

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010679.D
 Acq On : 04 Jul 2019 09:48
 Operator : JC/SP
 Sample : K3664-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0586

Quant Time: Jul 05 03:35:19 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	244198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	381593	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	345973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160674	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	121173	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
35) Dibromofluoromethane	5.50	113	115446	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	8.71	98	454065	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.13	95	155082	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	

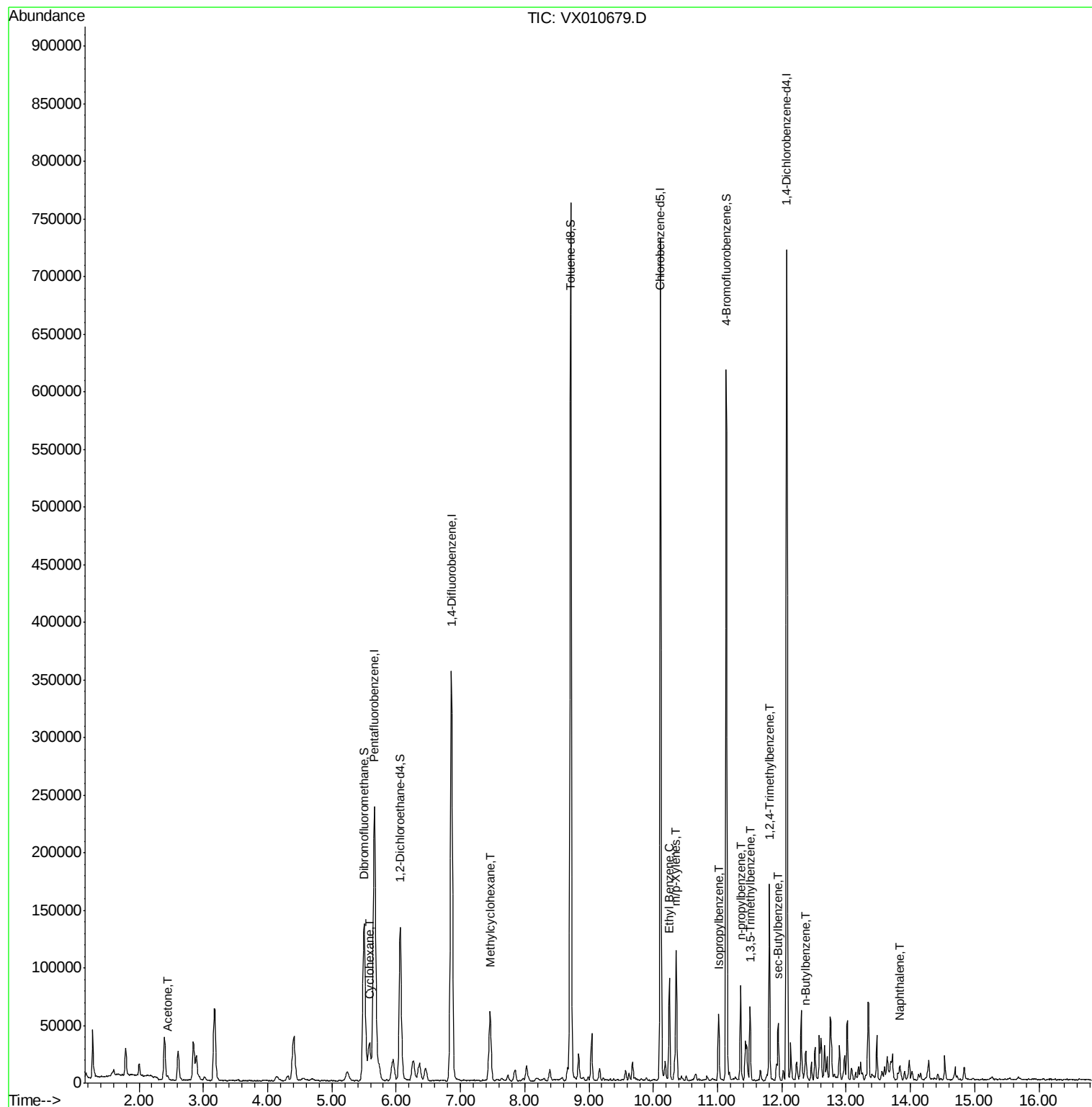
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	2821	2.458	ug/l #	76
31) Cyclohexane	5.57	56	22194	6.711	ug/l	92
39) Methylcyclohexane	7.46	83	27303	6.850	ug/l	95
67) Ethyl Benzene	10.25	91	50131	4.228	ug/l	95
68) m/p-Xylenes	10.35	106	26379	5.741	ug/l	100
73) Isopropylbenzene	11.02	105	29506	2.709	ug/l	98
78) n-propylbenzene	11.36	91	50328	4.204	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	26504	2.952	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	72771	8.067	ug/l	98
85) sec-Butylbenzene	11.94	105	25802	2.438	ug/l	89
89) n-Butylbenzene	12.38	91	4137	0.497	ug/l #	36
95) Naphthalene	13.83	128	7347	0.653	ug/l #	91

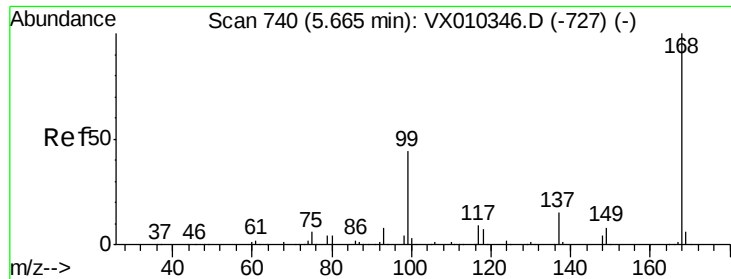
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010679.D

Acq: 04 Jul 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

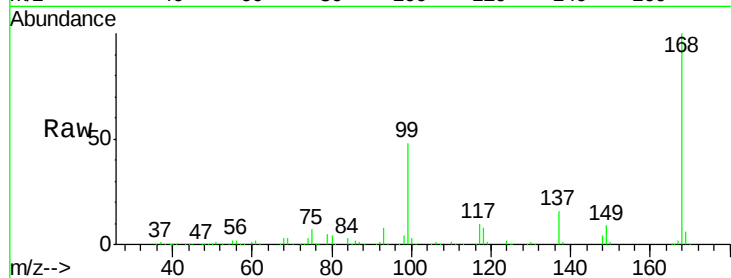
FL-0586

Tot Ion:168 Resp: 244198

Ion Ratio Lower Upper

168 100

99 47.9 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

80000

60000

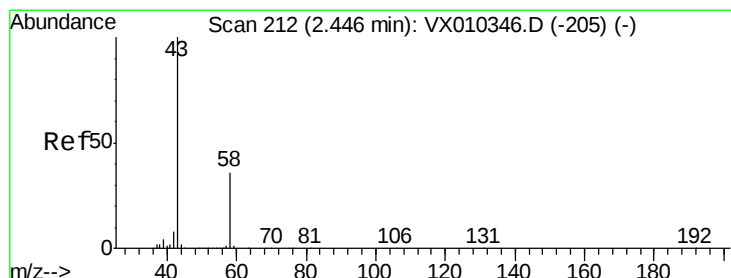
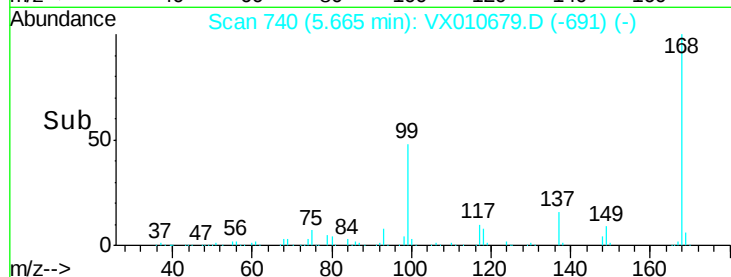
40000

