

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010858.D
 Acq On : 13 Jul 2019 00:12
 Operator : JC/SP
 Sample : K3791-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0601

Quant Time: Jul 13 05:15:36 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	5.66	168	238008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	376206	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	352013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173484	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	127308	57.05	ug/l	0.00
Spiked Amount			Recovery	=	114.10%	
35) Dibromofluoromethane	5.50	113	114738	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	8.71	98	454716	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.13	95	162999	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	

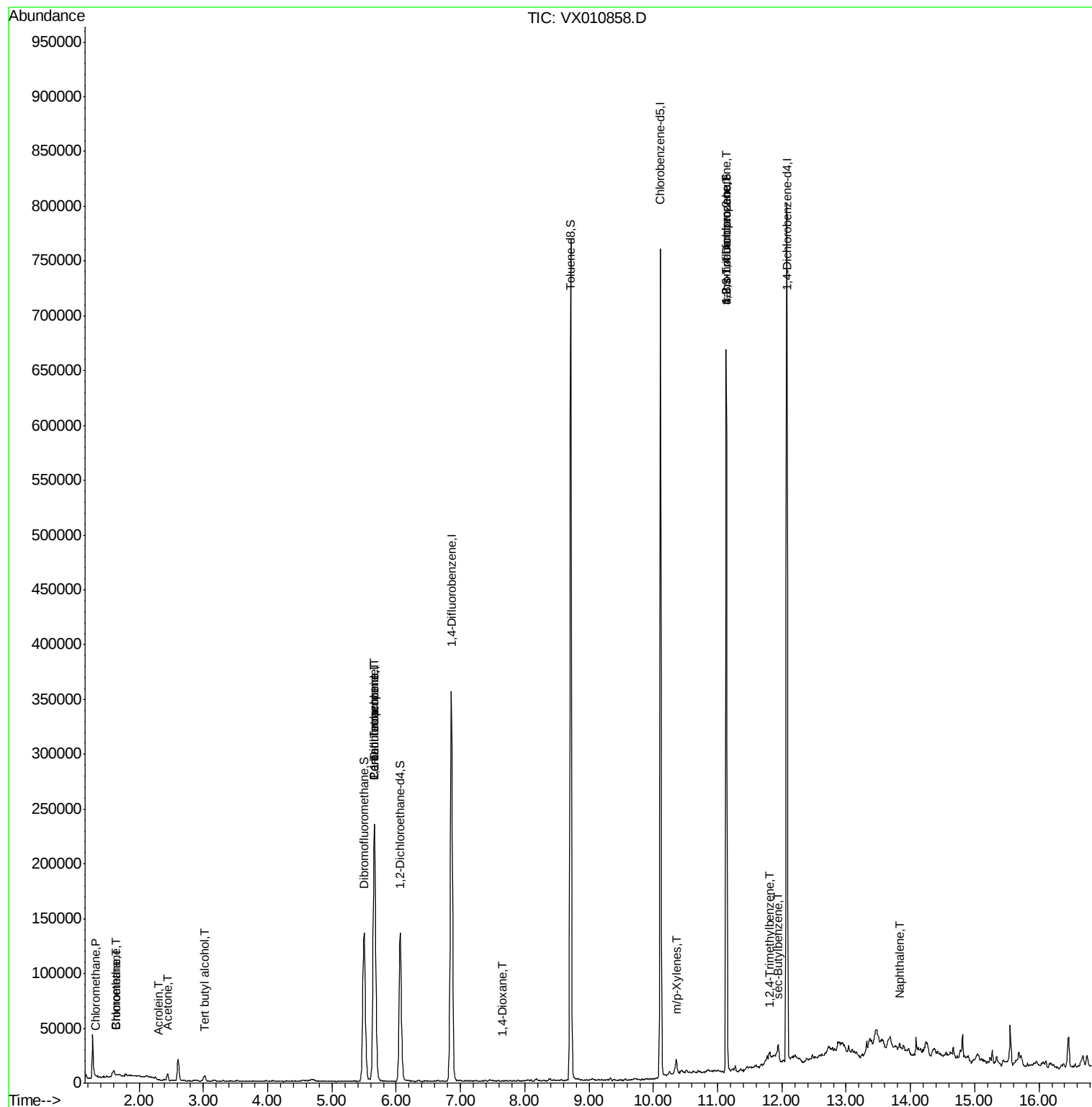
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1020	0.529	ug/l #	69
5) Bromomethane	1.65	94	581	0.565	ug/l	81
6) Chloroethane	1.65	64	4564	3.666	ug/l #	55
11) Tert butyl alcohol	3.02	59	2972	5.090	ug/l #	81
13) Acrolein	2.29	56	85	0.219	ug/l #	14
16) Acetone	2.45	43	6806	6.086	ug/l #	87
36) 1,1-Dichloropropene	5.66	75	15992	5.349	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22109	6.830	ug/l #	14
49) 1,4-Dioxane	7.64	88	22	0.323	ug/l #	1
68) m/p-Xylenes	10.36	106	2615	0.559	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	81781	25.869	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	81781	60.350	ug/l #	16
84) 1,2,4-Trimethylbenzene	11.80	105	2305	0.237	ug/l	100
85) sec-Butylbenzene	11.94	105	6757	0.591	ug/l	79
95) Naphthalene	13.83	128	4589	0.378	ug/l #	89

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010858.D

Acq: 13 Jul 2019 00:12

Instrument :

MSVOA_X

ClientSampleId :

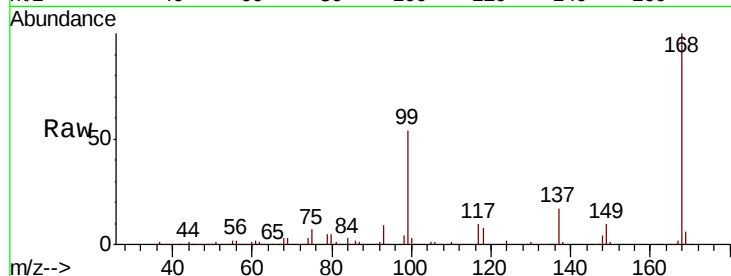
FL-0601

Tot Ion:168 Resp: 238008

Ion Ratio Lower Upper

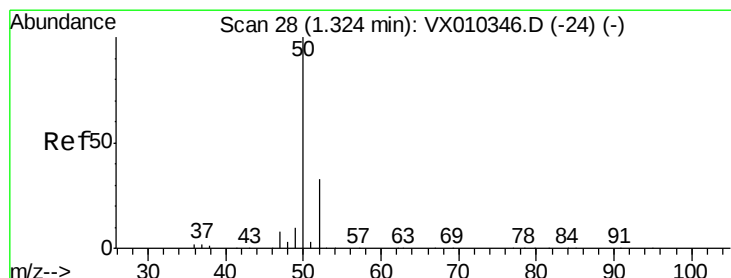
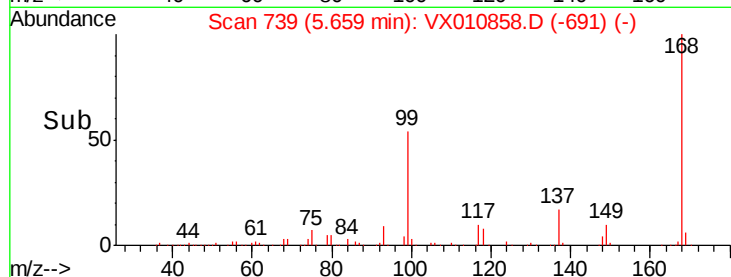
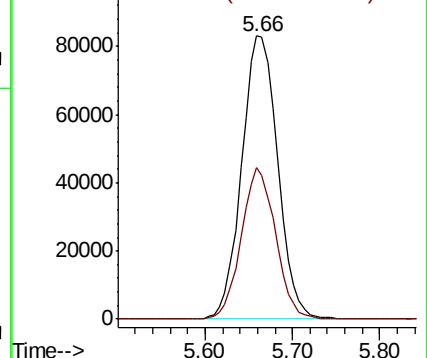
168 100

99 53.7 35.5 53.3#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.529 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010858.D

