

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010844.D
 Acq On : 12 Jul 2019 18:23
 Operator : JC/SP
 Sample : K3786-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0590

Quant Time: Jul 13 01:41:58 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	211747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334493	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	305291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110326	55.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.14%	
35) Dibromofluoromethane	5.50	113	102128	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	8.71	98	397121	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.13	95	132322	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	

Target Compounds

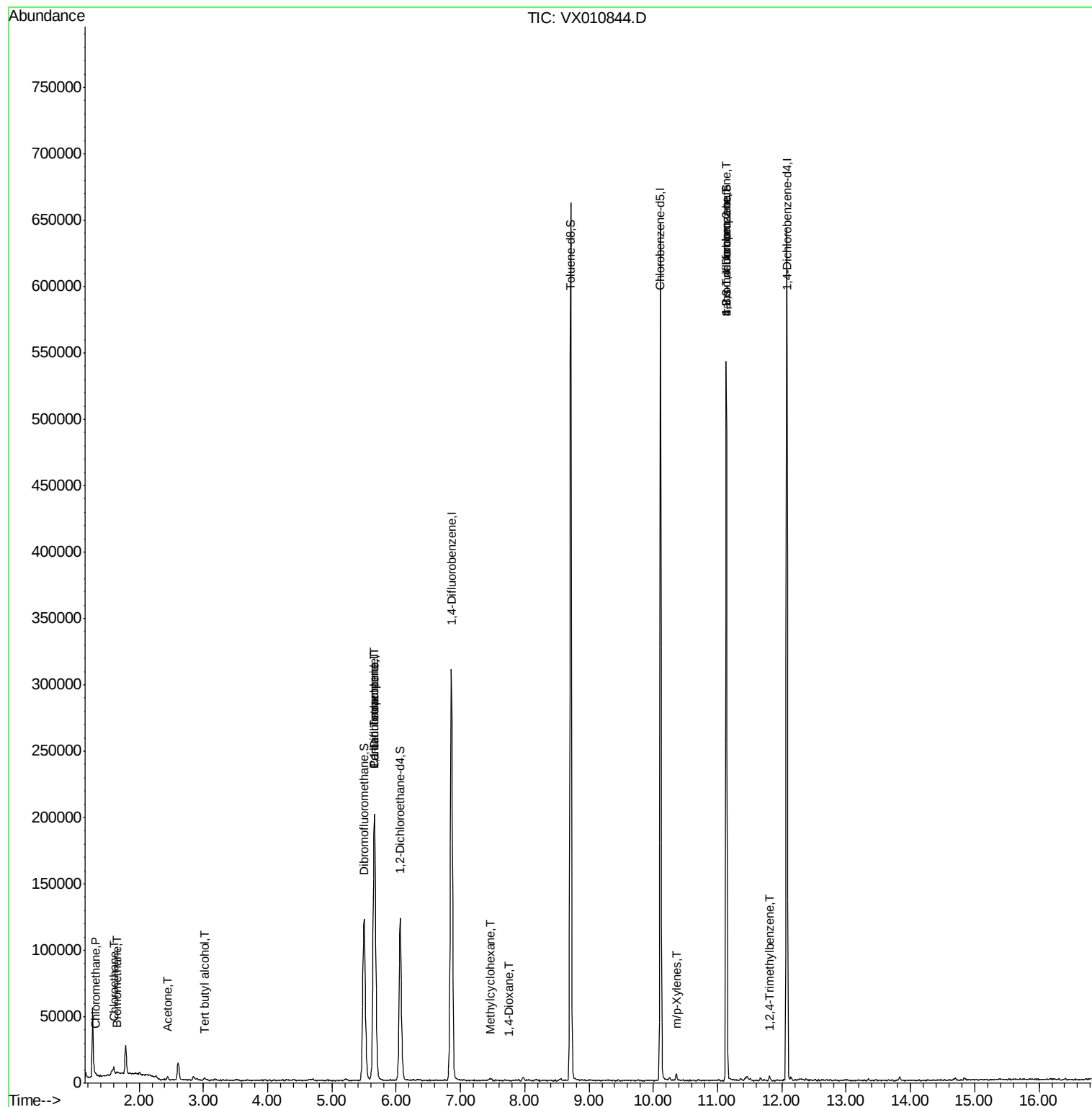
					Qvalue
3) Chloromethane	1.33	50	593	0.346 ug/l #	68
5) Bromomethane	1.65	94	371	0.406 ug/l	82
6) Chloroethane	1.61	64	4483	4.047 ug/l #	55
11) Tert butyl alcohol	3.02	59	1155	2.223 ug/l	97
16) Acetone	2.44	43	2537	2.550 ug/l	100
36) 1,1-Dichloropropene	5.66	75	13489	5.075 ug/l #	49
38) Carbon Tetrachloride	5.66	117	19634	6.821 ug/l #	14
39) Methylcyclohexane	7.46	83	700	0.200 ug/l #	68
49) 1,4-Dioxane	7.76	88	20	0.330 ug/l #	1
68) m/p-Xylenes	10.36	106	1143	0.282 ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	66341	25.668 ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	66341	59.881 ug/l #	16
84) 1,2,4-Trimethylbenzene	11.81	105	1834	0.230 ug/l	98

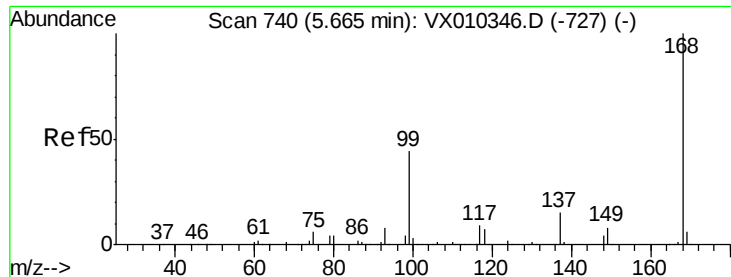
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 13 01:41:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
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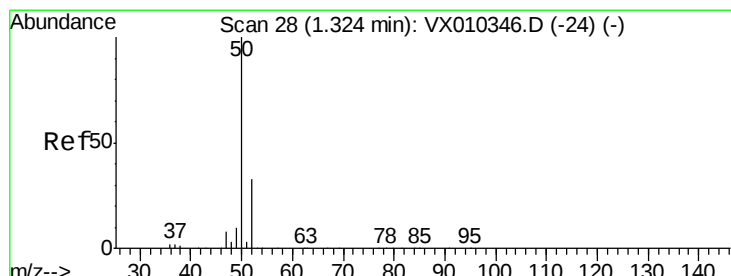
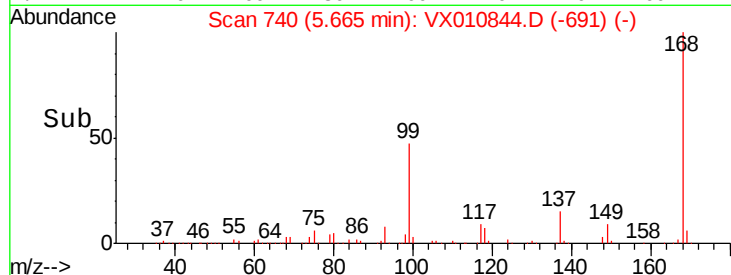
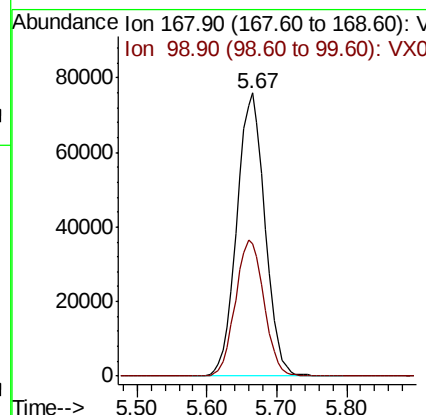
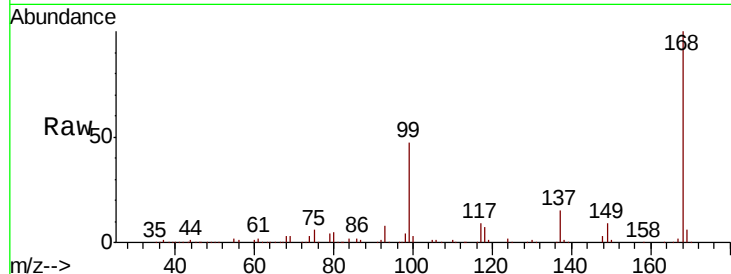




