

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
 Data File : VX010913.D
 Acq On : 16 Jul 2019 17:52
 Operator : JC/SP
 Sample : K3791-10DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0596DL

Quant Time: Jul 17 05:20:07 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	5.67	168	230300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	361120	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160681	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	118557	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
35) Dibromofluoromethane	5.50	113	109854	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	8.71	98	432501	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	11.13	95	152151	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	

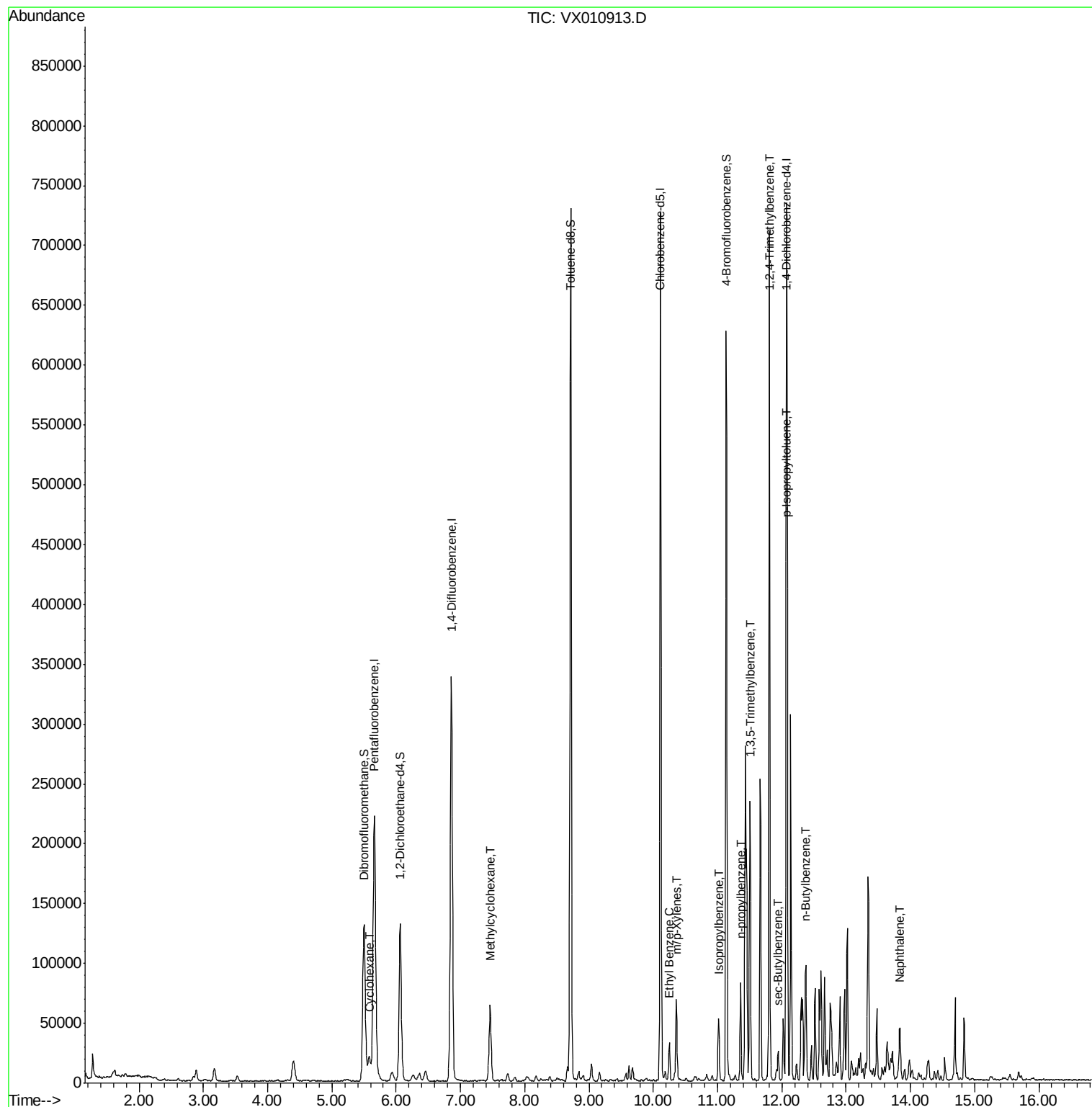
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	14000	4.209	ug/l	92
39) Methylcyclohexane	7.46	83	28745	7.473	ug/l	95
67) Ethyl Benzene	10.25	91	17232	1.482	ug/l	95
68) m/p-Xylenes	10.36	106	15537	3.484	ug/l	99
73) Isopropylbenzene	11.02	105	27422	2.526	ug/l	100
78) n-propylbenzene	11.36	91	50242	4.188	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	98016	10.804	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	296950	32.475	ug/l	98
85) sec-Butylbenzene	11.94	105	12437	1.191	ug/l	81
86) p-Isopropyltoluene	12.06	119	13148	1.362	ug/l	95
89) n-Butylbenzene	12.37	91	12102	1.465	ug/l #	10
95) Naphthalene	13.83	128	27667	2.684	ug/l #	94

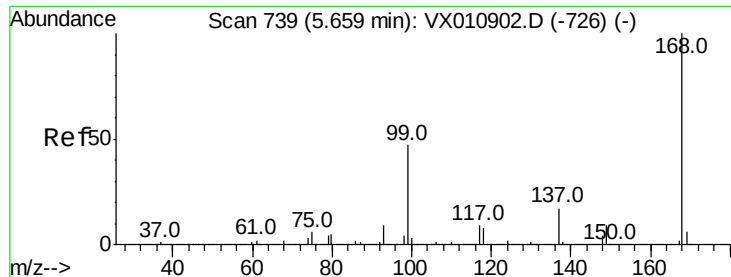
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 17 05:20:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 17 04:37:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010913.D

Acq: 16 Jul 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

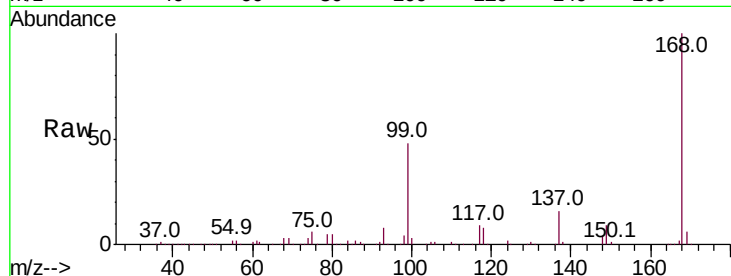
FL-0596DL

Tot Ion:168 Resp: 230300

Ion Ratio Lower Upper

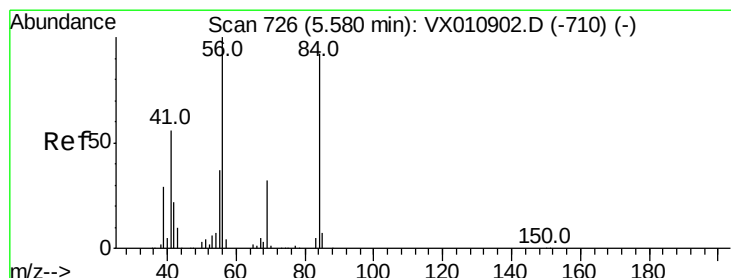
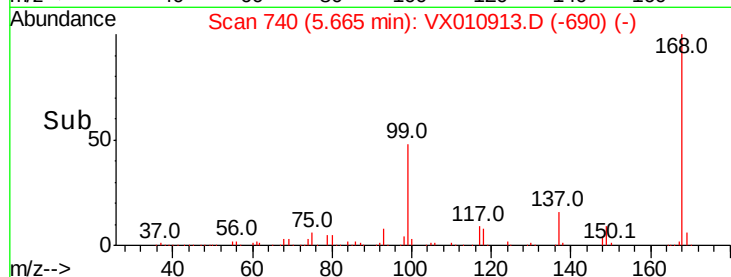
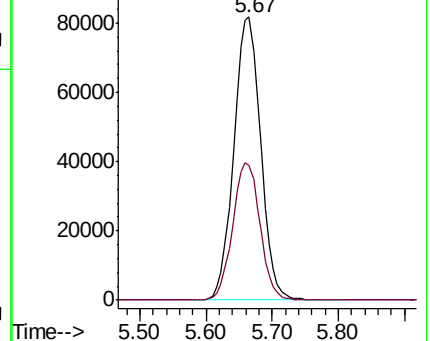
168 100