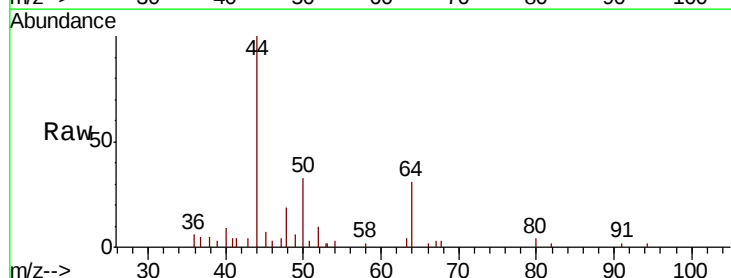
Acq: 13 Jul 2019 00:12

Tgt Ion: 50 Resp: 1020

Ion Ratio Lower Upper

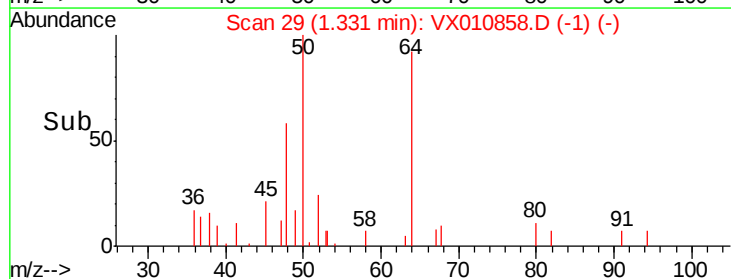
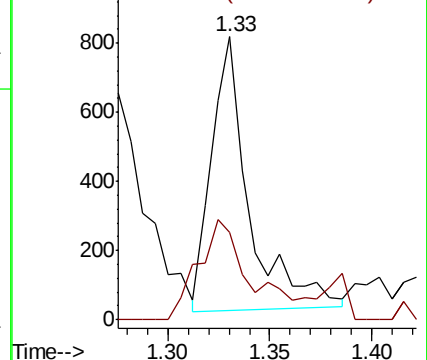
50 100

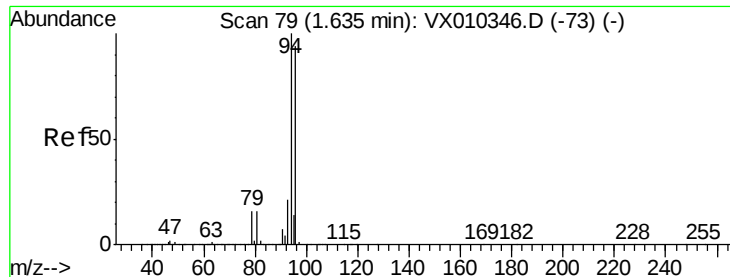
52 15.7 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.565 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010858.D

Acq: 13 Jul 2019 00:12

Instrument :

MSVOA_X

ClientSampleId :

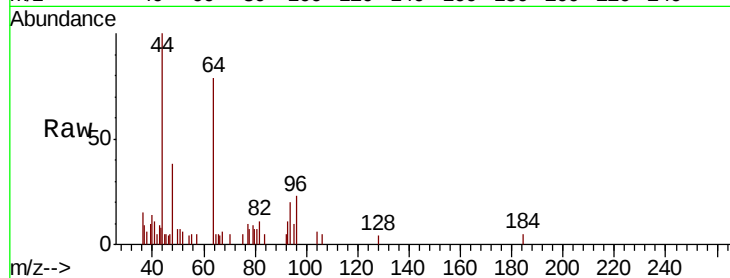
FL-0601

Tot Ion: 94 Resp: 581

Ion Ratio Lower Upper

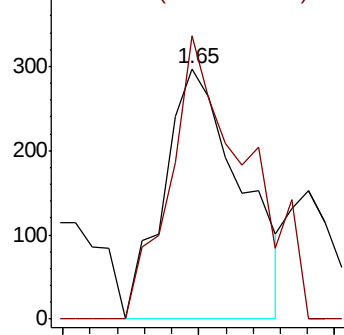
94 100

96 113.1 75.5 113.3

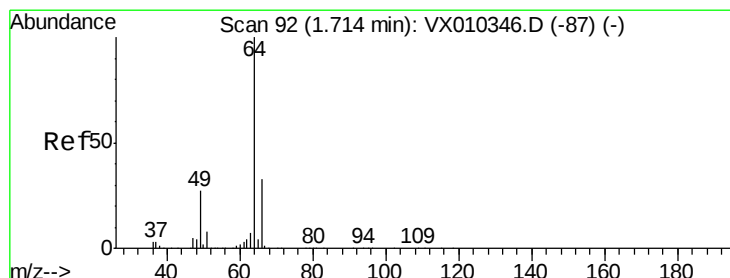
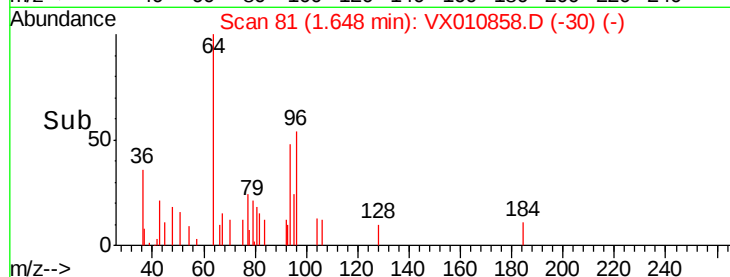


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 3.666 ug/l

RT: 1.65 min Scan# 81

Delta R.T. -0.07 min

Lab File: VX010858.D

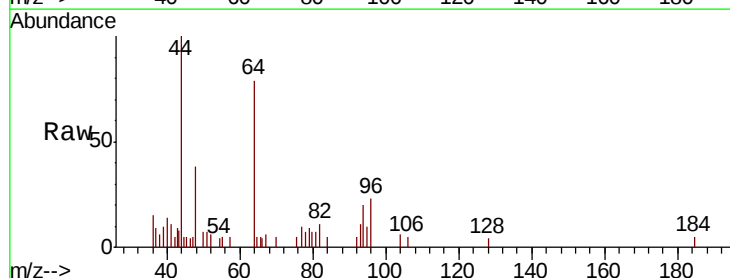
Acq: 13 Jul 2019 00:12

Tgt Ion: 64 Resp: 4564

Ion Ratio Lower Upper

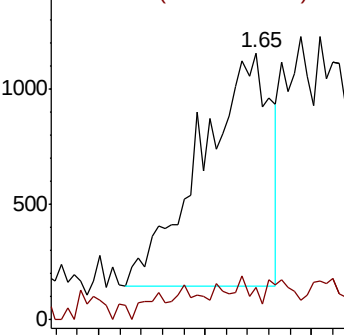
64 100

66 7.5 26.6 40.0#

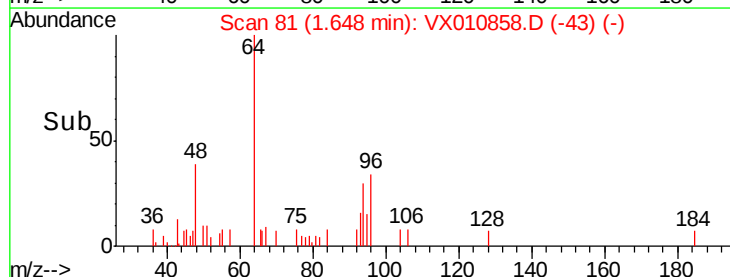


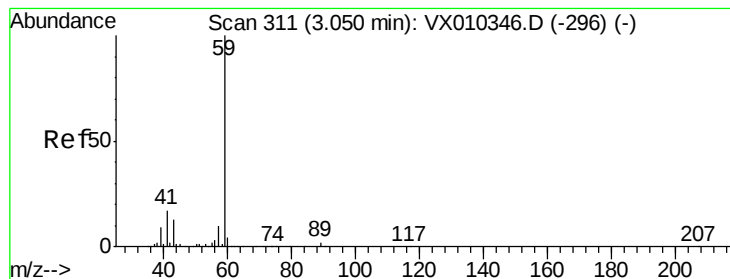
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



