

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071719\
 Data File : VX010931.D
 Acq On : 17 Jul 2019 13:23
 Operator : JC/SP
 Sample : K3791-16DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0610DL

Quant Time: Jul 18 03:33:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	230214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360511	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	163119	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	120024	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
35) Dibromofluoromethane	5.50	113	110724	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
50) Toluene-d8	8.71	98	436623	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	11.13	95	154153	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	

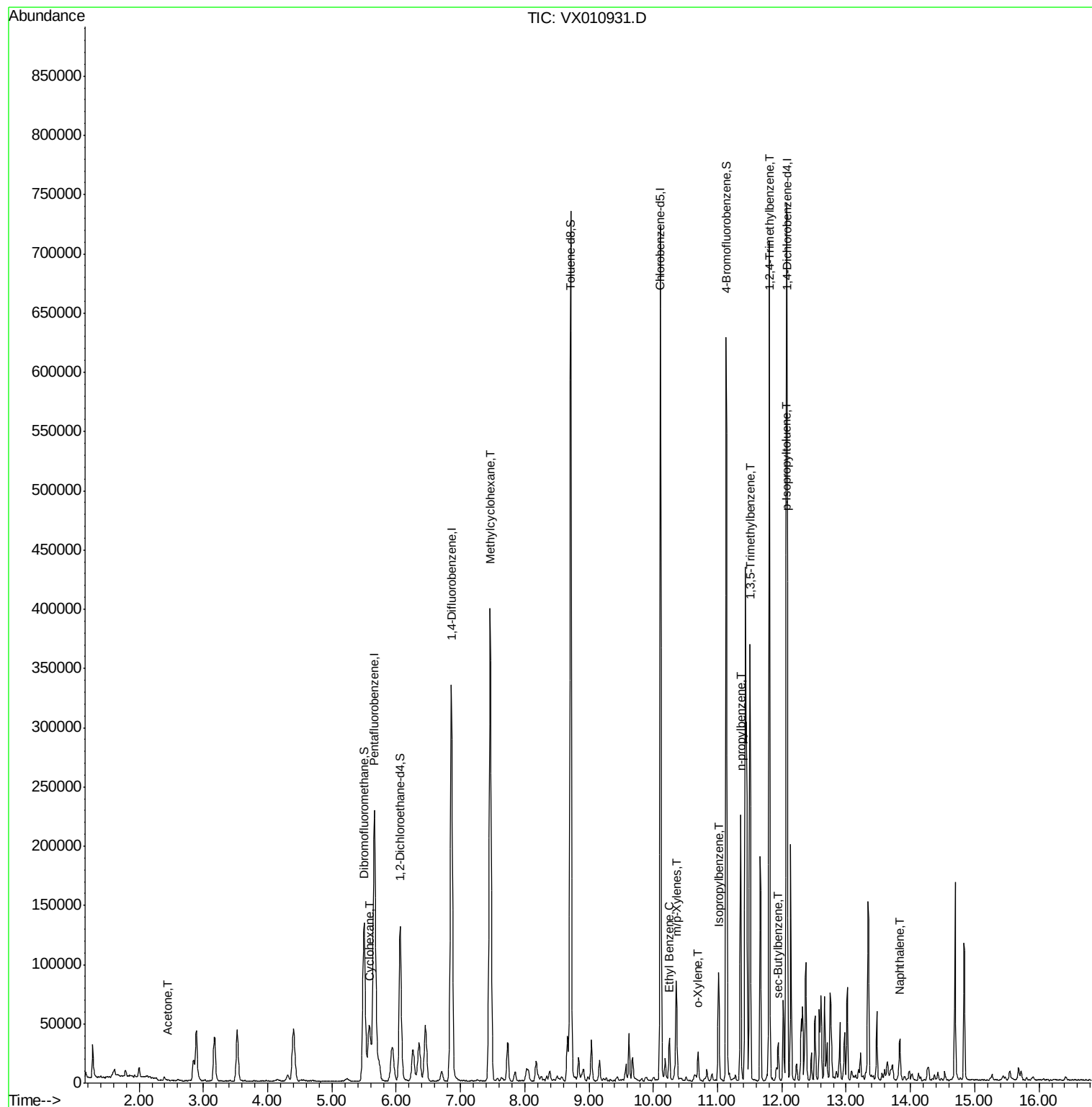
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	1180	1.067	ug/l	98
31) Cyclohexane	5.58	56	32979	9.917	ug/l	97
39) Methylcyclohexane	7.46	83	187224	48.754	ug/l	97
67) Ethyl Benzene	10.25	91	21281	1.830	ug/l	98
68) m/p-Xylenes	10.36	106	19817	4.442	ug/l	98
69) o-Xylene	10.69	106	5285	1.214	ug/l	97
73) Isopropylbenzene	11.02	105	49057	4.451	ug/l	99
78) n-propylbenzene	11.36	91	137936	11.326	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	159927	17.365	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	294022	31.674	ug/l	98
85) sec-Butylbenzene	11.94	105	16067	1.516	ug/l	83
86) p-Isopropyltoluene	12.06	119	16417	1.675	ug/l	94
95) Naphthalene	13.83	128	21648	2.069	ug/l	98

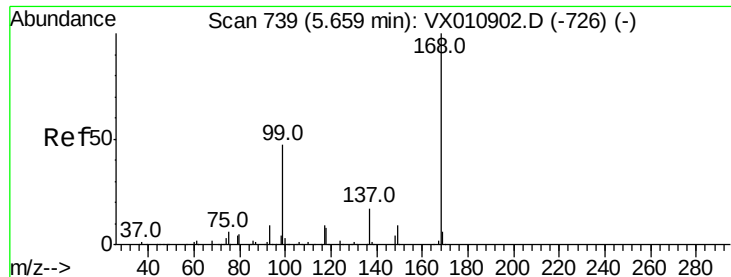
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 18 03:33:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010931.D

Acq: 17 Jul 2019 13:23

Instrument :

MSVOA_X

ClientSampled :

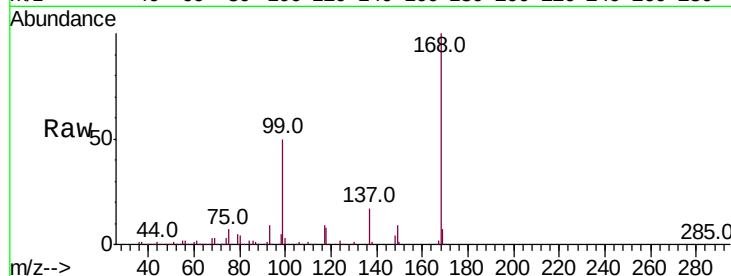
FL-0610DL

Tot Ion:168 Resp: 230214

Ion Ratio Lower Upper

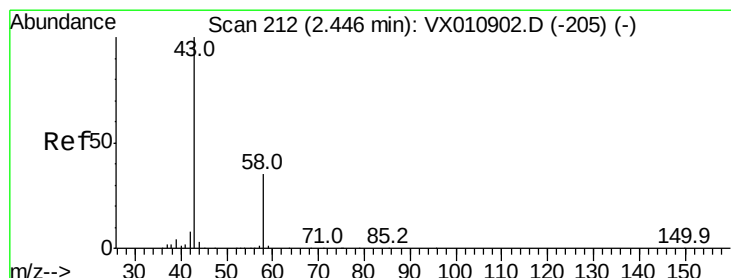
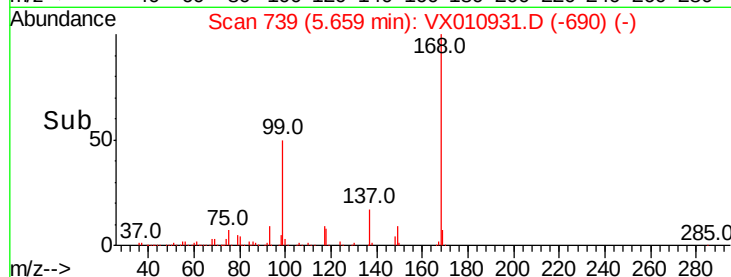
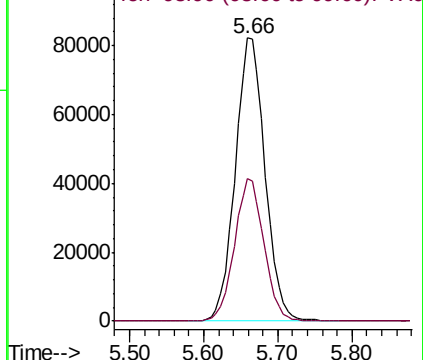
168 100