99 47.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 4.209 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010913.D

Acq: 16 Jul 2019 17:52

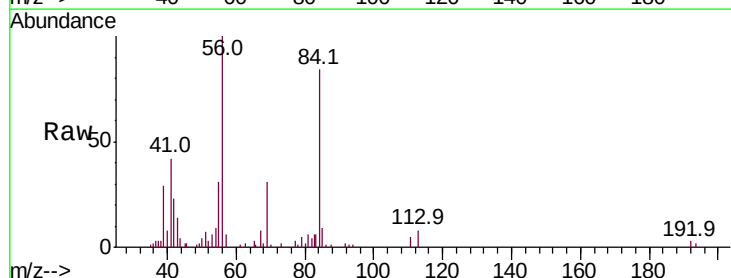
Tgt Ion: 56 Resp: 14000

Ion Ratio Lower Upper

56 100

69 31.0 25.8 38.8

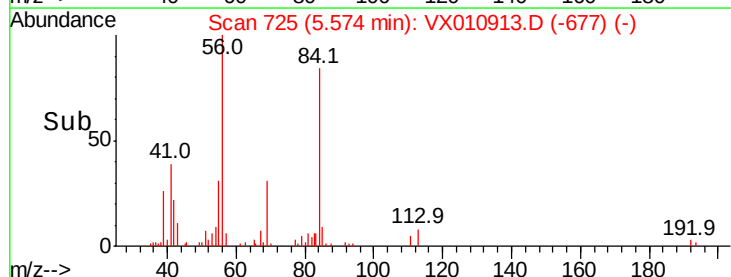
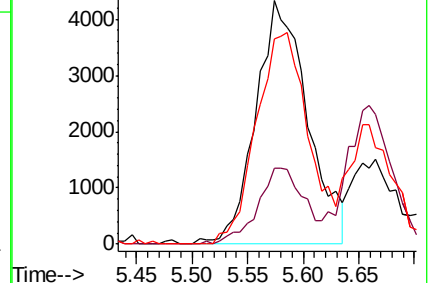
84 82.8 73.8 110.6

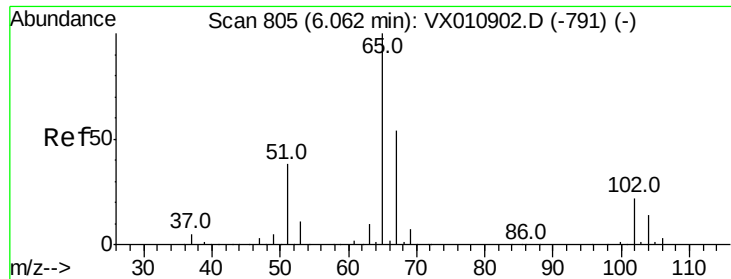


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

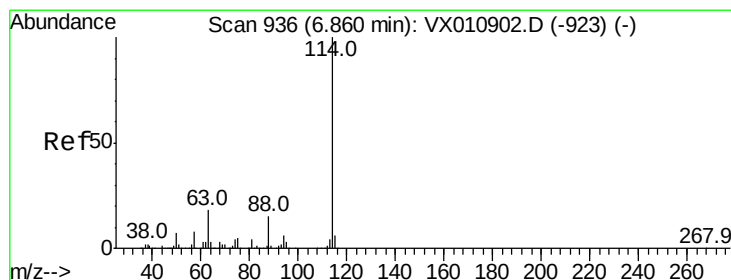
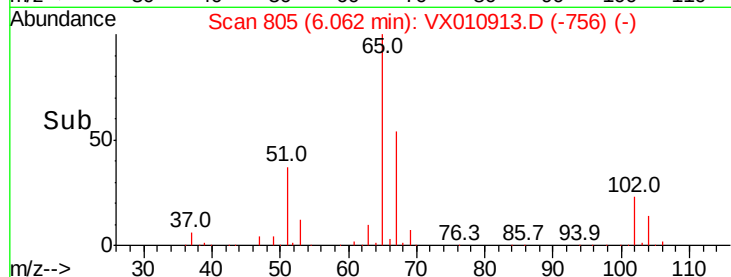
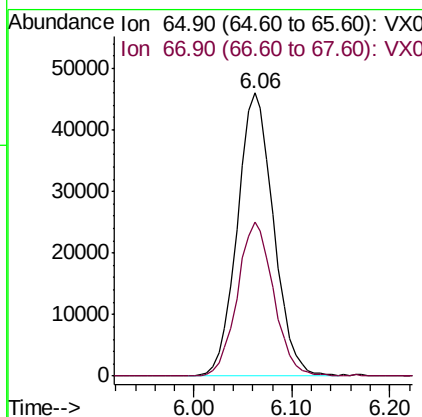
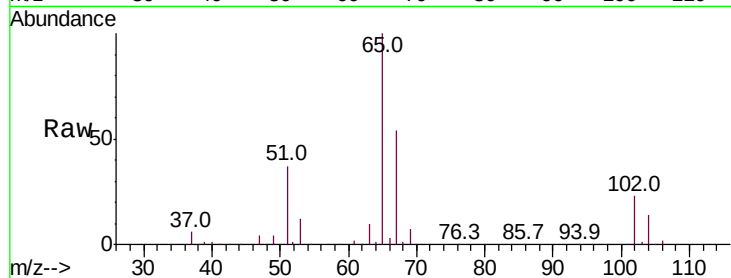




#33
 1,2-Dichloroethane-d4
 Concen: 48.390 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010913.D
 Acq: 16 Jul 2019 17:52

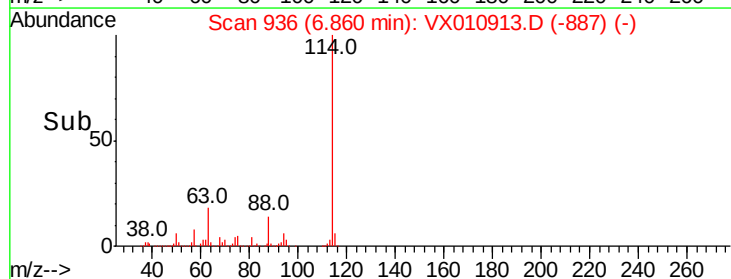
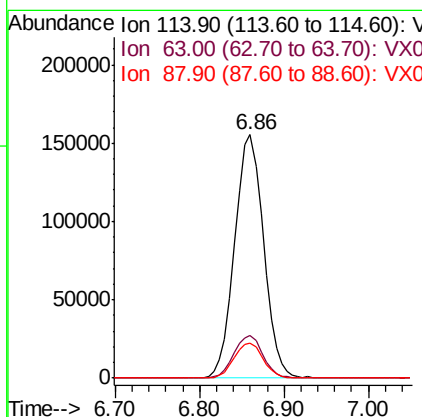
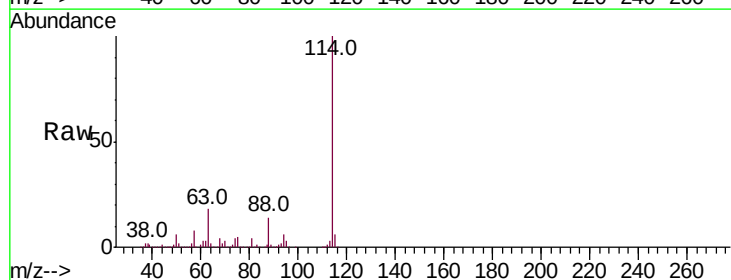
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0596DL