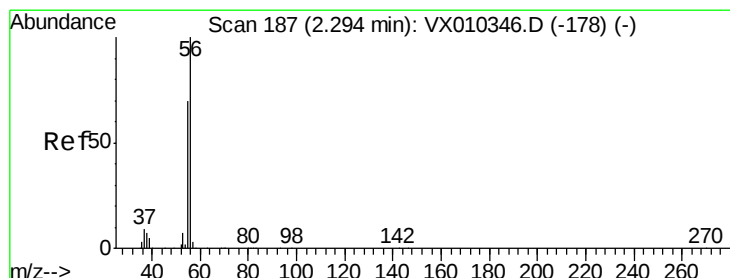
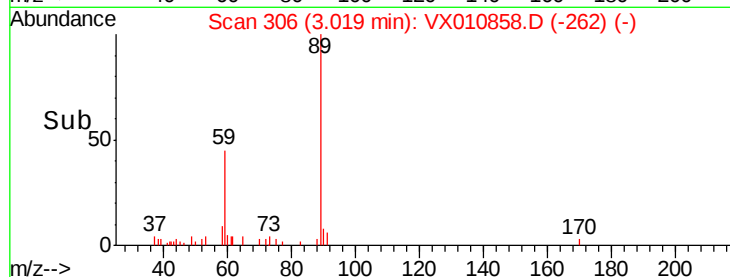
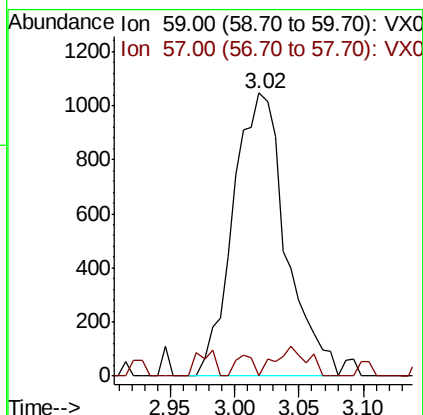
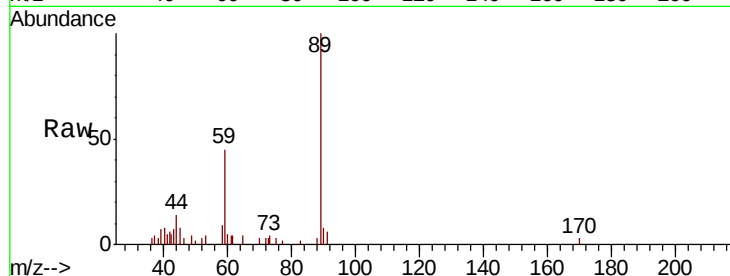


#11

Tert butyl alcohol
 Concen: 5.090 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010858.D
 Acq: 13 Jul 2019 00:12

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0601

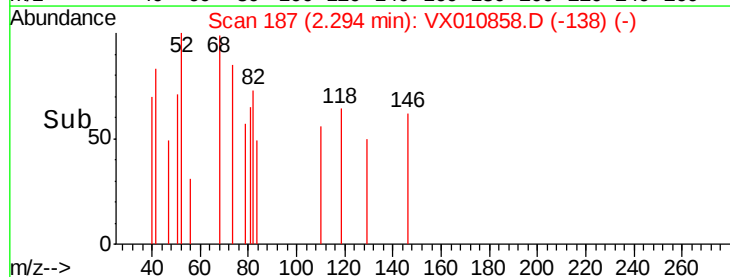
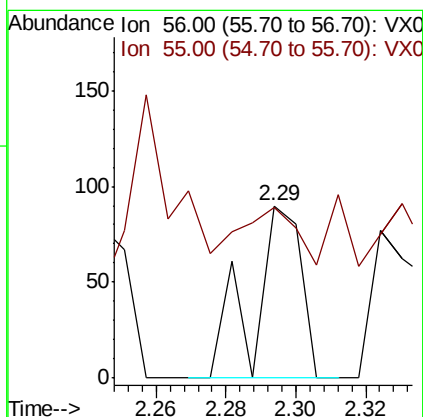
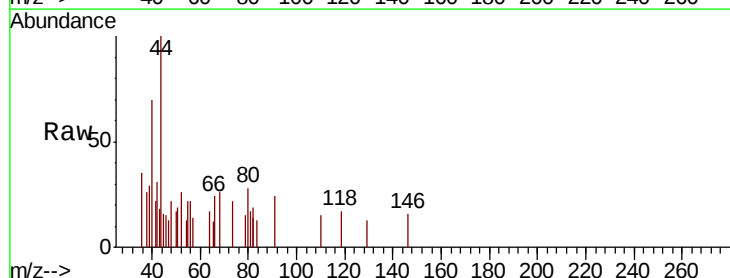
Tot Ion: 59 Resp: 2972
 Ion Ratio Lower Upper
 59 100
 57 2.5 7.7 11.5#

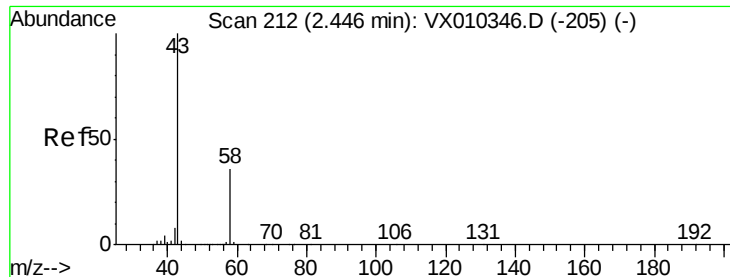


#13

Acrolein
 Concen: 0.219 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX010858.D
 Acq: 13 Jul 2019 00:12

Tgt Ion: 56 Resp: 85
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#16

Acetone

Concen: 6.086 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010858.D

Acq: 13 Jul 2019 00:12

Instrument :

MSVOA_X

ClientSampleId :

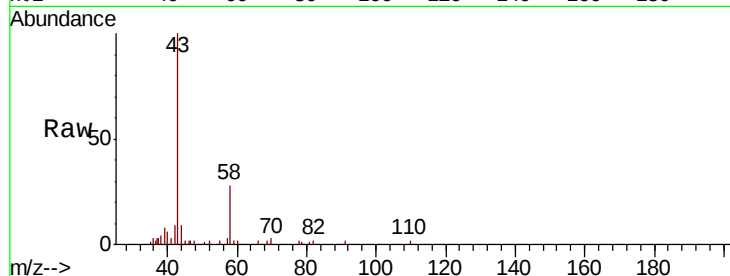
FL-0601

Tot Ion: 43 Resp: 6806

Ion Ratio Lower Upper

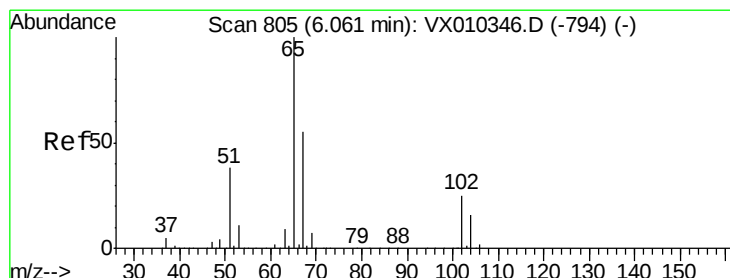
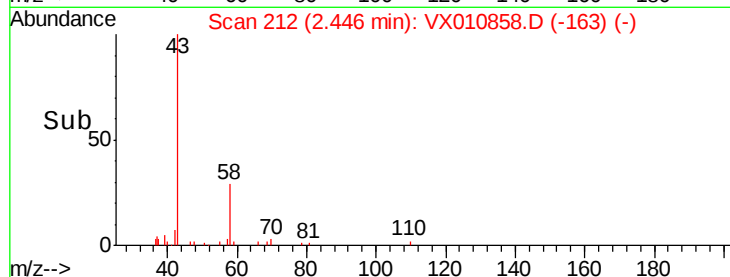
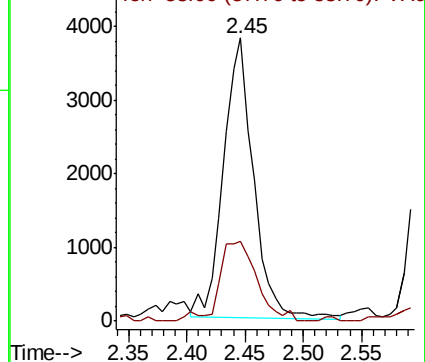
43 100

58 28.6 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 57.049 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010858.D

