

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
 Data File : VX010914.D
 Acq On : 16 Jul 2019 18:15
 Operator : JC/SP
 Sample : K3791-11DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0602DL

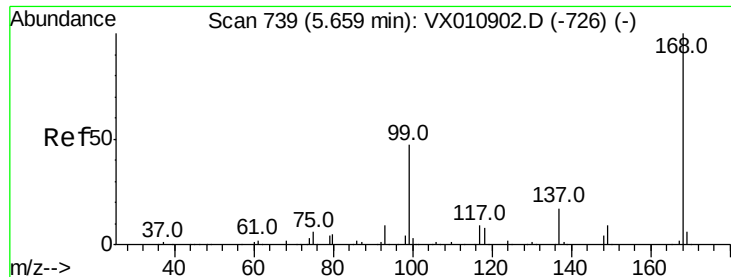
Quant Time: Jul 17 05:23:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:37:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	212163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	331795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155062	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	110094	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
35) Dibromofluoromethane	5.49	113	101290	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	8.71	98	399729	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.13	95	143746	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	56758	18.520	ug/l	98
39) Methylcyclohexane	7.46	83	79373	22.458	ug/l	99
67) Ethyl Benzene	10.25	91	20747	1.906	ug/l	99
68) m/p-Xylenes	10.36	106	34052	8.156	ug/l	96
69) o-Xylene	10.69	106	7468	1.833	ug/l	85
73) Isopropylbenzene	11.02	105	67819	6.473	ug/l	100
78) n-propylbenzene	11.36	91	106892	9.233	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	173682	19.838	ug/l	99
83) tert-Butylbenzene	11.77	119	3300	0.384	ug/l	75
84) 1,2,4-Trimethylbenzene	11.80	105	499217	56.574	ug/l	99
85) sec-Butylbenzene	11.94	105	24269	2.408	ug/l	81
86) p-Isopropyltoluene	12.06	119	19584	2.102	ug/l	95
89) n-Butylbenzene	12.38	91	17946	2.252	ug/l #	18
95) Naphthalene	13.83	128	60216	6.053	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010914.D

Acq: 16 Jul 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

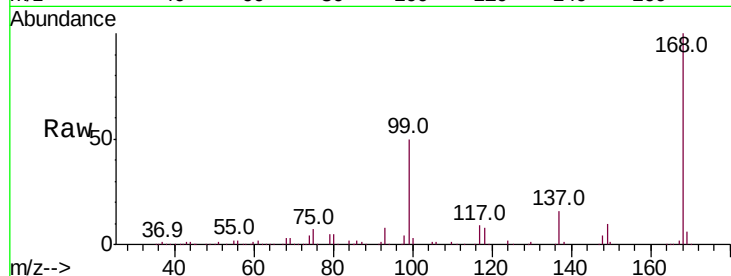
FL-0602DL

Tot Ion:168 Resp: 212163

Ion Ratio Lower Upper

168 100

99 49.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

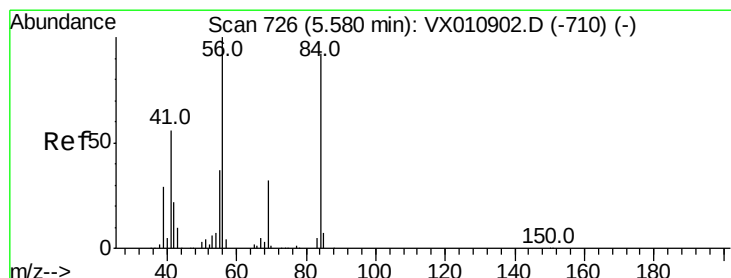
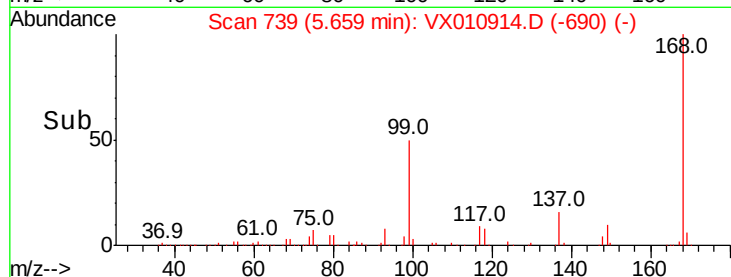
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 18.520 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010914.D

Acq: 16 Jul 2019 18:15

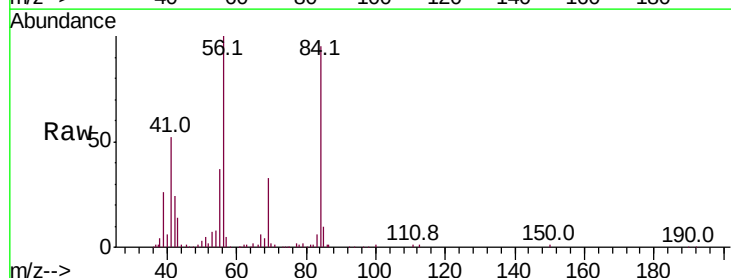
Tgt Ion: 56 Resp: 56758

Ion Ratio Lower Upper

56 100

69 31.9 25.8 38.8

84 94.6 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

30000

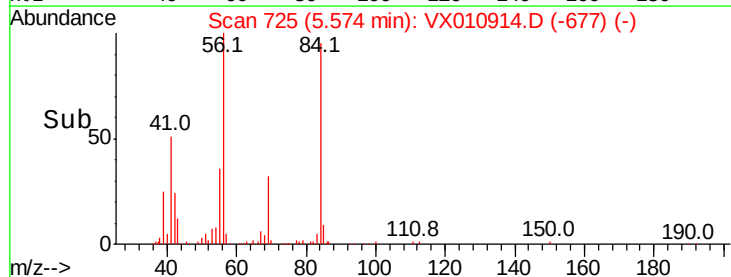
20000

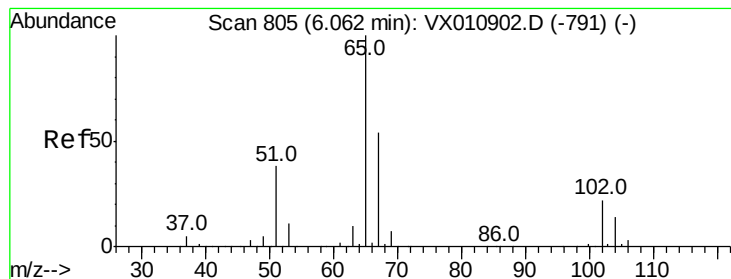
10000

0

Time-->

5.50 5.60 5.70





#33

1,2-Dichloroethane-d4

Concen: 48.777 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010914.D

Acq: 16 Jul 2019 18:15

Instrument :

MSVOA_X

ClientSampleID :