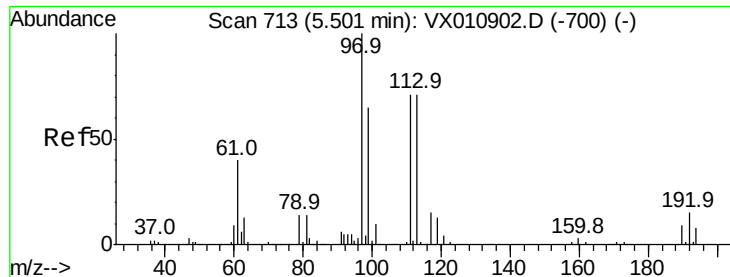
Tot Ion: 65 Resp: 118557
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010913.D
 Acq: 16 Jul 2019 17:52

Tgt Ion:114 Resp: 361120
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.6
 88 14.5 0.0 29.8





#35

Dibromofluoromethane

Concen: 47.927 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010913.D

Acq: 16 Jul 2019 17:52

Instrument :

MSVOA_X

ClientSampled :

FL-0596DL

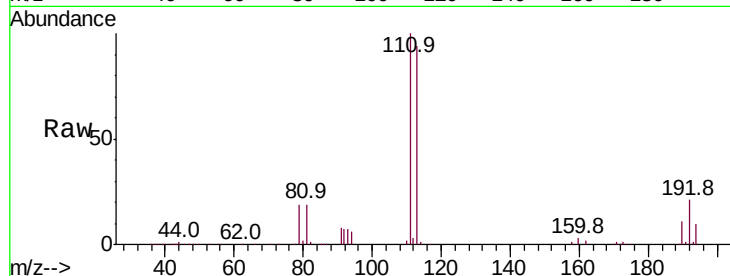
Tot Ion:113 Resp: 109854

Ion Ratio Lower Upper

113 100

111 101.8 82.3 123.5

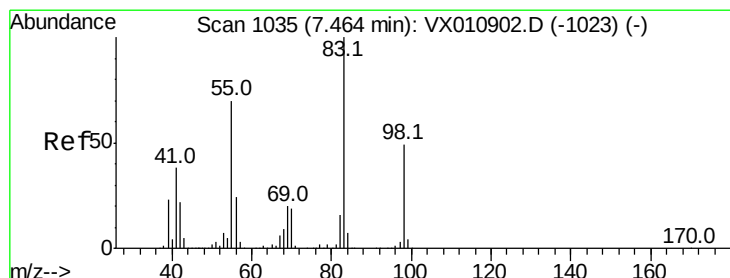
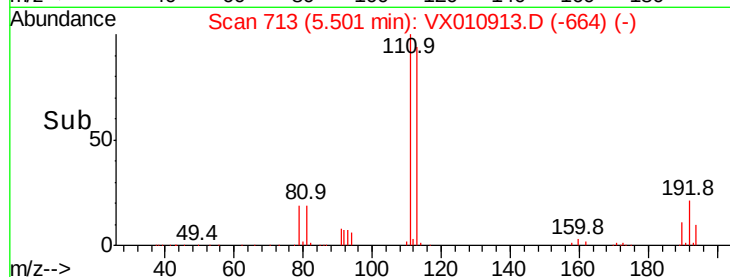
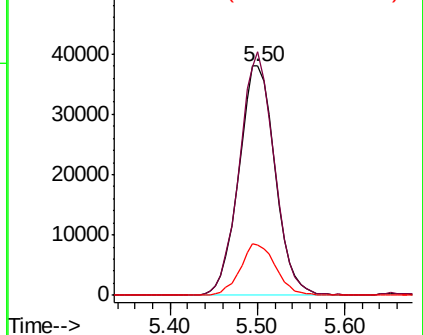
192 22.0 17.4 26.2



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: 7.473 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010913.D

Acq: 16 Jul 2019 17:52

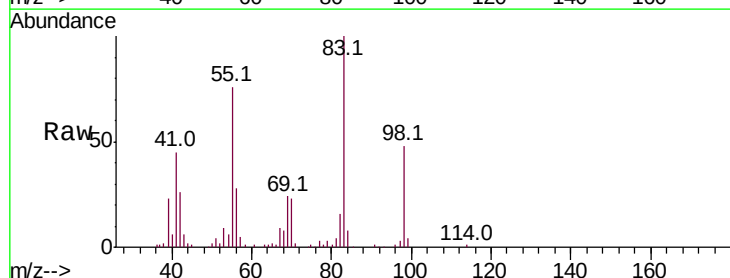
Tgt Ion: 83 Resp: 28745

Ion Ratio Lower Upper

83 100

55 76.5 56.2 84.4

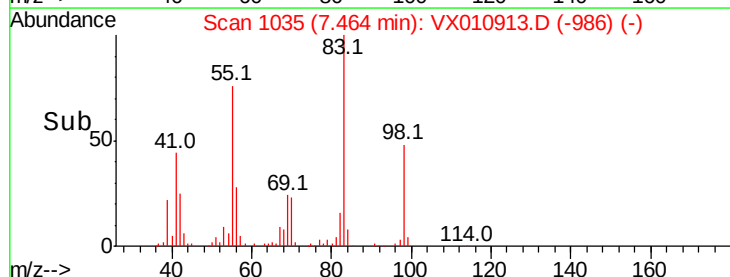
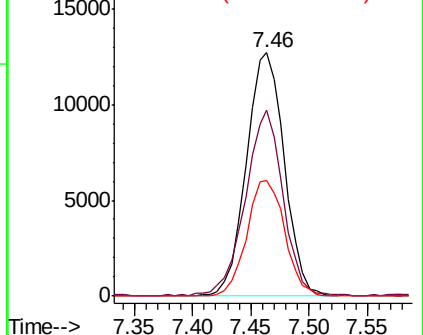
98 47.5 39.0 58.4