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX010844.D
Acq: 12 Jul 2019 18:23

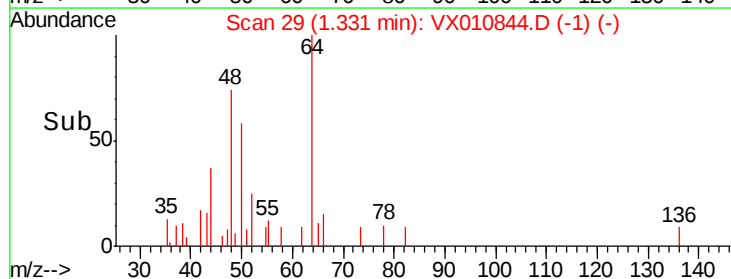
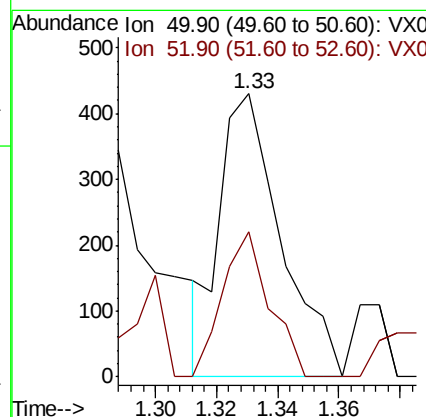
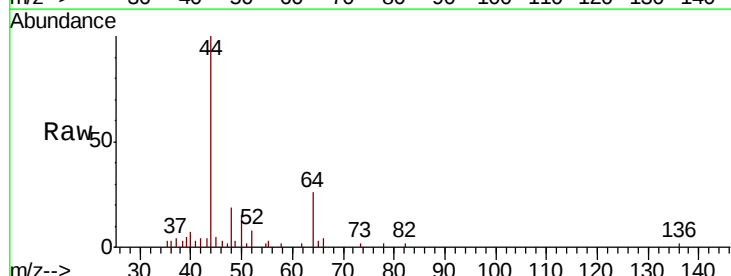
Instrument :
MSVOA_X
ClientSampled :
FL-0590

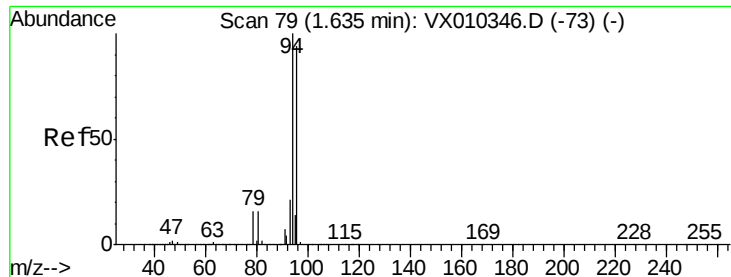
Tot Ion:168 Resp: 211747
Ion Ratio Lower Upper
168 100
99 46.9 35.5 53.3



#3
Chloromethane
Concen: 0.346 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX010844.D
Acq: 12 Jul 2019 18:23

Tgt Ion: 50 Resp: 593
Ion Ratio Lower Upper
50 100
52 51.2 26.5 39.7#





#5

Bromomethane

Concen: 0.406 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010844.D

Acq: 12 Jul 2019 18:23

Instrument :

MSVOA_X

ClientSampled :

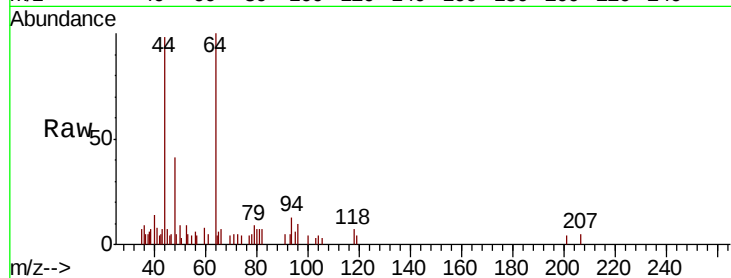
FL-0590

Tot Ion: 94 Resp: 371

Ion Ratio Lower Upper

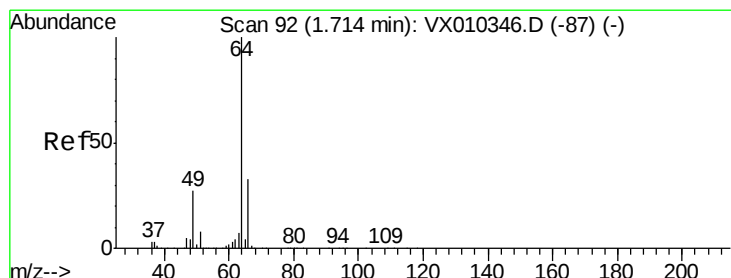
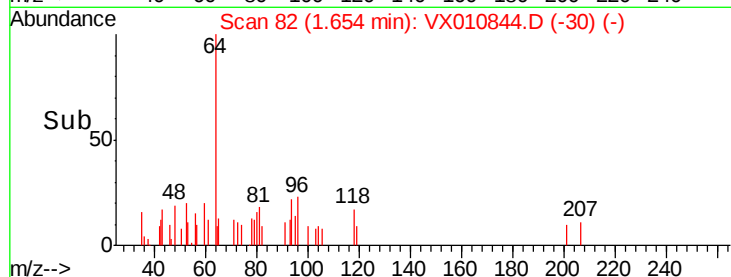
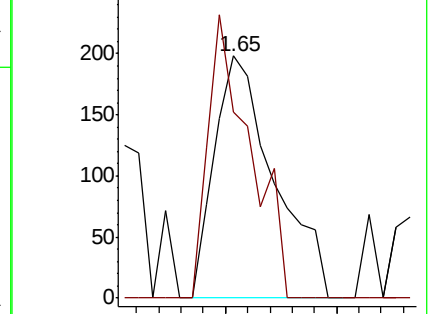
94 100

96 76.8 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 4.047 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.10 min