99 50.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 1.067 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010931.D

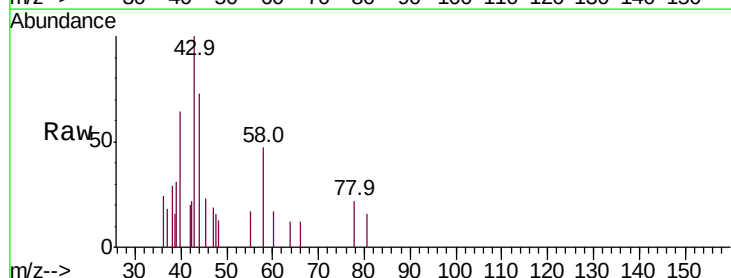
Acq: 17 Jul 2019 13:23

Tgt Ion: 43 Resp: 1180

Ion Ratio Lower Upper

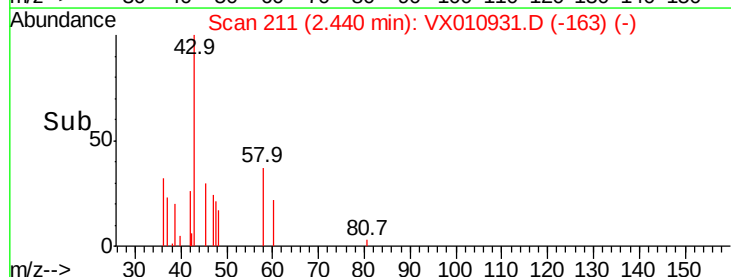
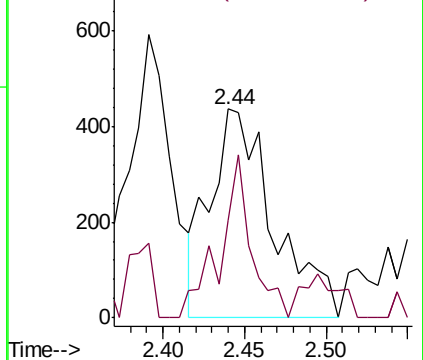
43 100

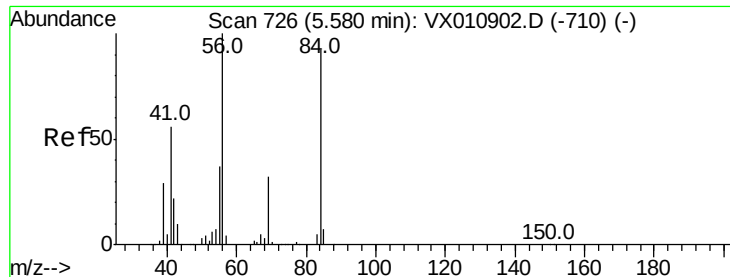
58 33.6 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

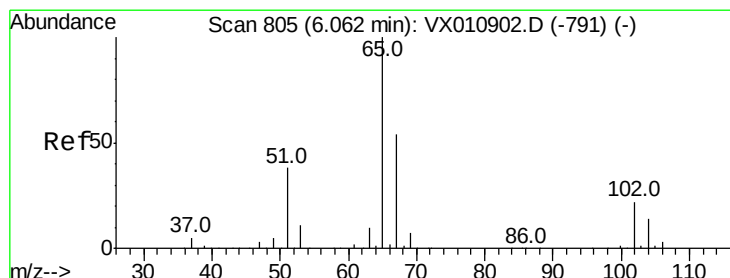
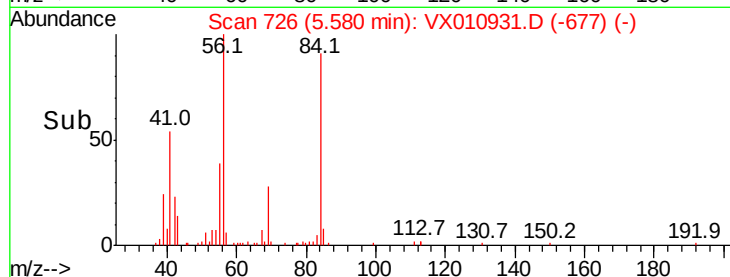
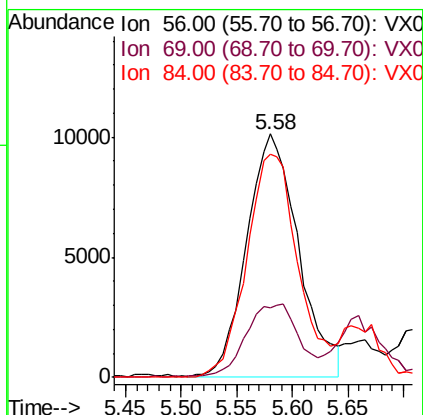
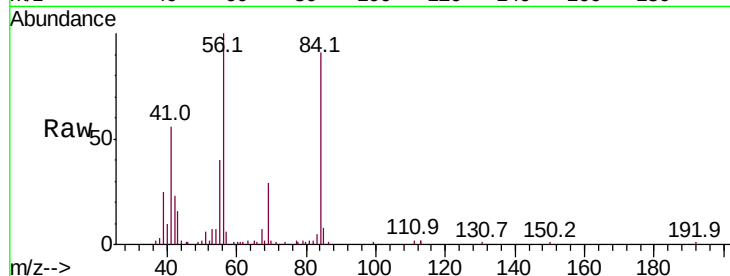




#31
Cyclohexane
Concen: 9.917 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010931.D
Acq: 17 Jul 2019 13:23

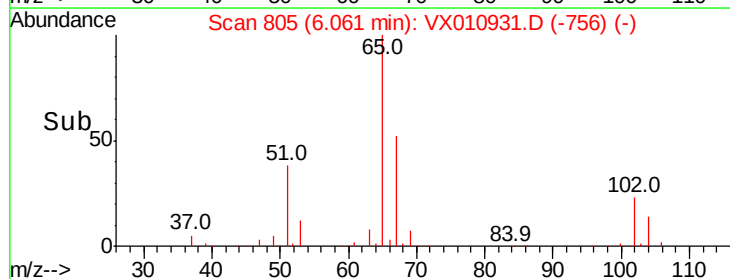
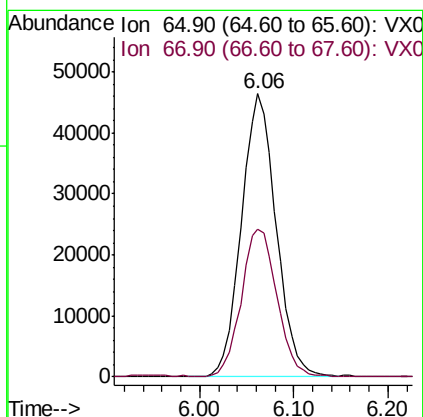
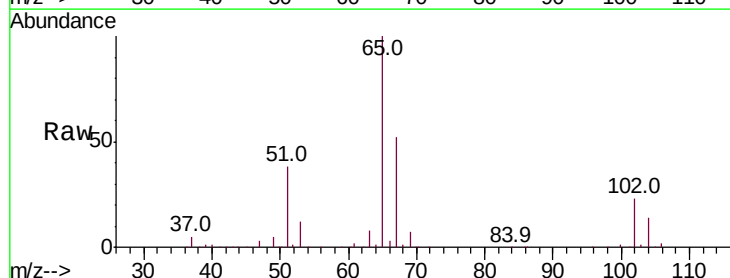
Instrument :
MSVOA_X
ClientSampled :
FL-0610DL