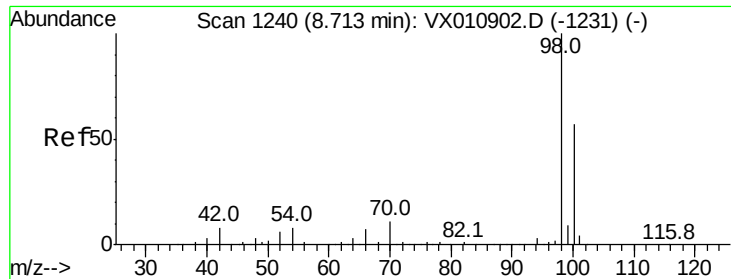


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

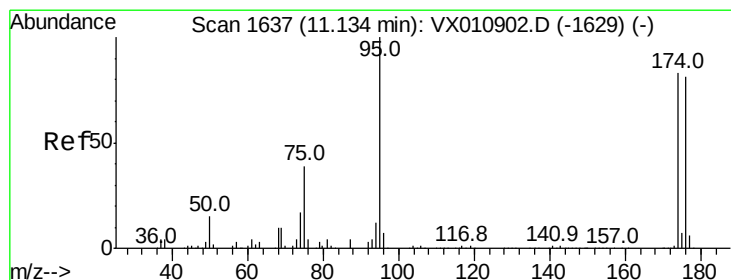
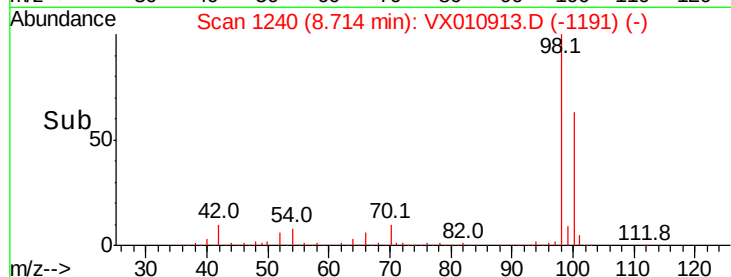
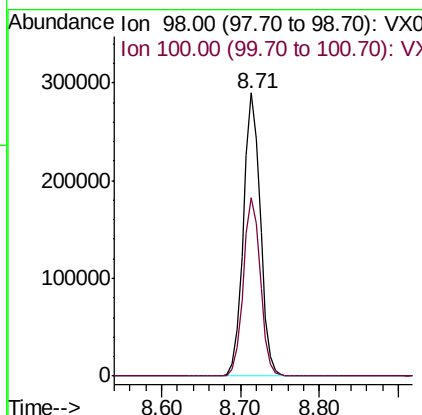
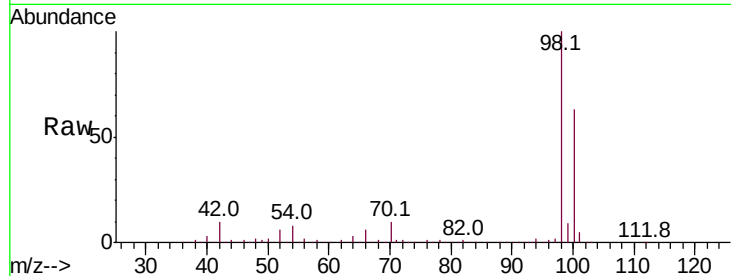




#50
Toluene-d8
Concen: 50.309 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010913.D
Acq: 16 Jul 2019 17:52

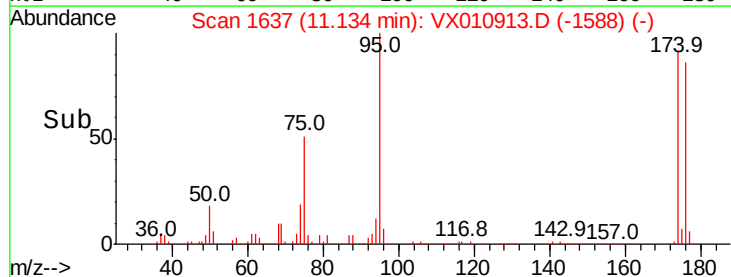
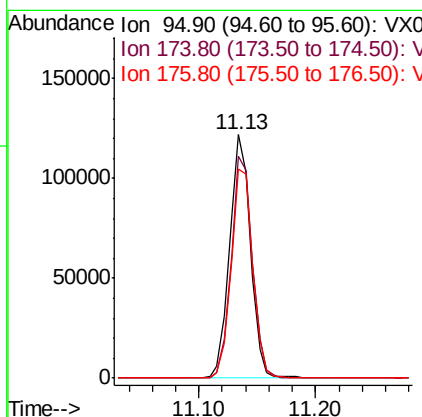
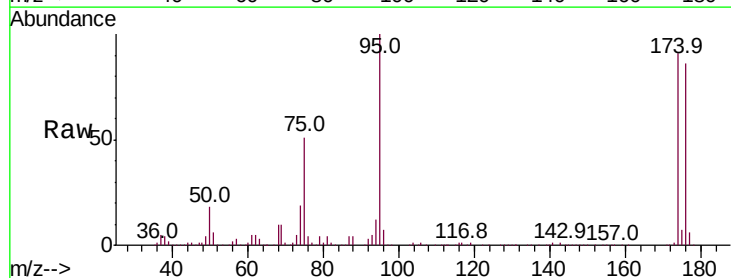
Instrument :
MSVOA_X
ClientSampleId :
FL-0596DL

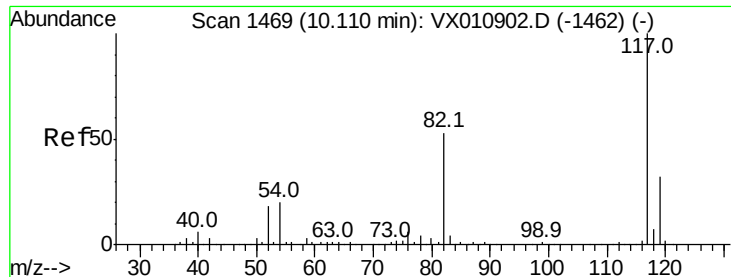
Tot Ion: 98 Resp: 432501
Ion Ratio Lower Upper
98 100
100 63.4 50.6 75.8



#62
4-Bromofluorobenzene
Concen: 48.150 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010913.D
Acq: 16 Jul 2019 17:52

Tgt Ion: 95 Resp: 152151
Ion Ratio Lower Upper
95 100
174 92.5 0.0 180.6
176 88.7 0.0 173.8

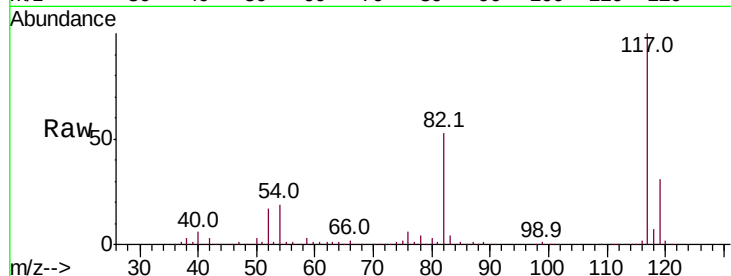




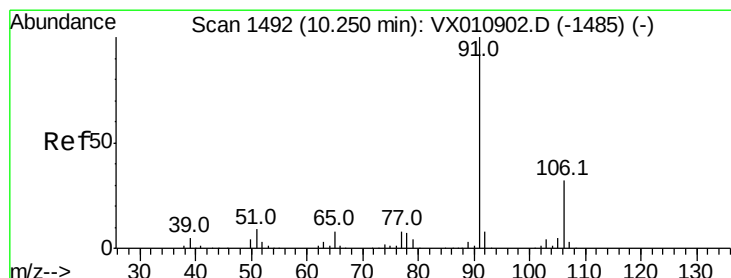
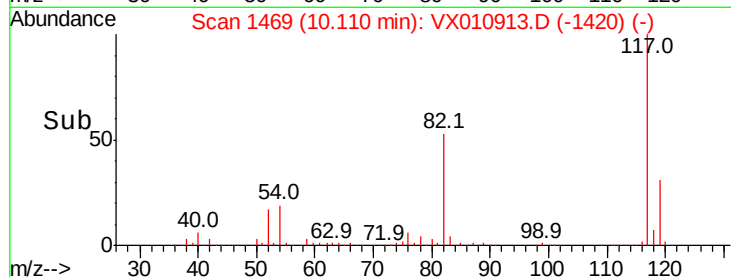
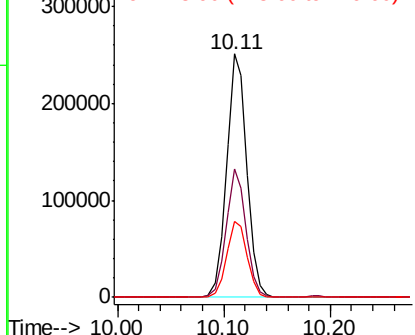
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010913.D
Acq: 16 Jul 2019 17:52