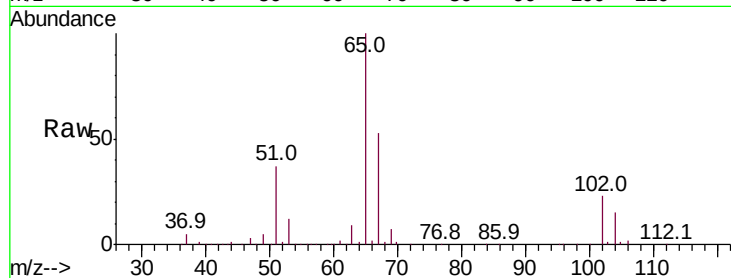
FL-0602DL

Tot Ion: 65 Resp: 110094

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.8

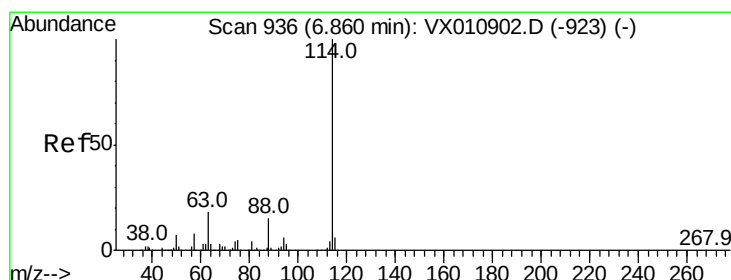
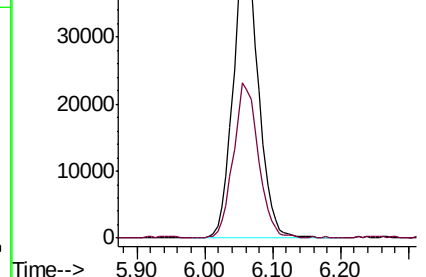
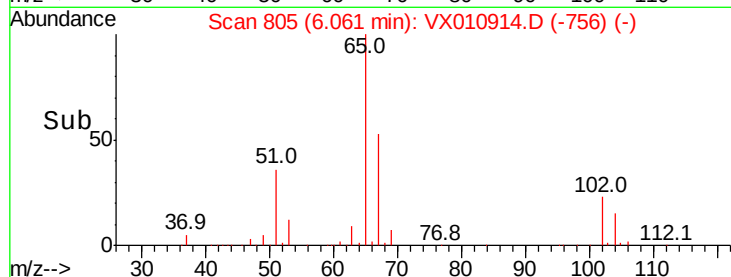


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010914.D

Acq: 16 Jul 2019 18:15

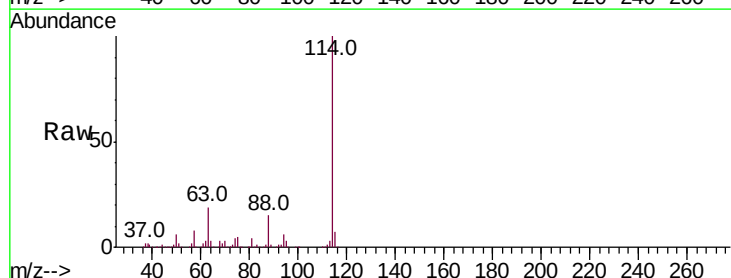
Tgt Ion: 114 Resp: 331795

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.6

88 15.3 0.0 29.8



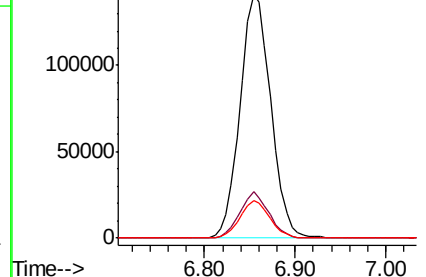
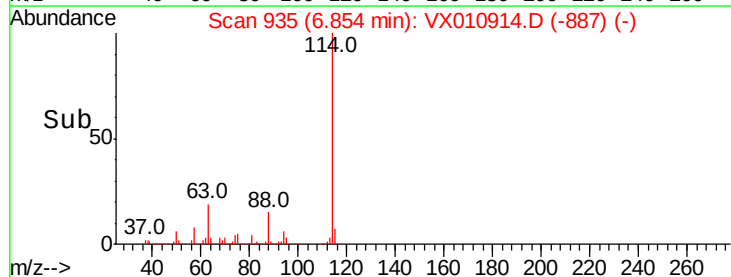
Abundance Ion 113.90 (113.60 to 114.60): V

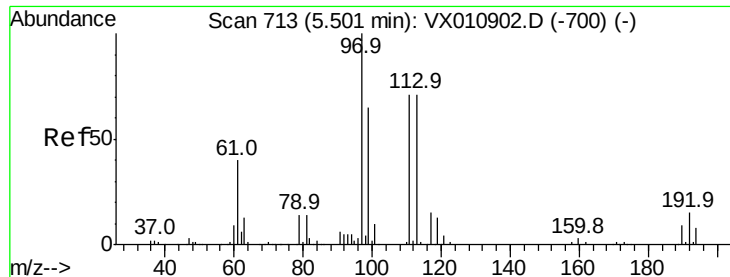
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

Time-->





#35

Dibromofluoromethane

Concen: 48.097 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010914.D

Acq: 16 Jul 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

FL-0602DL

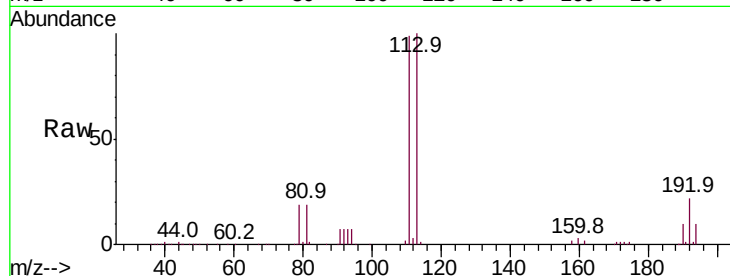
Tot Ion:113 Resp: 101290

Ion Ratio Lower Upper

113 100

111 100.5 82.3 123.5

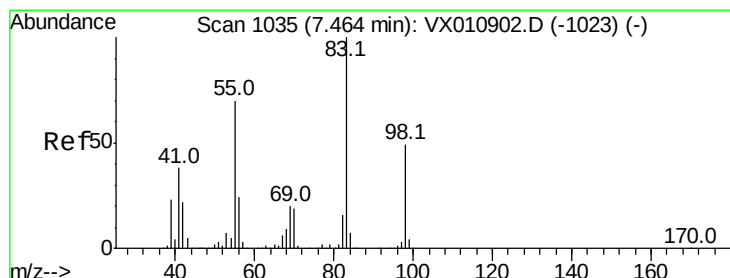
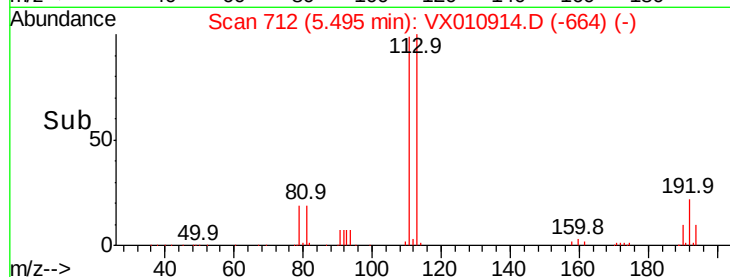
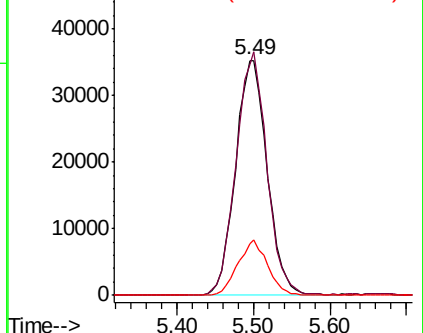
192 22.2 17.4 26.2



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: 22.458 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX010914.D