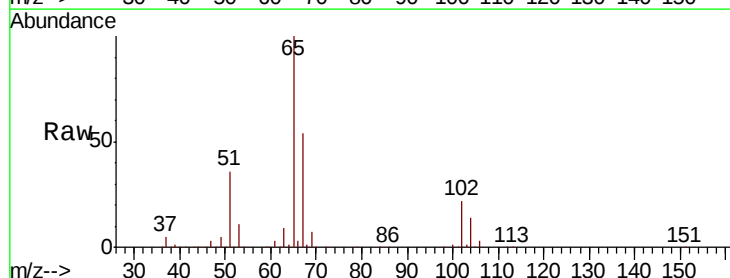
Acq: 13 Jul 2019 00:12

Tgt Ion: 65 Resp: 127308

Ion Ratio Lower Upper

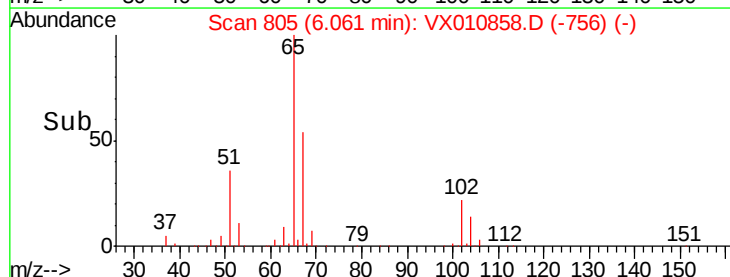
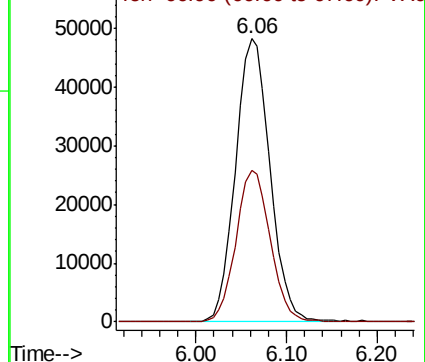
65 100

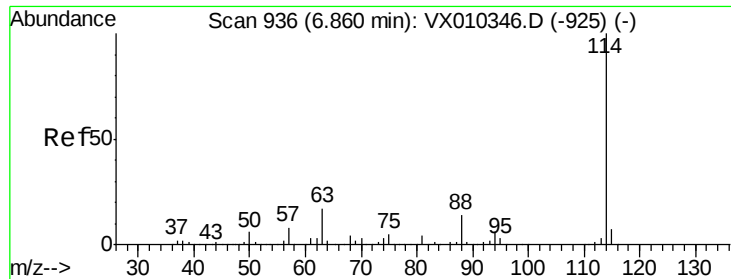
67 53.4 0.0 110.2



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: VX010858.D

Acq: 13 Jul 2019 00:12

Instrument :

MSVOA_X

ClientSampleId :

FL-0601

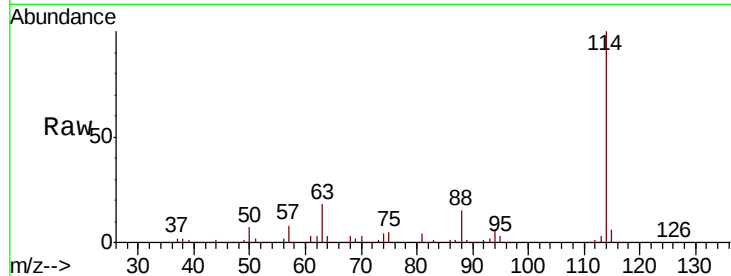
Tot Ion:114 Resp: 376206

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.8

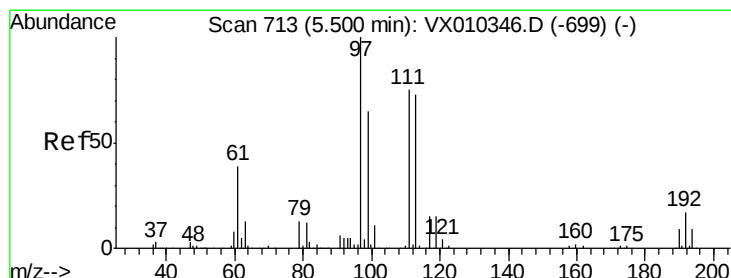
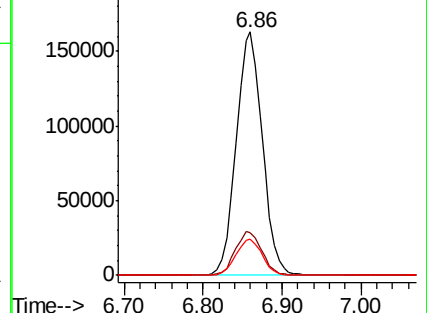
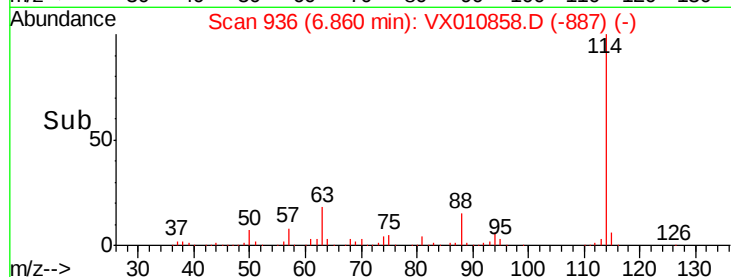
88 15.1 0.0 27.6



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: 49.848 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010858.D

Acq: 13 Jul 2019 00:12

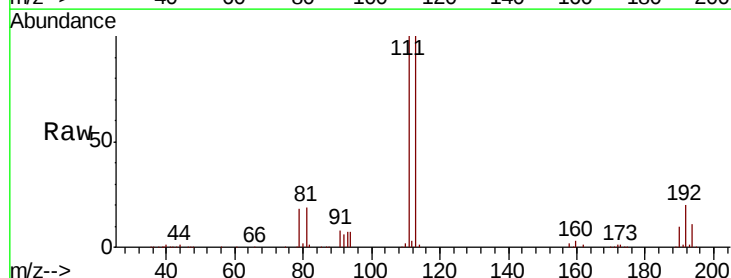
Tgt Ion:113 Resp: 114738

Ion Ratio Lower Upper

113 100

111 101.2 81.2 121.8

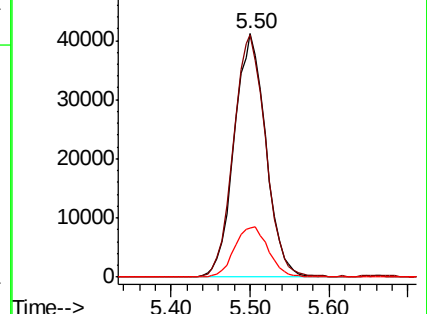
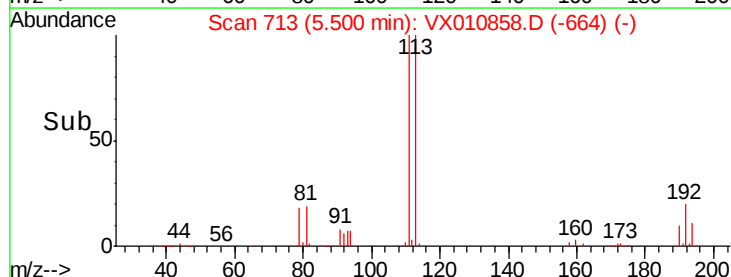
192 22.2 18.6 27.8

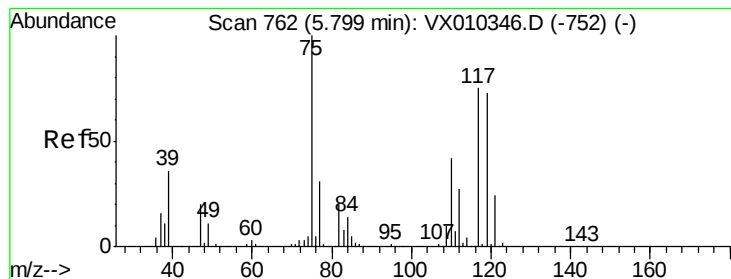


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.349 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010858.D

Acq: 13 Jul 2019 00:12

Instrument :

MSVOA_X

ClientSampleId :