Instrument :
MSVOA_X
ClientSampleId :
FL-0596DL

Tot Ion:117 Resp: 332561
Ion Ratio Lower Upper
117 100
82 52.5 42.6 63.8
119 31.3 25.9 38.9

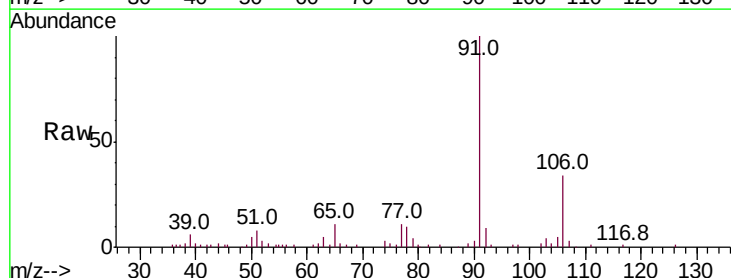


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

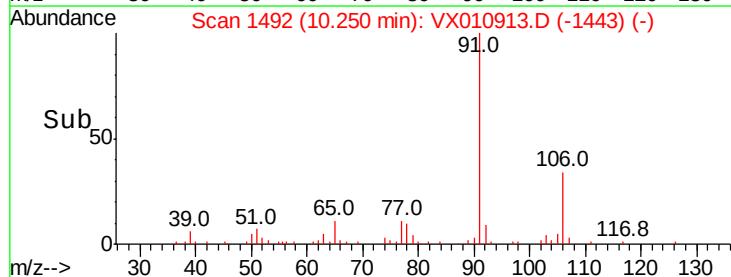
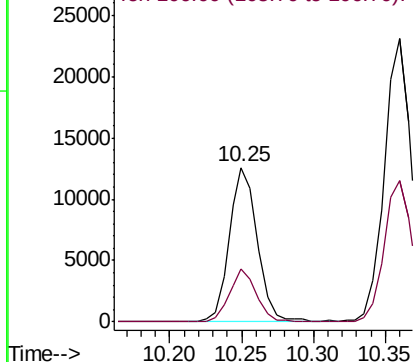


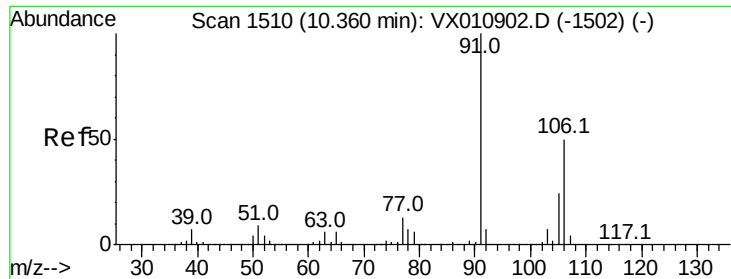
#67
Ethyl Benzene
Concen: 1.482 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010913.D
Acq: 16 Jul 2019 17:52

Tgt Ion: 91 Resp: 17232
Ion Ratio Lower Upper
91 100
106 34.4 25.4 38.2



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

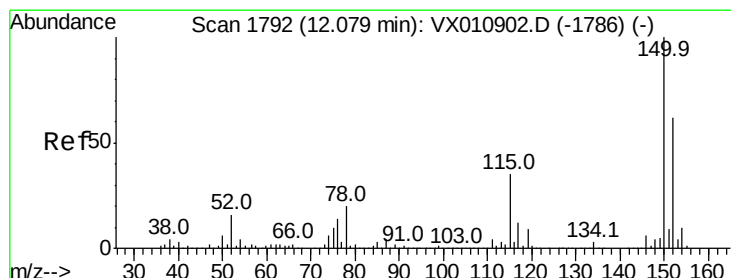
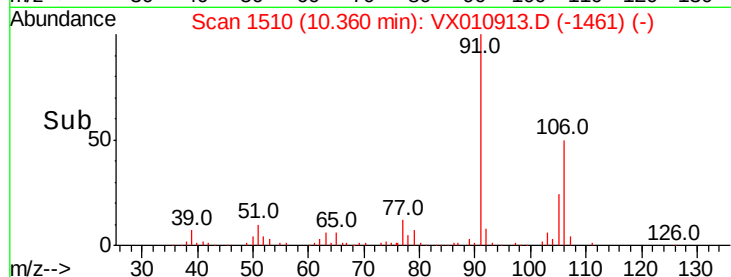
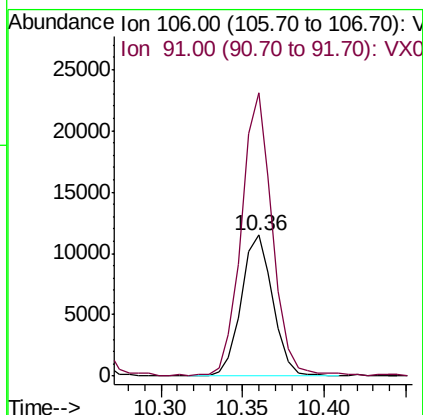
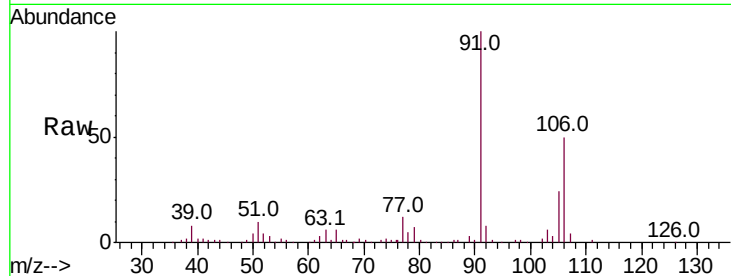




#68
m/p-Xvlenes
Concen: 3.484 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010913.D
Acq: 16 Jul 2019 17:52

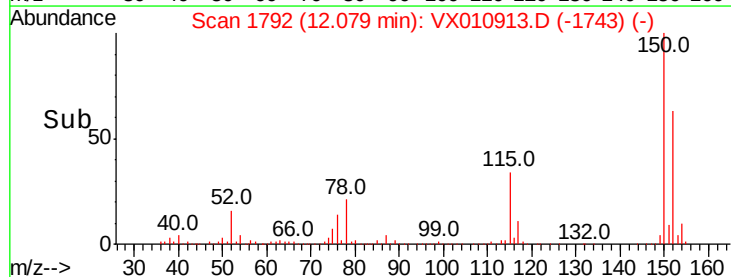
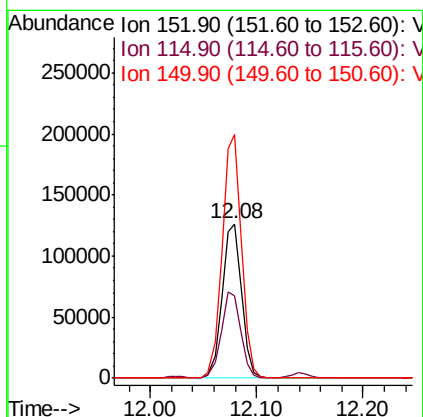
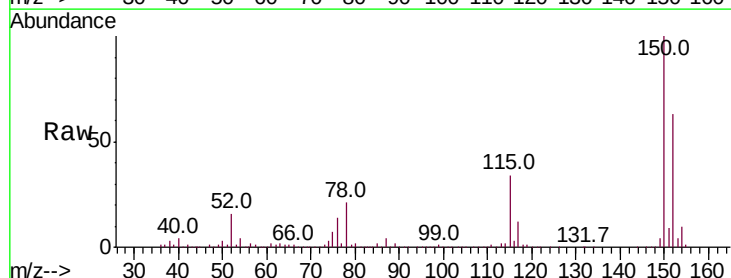
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MSVOA_X
ClientSampled :
FL-0596DL

