

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010865.D
 Acq On : 13 Jul 2019 02:55
 Operator : JC/SP
 Sample : K3791-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0603

Quant Time: Jul 15 08:47:20 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	246516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	381818	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	356702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164944	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	129149	55.88	ug/l	0.00
Spiked Amount			Recovery	=	111.76%	
35) Dibromofluoromethane	5.50	113	116792	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	8.71	98	460764	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	11.13	95	162159	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	

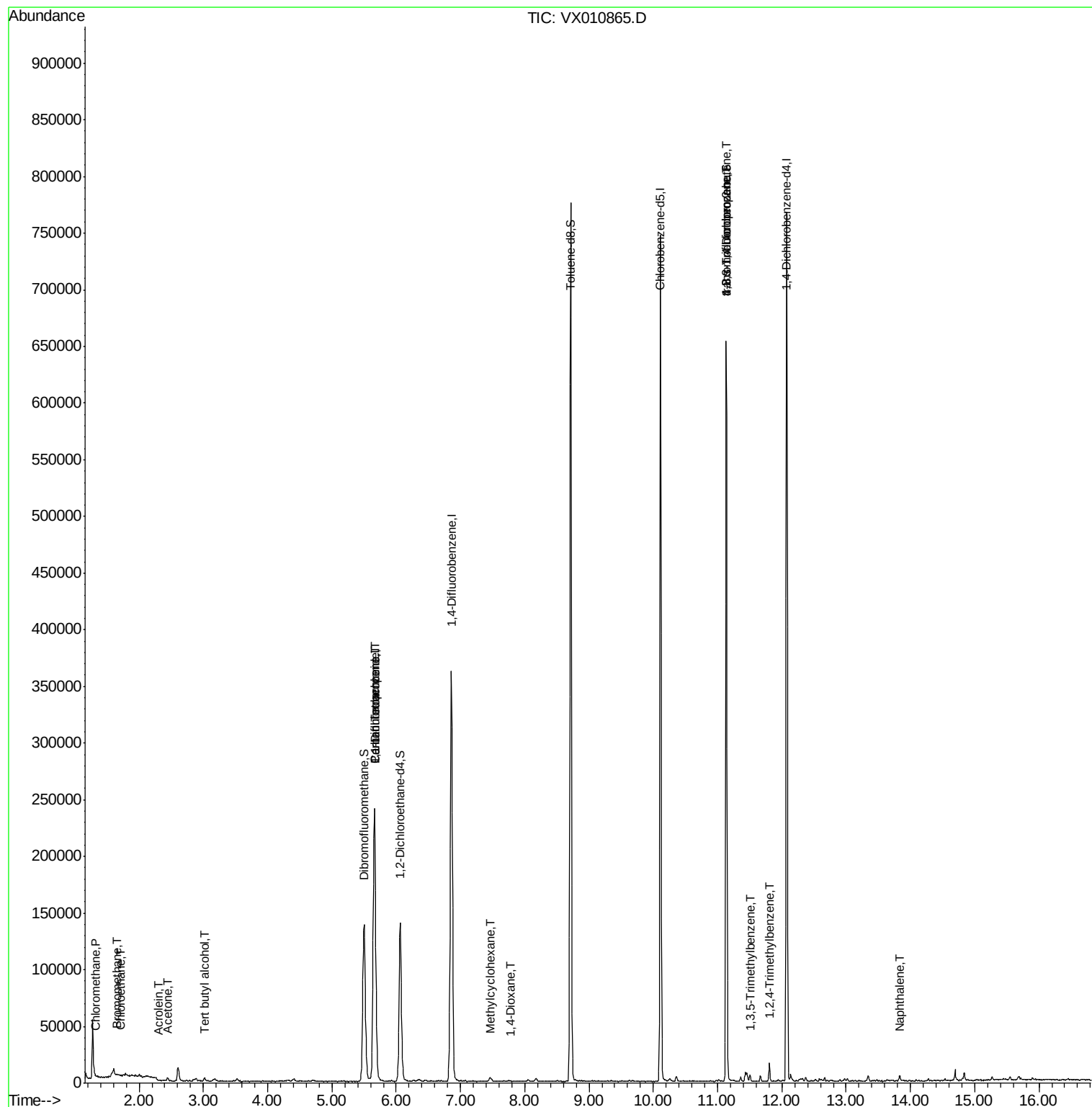
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	666	0.334	ug/l #	85
5) Bromomethane	1.65	94	350	0.329	ug/l #	42
6) Chloroethane	1.71	64	480	0.372	ug/l #	41
11) Tert butyl alcohol	3.02	59	1400	2.315	ug/l #	74
13) Acrolein	2.30	56	148	0.369	ug/l	85
16) Acetone	2.44	43	2905	2.508	ug/l	95
36) 1,1-Dichloropropene	5.67	75	16156	5.325	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22202	6.757	ug/l #	14
39) Methylcyclohexane	7.46	83	1452	0.364	ug/l	94
49) 1,4-Dioxane	7.78	88	20	0.289	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	80030	26.626	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.51	105	2290	0.248	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	80030	62.116	ug/l #	16
84) 1,2,4-Trimethylbenzene	11.80	105	6562	0.709	ug/l	98
95) Naphthalene	13.83	128	2644	0.229	ug/l #	95

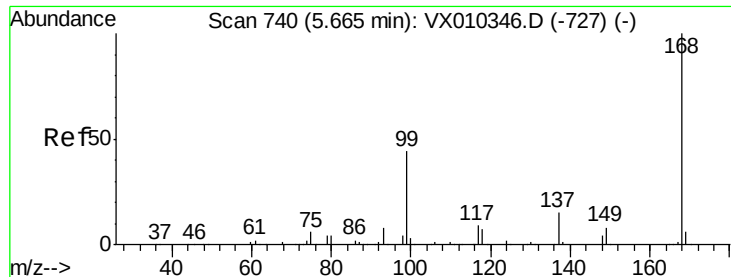
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010865.D

Acq: 13 Jul 2019 02:55

Instrument :

MSVOA_X

ClientSampled :

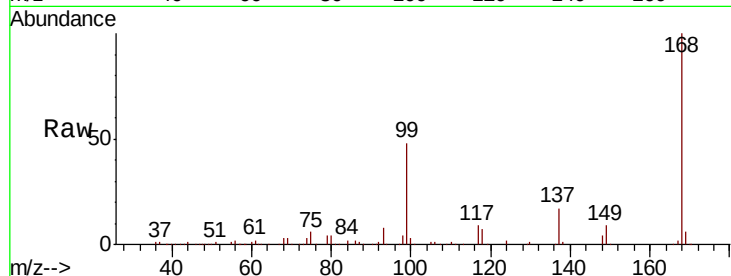
FL-0603

Tot Ion:168 Resp: 246516

Ion Ratio Lower Upper

168 100

99 47.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

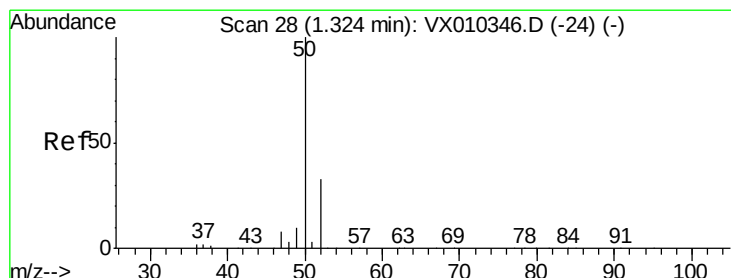
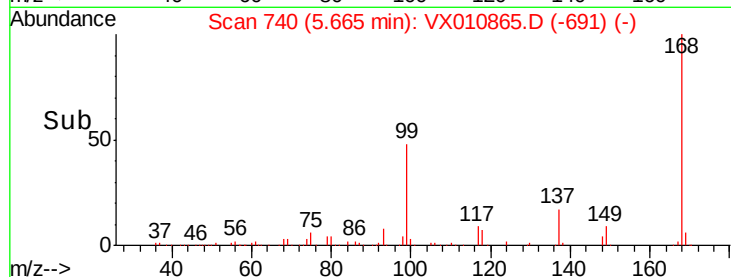
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.334 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010865.D