20000

0

Time-->

5.60 5.70 5.80



#16

Acetone

Concen: 2.458 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010679.D

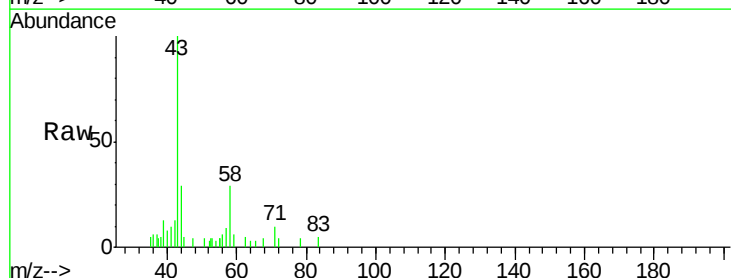
Acq: 04 Jul 2019 09:48

Tgt Ion: 43 Resp: 2821

Ion Ratio Lower Upper

43 100

58 22.1 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000

6000

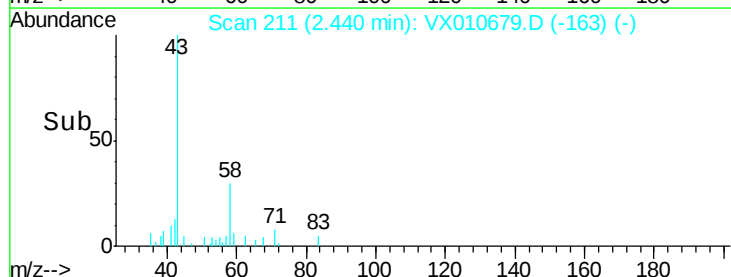
4000

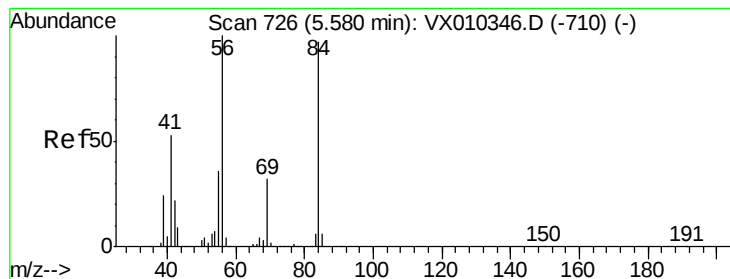
2000

0

Time-->

2.40 2.45 2.50





#31

Cyclohexane

Concen: 6.711 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010679.D

Acq: 04 Jul 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

FL-0586

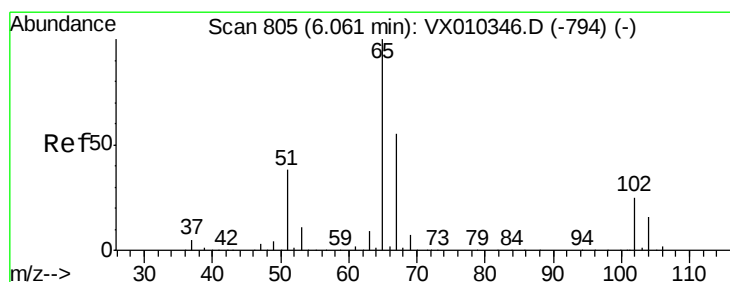
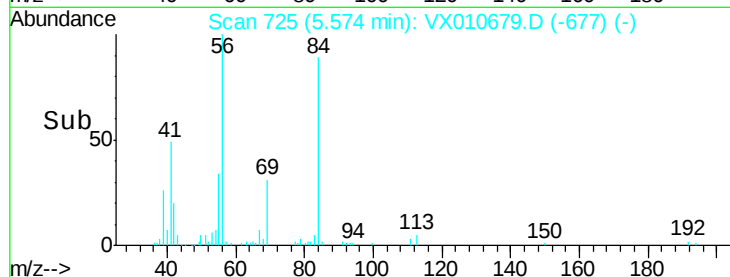
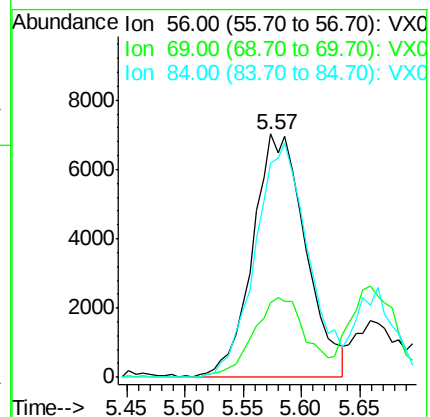
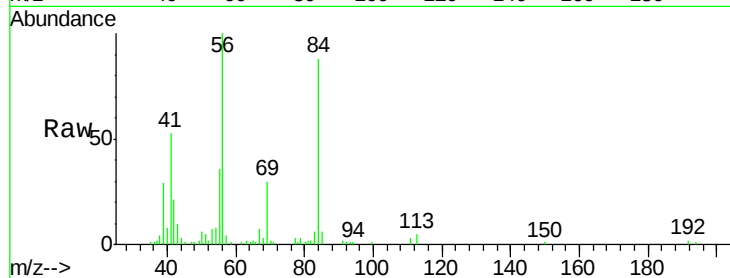
Tot Ion: 56 Resp: 22194

Ion Ratio Lower Upper

56 100

69 30.5 25.9 38.9

84 87.8 78.0 117.0



#33

1,2-Dichloroethane-d4

Concen: 52.923 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010679.D

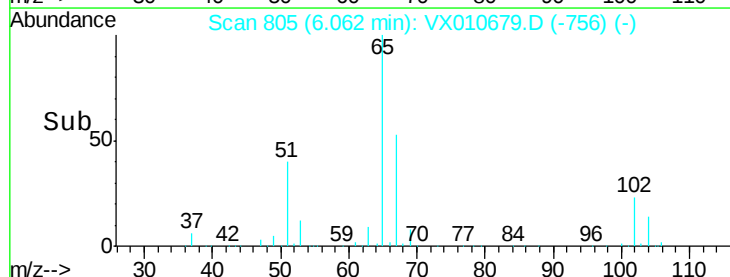
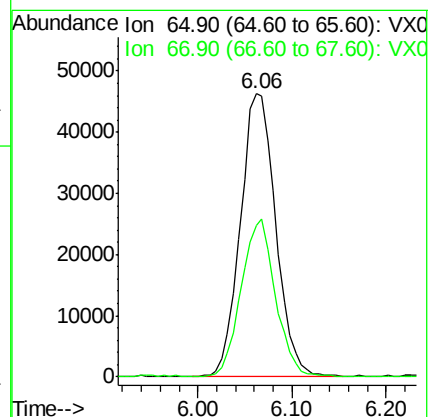
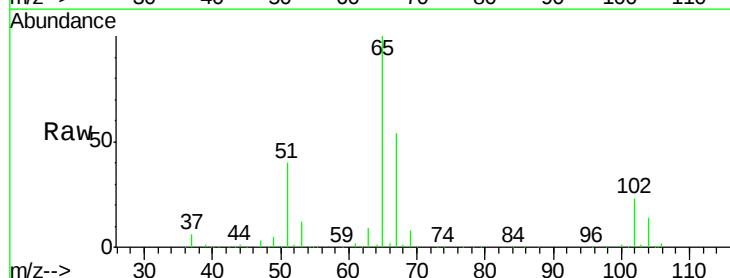
Acq: 04 Jul 2019 09:48