Acq: 16 Jul 2019 18:15

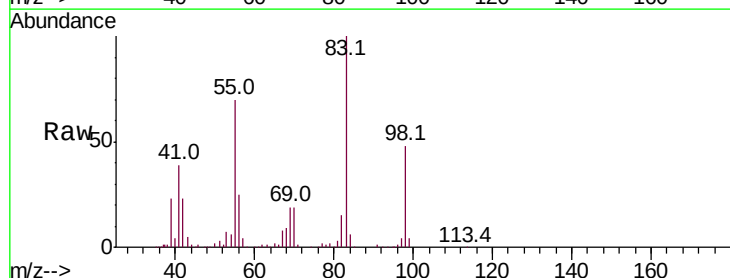
Tgt Ion: 83 Resp: 79373

Ion Ratio Lower Upper

83 100

55 69.6 56.2 84.4

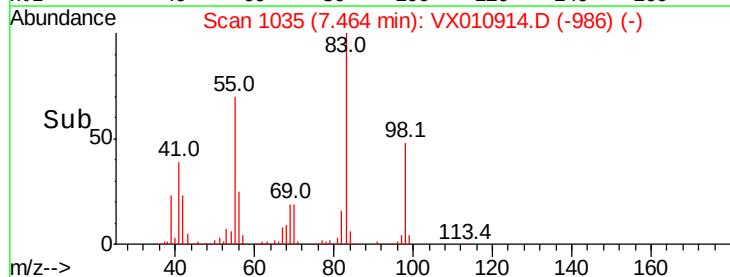
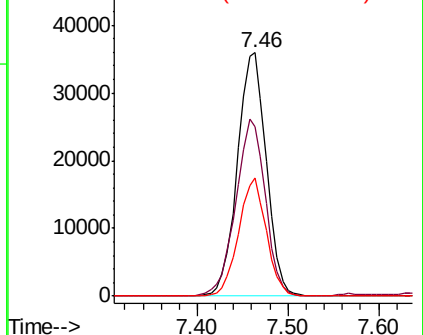
98 48.3 39.0 58.4

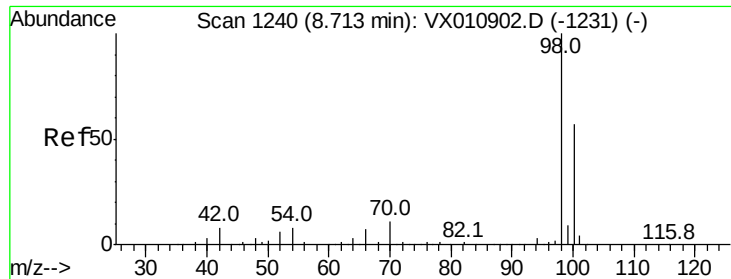


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

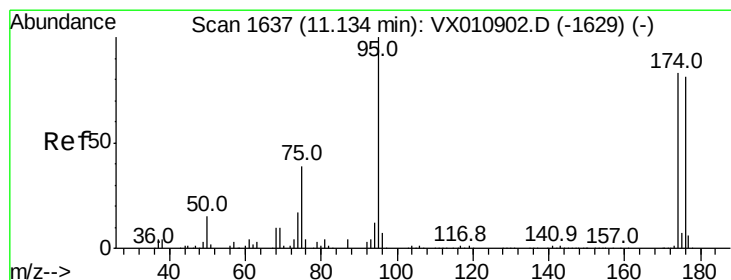
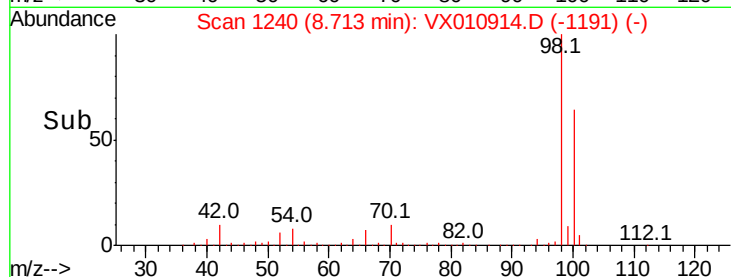
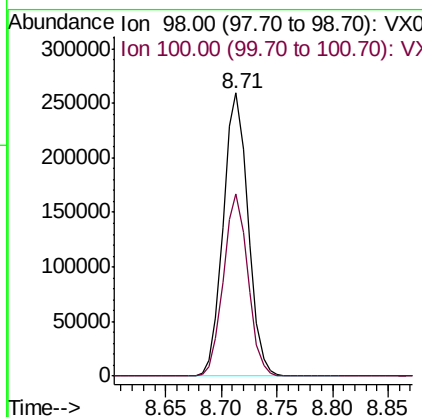
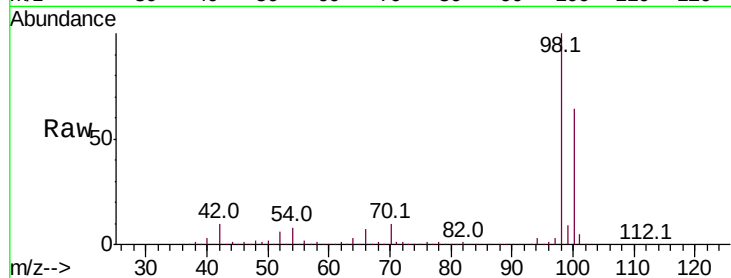




#50
Toluene-d8
Concen: 50.607 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010914.D
Acq: 16 Jul 2019 18:15

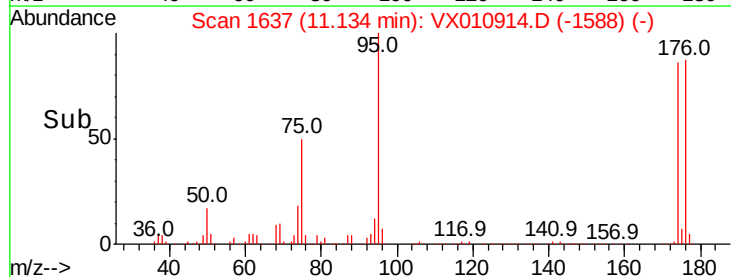
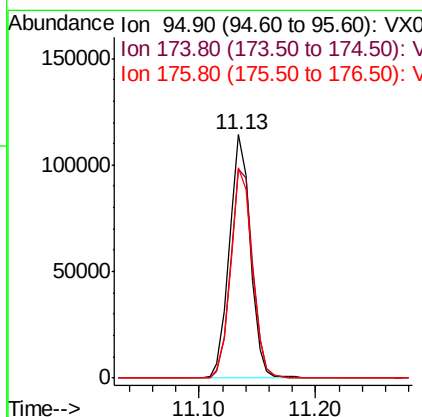
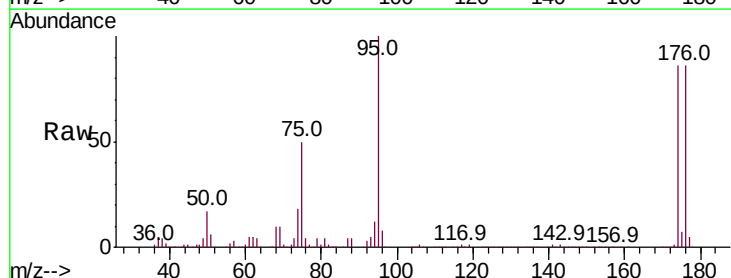
Instrument :
MSVOA_X
ClientSampleId :
FL-0602DL

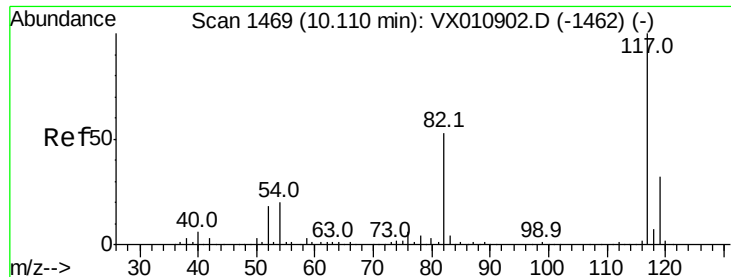
Tot Ion: 98 Resp: 399729
Ion Ratio Lower Upper
98 100
100 63.5 50.6 75.8