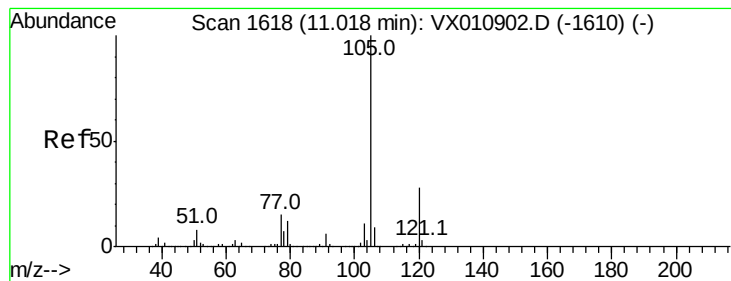
Tot Ion:106 Resp: 15537
Ion Ratio Lower Upper
106 100
91 198.0 160.1 240.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010913.D
Acq: 16 Jul 2019 17:52

Tgt Ion:152 Resp: 160681
Ion Ratio Lower Upper
152 100
115 55.9 39.7 119.1
150 156.8 0.0 345.6





#73

Isopropylbenzene

Concen: 2.526 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010913.D

Acq: 16 Jul 2019 17:52

Instrument :

MSVOA_X

ClientSampleId :

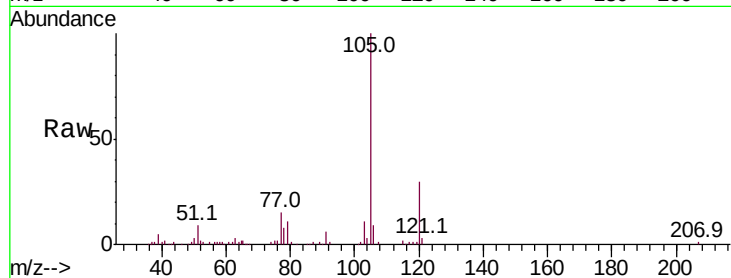
FL-0596DL

Tot Ion:105 Resp: 27422

Ion Ratio Lower Upper

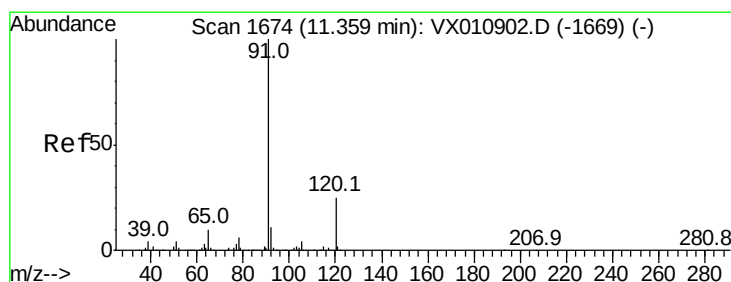
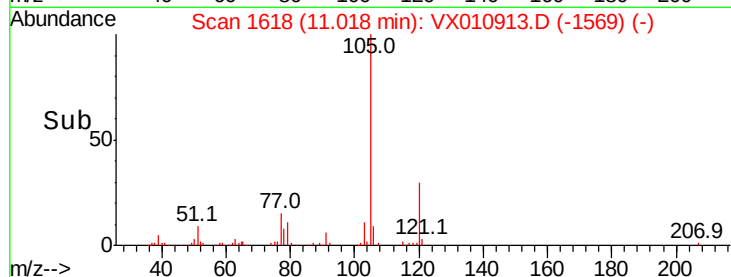
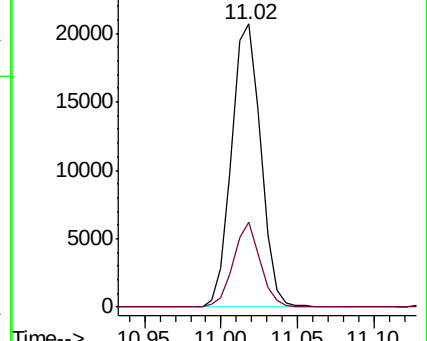
105 100

120 27.6 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: 4.188 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010913.D

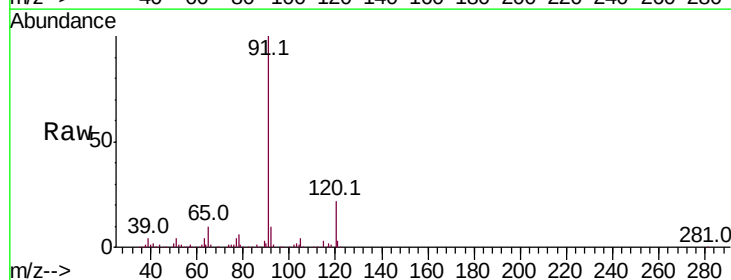
Acq: 16 Jul 2019 17:52

Tgt Ion: 91 Resp: 50242

Ion Ratio Lower Upper

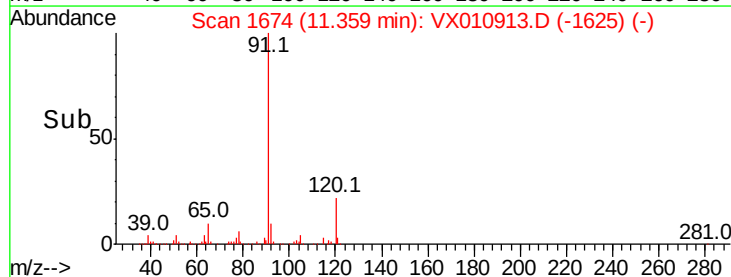
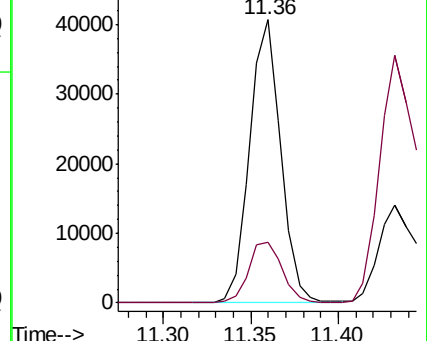
91 100

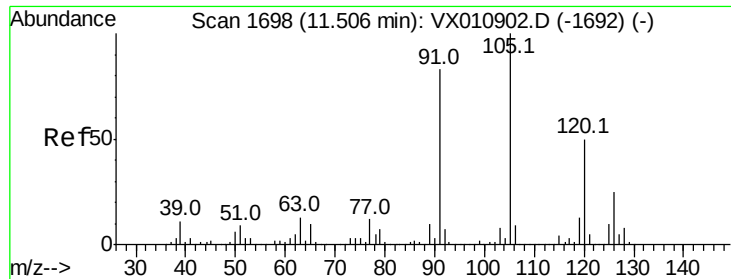
120 23.3 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