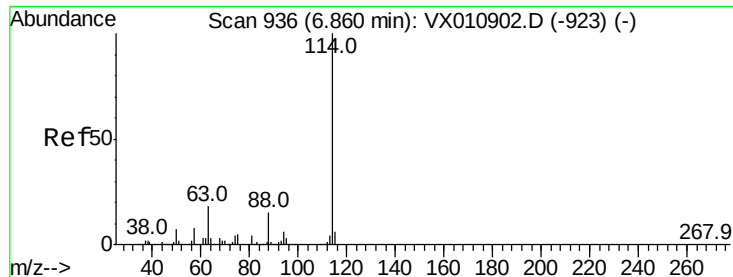
Tot Ion: 56 Resp: 32979
Ion Ratio Lower Upper
56 100
69 28.2 25.8 38.8
84 91.4 73.8 110.6



#33
1,2-Dichloroethane-d4
Concen: 49.007 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX010931.D
Acq: 17 Jul 2019 13:23

Tgt Ion: 65 Resp: 120024
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.8

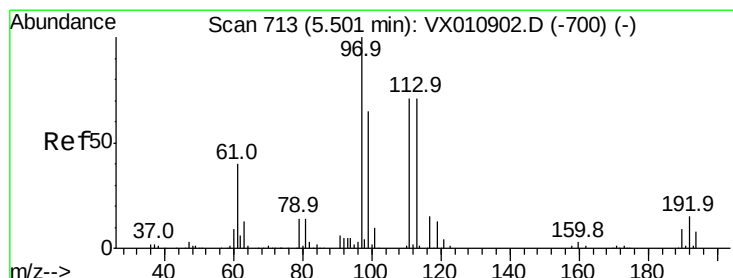
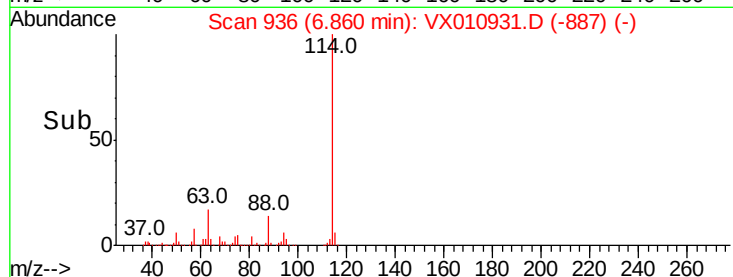
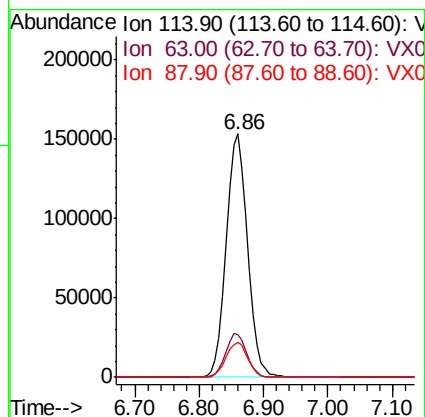
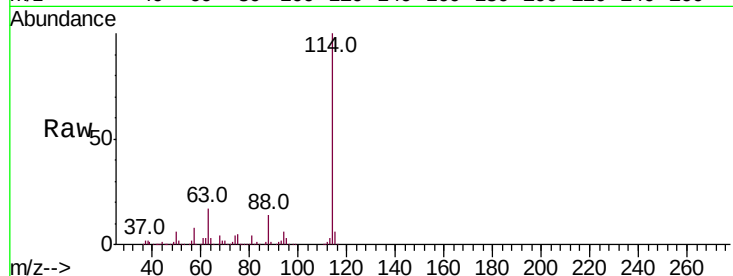




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX010931.D
Acq: 17 Jul 2019 13:23

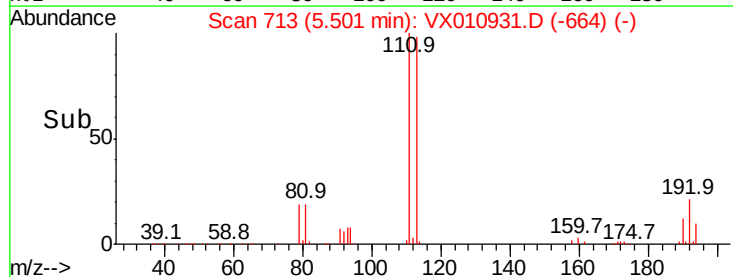
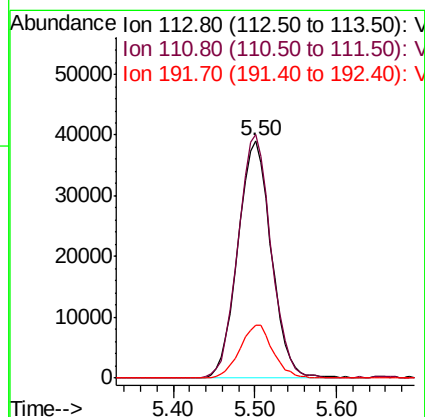
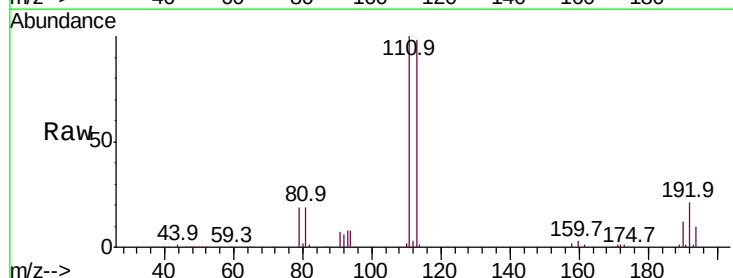
Instrument :
MSVOA_X
ClientSampleId :
FL-0610DL

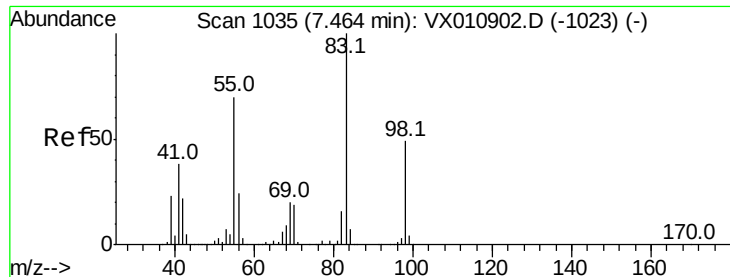
Tot Ion:114 Resp: 360511
Ion Ratio Lower Upper
114 100
63 17.3 0.0 35.6
88 14.2 0.0 29.8



#35
Dibromofluoromethane
Concen: 48.388 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010931.D
Acq: 17 Jul 2019 13:23

Tgt Ion:113 Resp: 110724
Ion Ratio Lower Upper
113 100
111 101.9 82.3 123.5
192 22.1 17.4 26.2