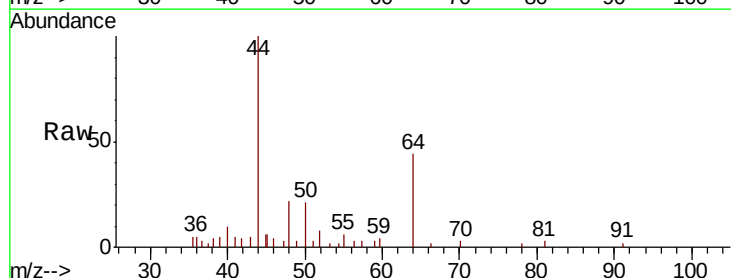
Acq: 13 Jul 2019 02:55

Tgt Ion: 50 Resp: 666

Ion Ratio Lower Upper

50 100

52 24.9 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

300

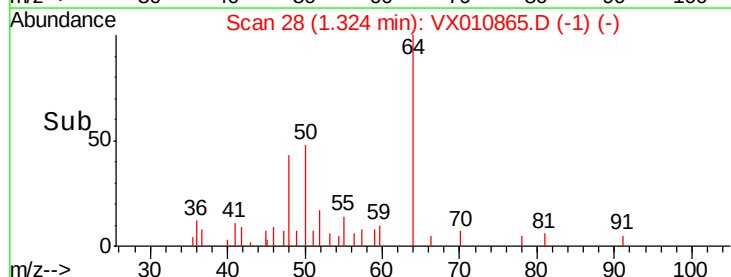
200

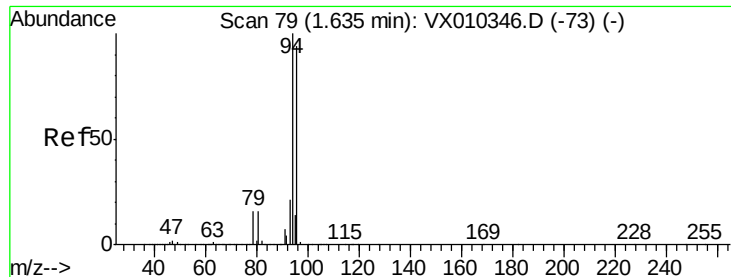
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.329 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010865.D

Acq: 13 Jul 2019 02:55

Instrument :

MSVOA_X

ClientSampleId :

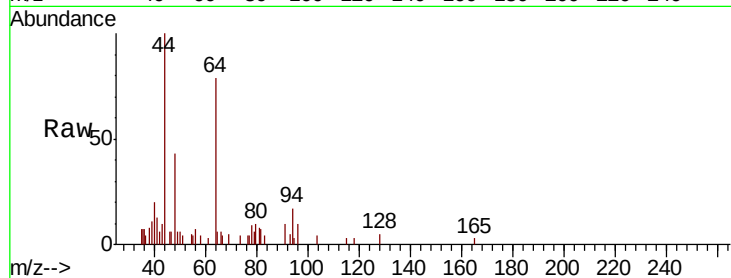
FL-0603

Tot Ion: 94 Resp: 350

Ion Ratio Lower Upper

94 100

96 37.9 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

150

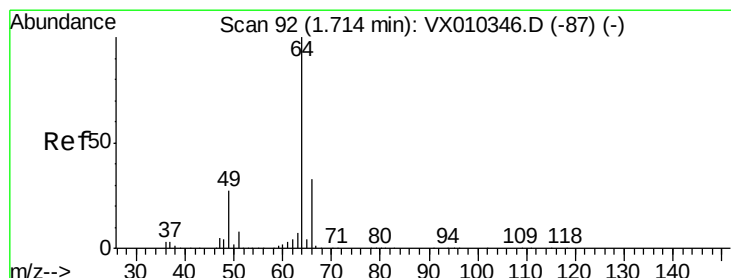
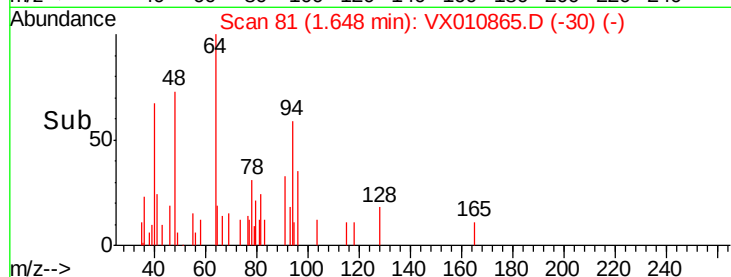
100

50

0

Time-->

1.62 1.64 1.66 1.68



#6

Chloroethane

Concen: 0.372 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010865.D

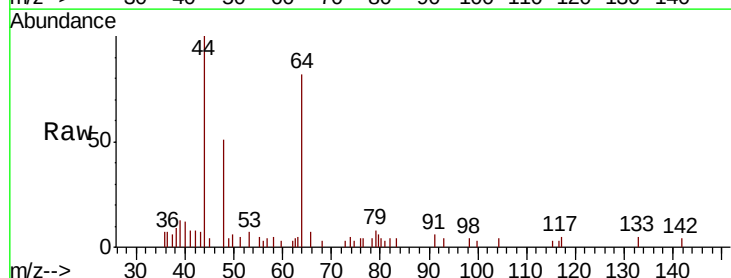
Acq: 13 Jul 2019 02:55

Tgt Ion: 64 Resp: 480

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1500

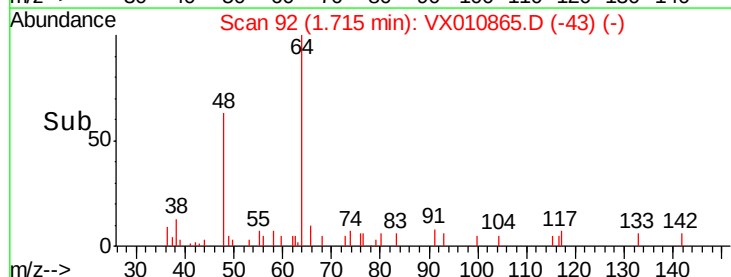
1000

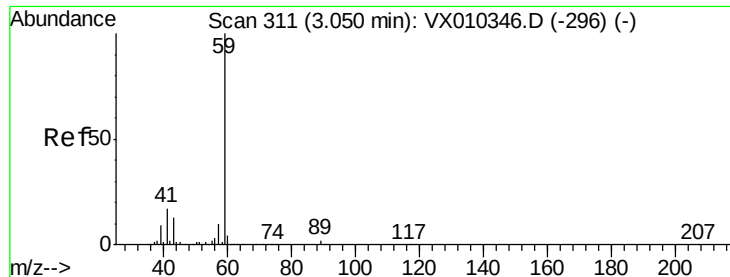
500

0

Time-->

1.68 1.70 1.72





#11

Tert butyl alcohol

Concen: 2.315 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010865.D

Acq: 13 Jul 2019 02:55

Instrument :

MSVOA_X

ClientSampleId :