FL-0601

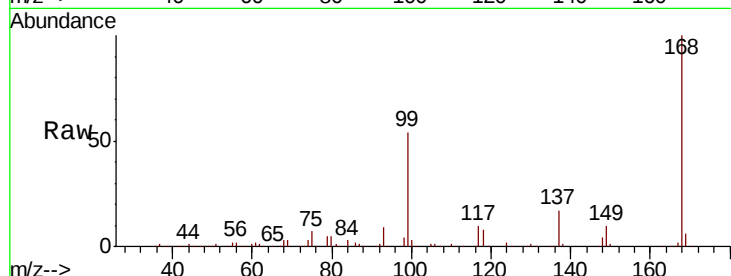
Tot Ion: 75 Resp: 15992

Ion Ratio Lower Upper

75 100

110 11.0 20.8 62.2#

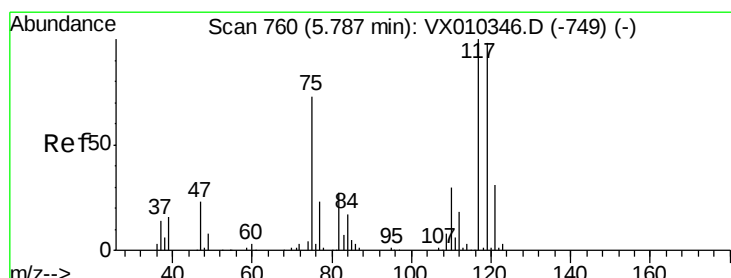
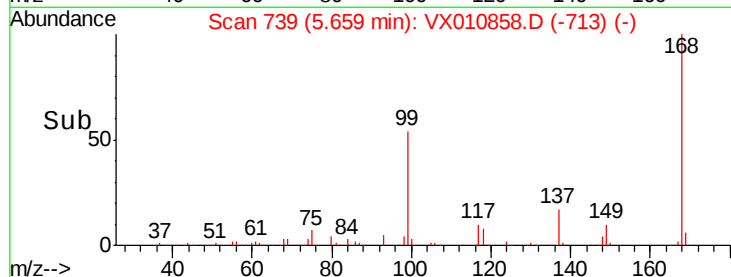
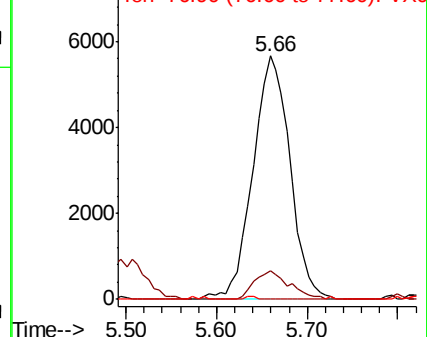
77 0.0 25.4 38.0#



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: 6.830 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010858.D

Acq: 13 Jul 2019 00:12

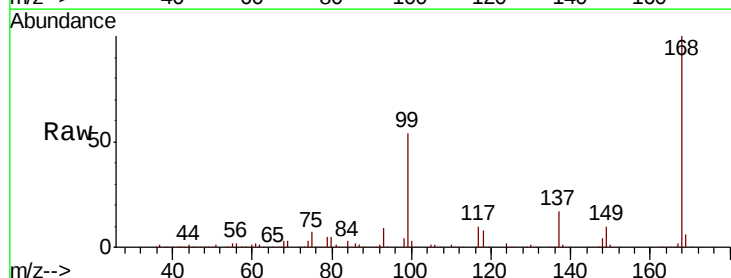
Tgt Ion: 117 Resp: 22109

Ion Ratio Lower Upper

117 100

119 3.8 78.2 117.4#

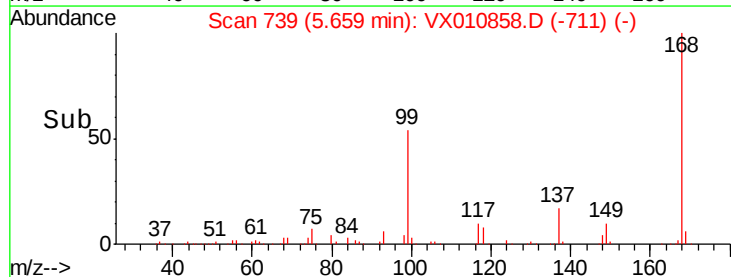
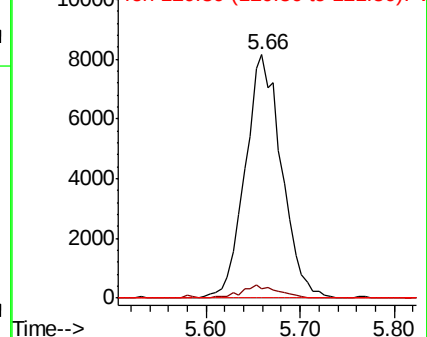
121 0.0 24.7 37.1#

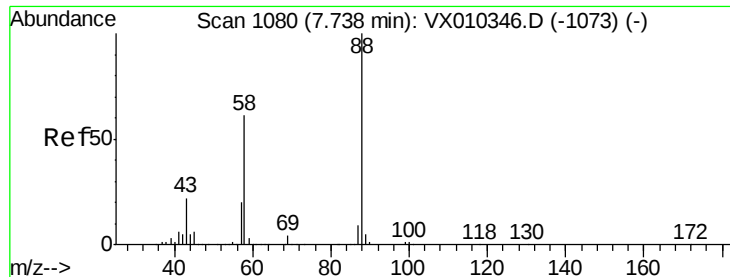


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

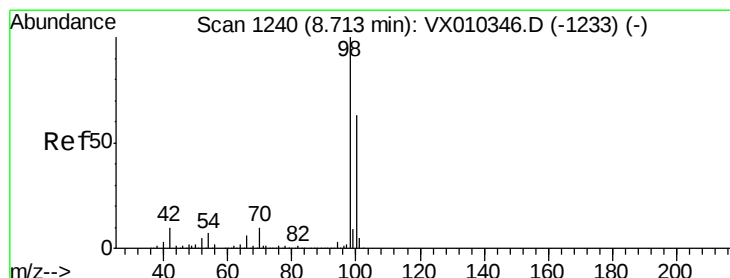
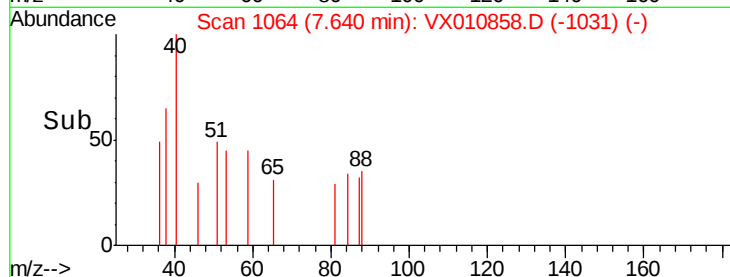
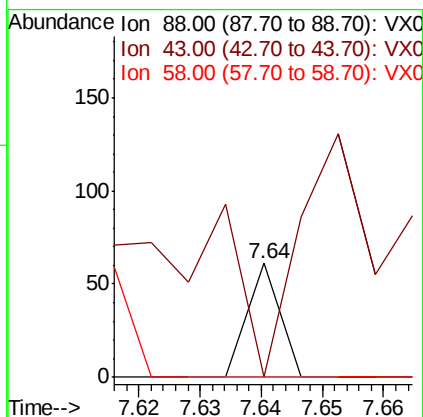
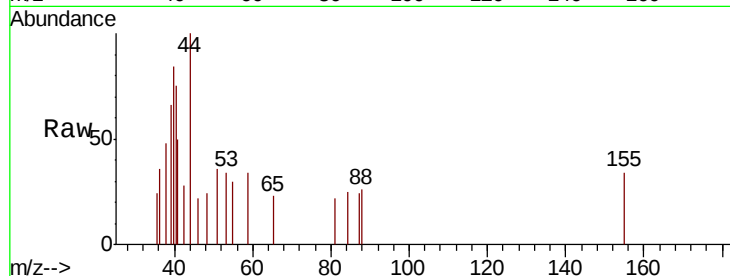




#49
1,4-Dioxane
Concen: 0.323 ug/l
RT: 7.64 min Scan# 1064
Delta R.T. -0.10 min
Lab File: VX010858.D
Acq: 13 Jul 2019 00:12