Lab File: VX010844.D

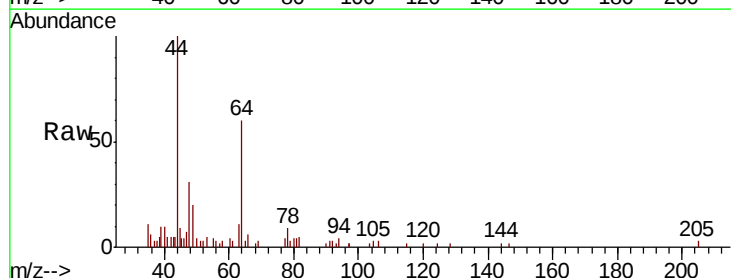
Acq: 12 Jul 2019 18:23

Tgt Ion: 64 Resp: 4483

Ion Ratio Lower Upper

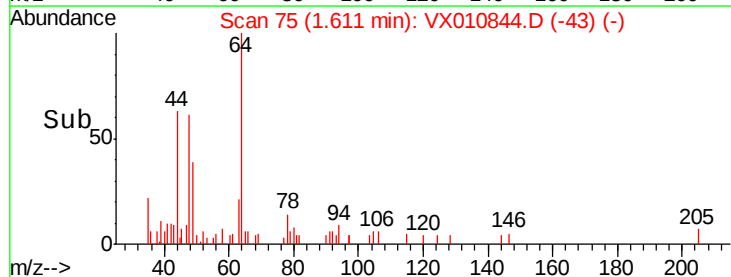
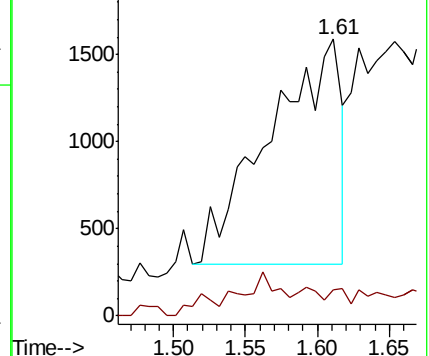
64 100

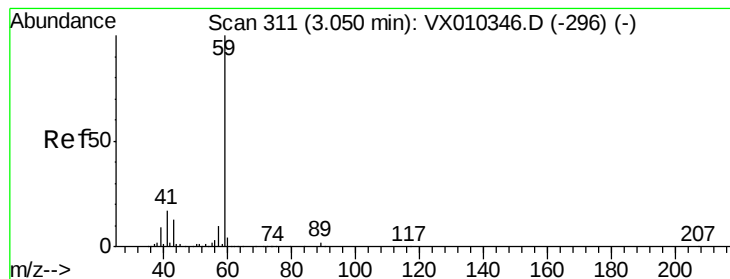
66 7.5 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



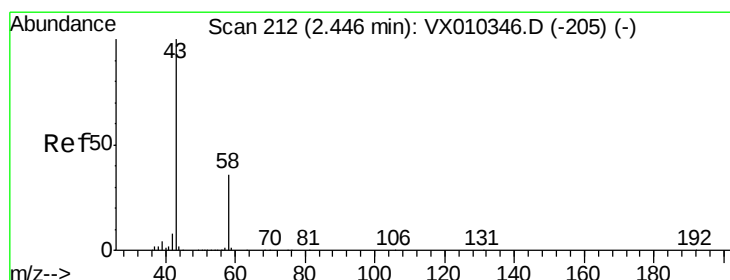
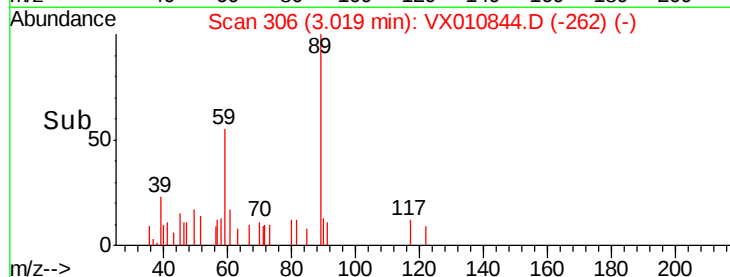
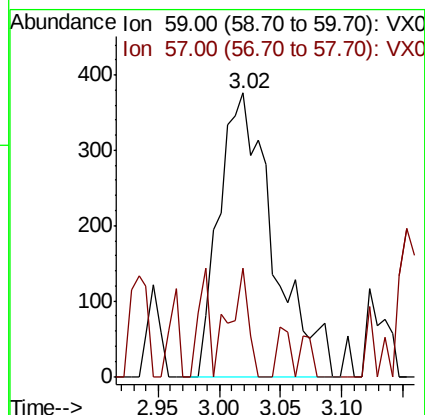
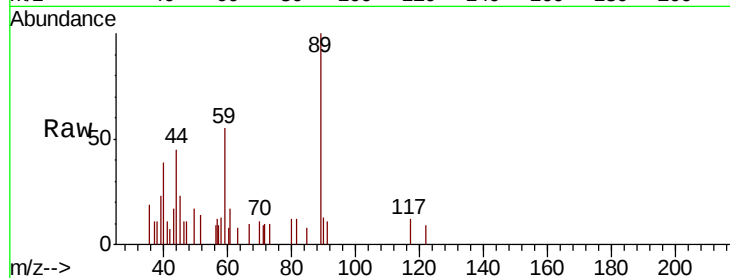


#11

Tert butyl alcohol
 Concen: 2.223 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010844.D
 Acq: 12 Jul 2019 18:23

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0590

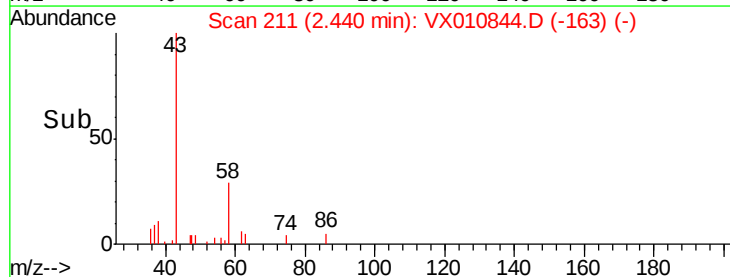
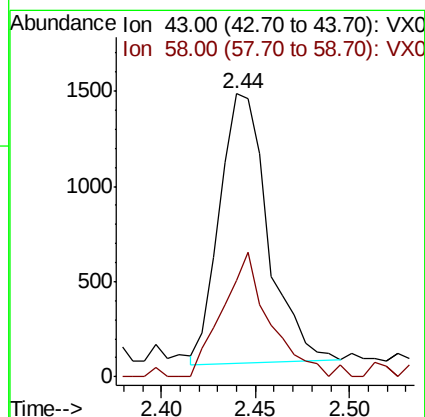
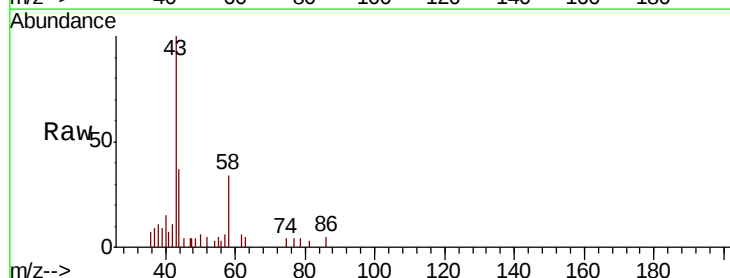
Tot Ion: 59 Resp: 1155
 Ion Ratio Lower Upper
 59 100
 57 8.6 7.7 11.5

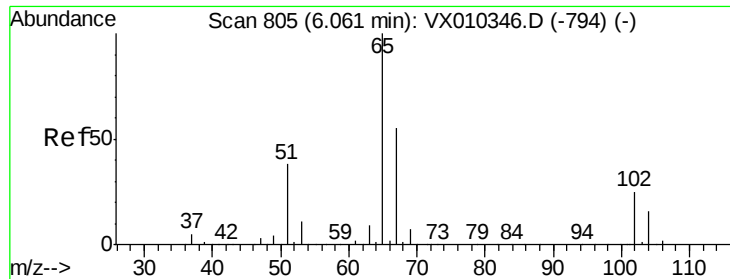


#16

Acetone
 Concen: 2.550 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX010844.D
 Acq: 12 Jul 2019 18:23