#62
4-Bromofluorobenzene
Concen: 49.511 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010914.D
Acq: 16 Jul 2019 18:15

Tgt Ion: 95 Resp: 143746
Ion Ratio Lower Upper
95 100
174 90.2 0.0 180.6
176 88.2 0.0 173.8

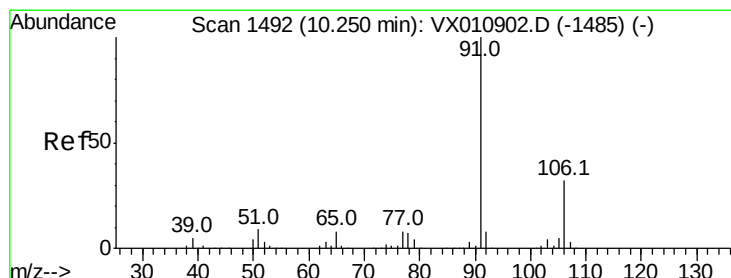
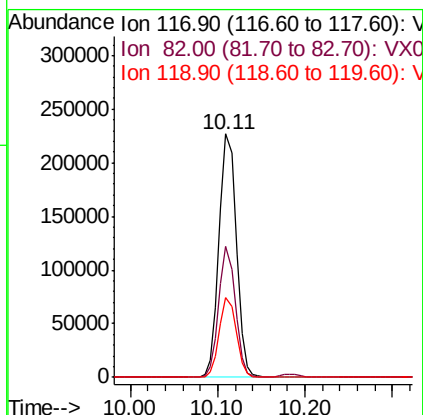
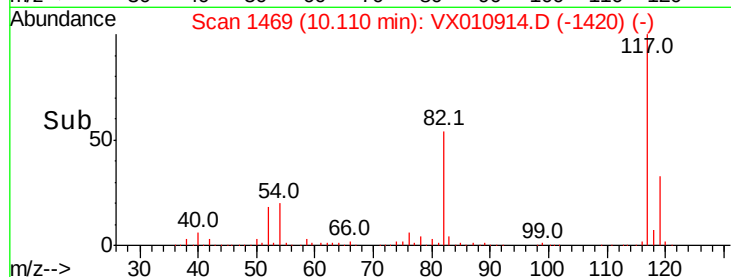
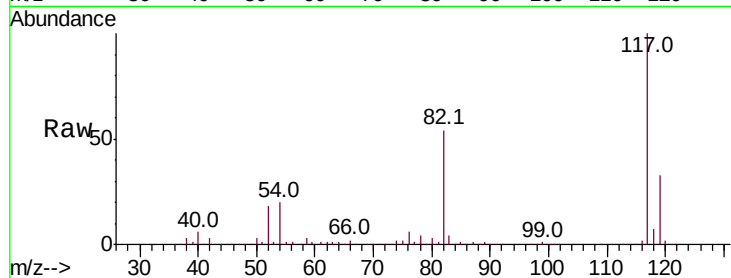




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010914.D
Acq: 16 Jul 2019 18:15

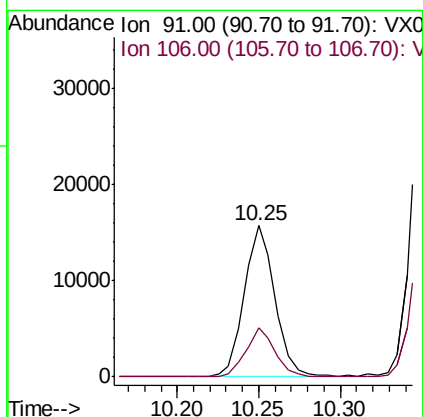
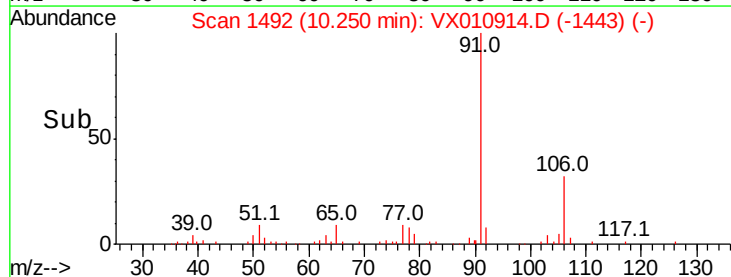
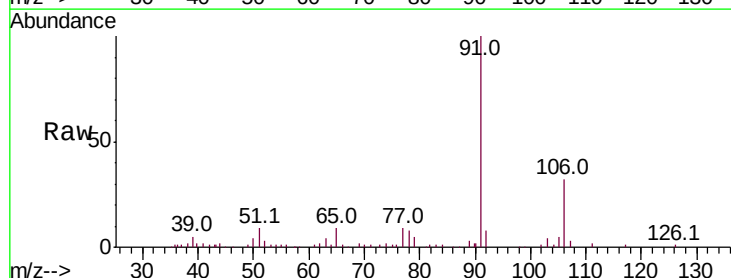
Instrument :
MSVOA_X
ClientSampled :
FL-0602DL

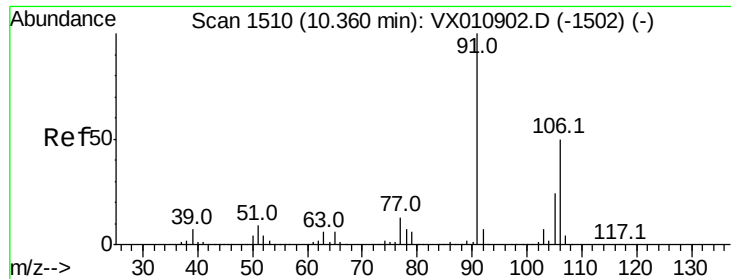
Tot Ion:117 Resp: 311342
Ion Ratio Lower Upper
117 100
82 53.9 42.6 63.8
119 32.7 25.9 38.9



#67
Ethyl Benzene
Concen: 1.906 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010914.D
Acq: 16 Jul 2019 18:15

Tgt Ion: 91 Resp: 20747
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.2

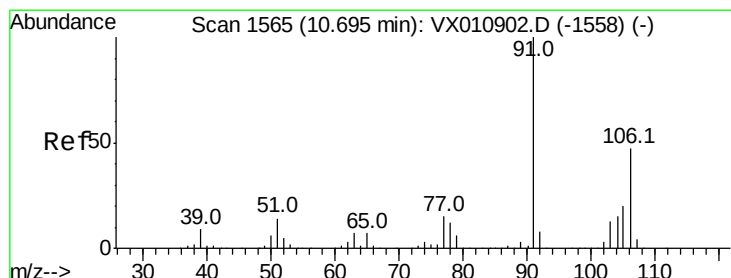
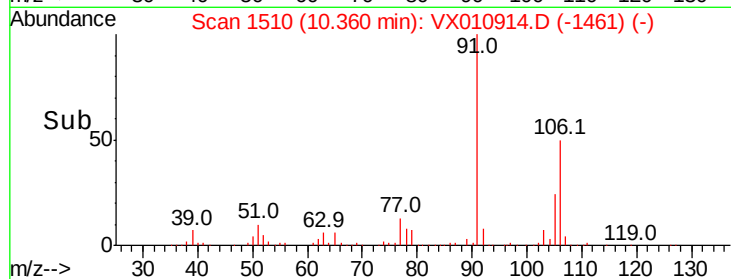
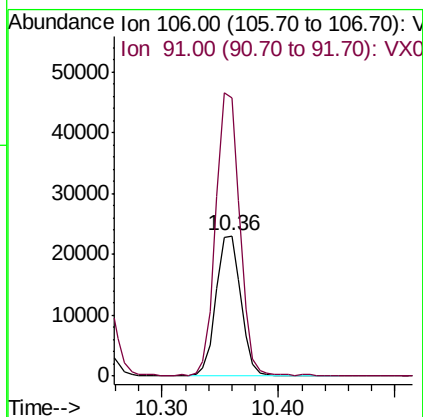
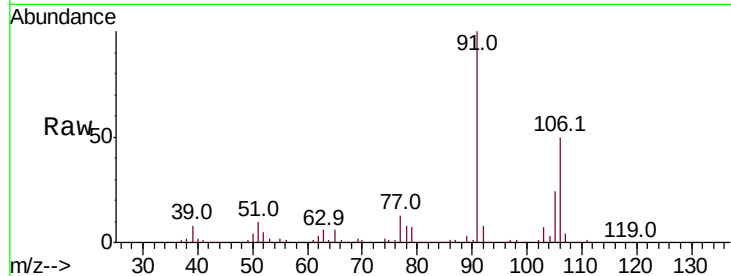