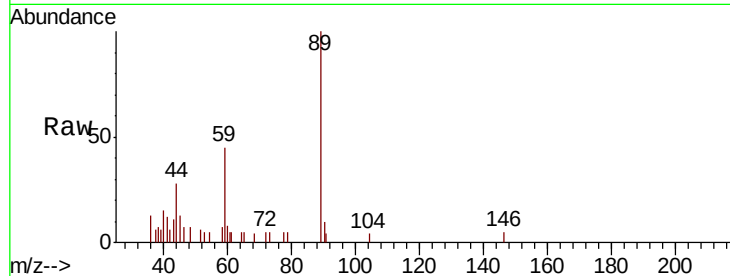
FL-0603

Tot Ion: 59 Resp: 1400

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

600

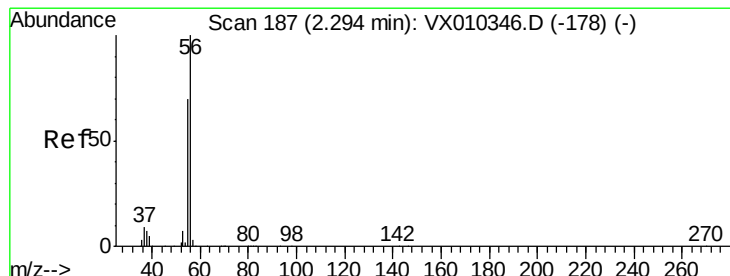
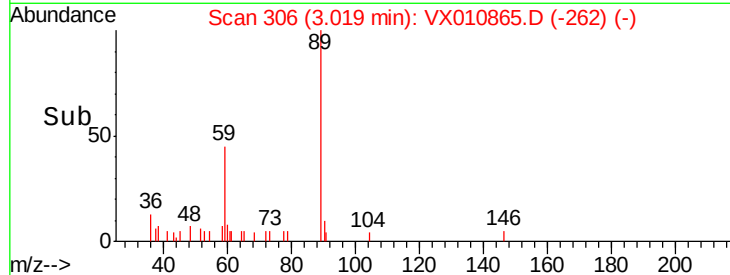
400

200

0

2.95 3.00 3.05 3.10

Time-->



#13

Acrolein

Concen: 0.369 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010865.D

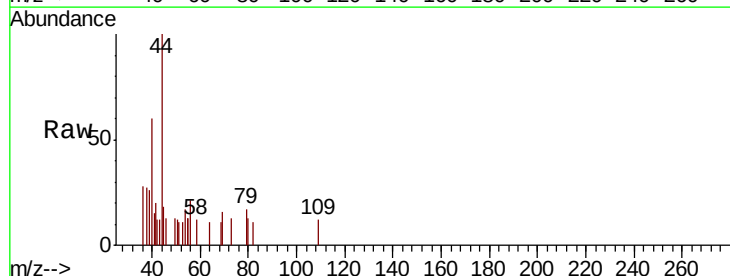
Acq: 13 Jul 2019 02:55

Tgt Ion: 56 Resp: 148

Ion Ratio Lower Upper

56 100

55 83.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

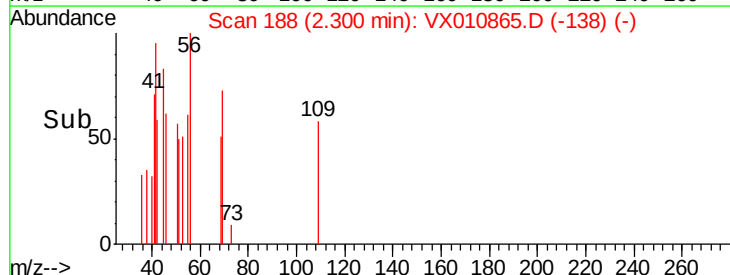
100

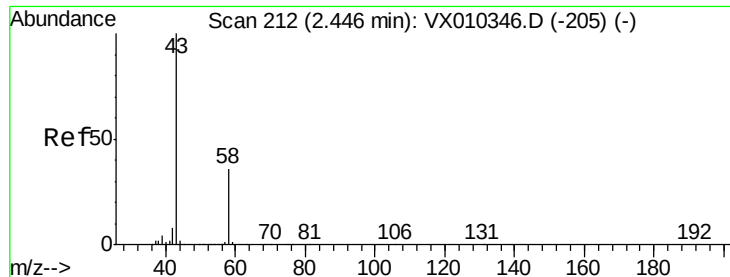
50

0

2.28 2.30 2.32

Time-->

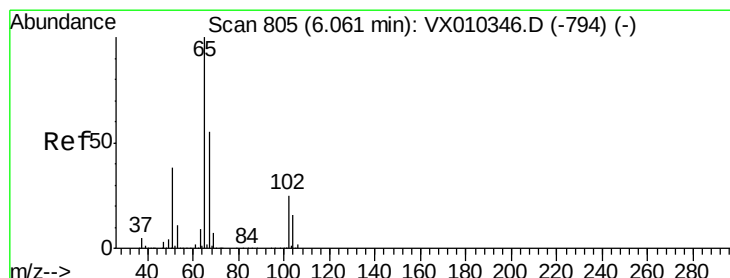
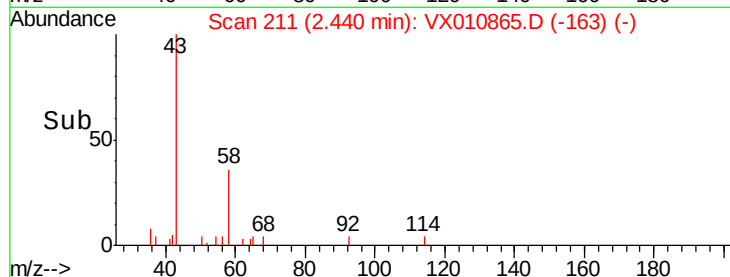
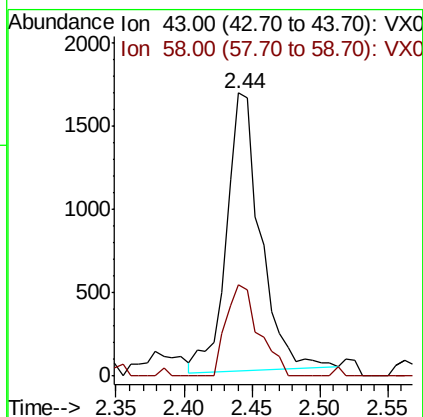
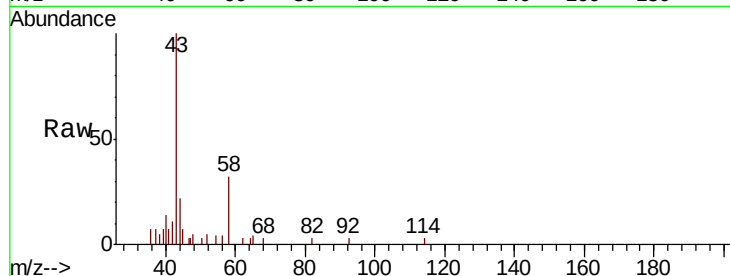




#16
Acetone
Concen: 2.508 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010865.D
Acq: 13 Jul 2019 02:55

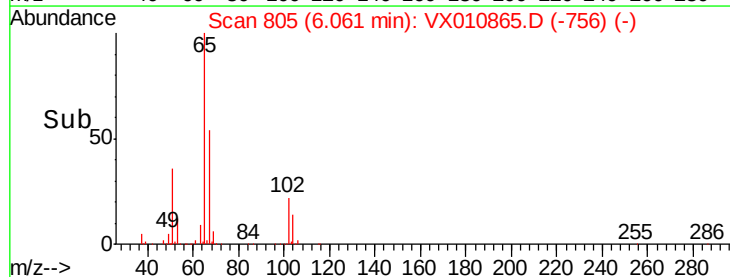
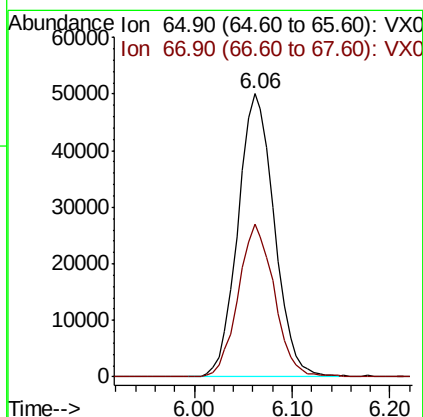
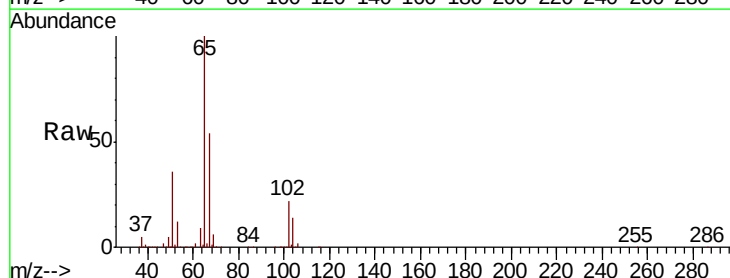
Instrument :
MSVOA_X
ClientSampleId :
FL-0603