Tgt Ion: 43 Resp: 2537
 Ion Ratio Lower Upper
 43 100
 58 36.3 28.9 43.3





#33

1,2-Dichloroethane-d4

Concen: 55.570 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010844.D

Acq: 12 Jul 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

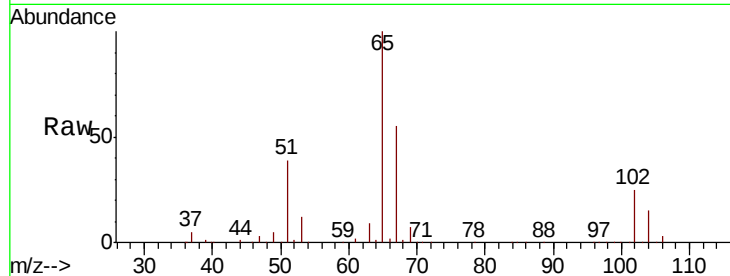
FL-0590

Tot Ion: 65 Resp: 110326

Ion Ratio Lower Upper

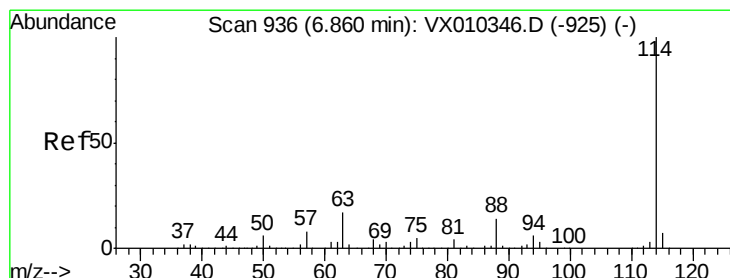
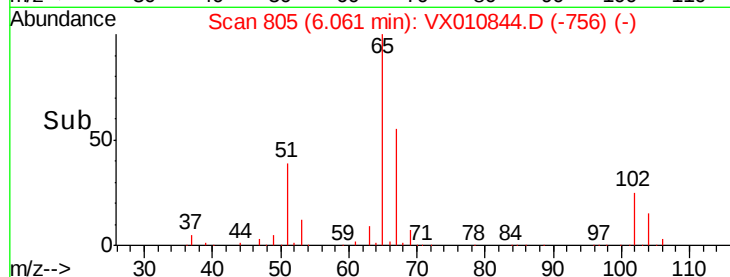
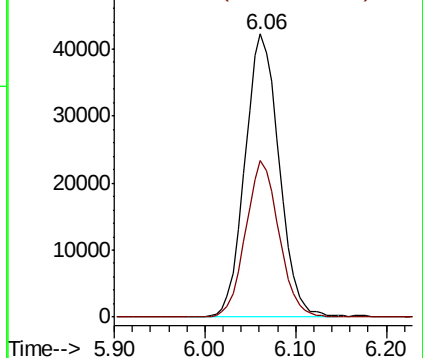
65 100

67 53.9 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010844.D

Acq: 12 Jul 2019 18:23

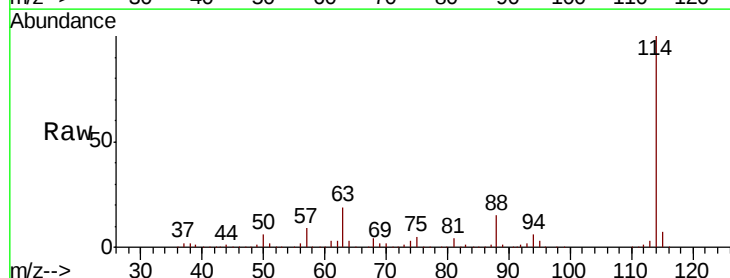
Tgt Ion: 114 Resp: 334493

Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.8

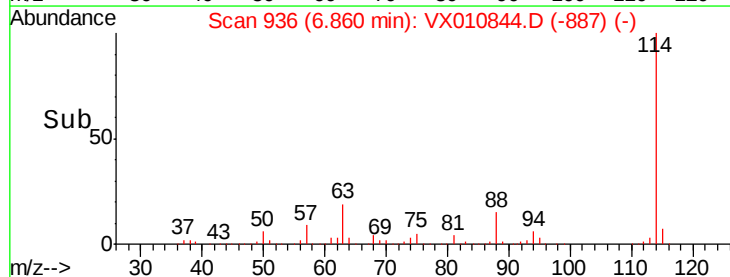
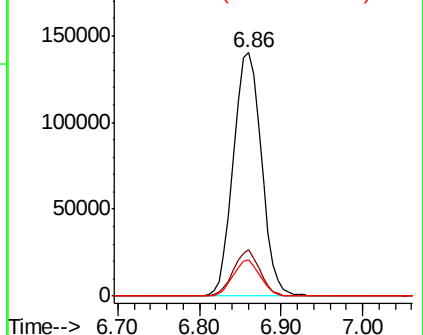
88 14.9 0.0 27.6

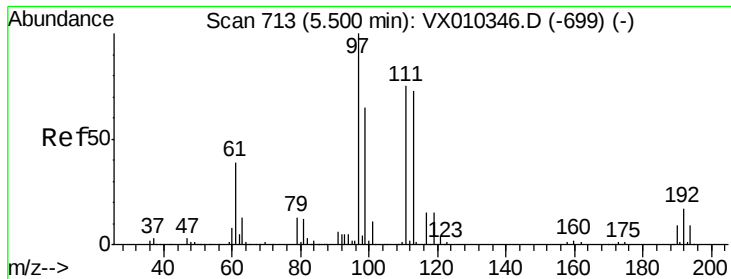


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.903 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010844.D

Acq: 12 Jul 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

FL-0590

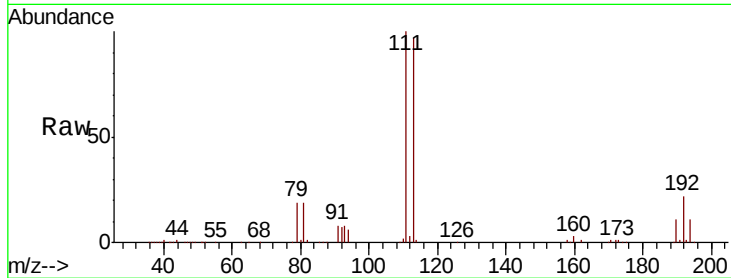
Tot Ion:113 Resp: 102128

Ion Ratio Lower Upper

113 100

111 102.7 81.2 121.8

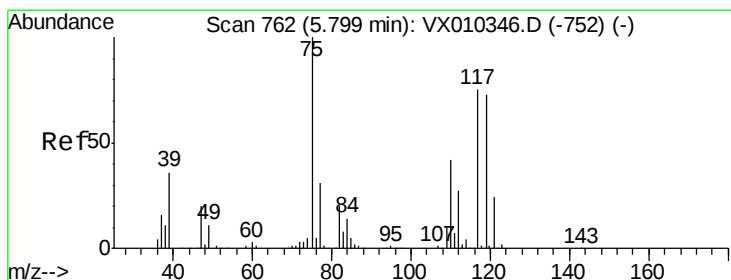
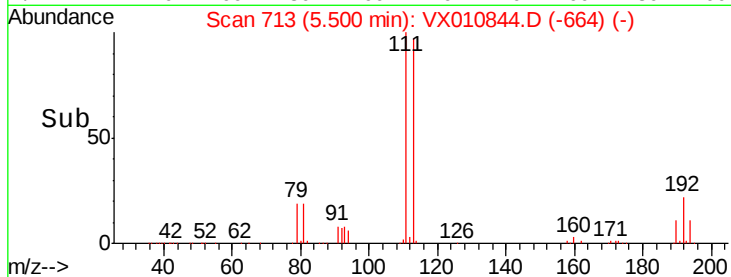
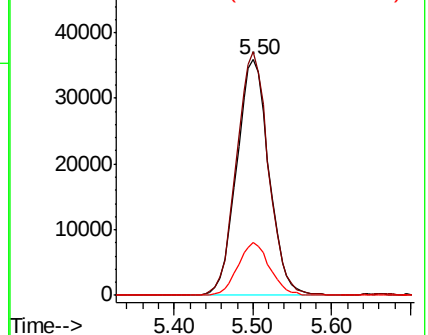
192 22.1 18.6 27.8