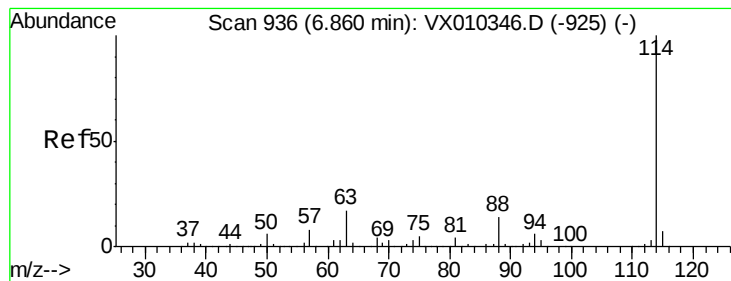
Tgt Ion: 65 Resp: 121173

Ion Ratio Lower Upper

65 100

67 54.4 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: VX010679.D

Acq: 04 Jul 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

FL-0586

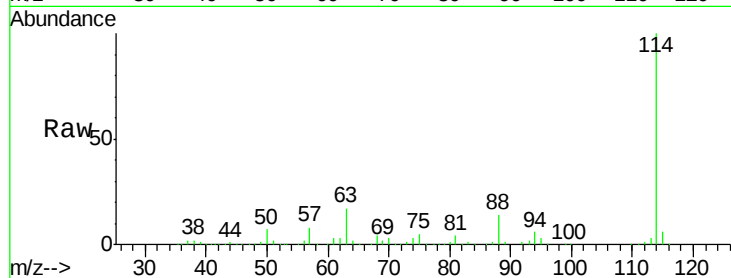
Tot Ion:114 Resp: 381593

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

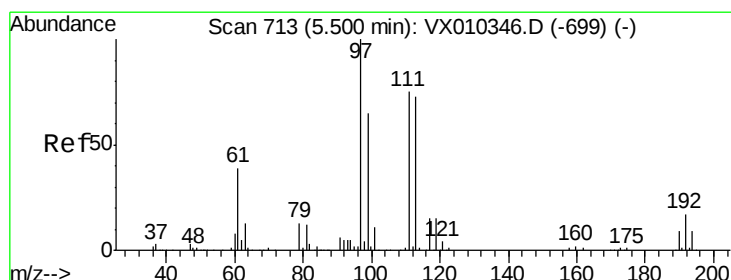
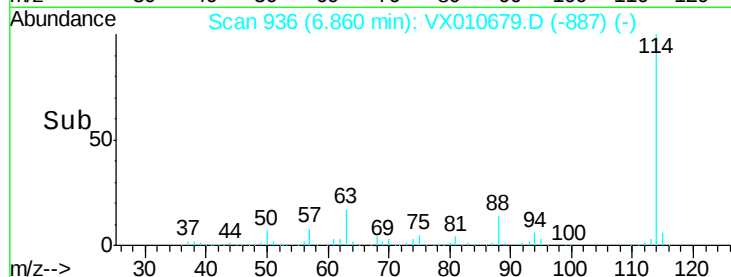
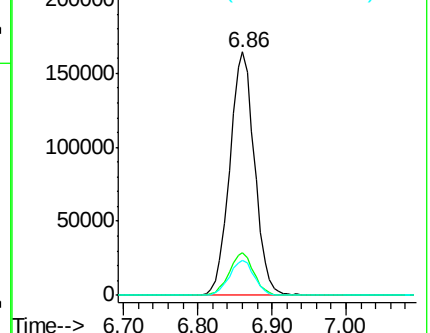
88 14.4 0.0 27.6



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: 49.447 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010679.D

Acq: 04 Jul 2019 09:48

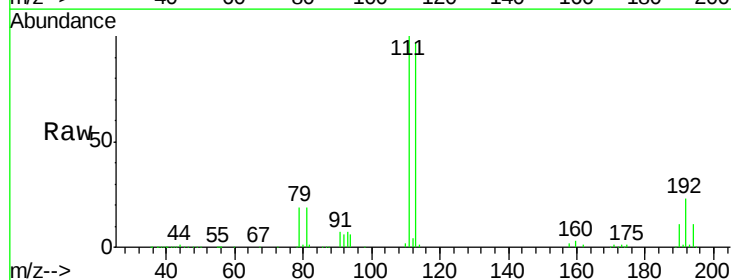
Tgt Ion:113 Resp: 115446

Ion Ratio Lower Upper

113 100

111 100.6 81.2 121.8

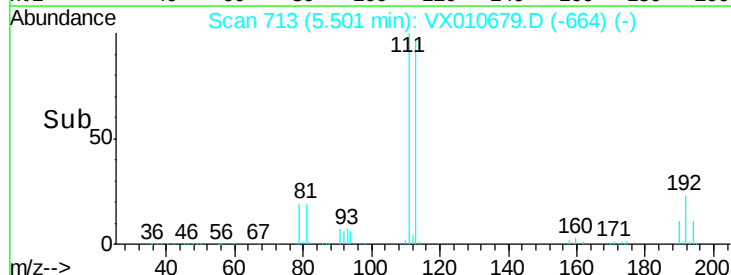
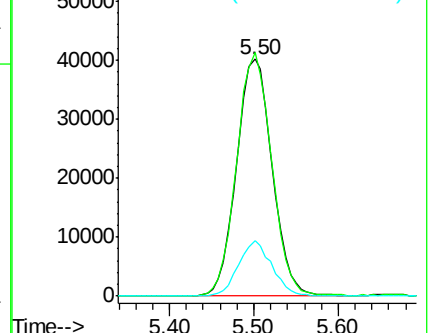
192 21.8 18.6 27.8