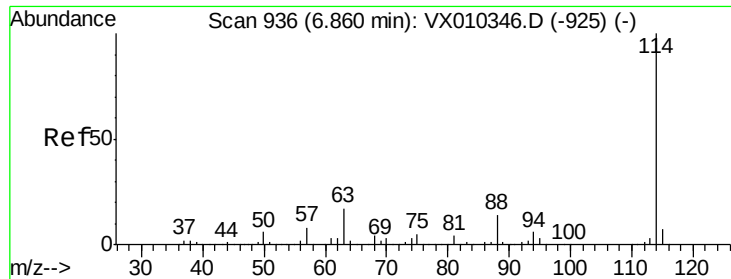
Tot Ion: 43 Resp: 2905
Ion Ratio Lower Upper
43 100
58 33.4 28.9 43.3



#33
1,2-Dichloroethane-d4
Concen: 55.876 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010865.D
Acq: 13 Jul 2019 02:55

Tgt Ion: 65 Resp: 129149
Ion Ratio Lower Upper
65 100
67 53.6 0.0 110.2

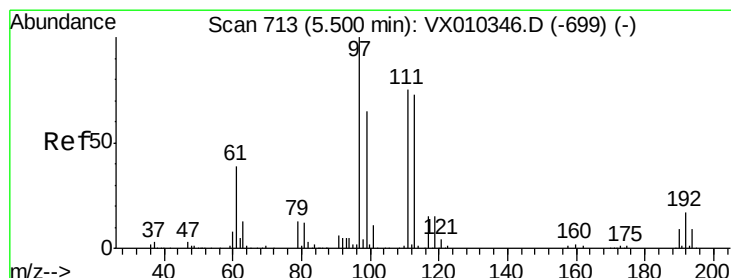
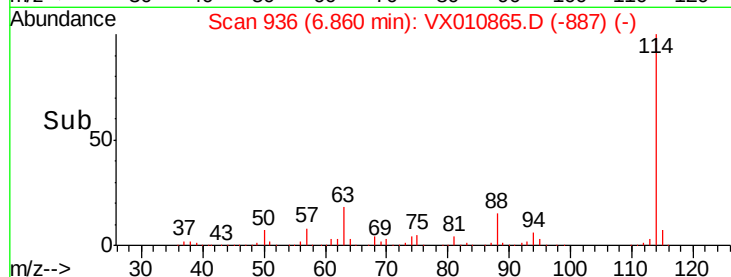
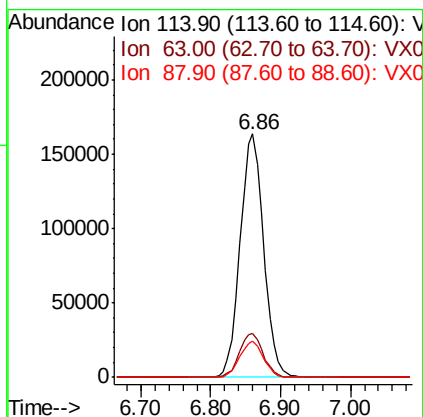
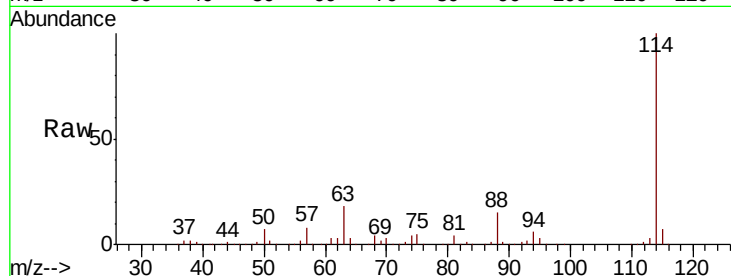




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010865.D
 Acq: 13 Jul 2019 02:55

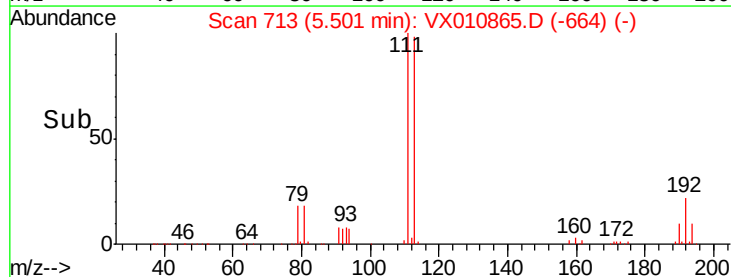
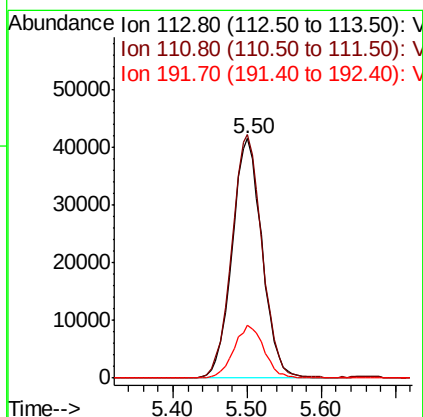
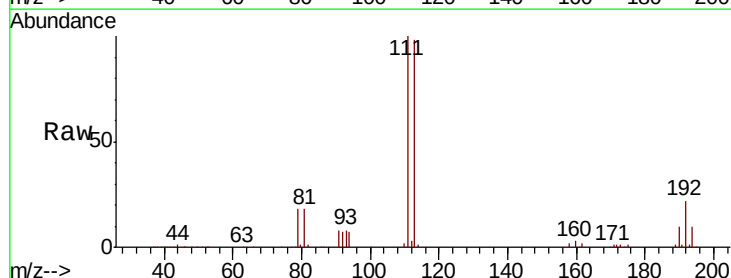
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0603

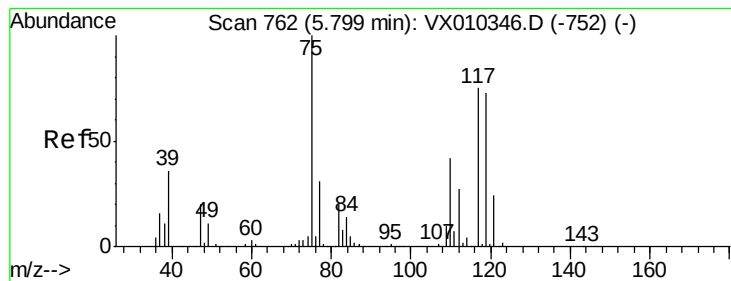
Tot Ion:114 Resp: 381818
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 33.8
 88 15.0 0.0 27.6



#35
 Dibromofluoromethane
 Concen: 49.994 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010865.D
 Acq: 13 Jul 2019 02:55

Tgt Ion:113 Resp: 116792
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.2 121.8
 192 22.2 18.6 27.8