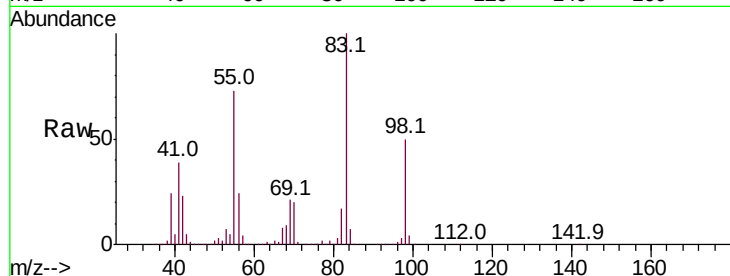




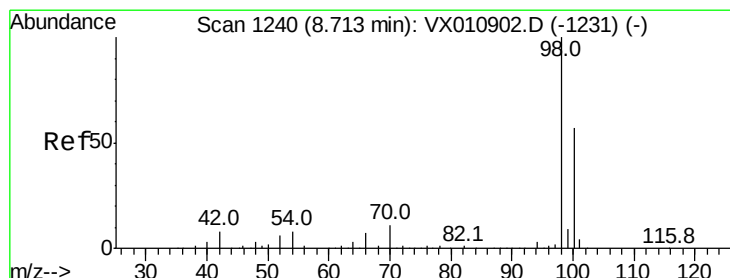
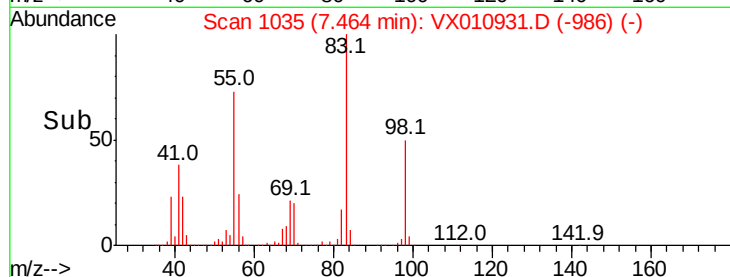
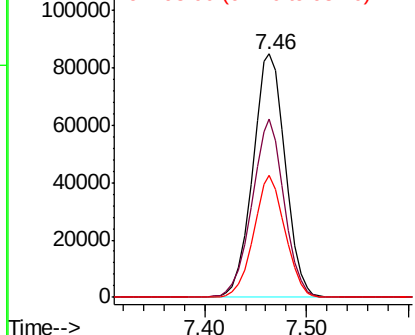
#39
Methvlcvclohexane
Concen: 48.754 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010931.D
Acq: 17 Jul 2019 13:23

Instrument :
MSVOA_X
ClientSampleId :
FL-0610DL

Tot Ion: 83 Resp: 187224
Ion Ratio Lower Upper
83 100
55 73.0 56.2 84.4
98 49.9 39.0 58.4

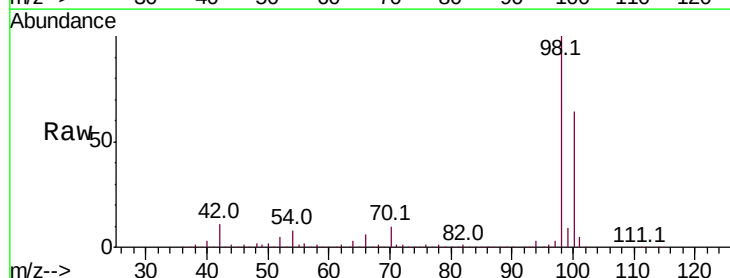


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

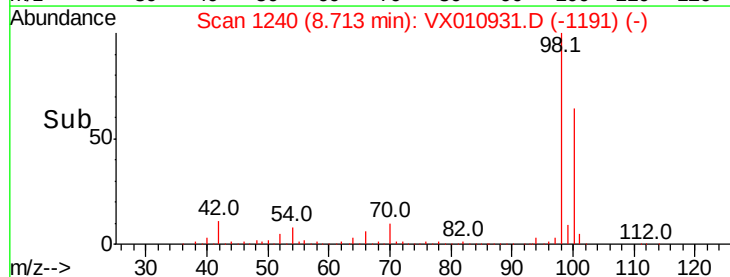
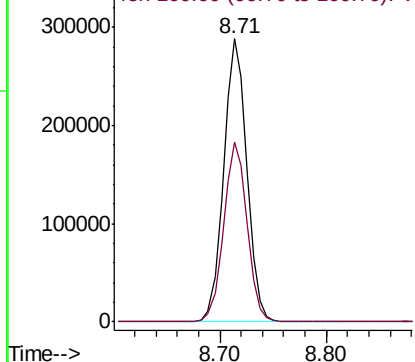


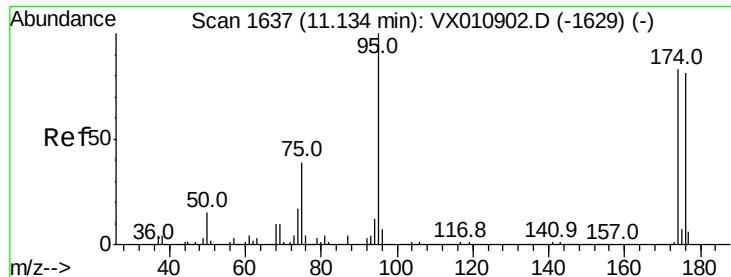
#50
Toluene-d8
Concen: 50.874 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010931.D
Acq: 17 Jul 2019 13:23

Tgt Ion: 98 Resp: 436623
Ion Ratio Lower Upper
98 100
100 64.0 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.866 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010931.D

Acq: 17 Jul 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

FL-0610DL

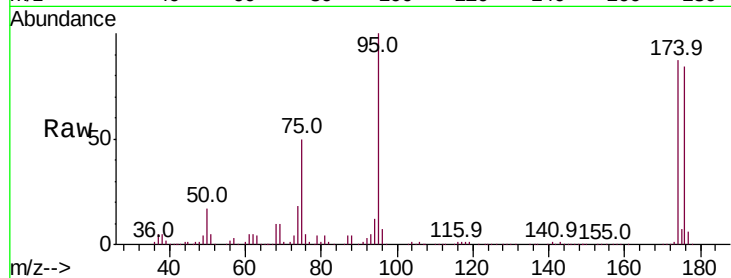
Tot Ion: 95 Resp: 154153

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.6

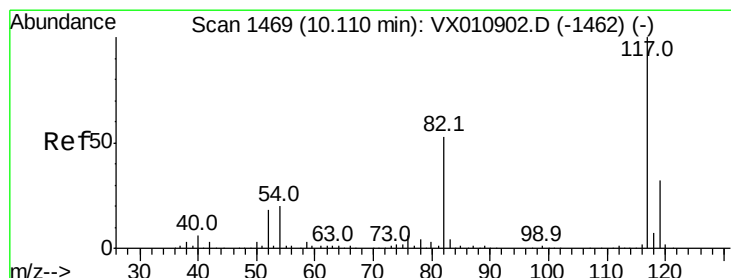
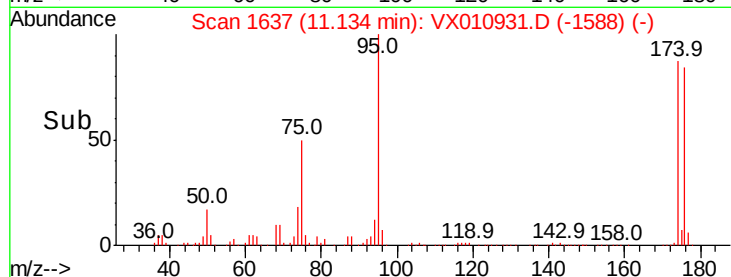
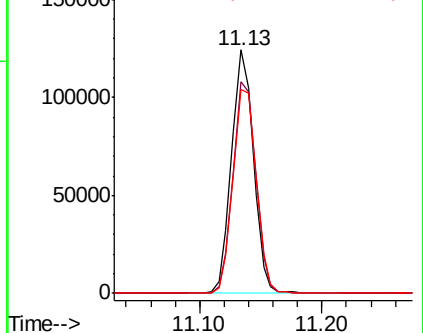
176 88.9 0.0 173.8