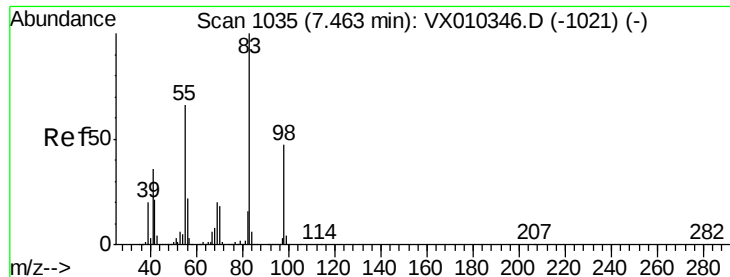


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

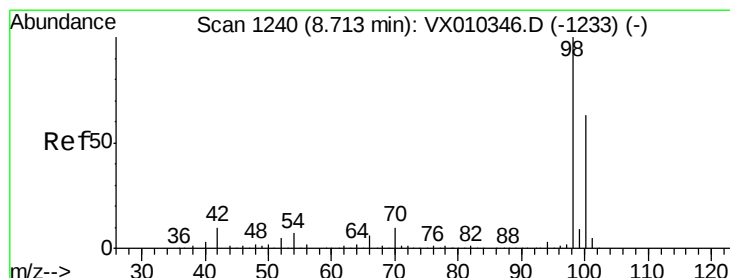
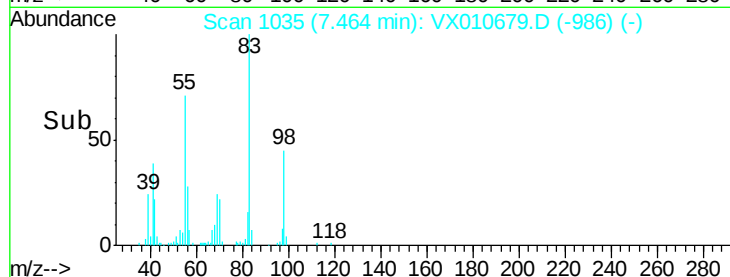
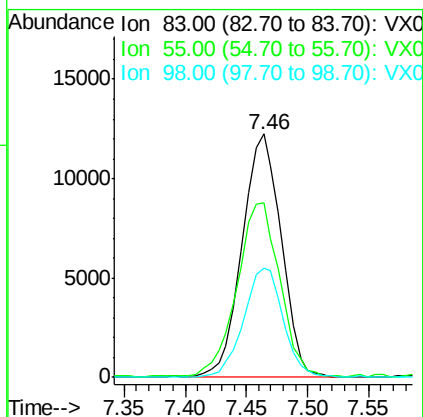
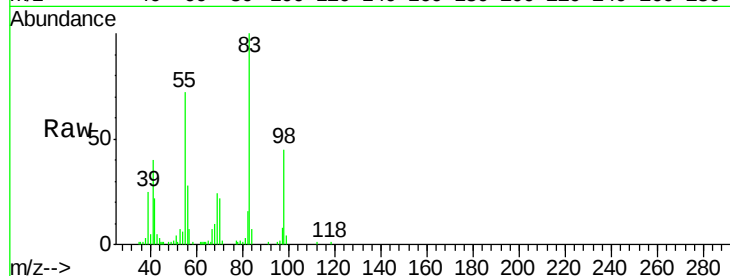




#39
Methvlcvclohexane
Concen: 6.850 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010679.D
Acq: 04 Jul 2019 09:48

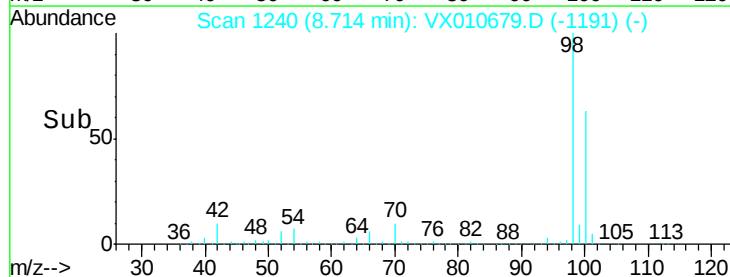
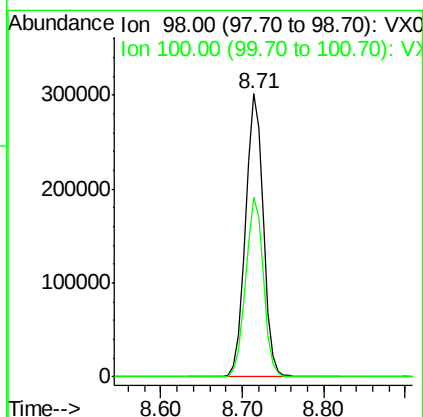
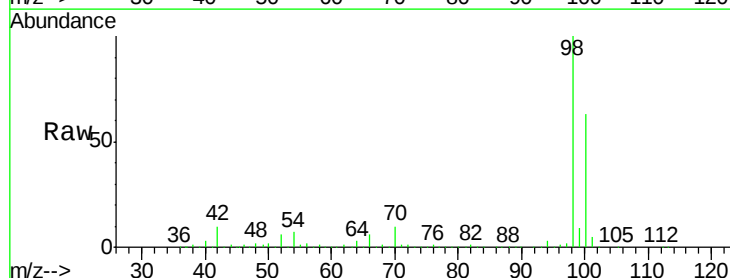
Instrument :
MSVOA_X
ClientSampleId :
FL-0586

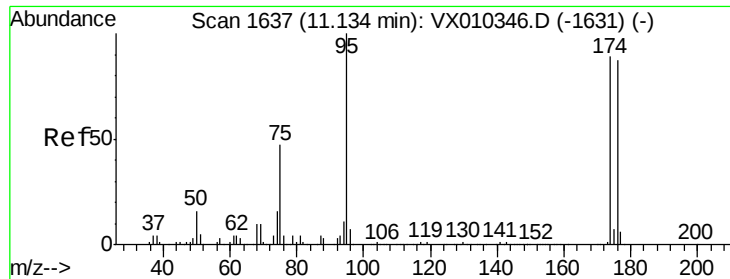
Tot Ion: 83 Resp: 27303
Ion Ratio Lower Upper
83 100
55 71.0 53.0 79.6
98 44.8 37.8 56.8



#50
Toluene-d8
Concen: 50.835 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010679.D
Acq: 04 Jul 2019 09:48

Tgt Ion: 98 Resp: 454065
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4

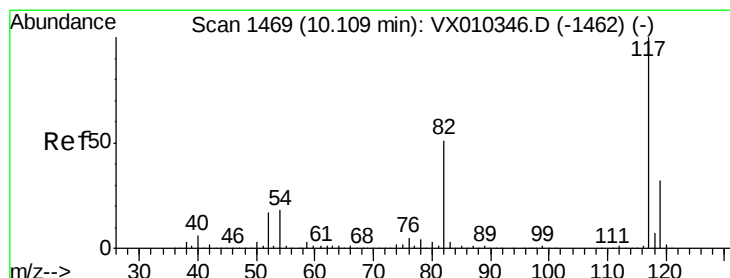
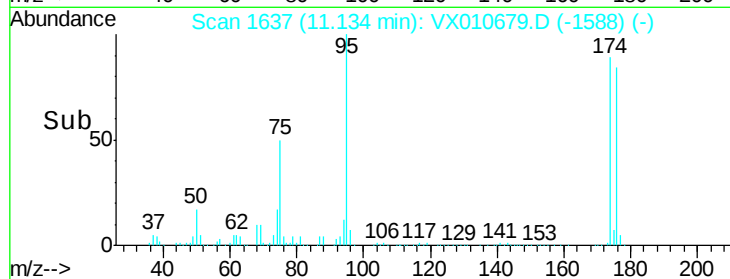
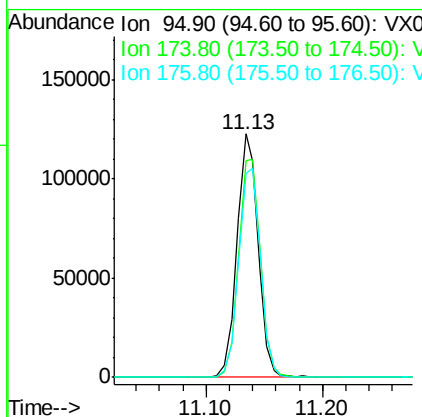
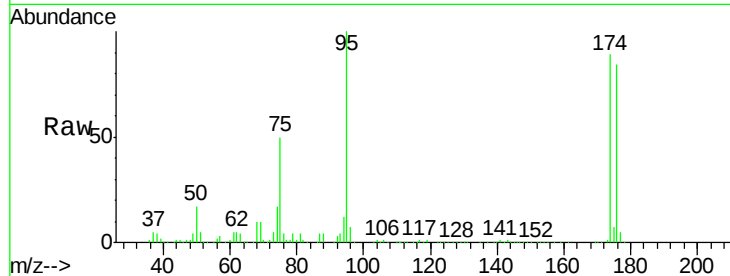