#36

1,1-Dichloropropene

Concen: 5.325 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010865.D

Acq: 13 Jul 2019 02:55

Instrument :

MSVOA_X

ClientSampleId :

FL-0603

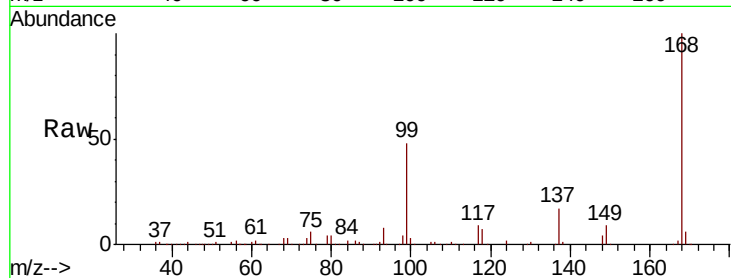
Tot Ion: 75 Resp: 16156

Ion Ratio Lower Upper

75 100

110 11.3 20.8 62.2#

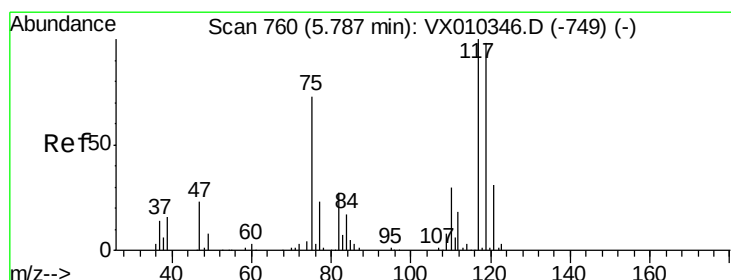
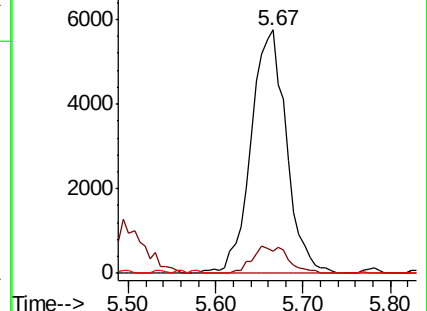
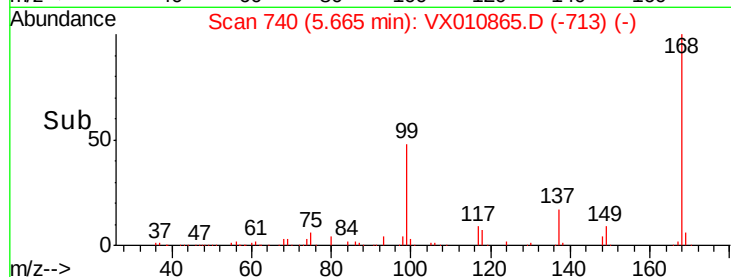
77 0.0 25.4 38.0#



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: 6.757 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010865.D

Acq: 13 Jul 2019 02:55

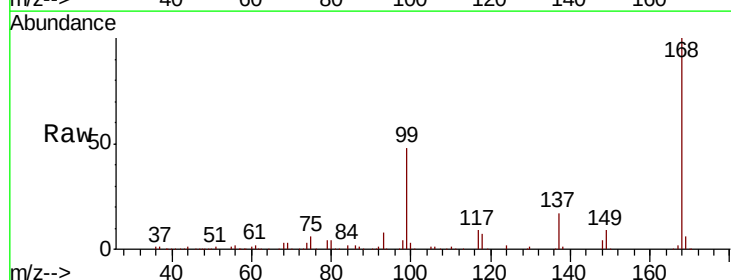
Tgt Ion: 117 Resp: 22202

Ion Ratio Lower Upper

117 100

119 3.7 78.2 117.4#

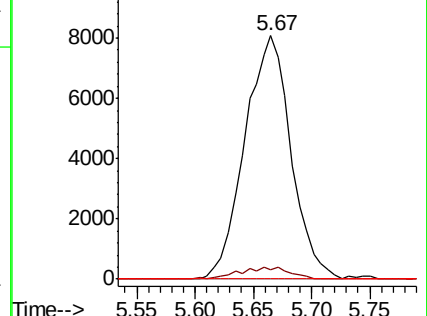
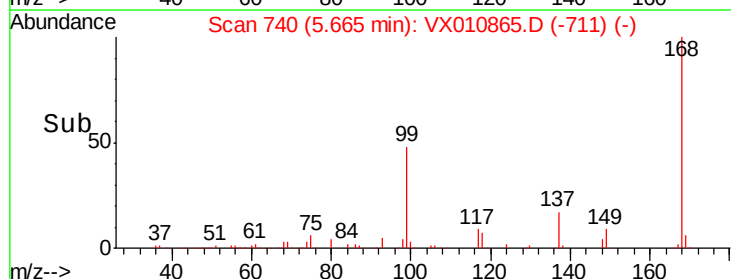
121 0.0 24.7 37.1#

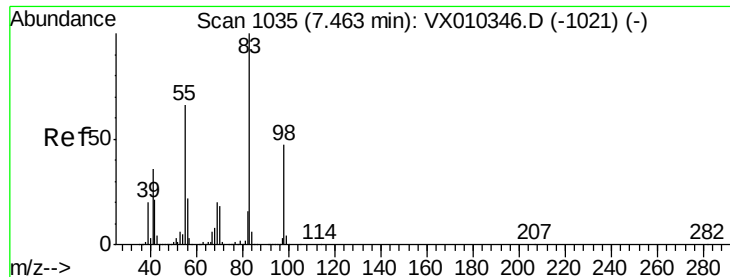


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 0.364 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010865.D

Acq: 13 Jul 2019 02:55

Instrument :

MSVOA_X

ClientSampled :

FL-0603

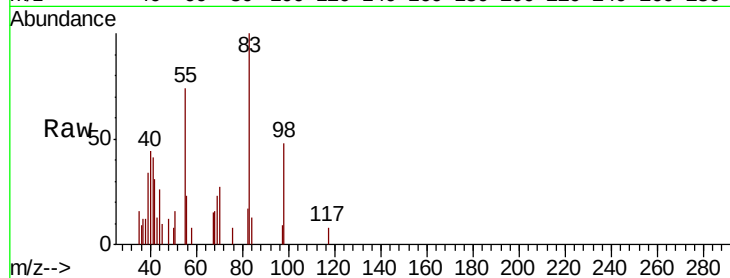
Tot Ion: 83 Resp: 1452

Ion Ratio Lower Upper

83 100

55 73.8 53.0 79.6

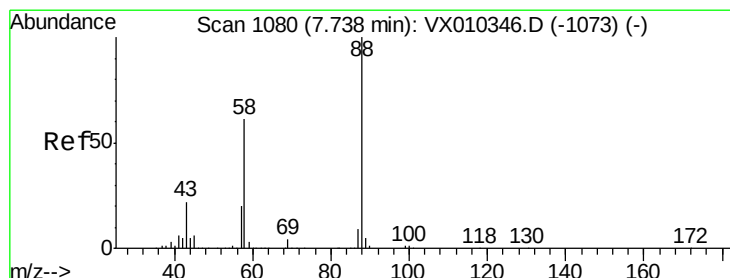
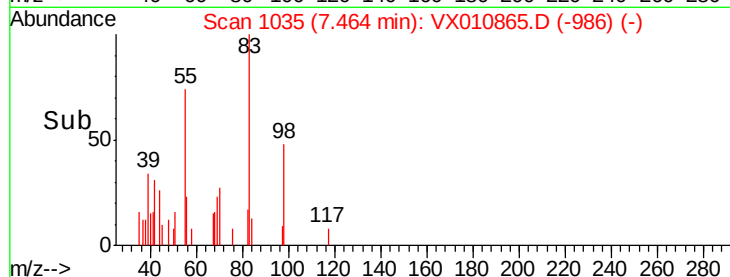
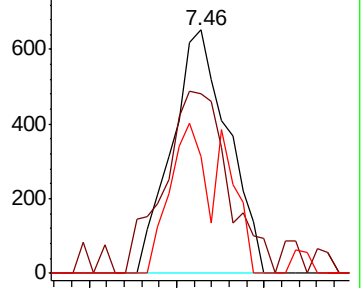
98 48.1 37.8 56.8