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



#36

1,1-Dichloropropene

Concen: 5.075 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010844.D

Acq: 12 Jul 2019 18:23

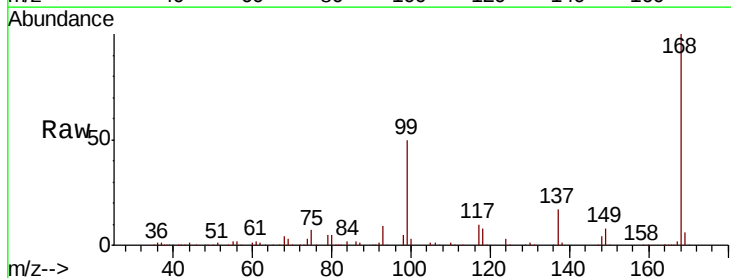
Tgt Ion: 75 Resp: 13489

Ion Ratio Lower Upper

75 100

110 12.0 20.8 62.2#

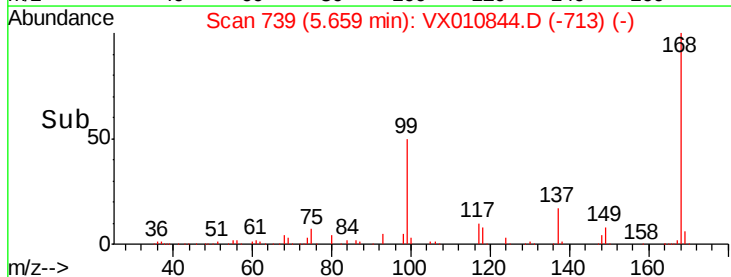
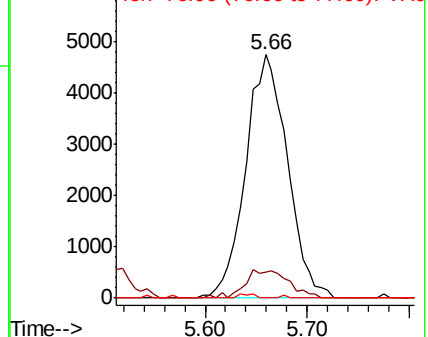
77 0.6 25.4 38.0#

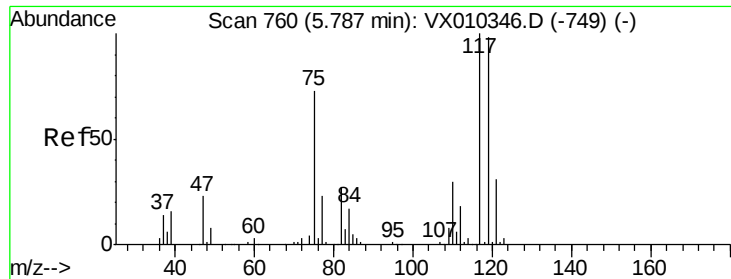


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

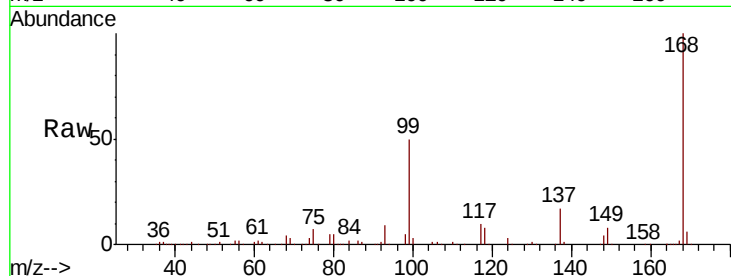




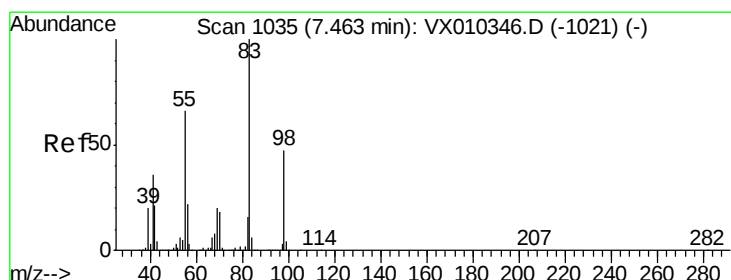
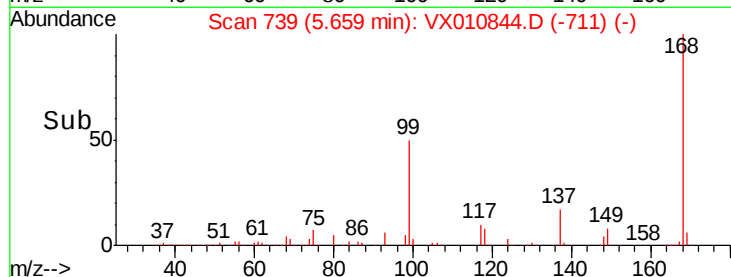
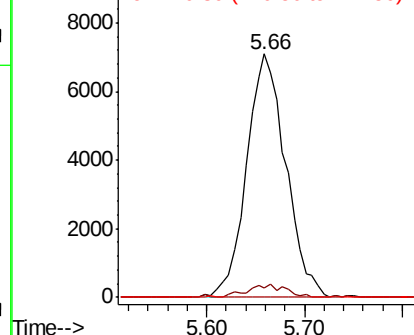
#38
Carbon Tetrachloride
Concen: 6.821 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010844.D
Acq: 12 Jul 2019 18:23

Instrument :
MSVOA_X
ClientSampled :
FL-0590

Tot Ion:117 Resp: 19634
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.4#
121 0.0 24.7 37.1#

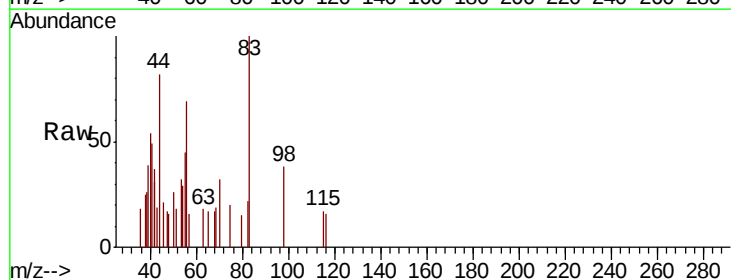


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

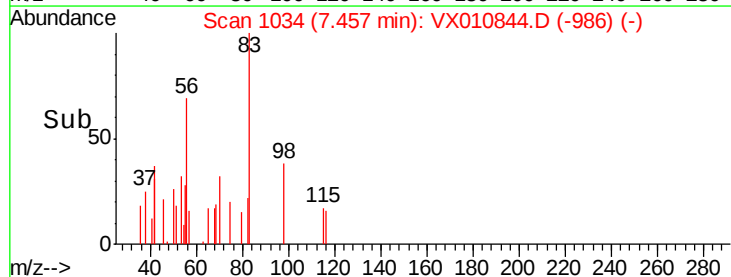
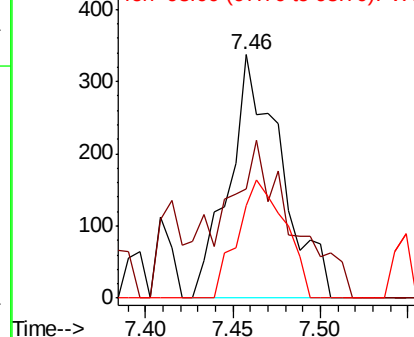