#62
4-Bromofluorobenzene
Concen: 48.091 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010679.D
Acq: 04 Jul 2019 09:48

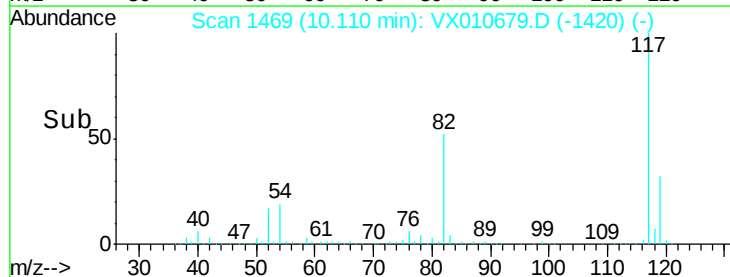
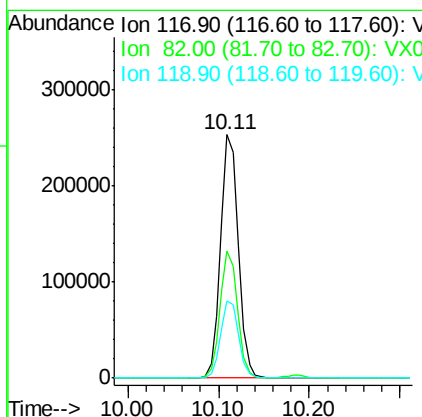
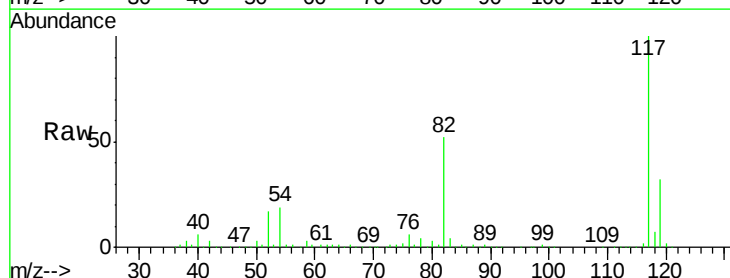
Instrument :
MSVOA_X
ClientSampleId :
FL-0586

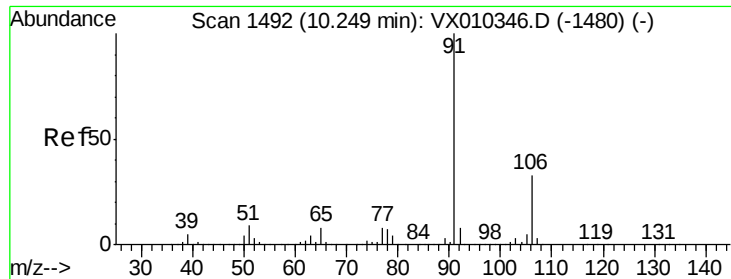
Tot Ion: 95 Resp: 155082
Ion Ratio Lower Upper
95 100
174 92.8 0.0 187.6
176 89.1 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010679.D
Acq: 04 Jul 2019 09:48

Tgt Ion: 117 Resp: 345973
Ion Ratio Lower Upper
117 100
82 52.0 41.2 61.8
119 32.0 25.5 38.3





#67

Ethyl Benzene

Concen: 4.228 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010679.D

Acq: 04 Jul 2019 09:48

Instrument :

MSVOA_X

ClientSampled :

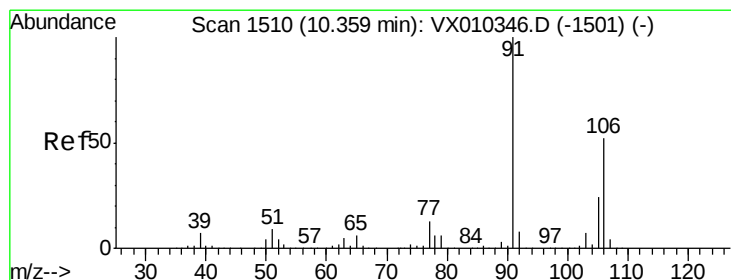
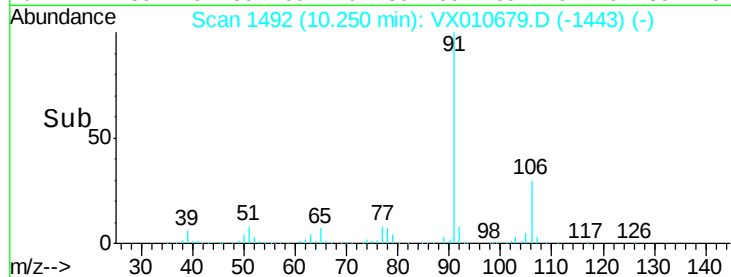
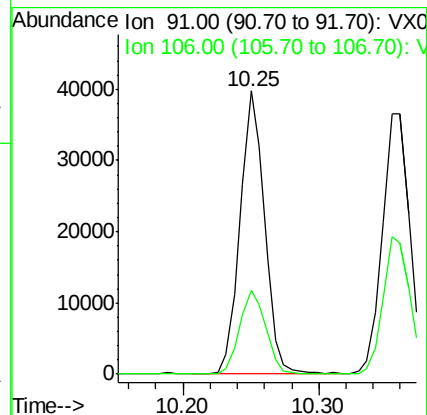
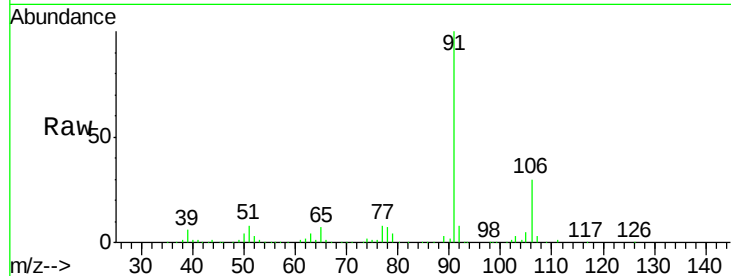
FL-0586