#68
m/p-Xylenes
Concen: 8.156 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010914.D
Acq: 16 Jul 2019 18:15

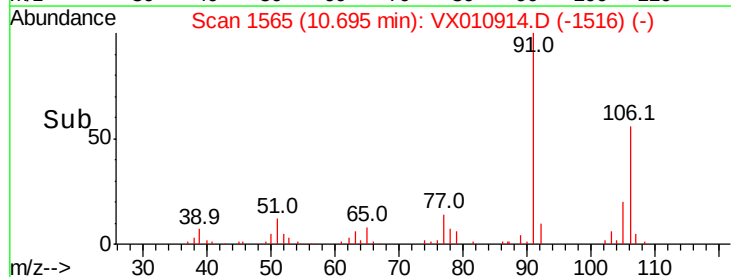
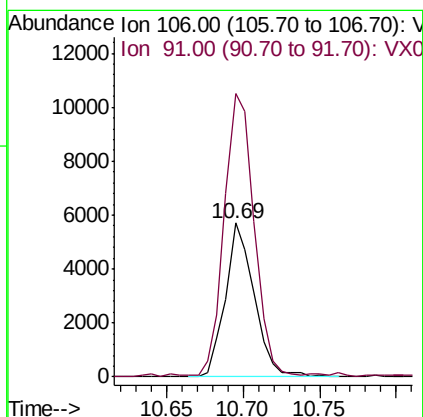
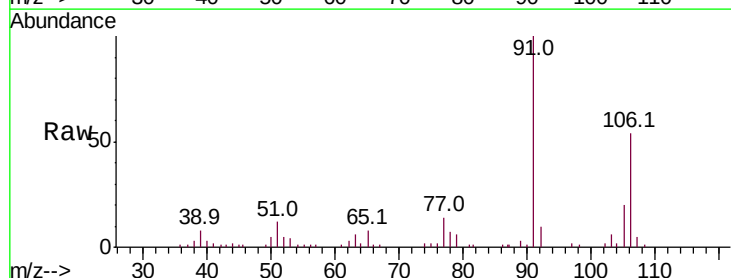
Instrument :
MSVOA_X
ClientSampled :
FL-0602DL

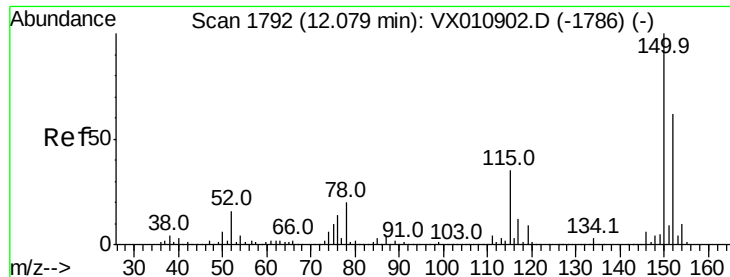
Tot Ion:106 Resp: 34052
Ion Ratio Lower Upper
106 100
91 193.3 160.1 240.1



#69
o-Xylene
Concen: 1.833 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010914.D
Acq: 16 Jul 2019 18:15

Tgt Ion:106 Resp: 7468
Ion Ratio Lower Upper
106 100
91 187.5 105.1 315.3



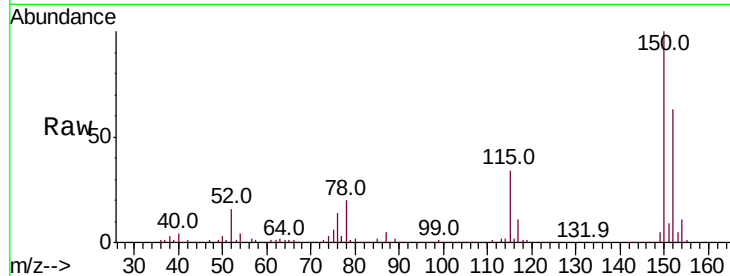


#72

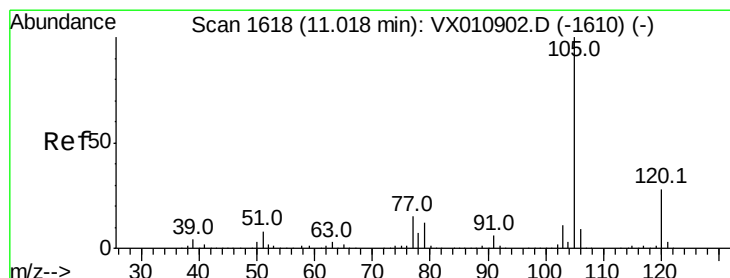
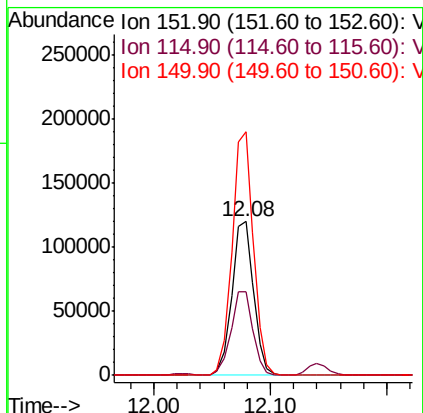
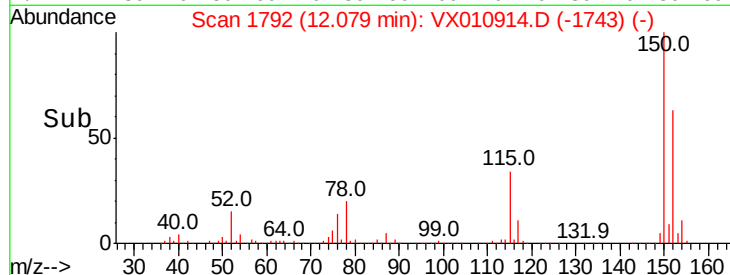
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010914.D
Acq: 16 Jul 2019 18:15

Instrument :
MSVOA_X
ClientSampled :
FL-0602DL

Tot Ion:152 Resp: 155062
Ion Ratio Lower Upper
152 100
115 55.4 39.7 119.1
150 156.0 0.0 345.6