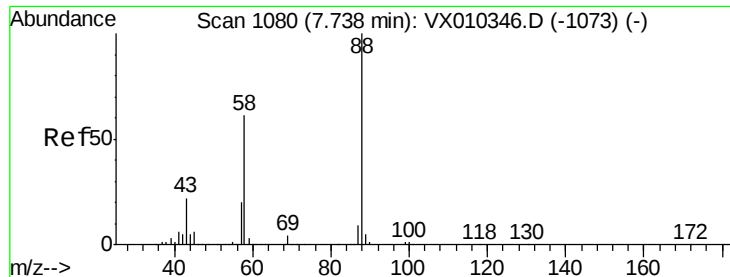
#39
Methylcyclohexane
Concen: 0.200 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010844.D
Acq: 12 Jul 2019 18:23

Tgt Ion: 83 Resp: 700
Ion Ratio Lower Upper
83 100
55 30.0 53.0 79.6#
98 38.3 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





#49

1,4-Dioxane

Concen: 0.330 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX010844.D

Acq: 12 Jul 2019 18:23

Instrument :

MSVOA_X

ClientSampled :

FL-0590

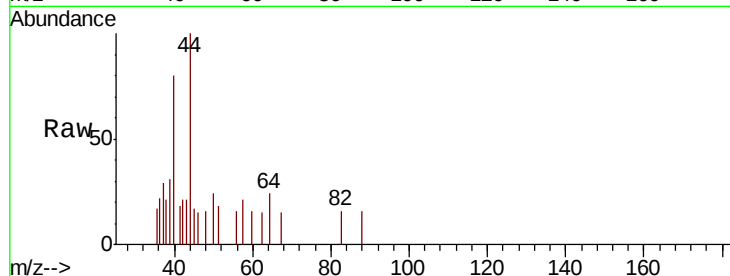
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 810.0 20.2 30.2#

58 95.0 49.5 74.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

150

100

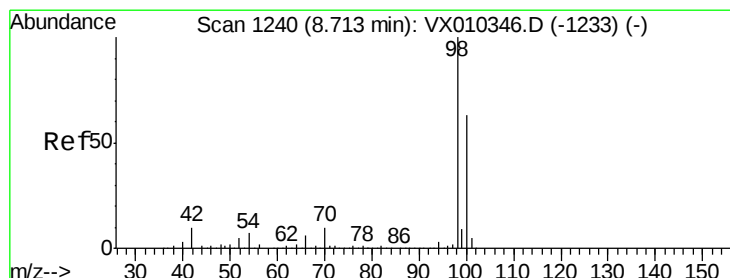
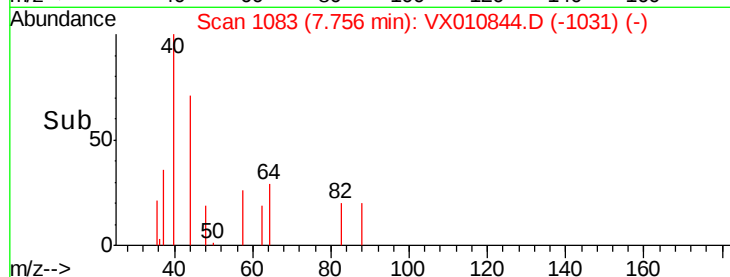
50

0

7.74 7.75 7.76 7.77

7.76

Time-->



#50

Toluene-d8

Concen: 50.720 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010844.D

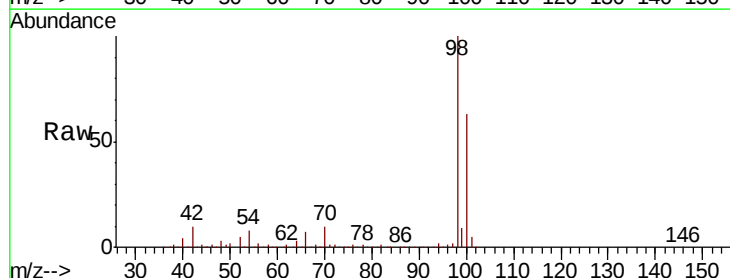
Acq: 12 Jul 2019 18:23

Tgt Ion: 98 Resp: 397121

Ion Ratio Lower Upper

98 100

100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

250000

200000

150000

100000

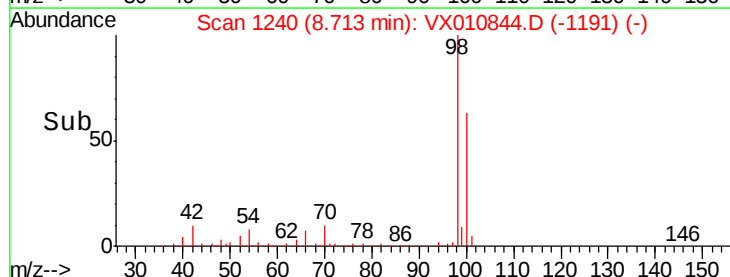
50000

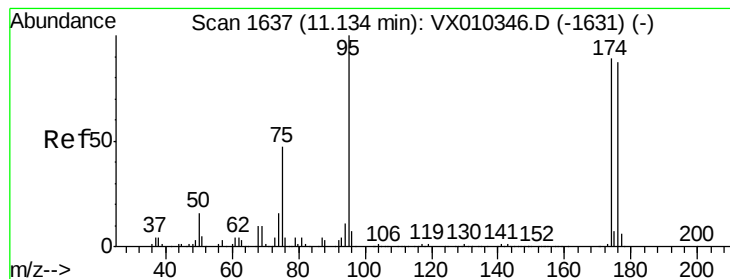
0

8.60 8.70 8.80

8.71

Time-->





#62

4-Bromofluorobenzene

Concen: 46.811 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010844.D

Acq: 12 Jul 2019 18:23

Instrument :

MSVOA_X

ClientSampled :