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: VX010931.D

Acq: 17 Jul 2019 13:23

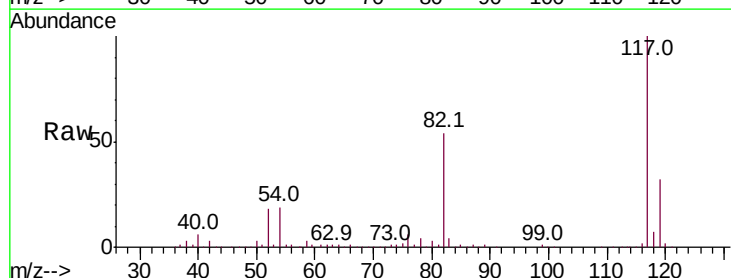
Tgt Ion: 117 Resp: 332648

Ion Ratio Lower Upper

117 100

82 53.5 42.6 63.8

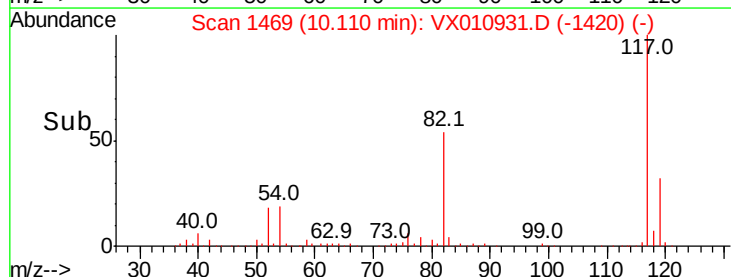
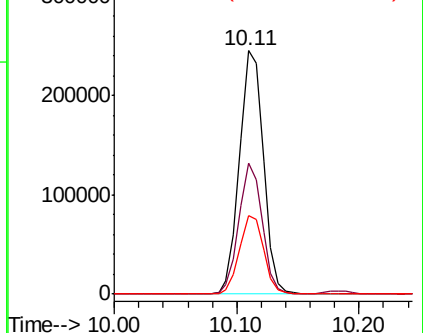
119 32.1 25.9 38.9

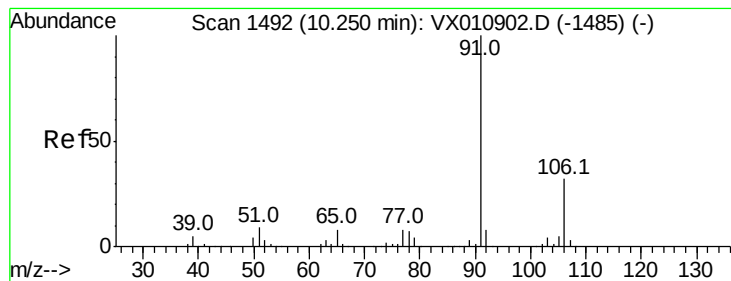


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 1.830 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010931.D

Acq: 17 Jul 2019 13:23

Instrument :

MSVOA_X

ClientSampled :

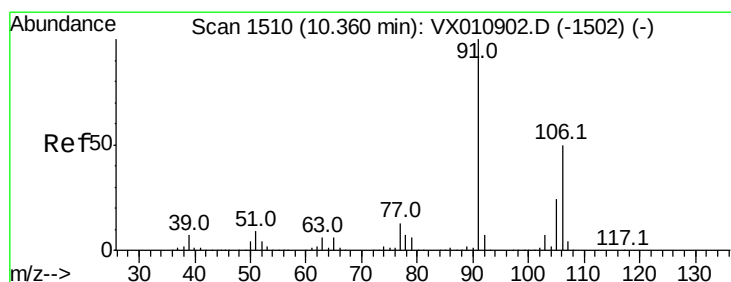
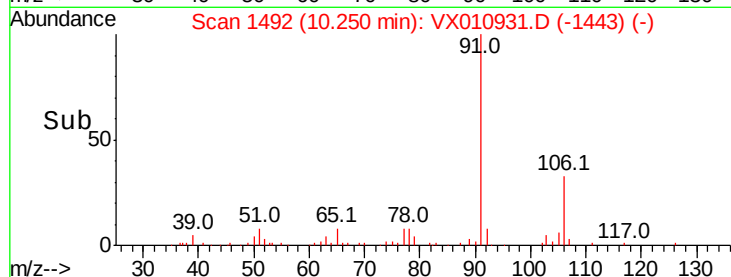
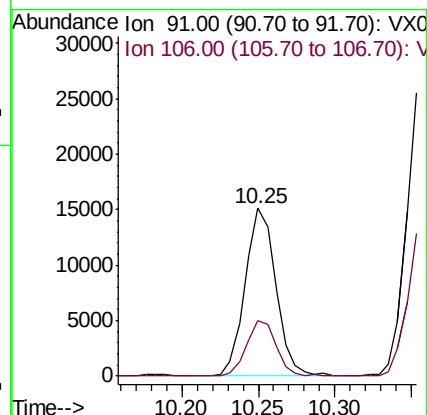
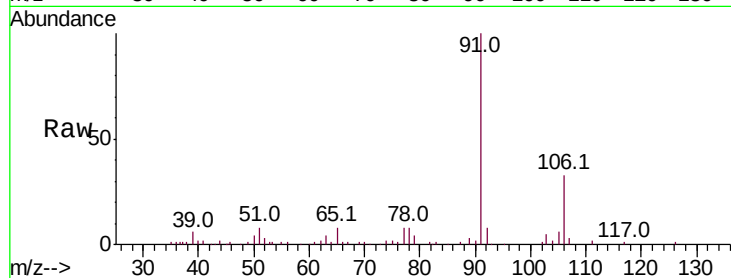
FL-0610DL

Tot Ion: 91 Resp: 21281

Ion Ratio Lower Upper

91 100

106 32.8 25.4 38.2



#68

m/p-Xylenes

Concen: 4.442 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010931.D

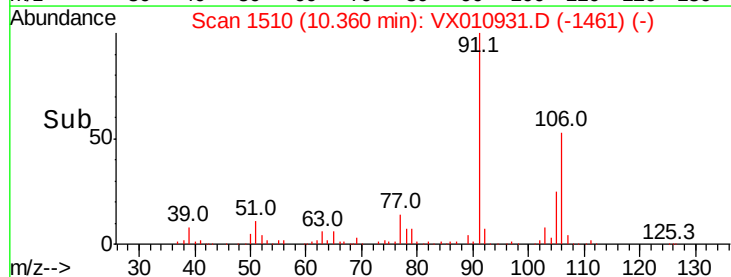
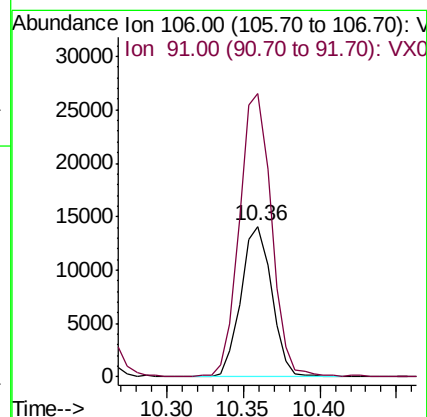
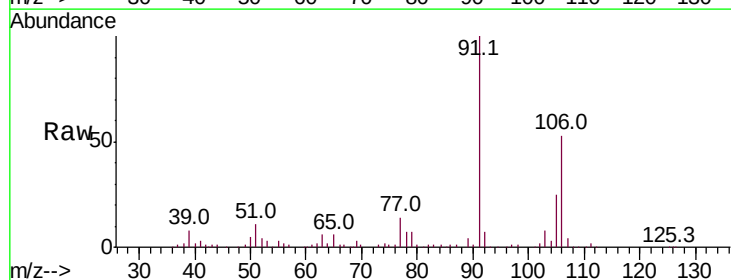
Acq: 17 Jul 2019 13:23