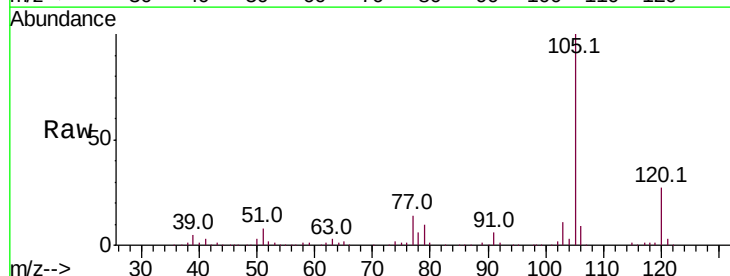
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



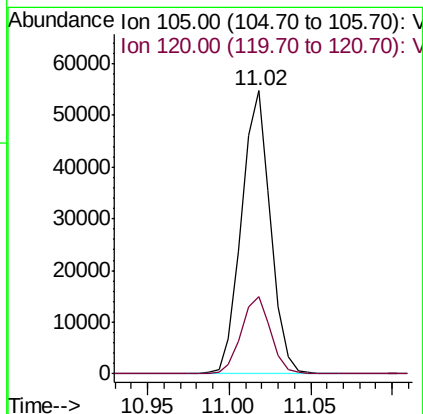
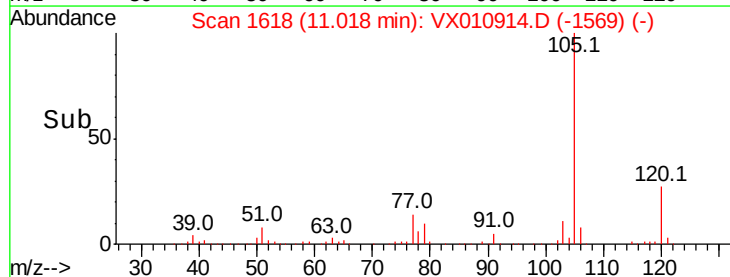
#73

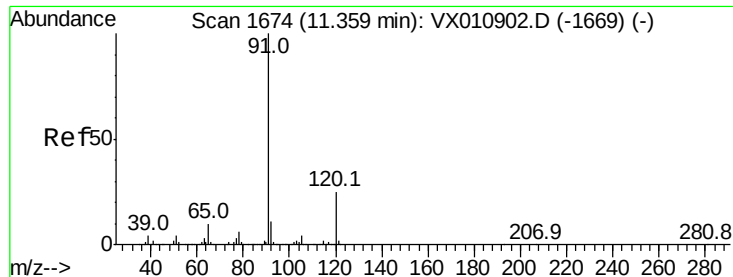
Isopropylbenzene
Concen: 6.473 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010914.D
Acq: 16 Jul 2019 18:15

Tgt Ion:105 Resp: 67819
Ion Ratio Lower Upper
105 100
120 27.4 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 9.233 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010914.D

Acq: 16 Jul 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

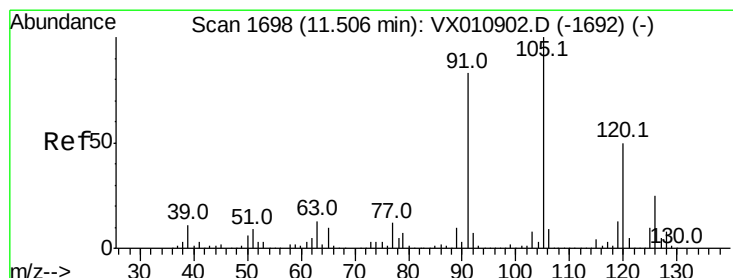
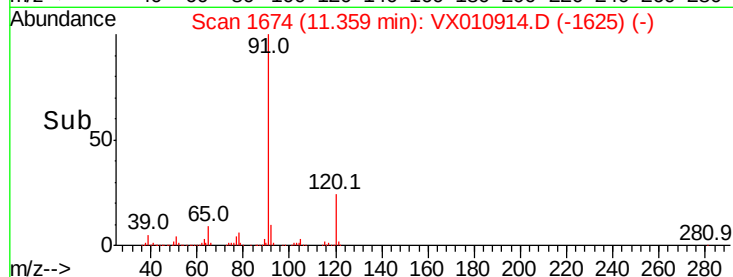
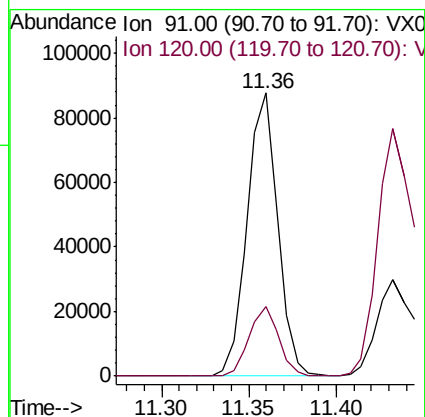
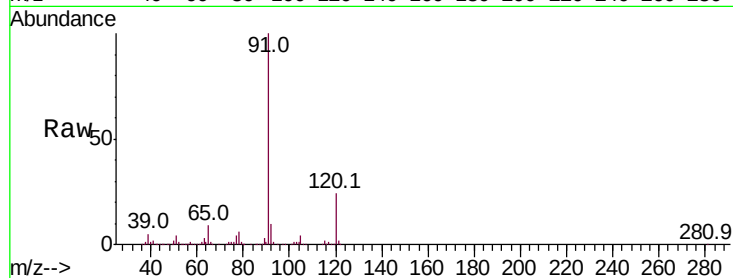
FL-0602DL

Tot Ion: 91 Resp: 106892

Ion Ratio Lower Upper

91 100

120 23.7 12.3 36.8



#80

1,3,5-Trimethylbenzene

Concen: 19.838 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010914.D

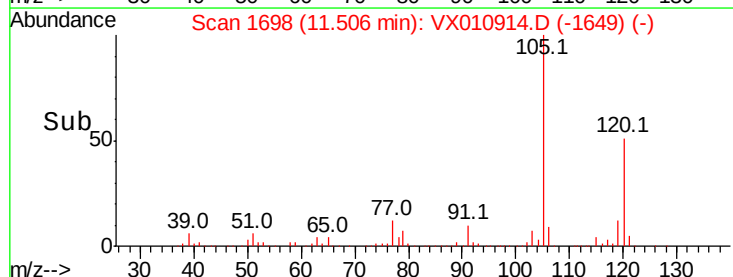
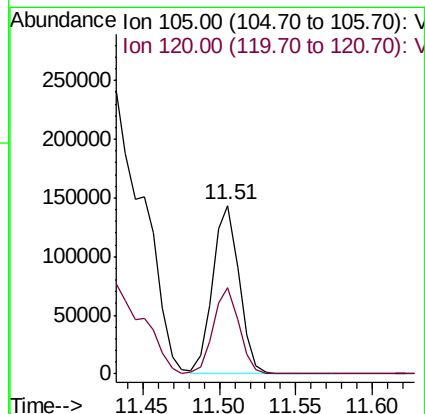
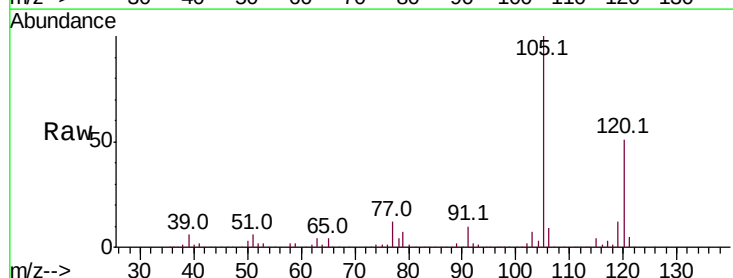
Acq: 16 Jul 2019 18:15