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: 0.289 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.04 min

Lab File: VX010865.D

Acq: 13 Jul 2019 02:55

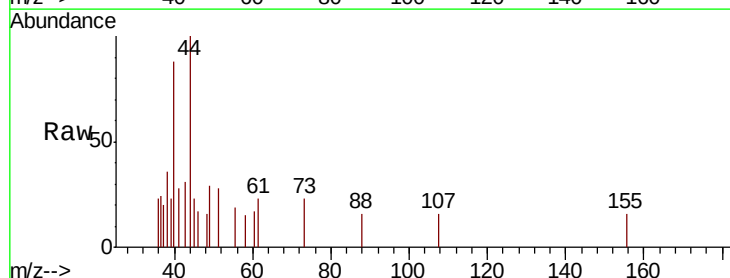
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 875.0 20.2 30.2#

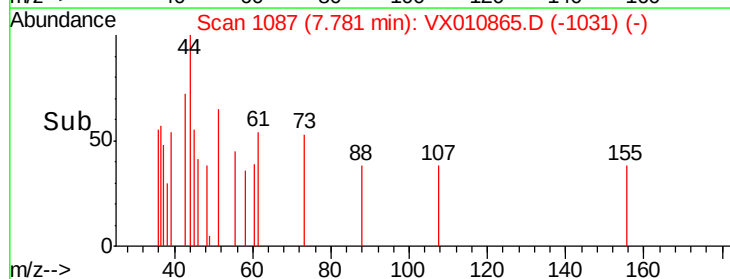
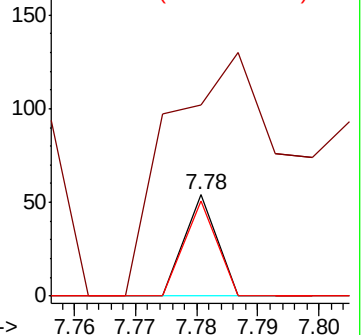
58 95.0 49.5 74.3#

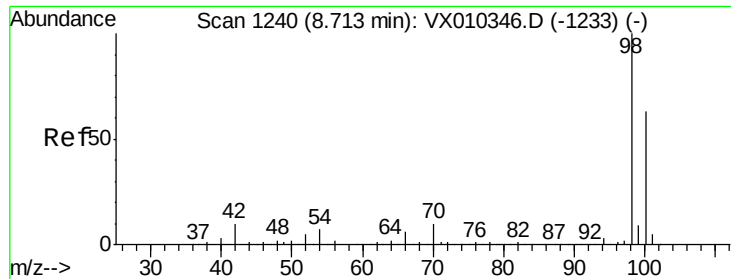


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

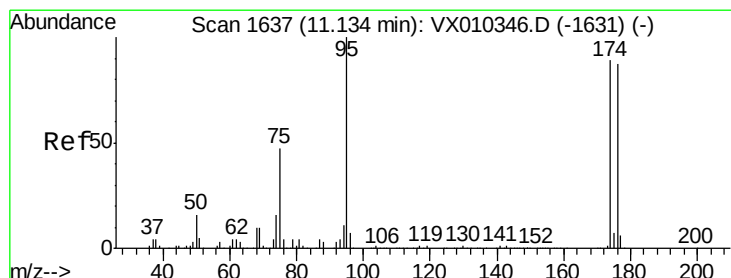
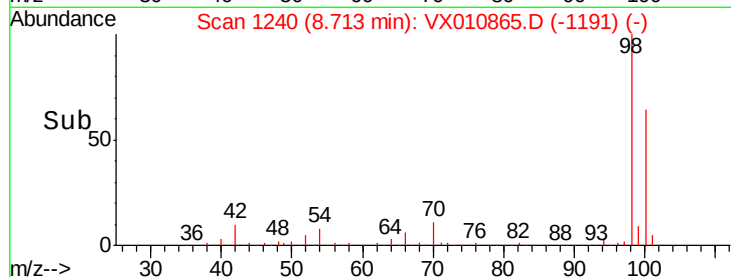
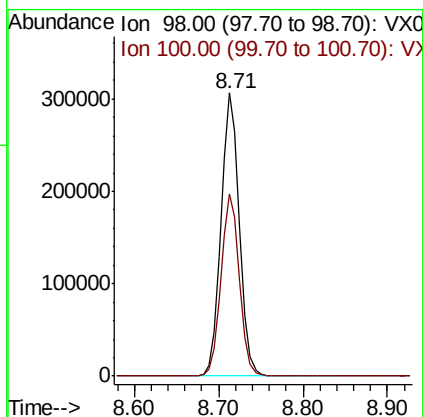
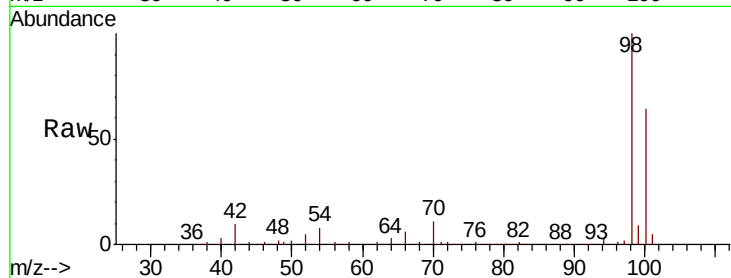




#50
Toluene-d8
Concen: 51.554 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010865.D
Acq: 13 Jul 2019 02:55

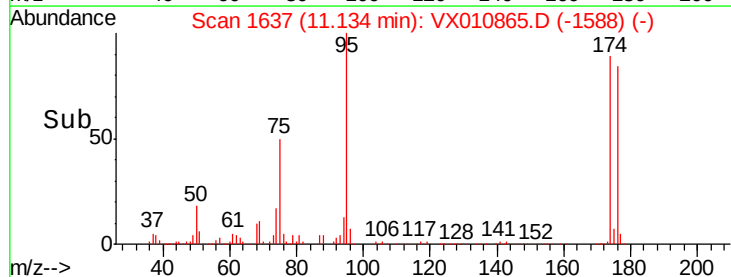
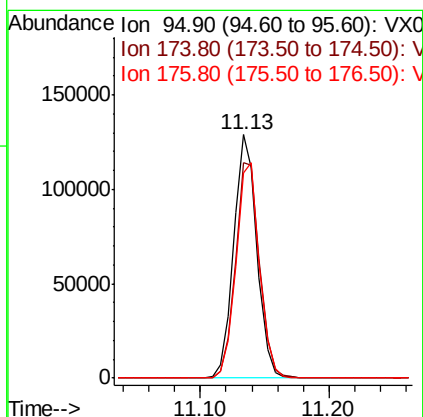
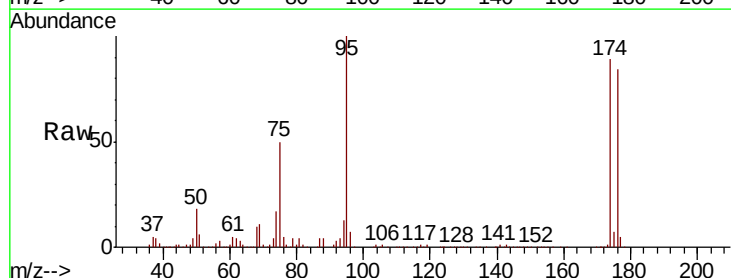
Instrument :
MSVOA_X
ClientSampleId :
FL-0603