FL-0590

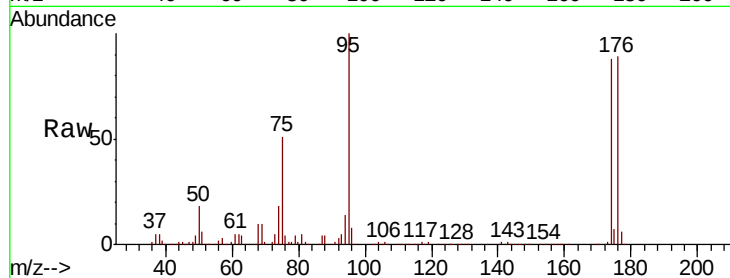
Tot Ion: 95 Resp: 132322

Ion Ratio Lower Upper

95 100

174 93.8 0.0 187.6

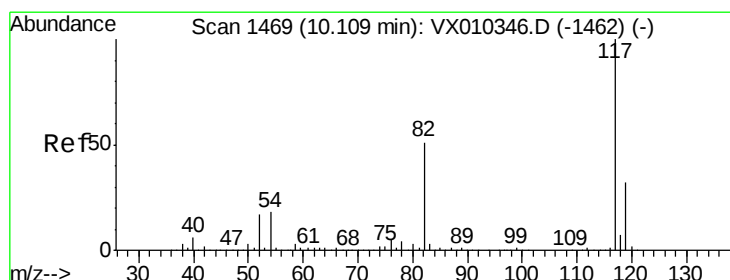
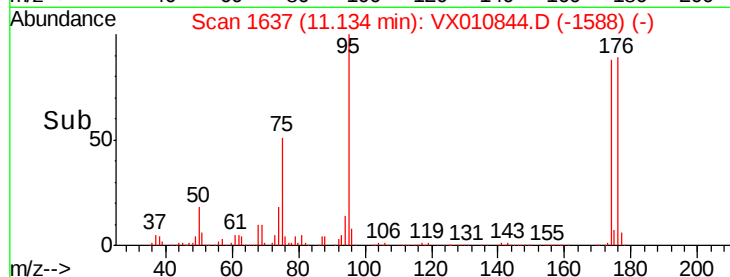
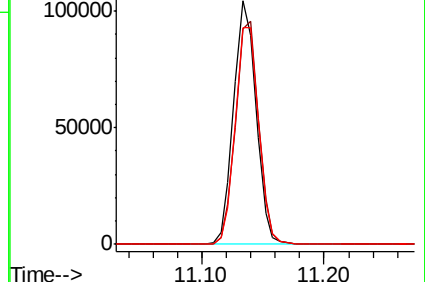
176 92.9 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010844.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010844.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010844.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010844.D

Acq: 12 Jul 2019 18:23

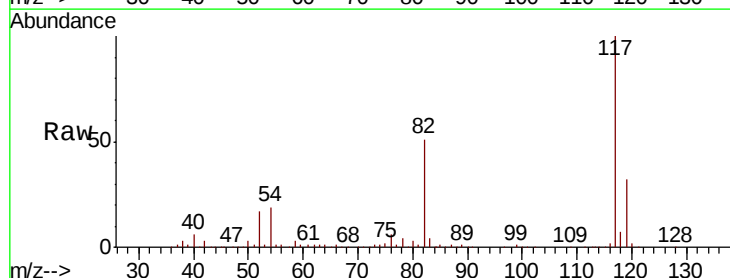
Tgt Ion: 117 Resp: 305291

Ion Ratio Lower Upper

117 100

82 51.4 41.2 61.8

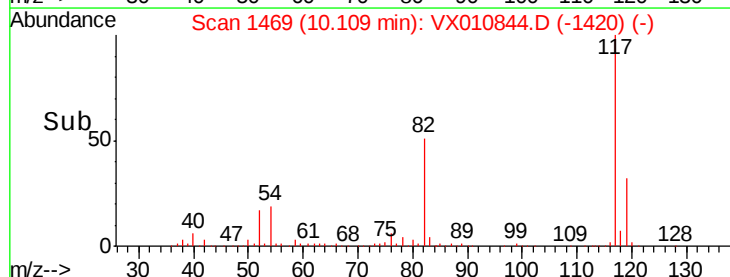
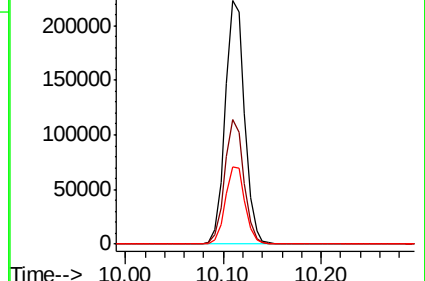
119 31.8 25.5 38.3

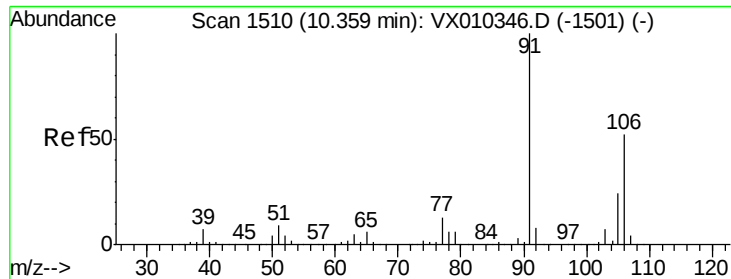


Abundance Ion 116.90 (116.60 to 117.60): VX010844.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010844.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010844.D (-1462) (-)

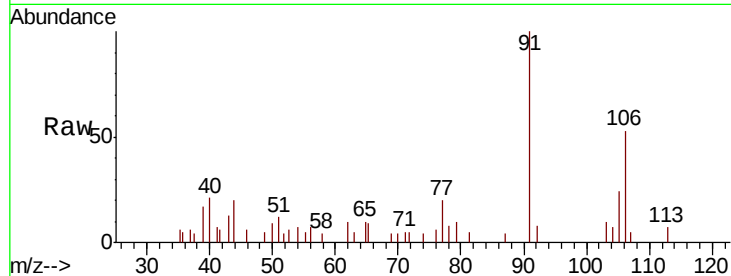




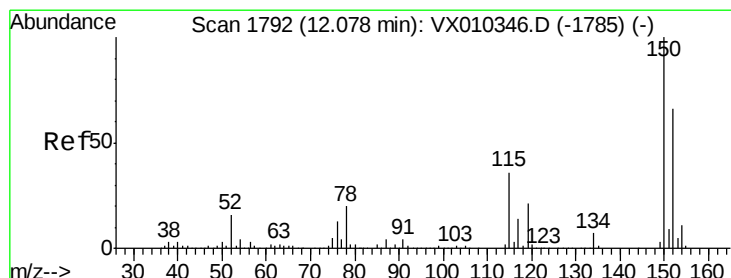
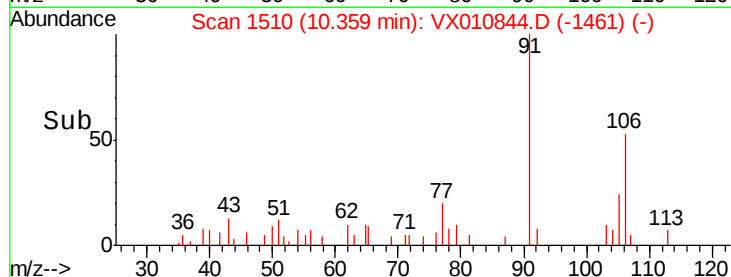
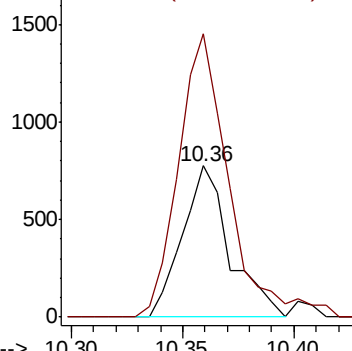
#68
m/p-Xvlenes
Concen: 0.282 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010844.D
Acq: 12 Jul 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
FL-0590