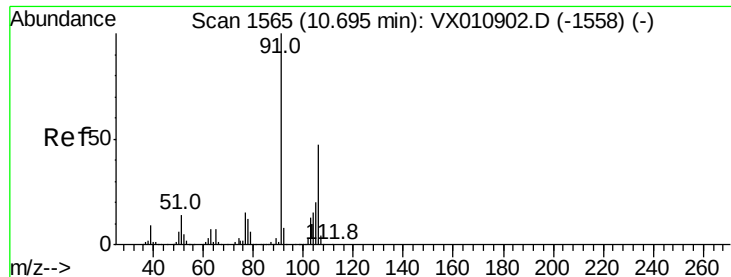
Tgt Ion: 106 Resp: 19817

Ion Ratio Lower Upper

106 100

91 196.7 160.1 240.1





#69

o-Xylene

Concen: 1.214 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX010931.D

Acq: 17 Jul 2019 13:23

Instrument :

MSVOA_X

ClientSampled :

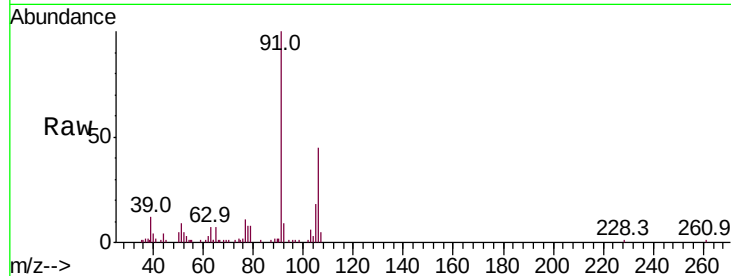
FL-0610DL

Tot Ion:106 Resp: 5285

Ion Ratio Lower Upper

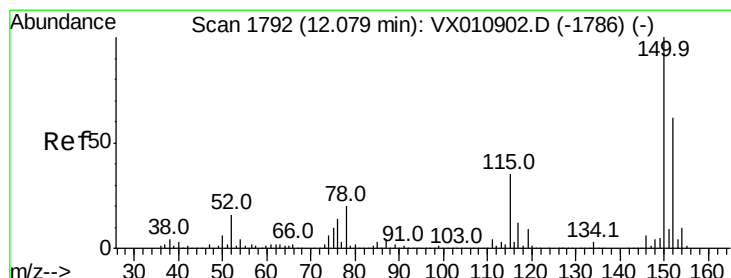
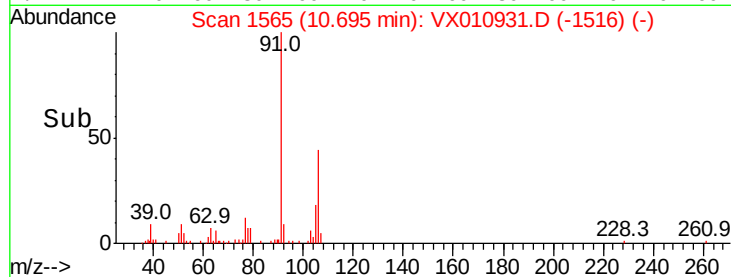
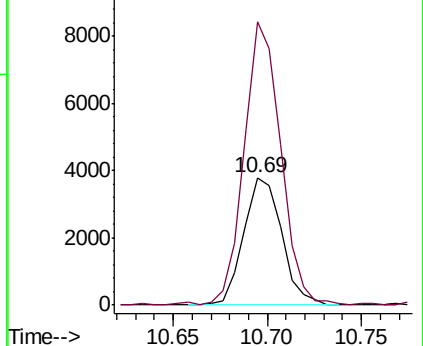
106 100

91 215.4 105.1 315.3



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: VX010931.D

Acq: 17 Jul 2019 13:23

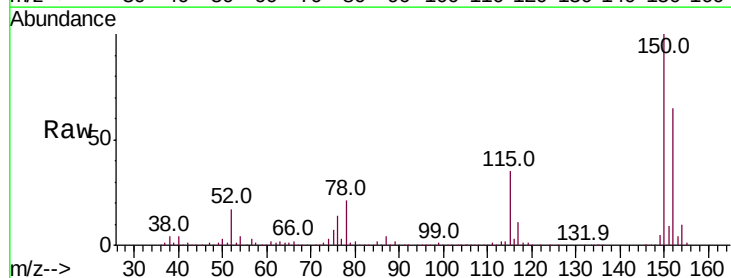
Tgt Ion:152 Resp: 163119

Ion Ratio Lower Upper

152 100

115 56.4 39.7 119.1

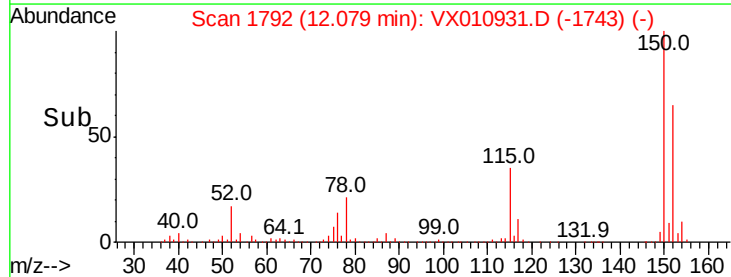
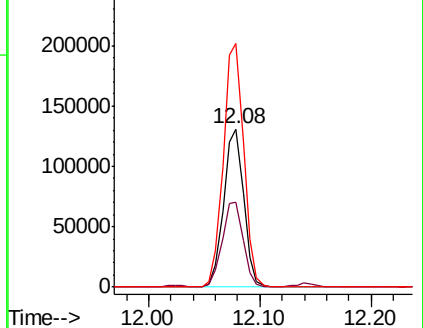
150 157.0 0.0 345.6

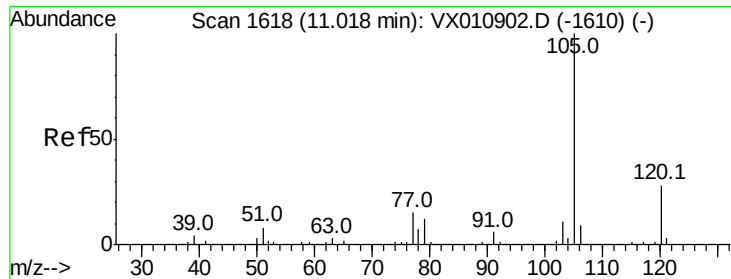


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.451 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010931.D