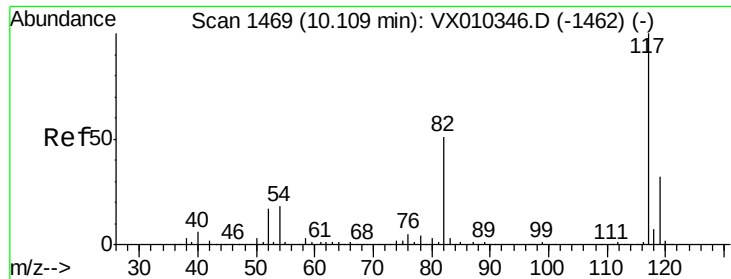
Tot Ion: 98 Resp: 460764
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 50.256 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010865.D
Acq: 13 Jul 2019 02:55

Tgt Ion: 95 Resp: 162159
Ion Ratio Lower Upper
95 100
174 91.6 0.0 187.6
176 89.1 0.0 184.0

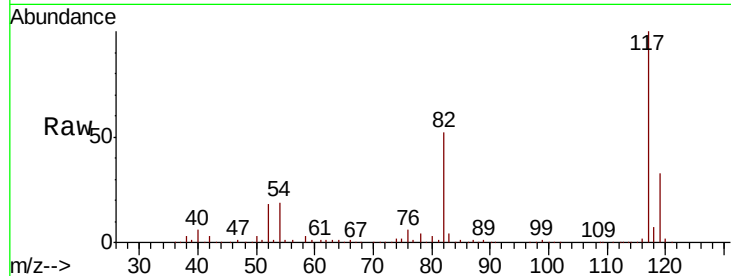




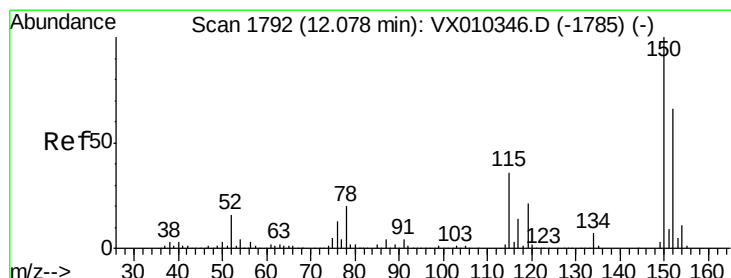
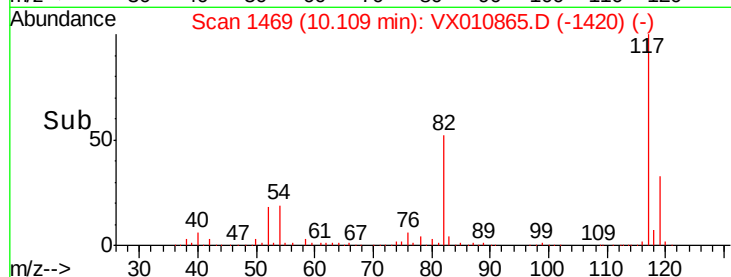
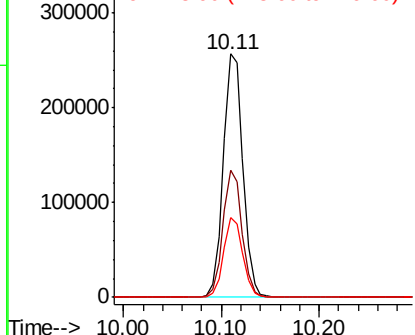
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010865.D
Acq: 13 Jul 2019 02:55

Instrument :
MSVOA_X
ClientSampleId :
FL-0603

Tot Ion:117 Resp: 356702
Ion Ratio Lower Upper
117 100
82 52.2 41.2 61.8
119 32.6 25.5 38.3

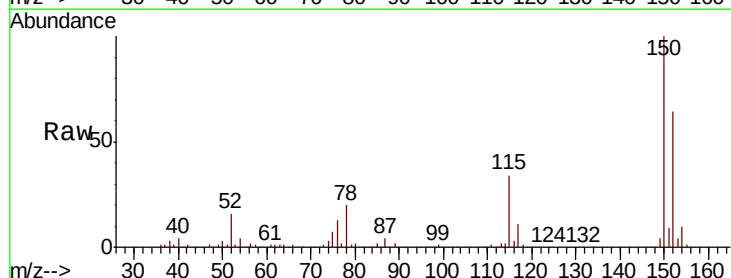


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

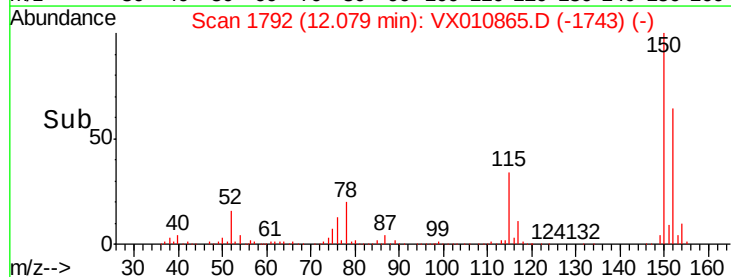
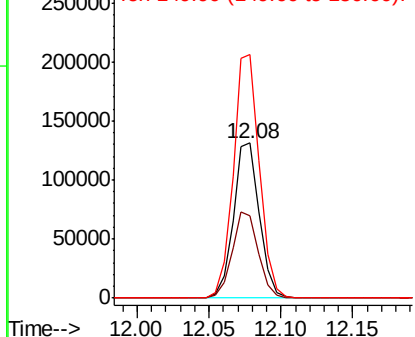


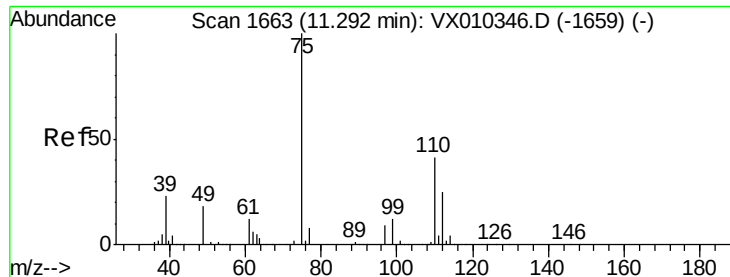
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010865.D
Acq: 13 Jul 2019 02:55

Tgt Ion:152 Resp: 164944
Ion Ratio Lower Upper
152 100
115 55.8 38.6 115.7
150 157.9 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