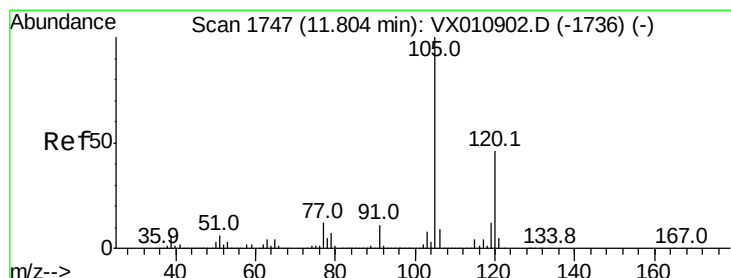
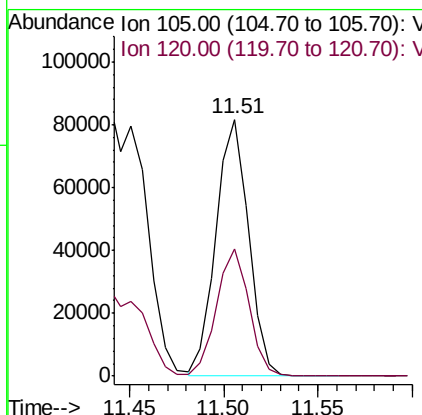
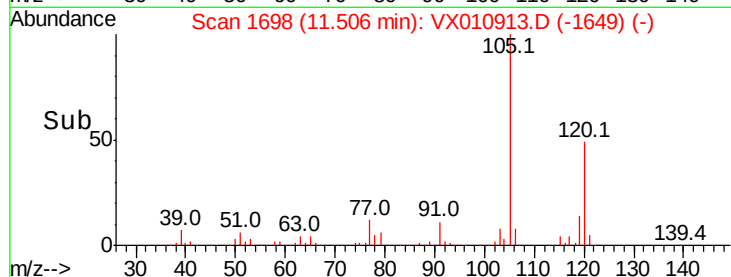
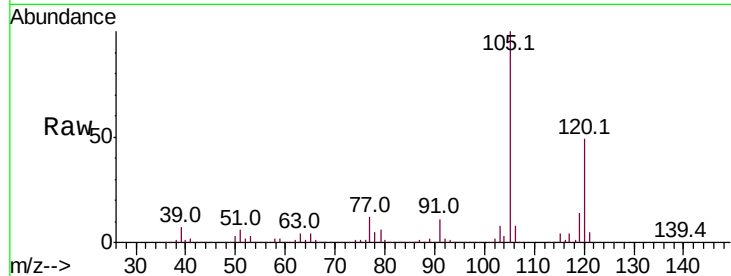




#80
 1,3,5-Trimethylbenzene
 Concen: 10.804 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010913.D
 Acq: 16 Jul 2019 17:52

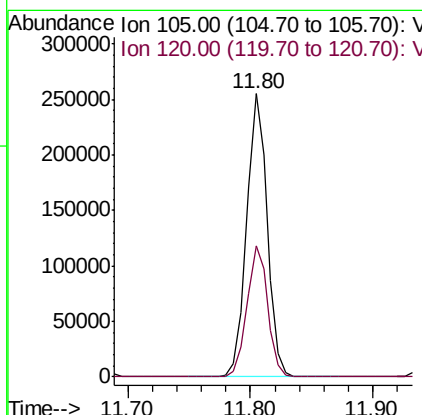
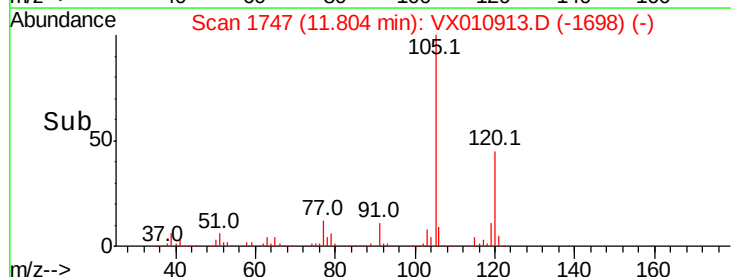
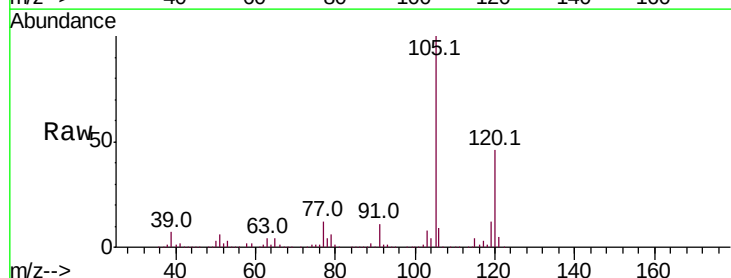
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0596DL

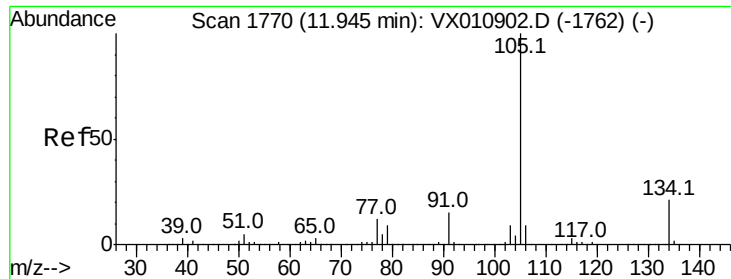
Tot Ion:105 Resp: 98016
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 73.8



#84
 1,2,4-Trimethylbenzene
 Concen: 32.475 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010913.D
 Acq: 16 Jul 2019 17:52

Tgt Ion:105 Resp: 296950
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.9 68.5





#85

sec-Butylbenzene

Concen: 1.191 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010913.D

Acq: 16 Jul 2019 17:52

Instrument :

MSVOA_X

ClientSampled :

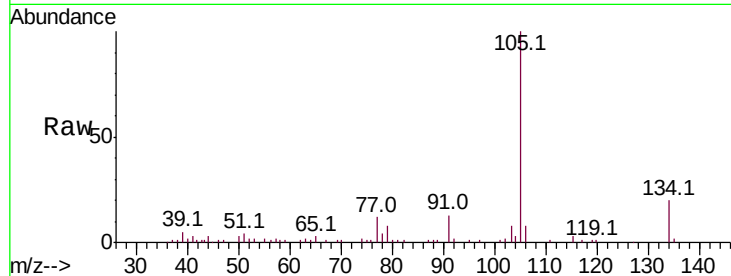
FL-0596DL

Tot Ion:105 Resp: 12437

Ion Ratio Lower Upper

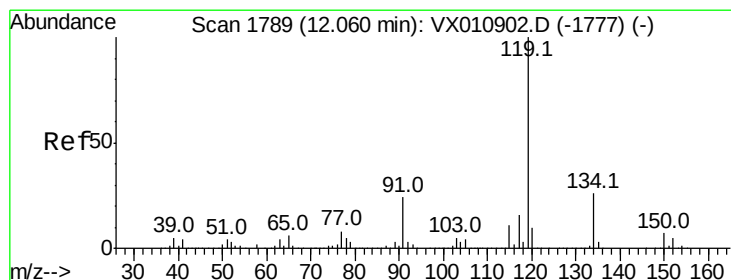
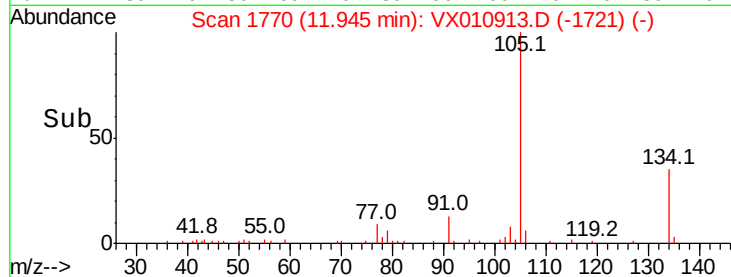
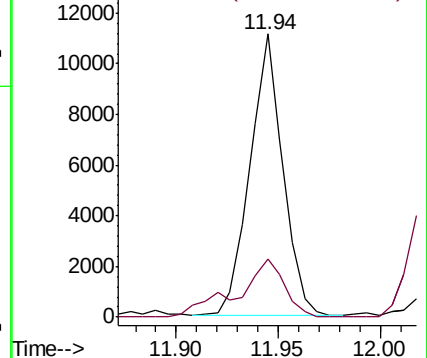
105 100