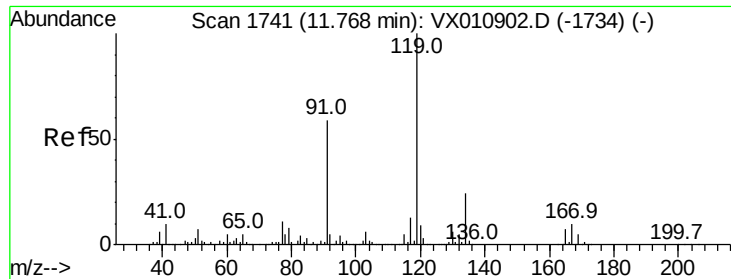
Tgt Ion: 105 Resp: 173682

Ion Ratio Lower Upper

105 100

120 49.7 24.6 73.8





#83

tert-Butylbenzene

Concen: 0.384 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010914.D

Acq: 16 Jul 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

FL-0602DL

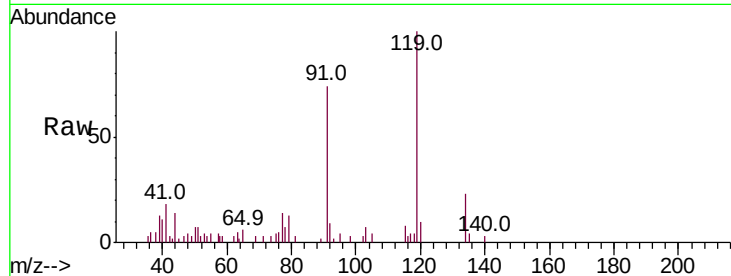
Tot Ion:119 Resp: 3300

Ion Ratio Lower Upper

119 100

91 78.6 28.6 85.8

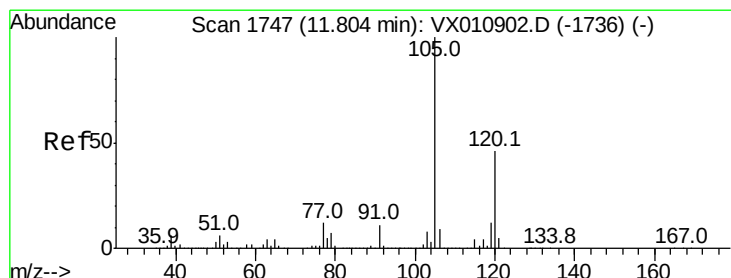
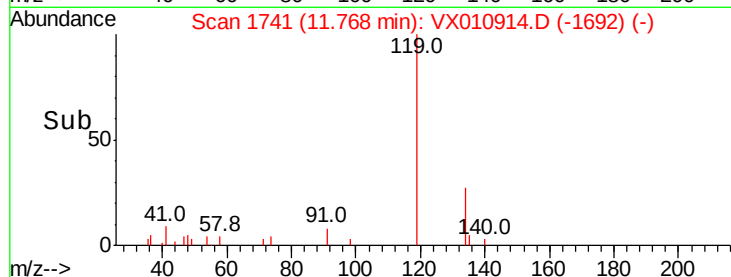
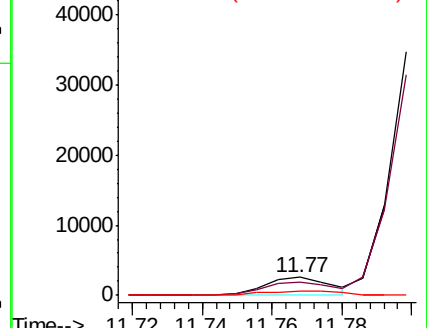
134 30.5 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.574 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX010914.D

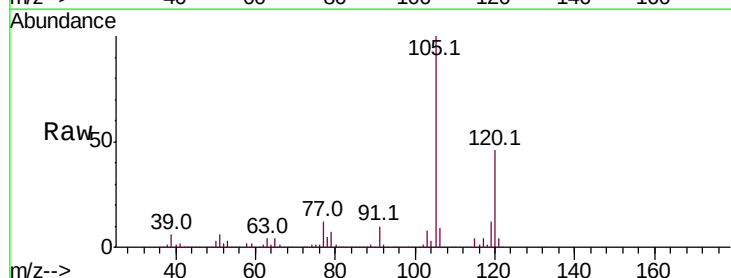
Acq: 16 Jul 2019 18:15

Tgt Ion:105 Resp: 499217

Ion Ratio Lower Upper

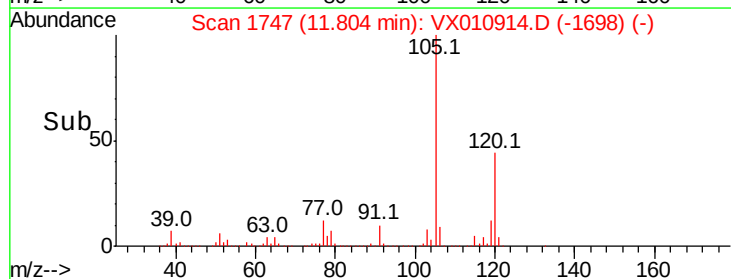
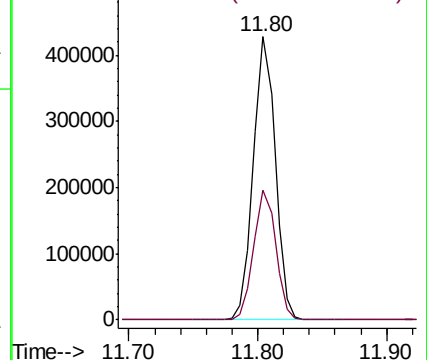
105 100

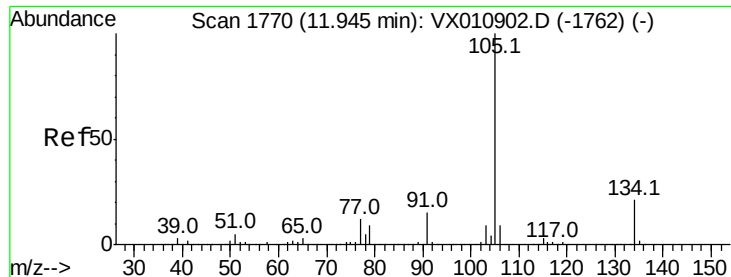
120 46.5 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