Tot Ion: 91 Resp: 50131

Ion Ratio Lower Upper

91 100

106 29.7 26.2 39.2



#68

m/p-Xylenes

Concen: 5.741 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX010679.D

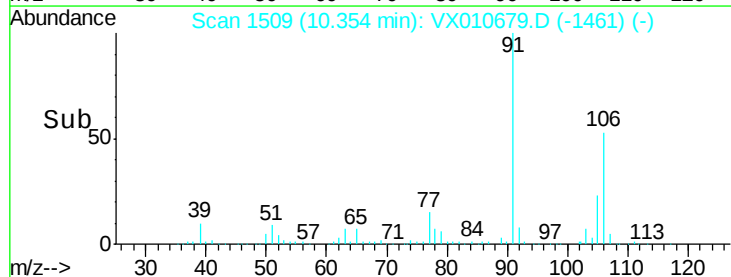
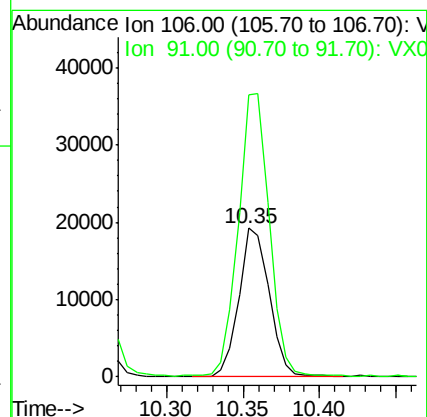
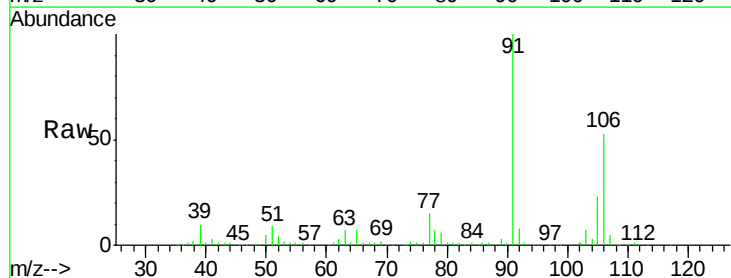
Acq: 04 Jul 2019 09:48

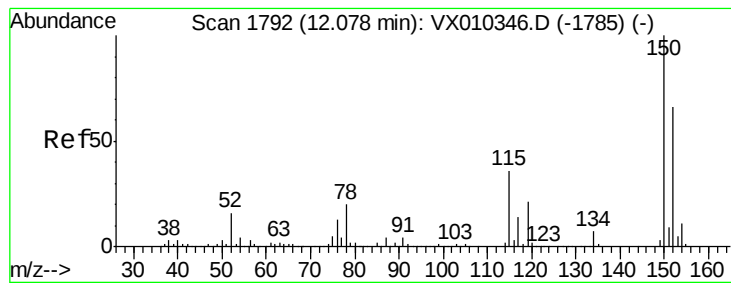
Tgt Ion: 106 Resp: 26379

Ion Ratio Lower Upper

106 100

91 194.3 155.3 232.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010679.D

Acq: 04 Jul 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

FL-0586

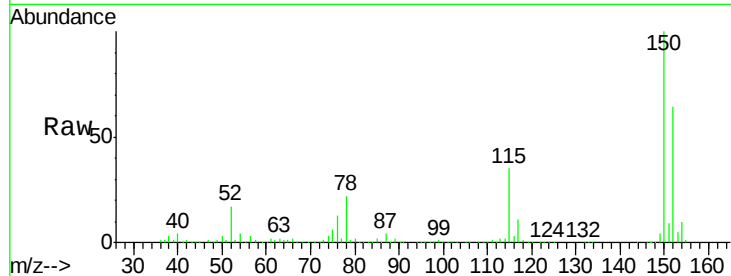
Tot Ion:152 Resp: 160674

Ion Ratio Lower Upper

152 100

115 55.5 38.6 115.7

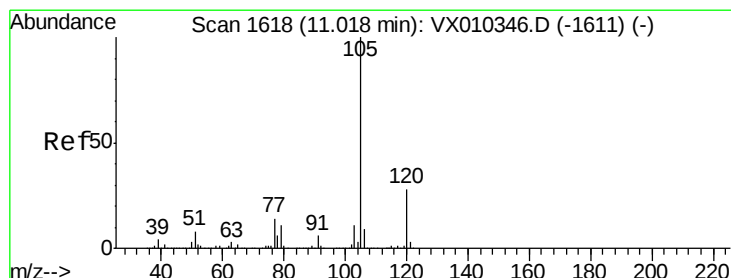
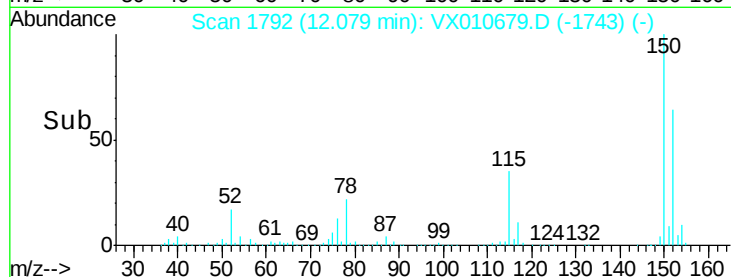
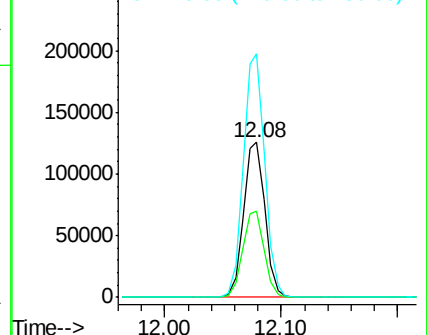
150 156.6 0.0 347.4



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: 2.709 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010679.D

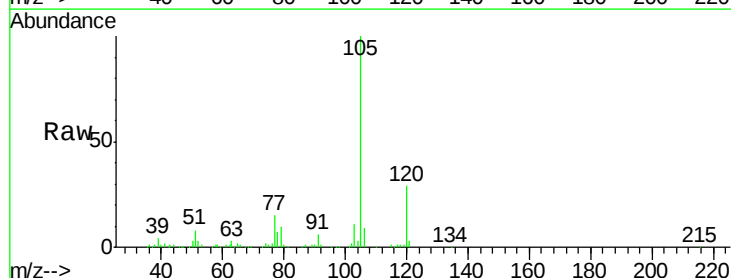
Acq: 04 Jul 2019 09:48

Tgt Ion:105 Resp: 29506

Ion Ratio Lower Upper

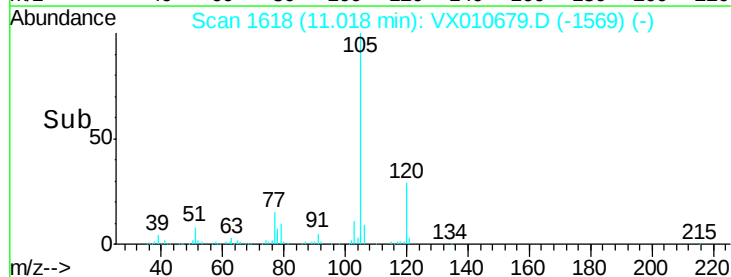
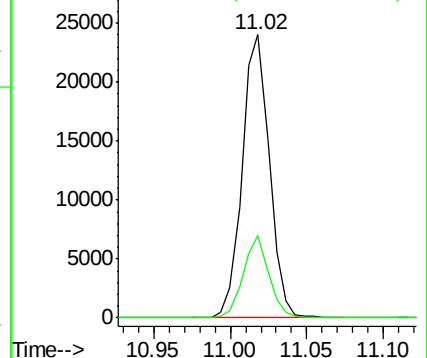
105 100