Tot Ion:106 Resp: 1143
Ion Ratio Lower Upper
106 100
91 199.5 155.3 232.9

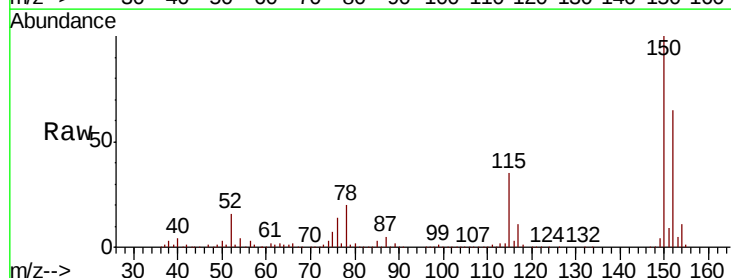


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

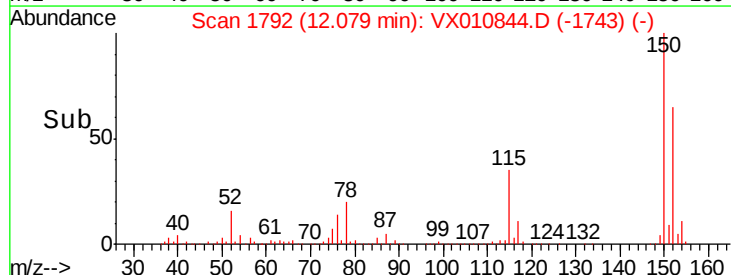
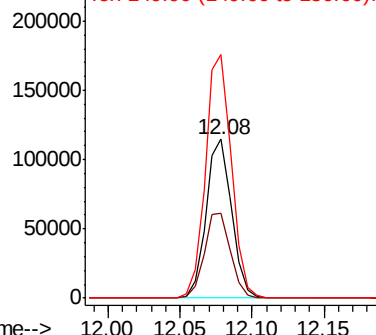


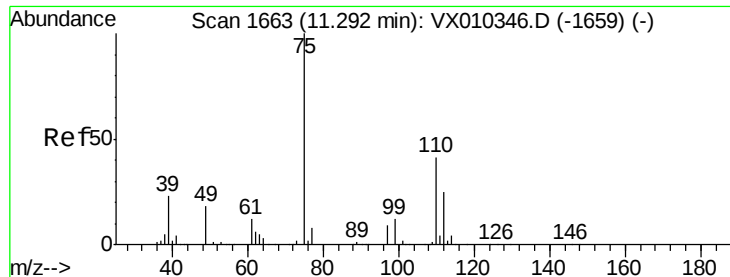
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010844.D
Acq: 12 Jul 2019 18:23

Tgt Ion:152 Resp: 141834
Ion Ratio Lower Upper
152 100
115 55.2 38.6 115.7
150 156.1 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

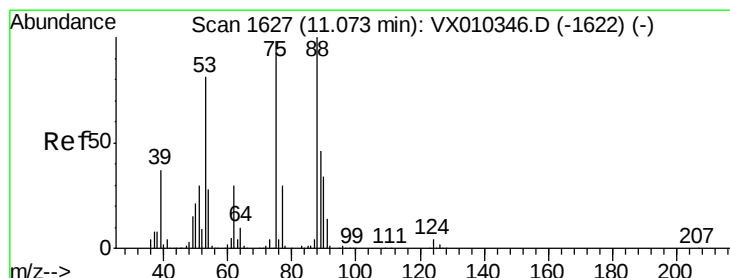
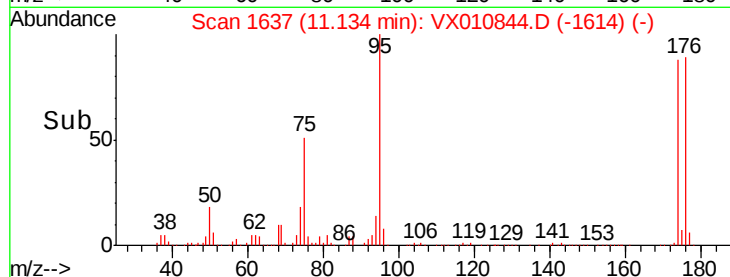
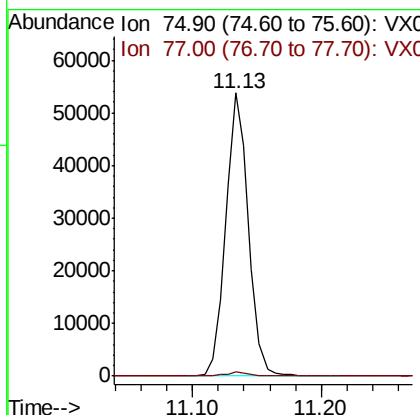
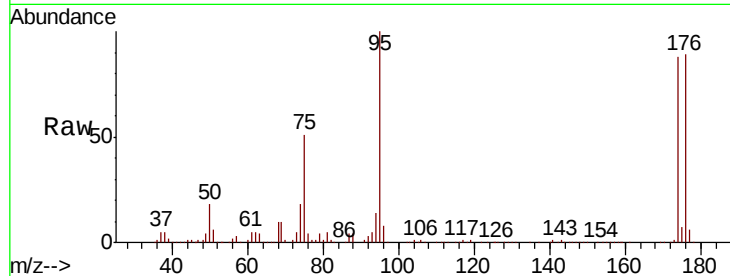




#76
 1,2,3-Trichloropropane
 Concen: 25.668 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010844.D
 Acq: 12 Jul 2019 18:23

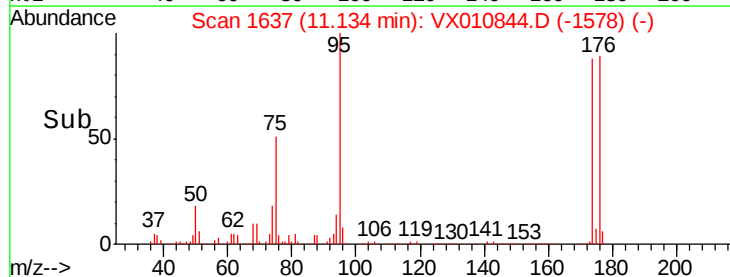
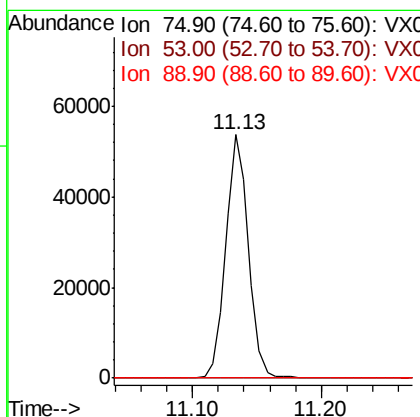
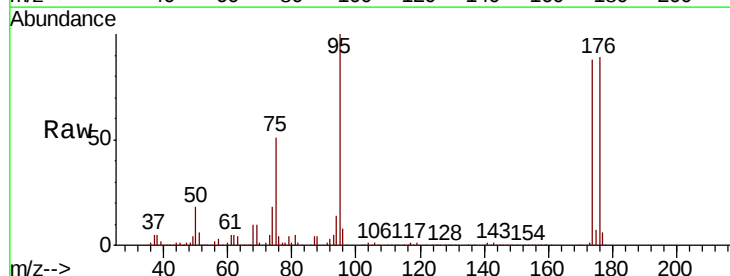
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0590

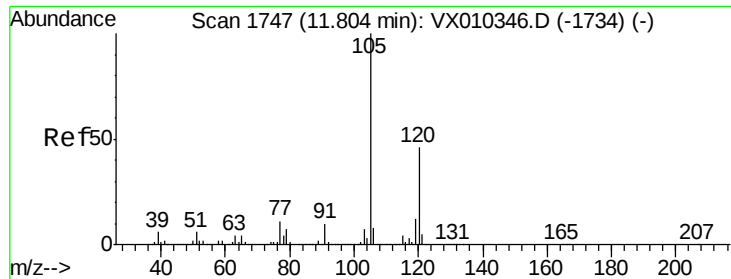
Tot Ion: 75 Resp: 66341
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.881 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010844.D
 Acq: 12 Jul 2019 18:23

Tgt Ion: 75 Resp: 66341
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.230 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX010844.D
 Acq: 12 Jul 2019 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0590

Tot Ion:105 Resp: 1834
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.1 69.2