Acq: 17 Jul 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

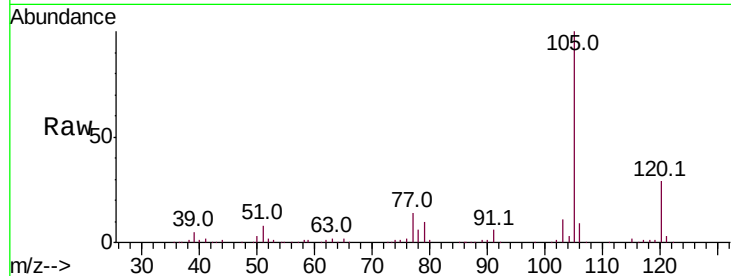
FL-0610DL

Tot Ion:105 Resp: 49057

Ion Ratio Lower Upper

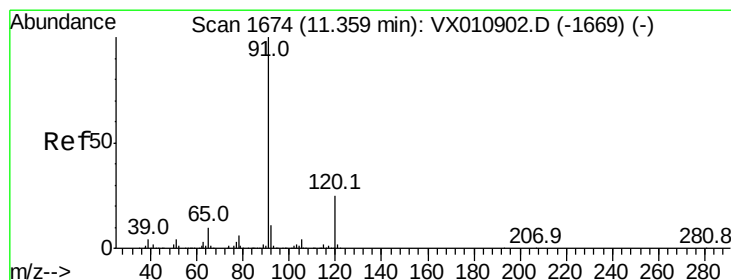
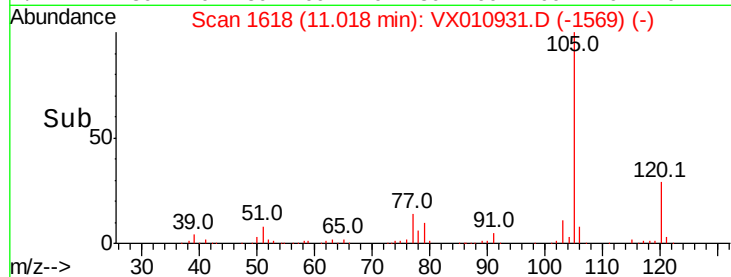
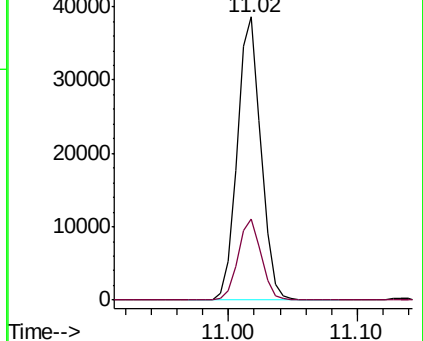
105 100

120 28.1 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: 11.326 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010931.D

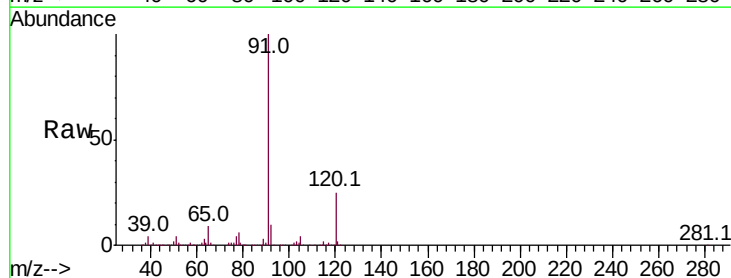
Acq: 17 Jul 2019 13:23

Tgt Ion: 91 Resp: 137936

Ion Ratio Lower Upper

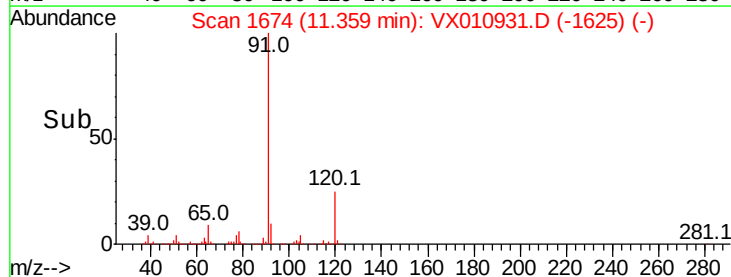
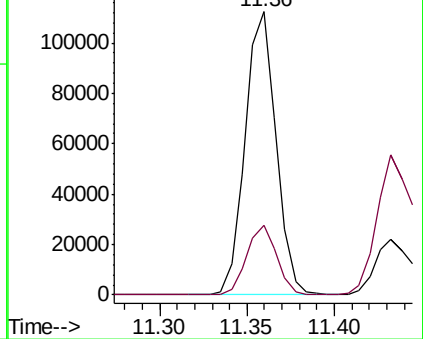
91 100

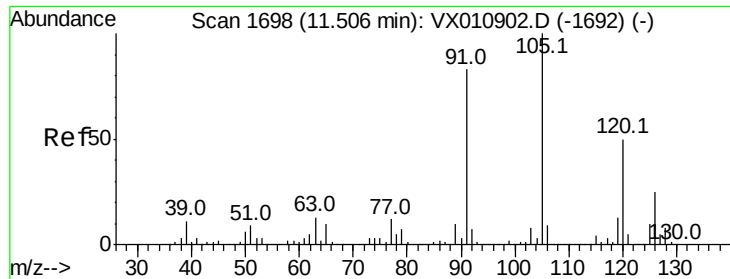
120 24.0 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

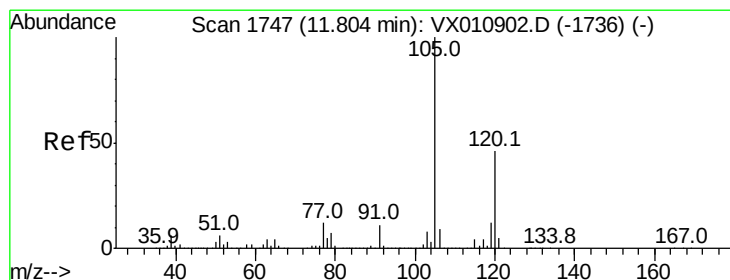
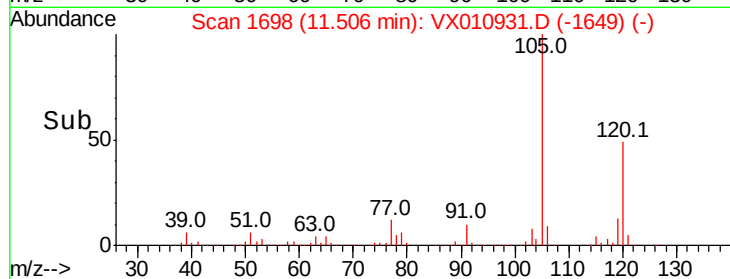
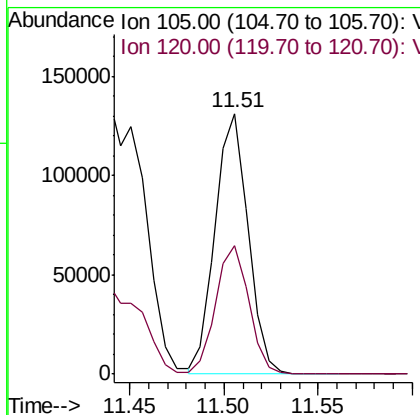
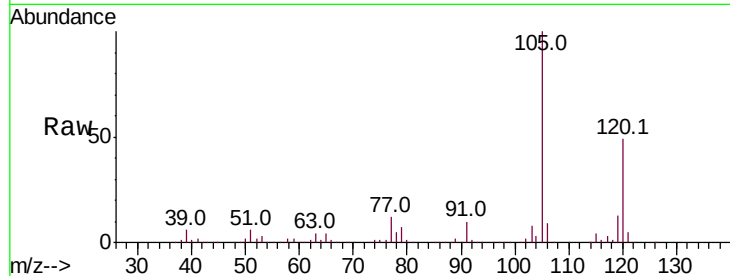




#80
 1,3,5-Trimethylbenzene
 Concen: 17.365 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010931.D
 Acq: 17 Jul 2019 13:23