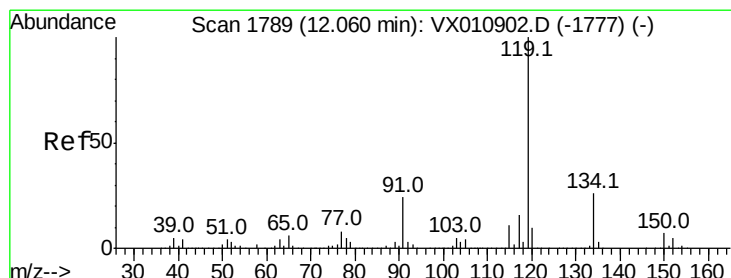
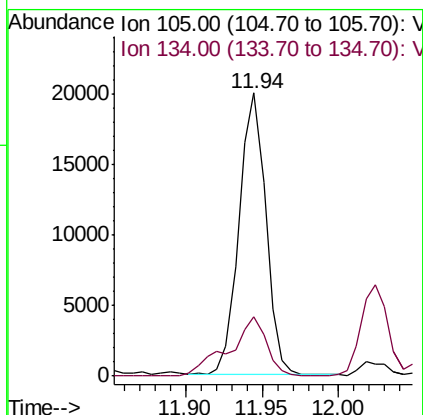
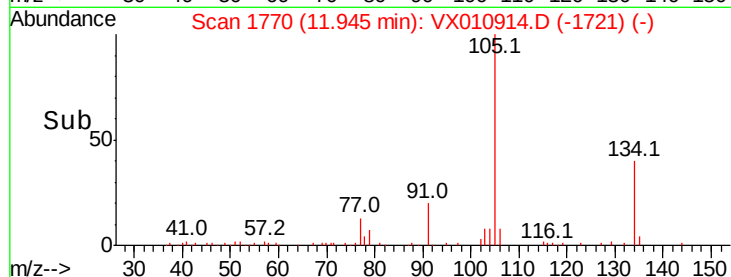
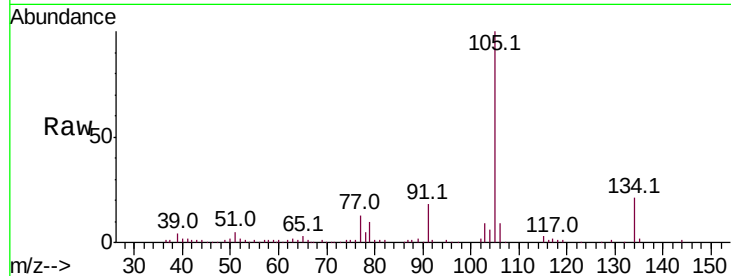




#85
 sec-Butylbenzene
 Concen: 2.408 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX010914.D
 Acq: 16 Jul 2019 18:15

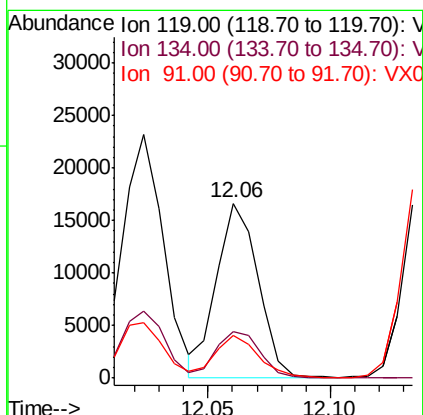
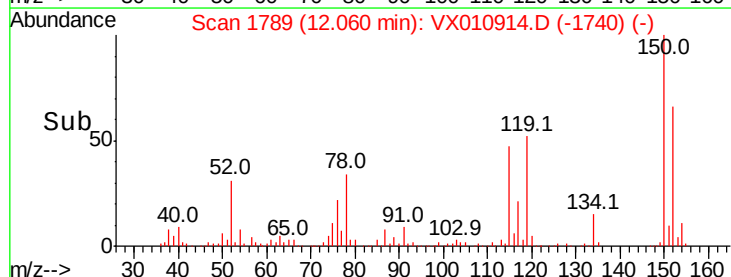
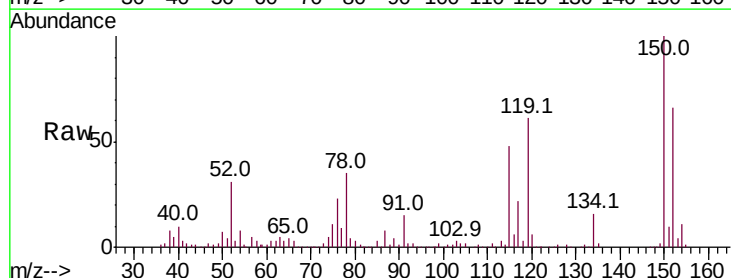
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0602DL

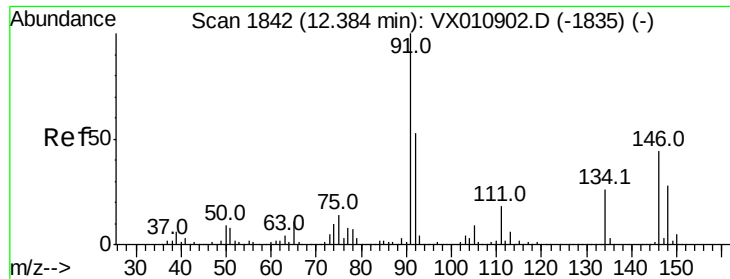
Tot Ion:105 Resp: 24269
 Ion Ratio Lower Upper
 105 100
 134 29.7 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 2.102 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX010914.D
 Acq: 16 Jul 2019 18:15

Tgt Ion:119 Resp: 19584
 Ion Ratio Lower Upper
 119 100
 134 29.0 13.4 40.1
 91 25.9 11.8 35.4

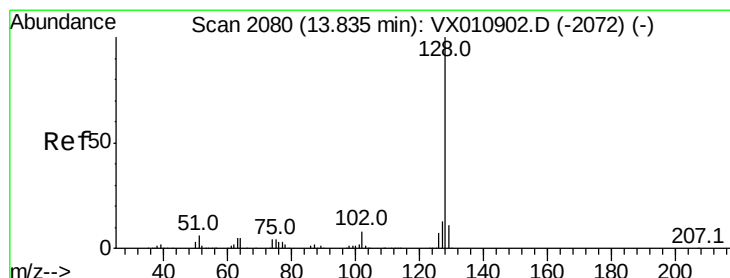
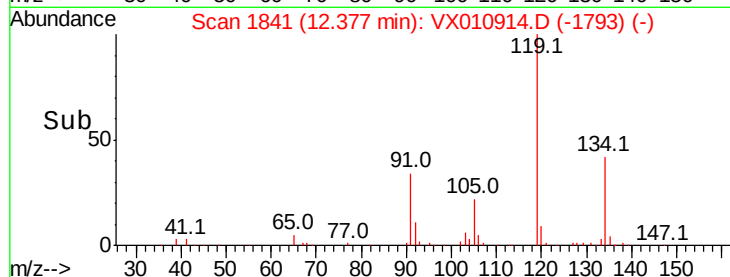
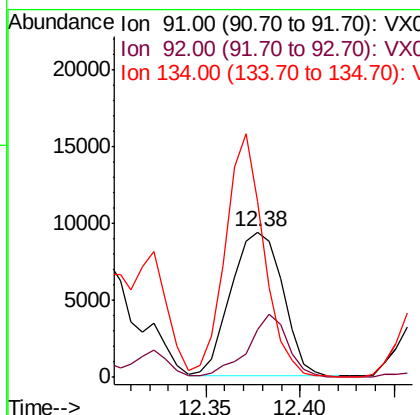
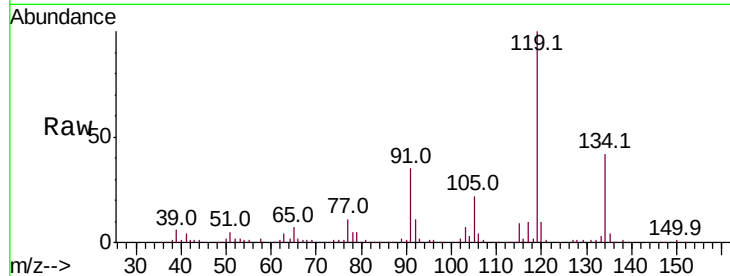




#89
n-Butylbenzene
Concen: 2.252 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX010914.D
Acq: 16 Jul 2019 18:15

Instrument :
MSVOA_X
ClientSampled :
FL-0602DL

Tot Ion: 91 Resp: 17946
Ion Ratio Lower Upper
91 100
92 33.6 26.2 78.5
134 125.2 13.8 41.3#



#95
Naphthalene
Concen: 6.053 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010914.D
Acq: 16 Jul 2019 18:15

Tgt Ion: 128 Resp: 60216
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 12.5 8.9 13.3

