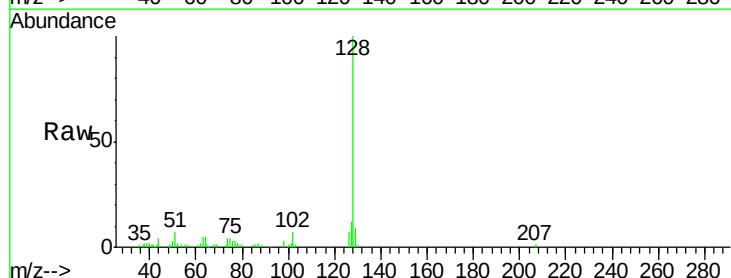
Tgt Ion:128 Resp: 15258

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 12.6 8.9 13.3



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