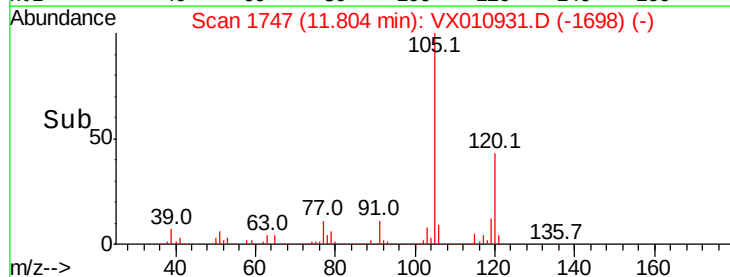
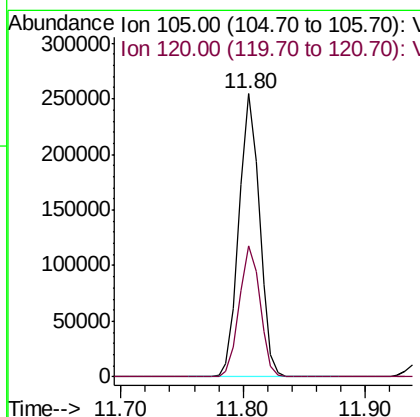
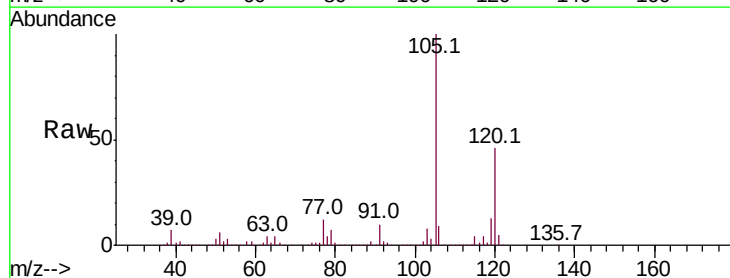
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0610DL

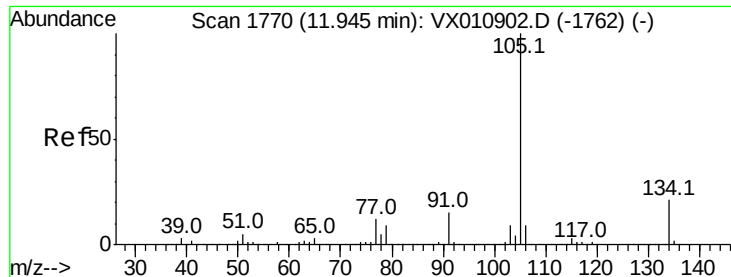
Tot Ion:105 Resp: 159927
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.6 73.8



#84
 1,2,4-Trimethylbenzene
 Concen: 31.674 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010931.D
 Acq: 17 Jul 2019 13:23

Tgt Ion:105 Resp: 294022
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.9 68.5





#85

sec-Butylbenzene

Concen: 1.516 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010931.D

Acq: 17 Jul 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

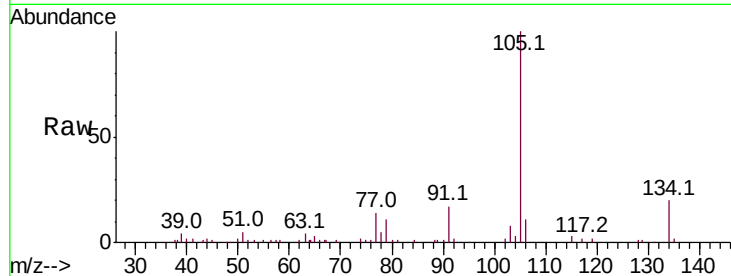
FL-0610DL

Tot Ion:105 Resp: 16067

Ion Ratio Lower Upper

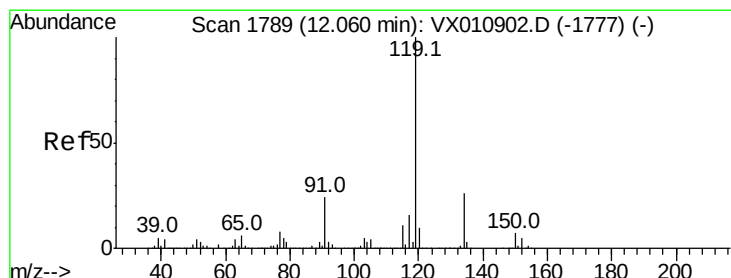
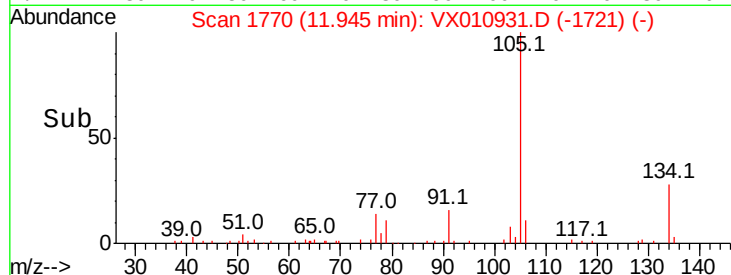
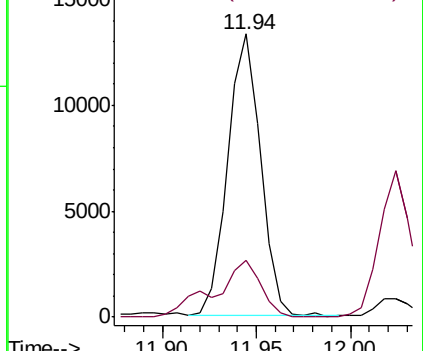
105 100

134 28.7 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.675 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010931.D

Acq: 17 Jul 2019 13:23

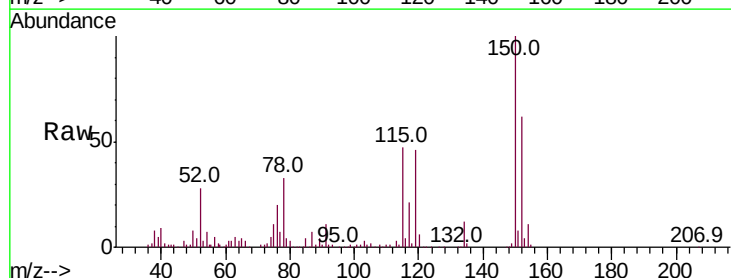
Tgt Ion:119 Resp: 16417

Ion Ratio Lower Upper

119 100

134 28.4 13.4 40.1

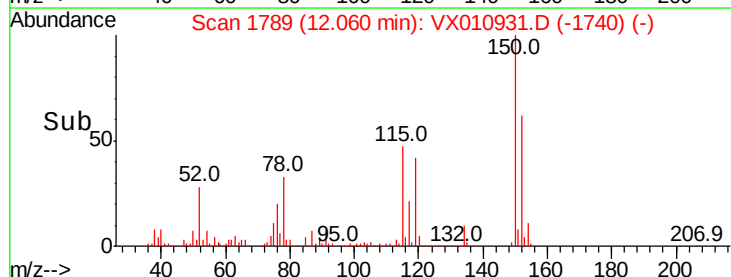
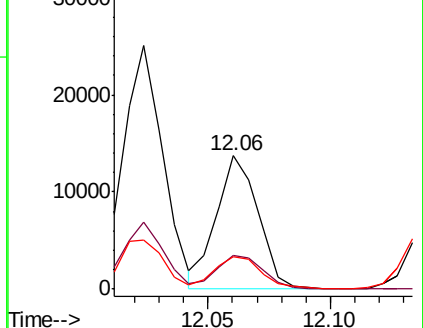
91 27.6 11.8 35.4

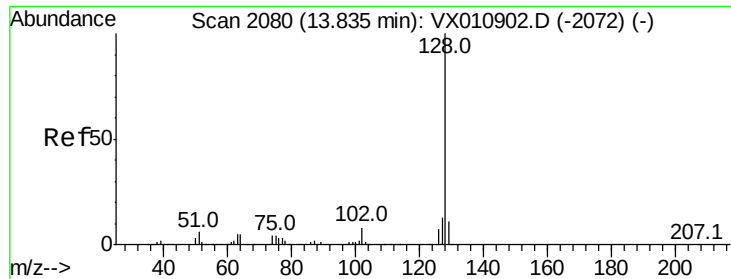


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#95
Naphthalene
Concen: 2.069 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010931.D
Acq: 17 Jul 2019 13:23

Instrument :
MSVOA_X
ClientSampleId :
FL-0610DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	12.4	8.9	13.3