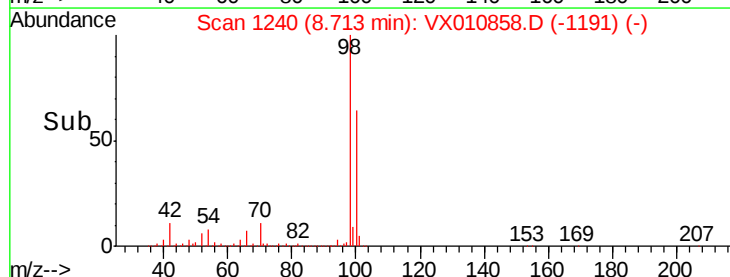
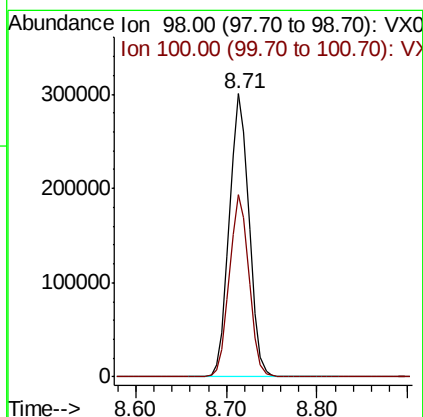
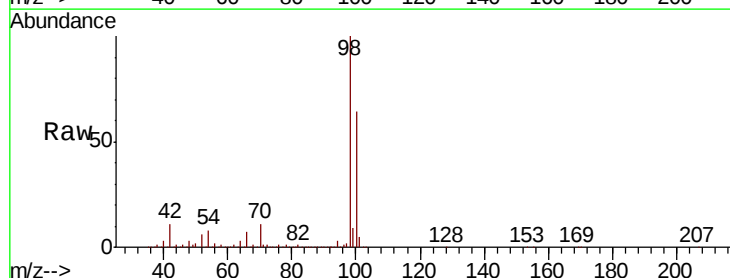
Instrument :
MSVOA_X
ClientSampled :
FL-0601

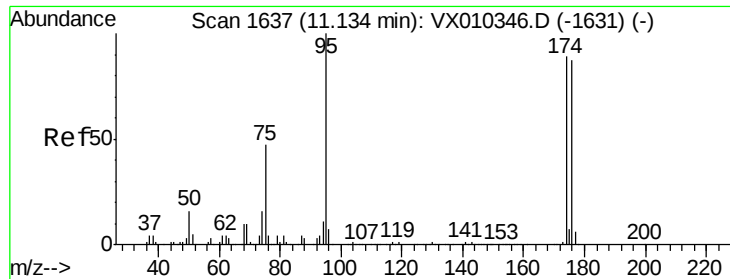
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 477.3 20.2 30.2#
58 0.0 49.5 74.3#



#50
Toluene-d8
Concen: 51.636 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010858.D
Acq: 13 Jul 2019 00:12

Tgt Ion: 98 Resp: 454716
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 51.270 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010858.D

Acq: 13 Jul 2019 00:12

Instrument :

MSVOA_X

ClientSampleId :

FL-0601

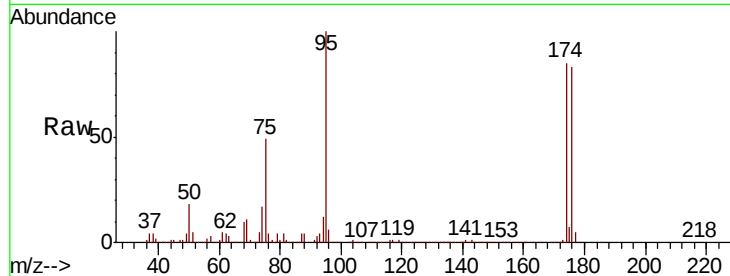
Tot Ion: 95 Resp: 162999

Ion Ratio Lower Upper

95 100

174 92.3 0.0 187.6

176 89.4 0.0 184.0

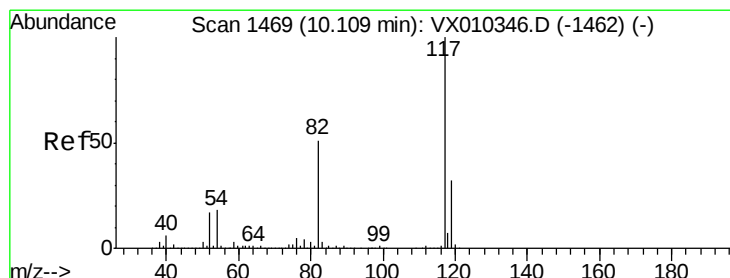
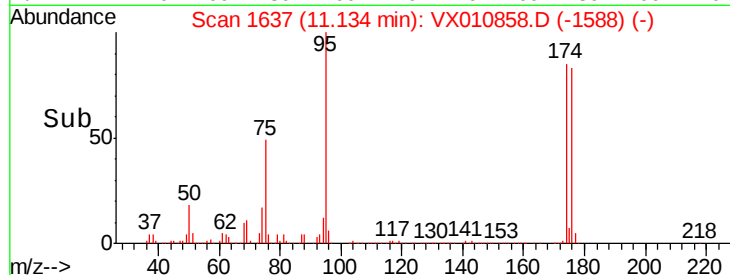


Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010858.D

Acq: 13 Jul 2019 00:12

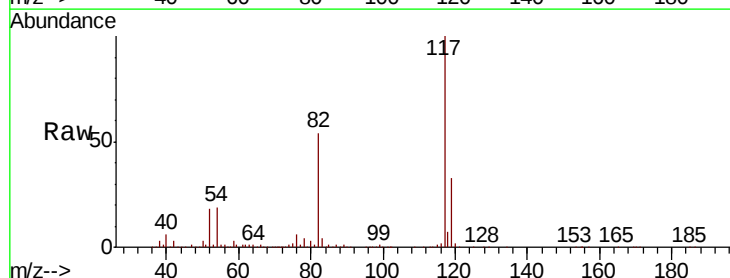
Tgt Ion: 117 Resp: 352013

Ion Ratio Lower Upper

117 100

82 53.6 41.2 61.8

119 32.5 25.5 38.3

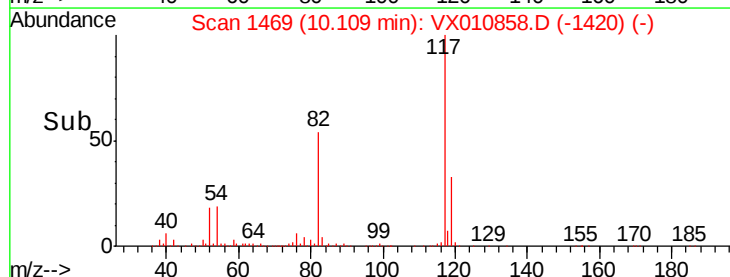


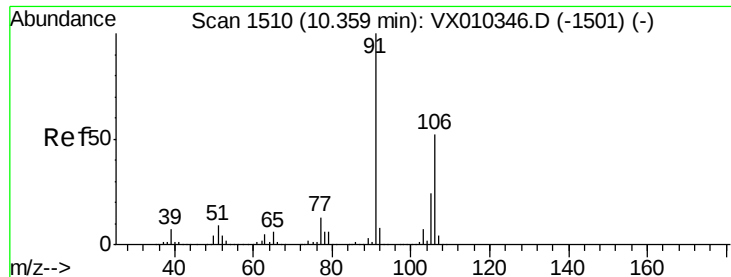
Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