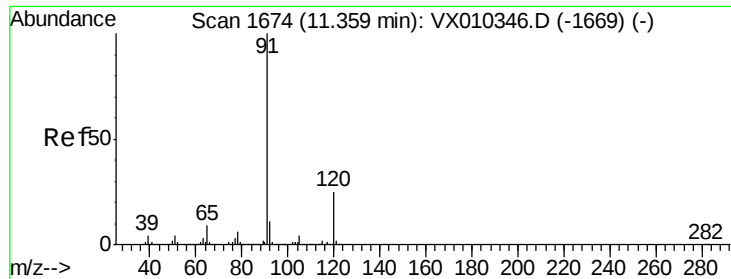
120 27.2 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 4.204 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010679.D

Acq: 04 Jul 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

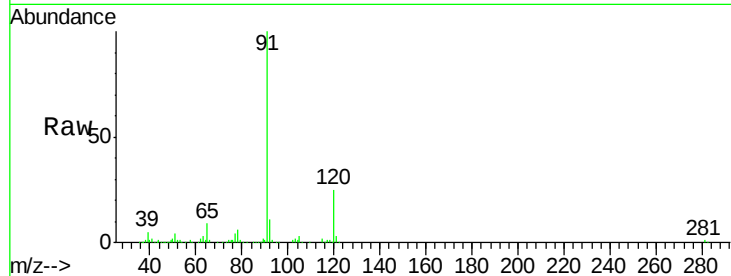
FL-0586

Tot Ion: 91 Resp: 50328

Ion Ratio Lower Upper

91 100

120 24.3 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1669) (-)

11.36

40000

30000

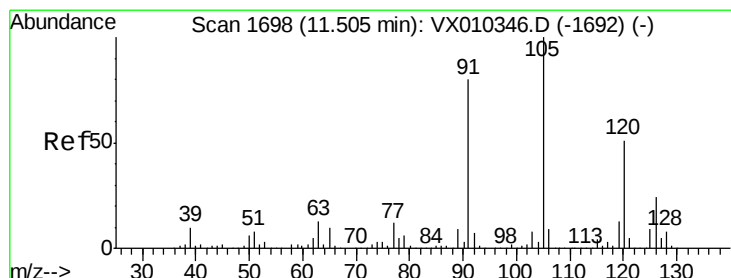
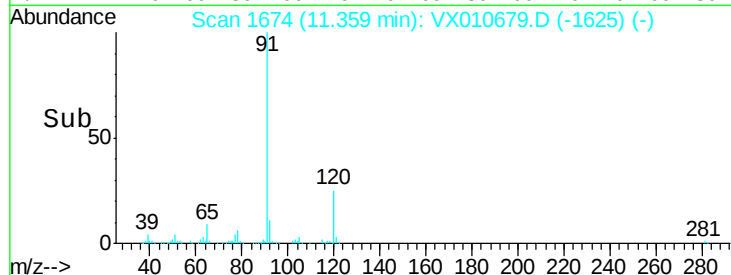
20000

10000

0

11.30 11.35 11.40

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.952 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010679.D

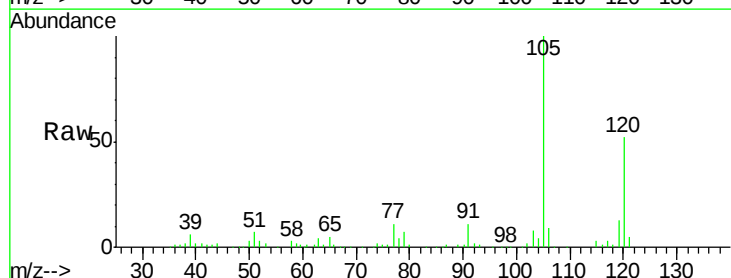
Acq: 04 Jul 2019 09:48

Tgt Ion: 105 Resp: 26504

Ion Ratio Lower Upper

105 100

120 49.6 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)

11.51

25000

20000

15000

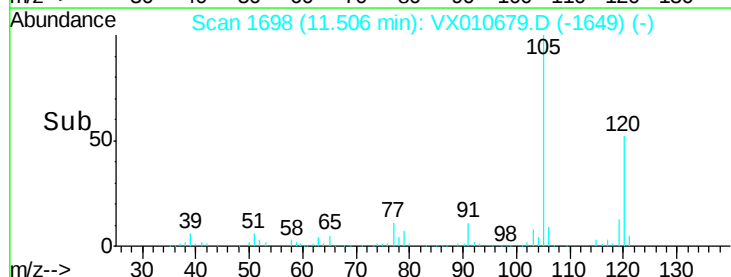
10000

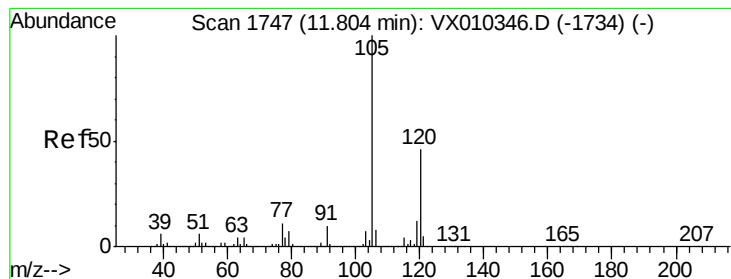
5000

0

11.50 11.55 11.60

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 8.067 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010679.D

Acq: 04 Jul 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

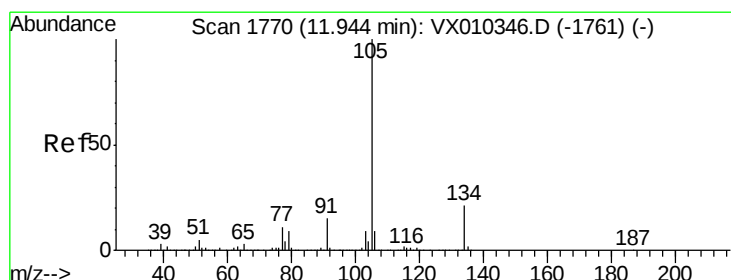
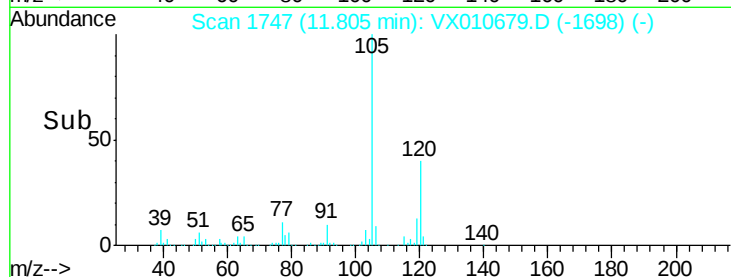
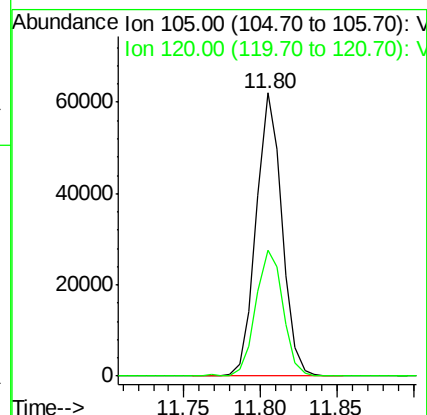
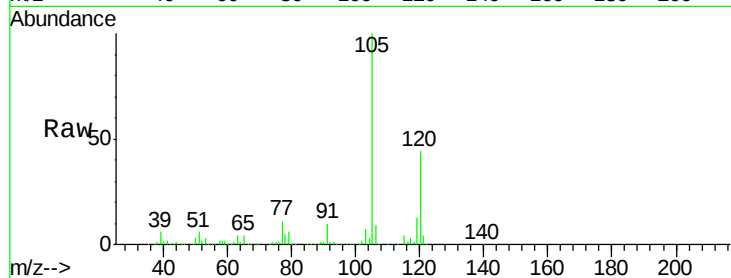
FL-0586