134 29.7 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: 1.362 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010913.D

Acq: 16 Jul 2019 17:52

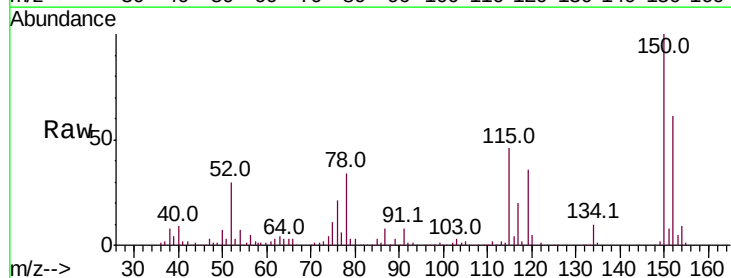
Tgt Ion:119 Resp: 13148

Ion Ratio Lower Upper

119 100

134 28.8 13.4 40.1

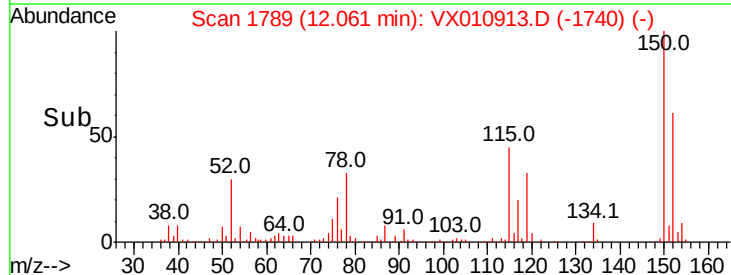
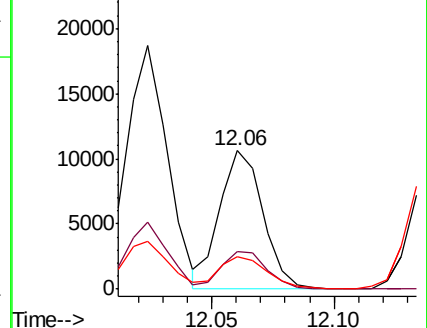
91 26.5 11.8 35.4

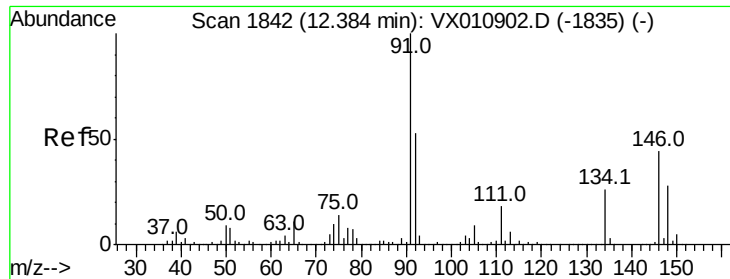


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 1.465 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VX010913.D

Acq: 16 Jul 2019 17:52

Instrument :

MSVOA_X

ClientSampled :

FL-0596DL

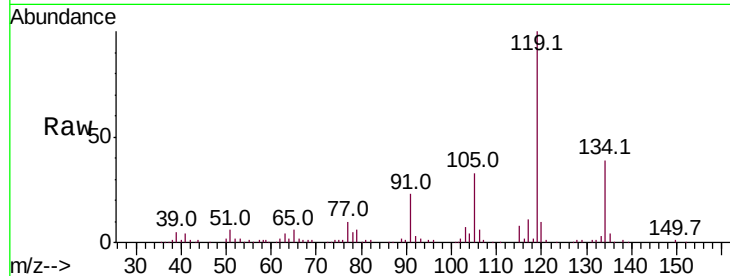
Tot Ion: 91 Resp: 12102

Ion Ratio Lower Upper

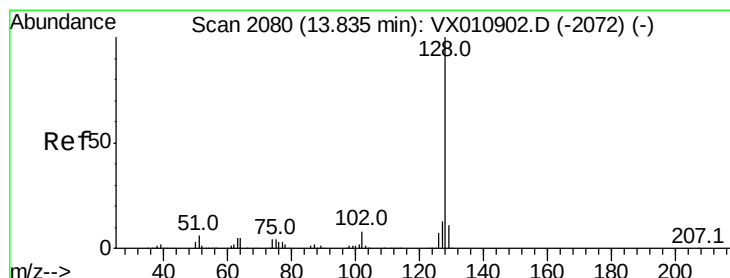
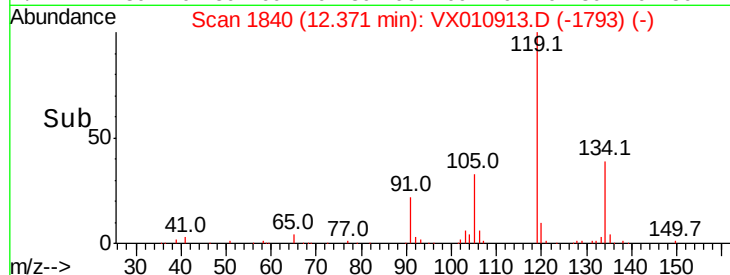
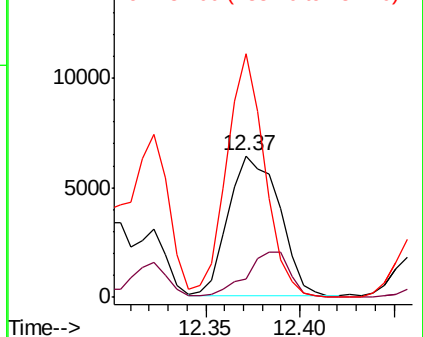
91 100

92 27.7 26.2 78.5

134 129.2 13.8 41.3#



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 2.684 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010913.D

Acq: 16 Jul 2019 17:52

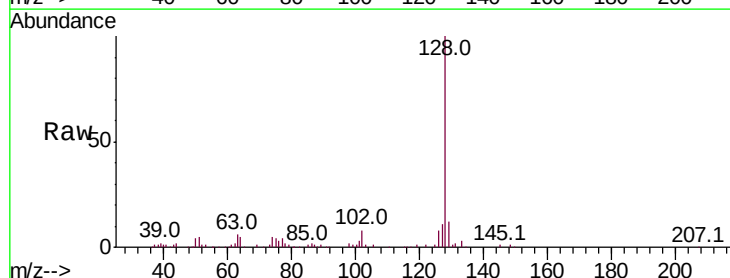
Tgt Ion:128 Resp: 27667

Ion Ratio Lower Upper

128 100

127 15.1 10.4 15.6

129 14.1 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