Time-->

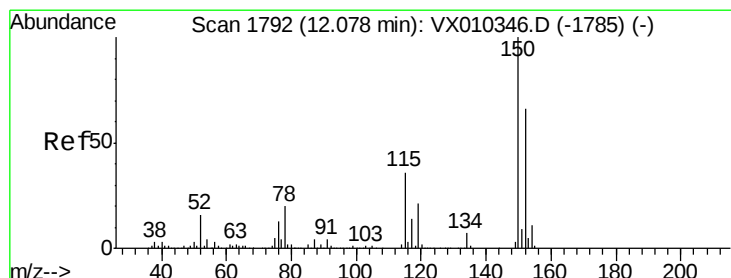
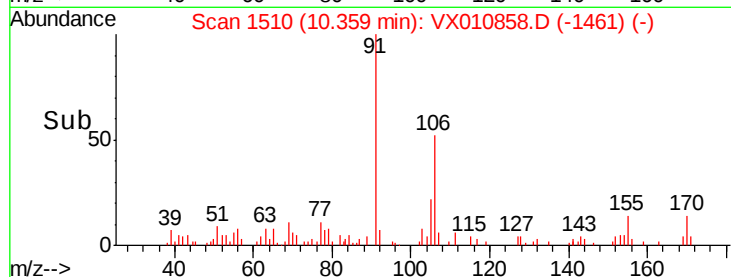
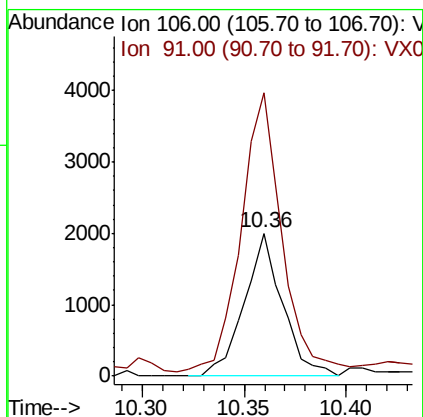
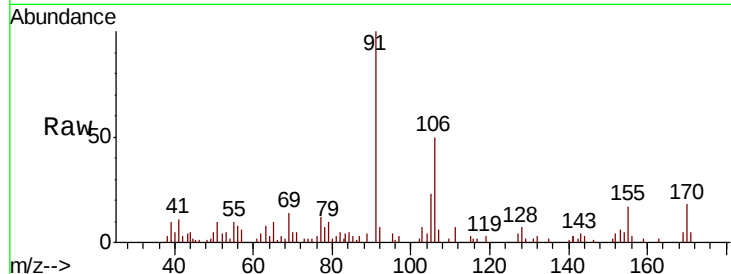




#68
m/p-Xvlenes
Concen: 0.559 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010858.D
Acq: 13 Jul 2019 00:12

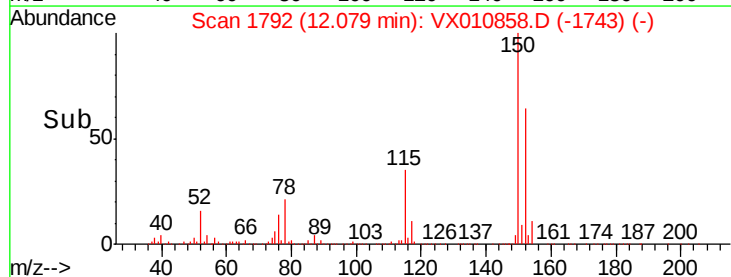
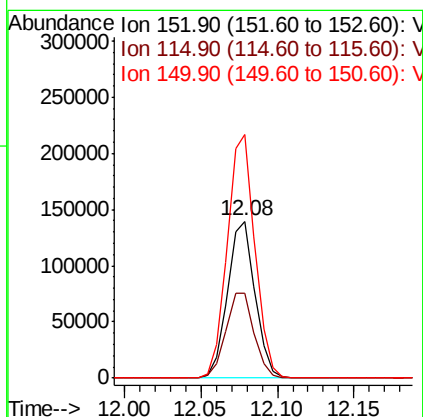
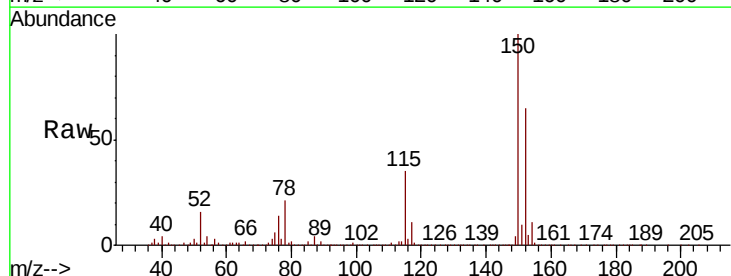
Instrument :
MSVOA_X
ClientSampleId :
FL-0601

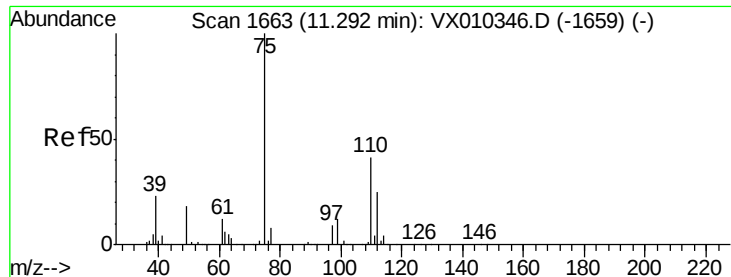
Tot Ion:106 Resp: 2615
Ion Ratio Lower Upper
106 100
91 204.8 155.3 232.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010858.D
Acq: 13 Jul 2019 00:12

Tgt Ion:152 Resp: 173484
Ion Ratio Lower Upper
152 100
115 55.7 38.6 115.7
150 156.2 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 25.869 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010858.D

Acq: 13 Jul 2019 00:12

Instrument :

MSVOA_X

ClientSampled :

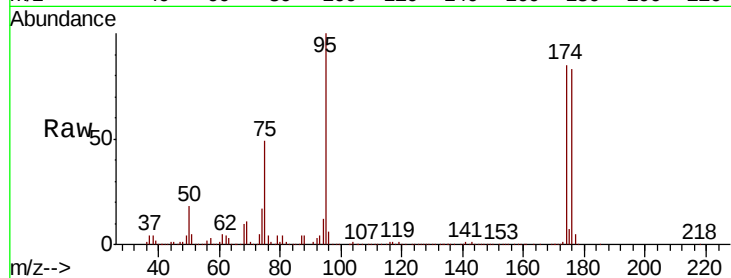
FL-0601

Tot Ion: 75 Resp: 81781

Ion Ratio Lower Upper

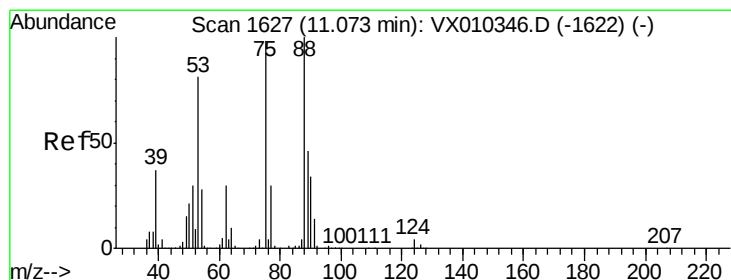
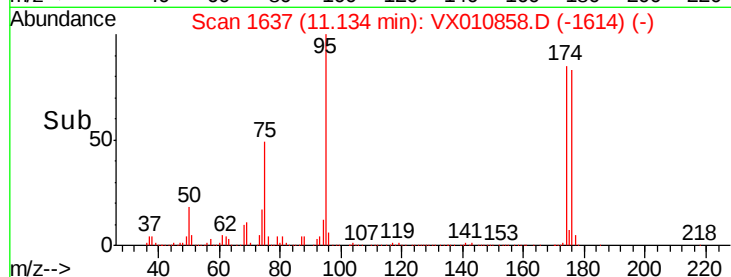
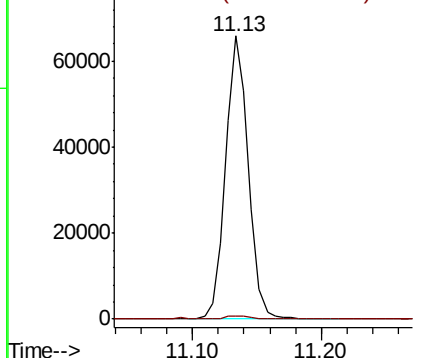
75 100

77 1.5 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 60.350 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010858.D