Tot Ion:105 Resp: 72771

Ion Ratio Lower Upper

105 100

120 47.7 23.1 69.2



#85

sec-Butylbenzene

Concen: 2.438 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010679.D

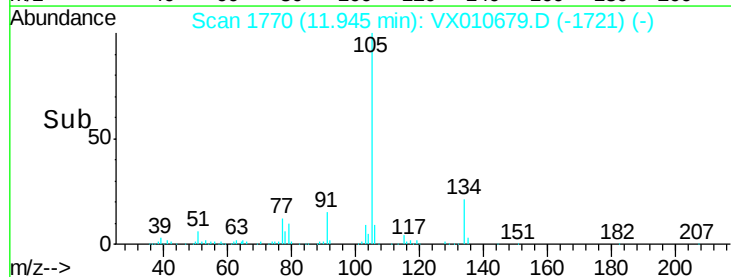
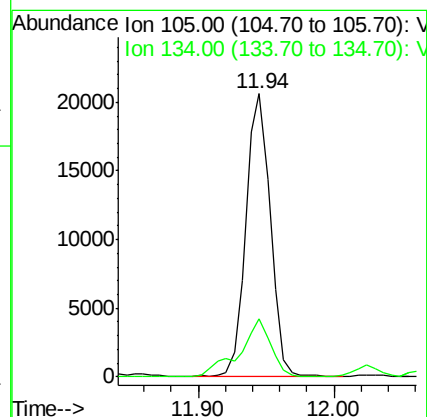
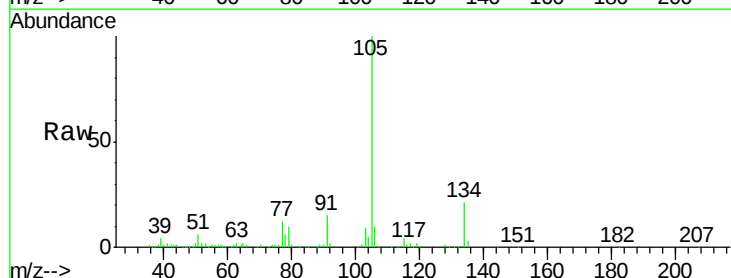
Acq: 04 Jul 2019 09:48

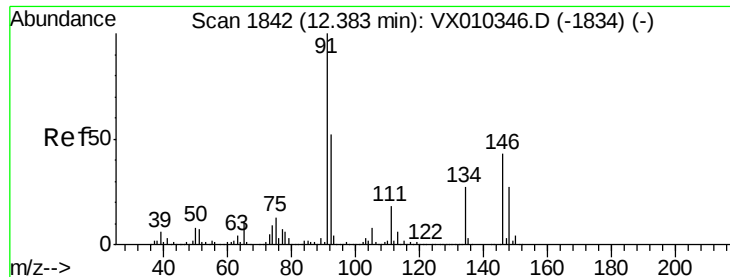
Tgt Ion:105 Resp: 25802

Ion Ratio Lower Upper

105 100

134 26.4 10.7 31.9

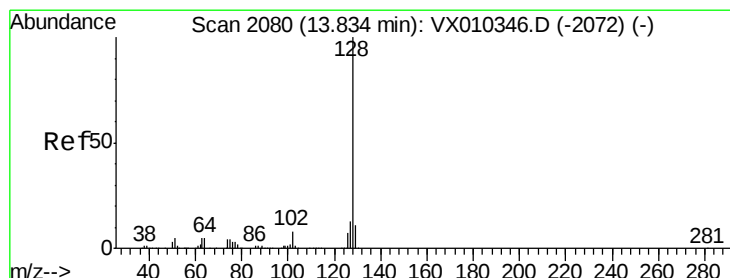
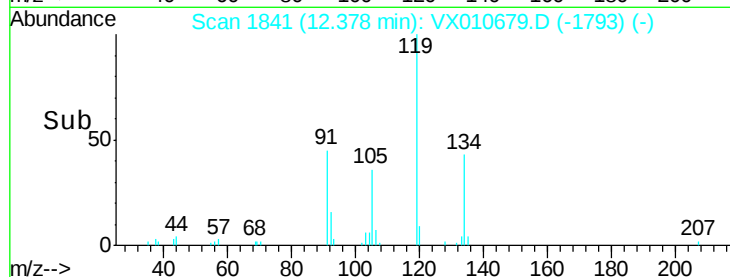
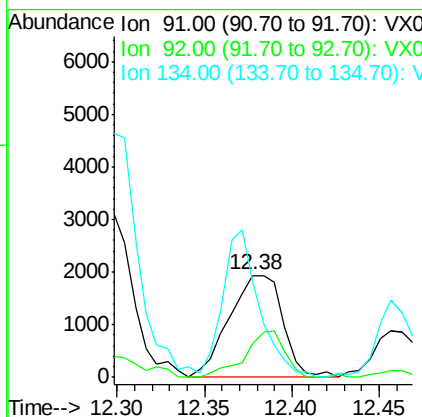
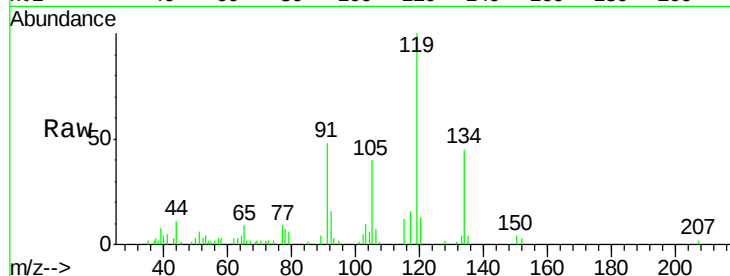




#89
n-Butylbenzene
Concen: 0.497 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX010679.D
Acq: 04 Jul 2019 09:48

Instrument :
MSVOA_X
ClientSampled :
FL-0586

Tot Ion: 91 Resp: 4137
Ion Ratio Lower Upper
91 100
92 33.4 26.2 78.5
134 98.1 14.1 42.4#



#95
Naphthalene
Concen: 0.653 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010679.D
Acq: 04 Jul 2019 09:48

Tgt Ion: 128 Resp: 7347
Ion Ratio Lower Upper
128 100
127 15.2 10.2 15.4
129 15.9 8.9 13.3#