Acq: 13 Jul 2019 00:12

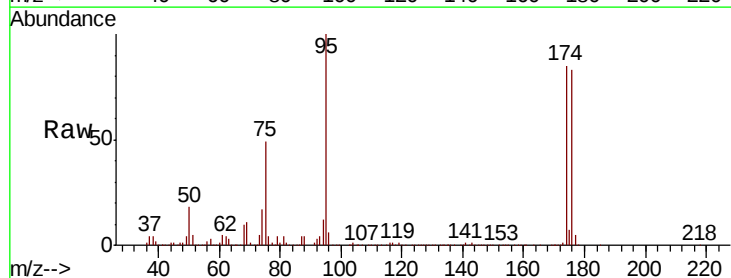
Tgt Ion: 75 Resp: 81781

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

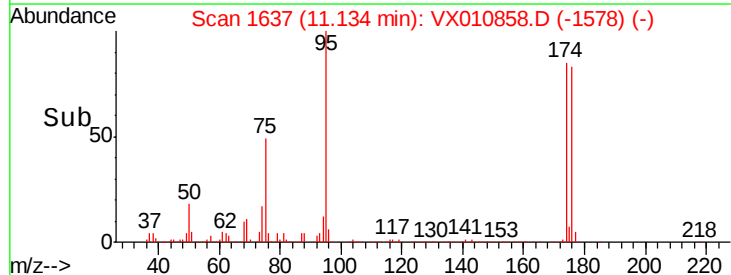
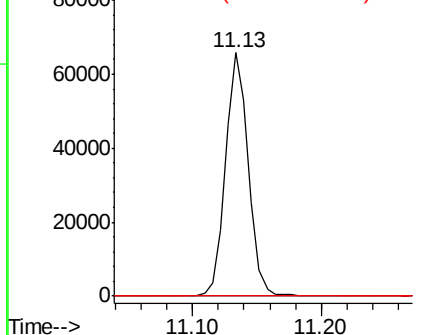
89 0.1 37.8 56.6#

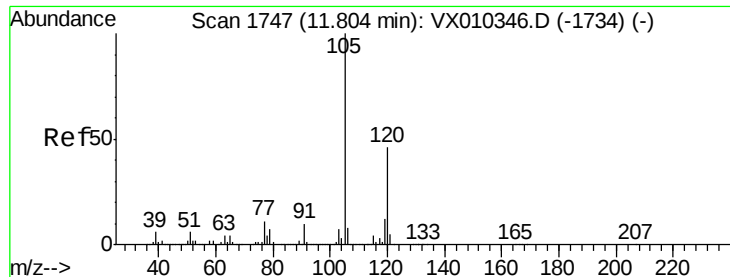


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

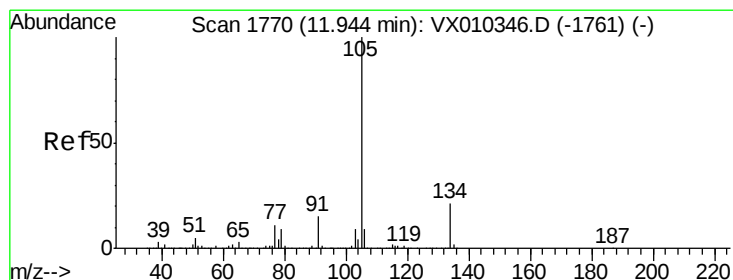
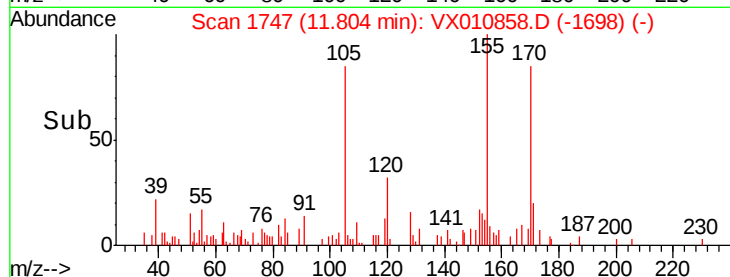
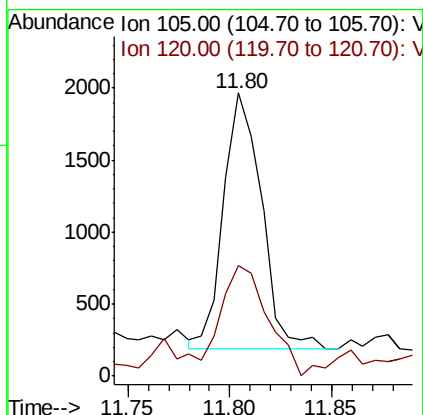
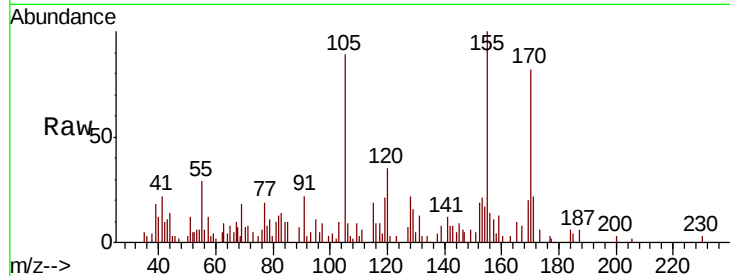




#84
 1,2,4-Trimethylbenzene
 Concen: 0.237 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010858.D
 Acq: 13 Jul 2019 00:12

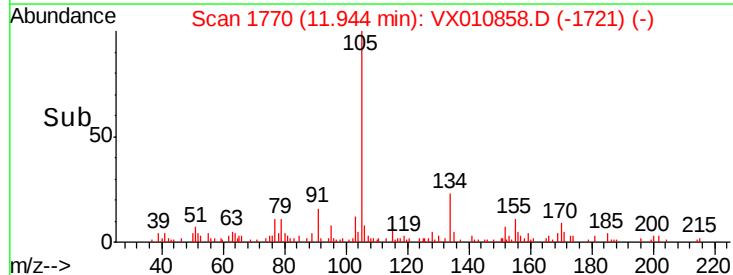
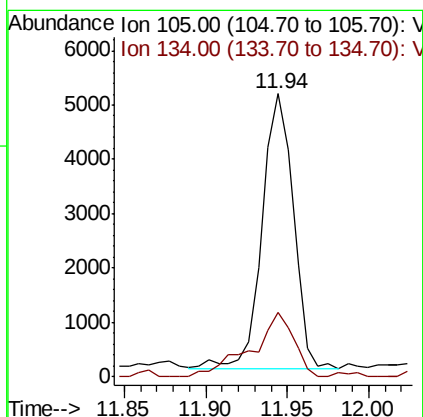
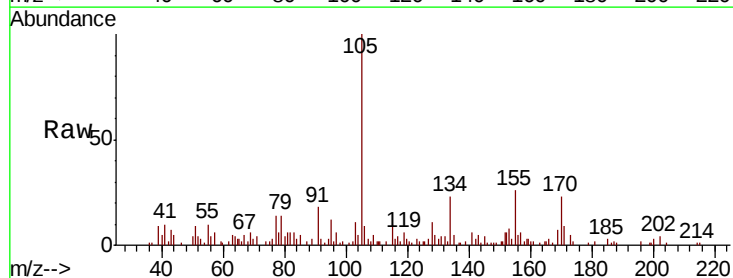
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0601

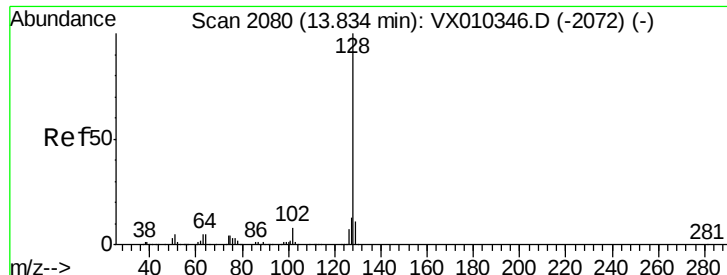
Tot Ion:105 Resp: 2305
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 0.591 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010858.D
 Acq: 13 Jul 2019 00:12

Tgt Ion:105 Resp: 6757
 Ion Ratio Lower Upper
 105 100
 134 31.3 10.7 31.9





#95

Naphthalene

Concen: 0.378 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010858.D

Acq: 13 Jul 2019 00:12

Instrument :

MSVOA_X

ClientSampleId :

FL-0601

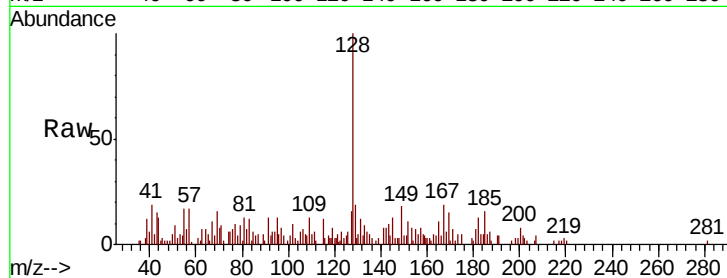
Tot Ion:128 Resp: 4589

Ion Ratio Lower Upper

128 100

127 15.9 10.2 15.4#

129 16.4 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