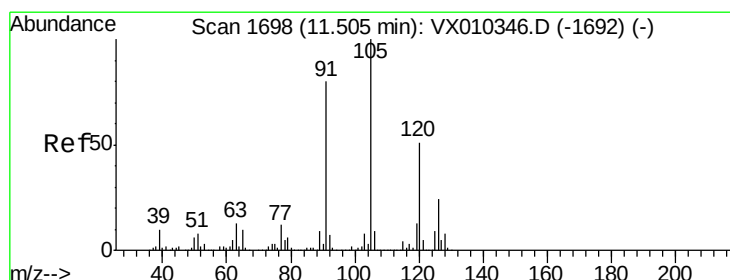
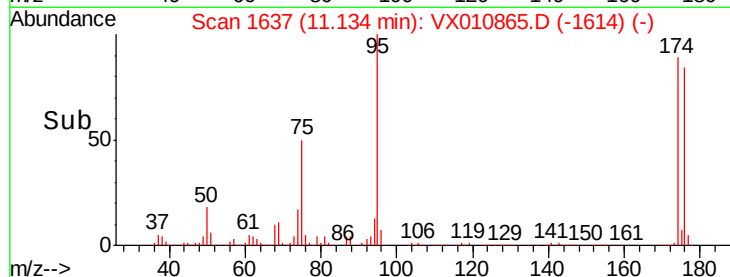
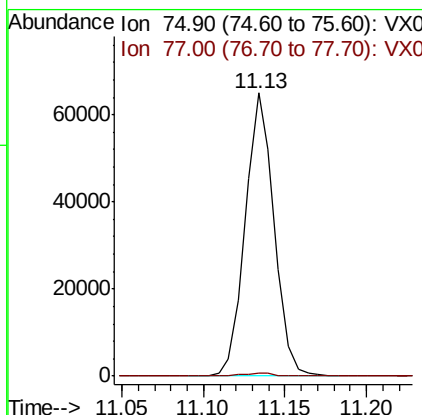
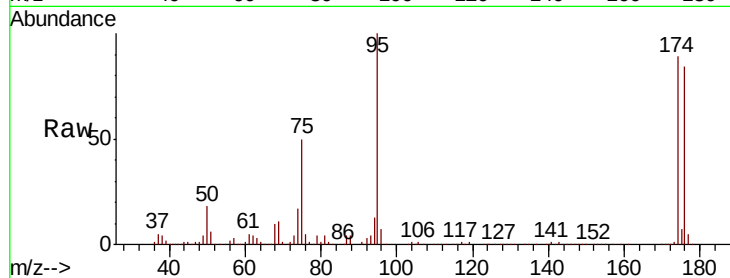




#76
 1,2,3-Trichloropropane
 Concen: 26.626 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010865.D
 Acq: 13 Jul 2019 02:55

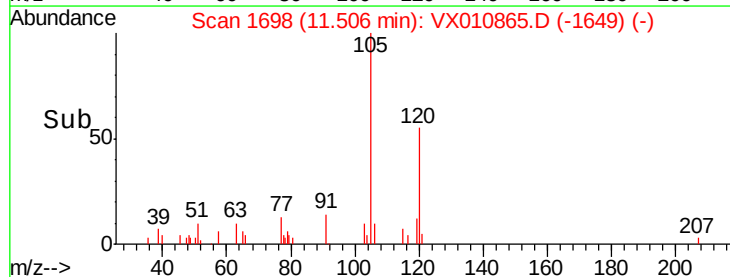
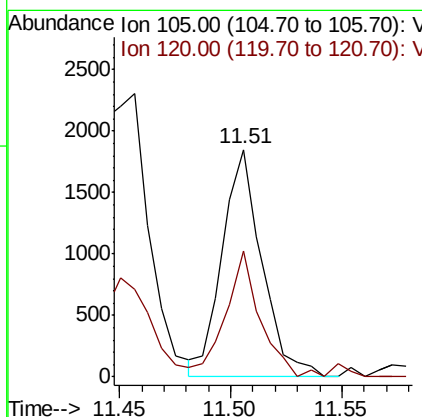
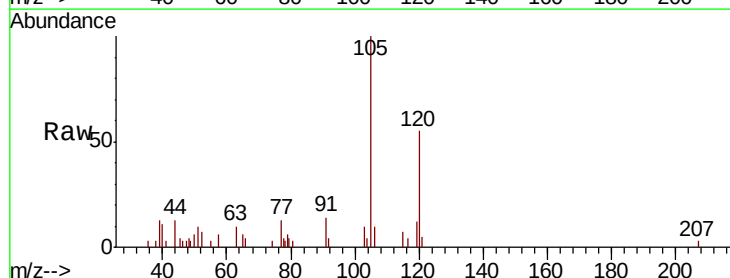
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0603

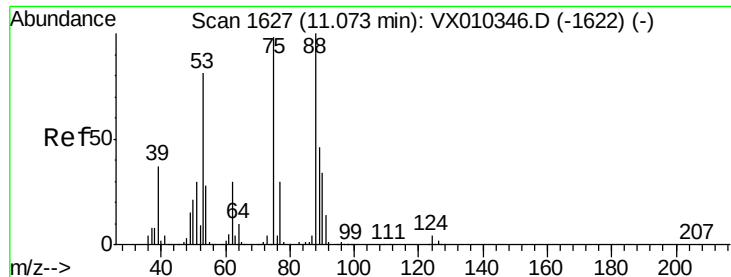
Tot Ion: 75 Resp: 80030
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.6 67.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.248 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010865.D
 Acq: 13 Jul 2019 02:55

Tgt Ion: 105 Resp: 2290
 Ion Ratio Lower Upper
 105 100
 120 48.6 25.2 75.6

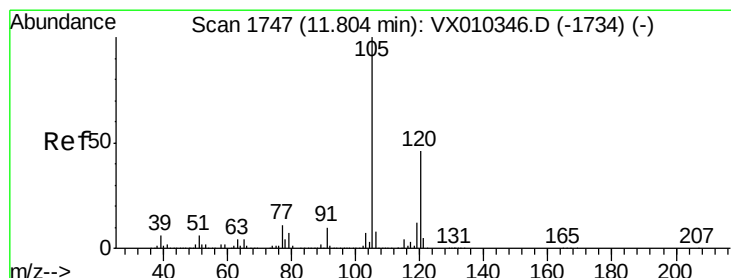
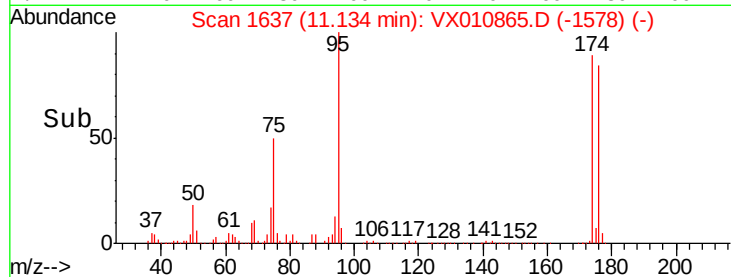
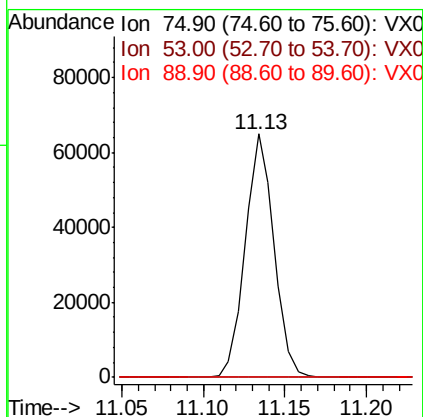
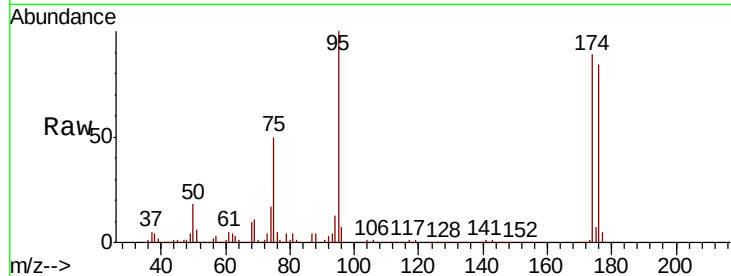




#81
trans-1,4-Dichloro-2-butene
Concen: 62.116 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010865.D
Acq: 13 Jul 2019 02:55

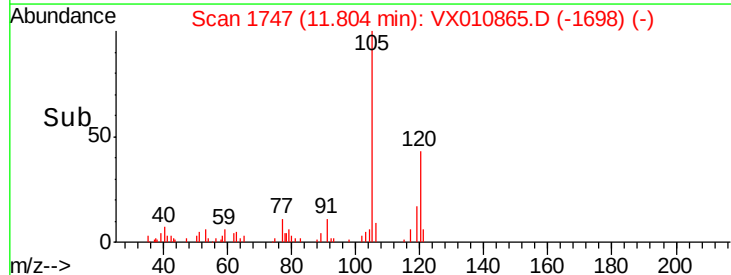
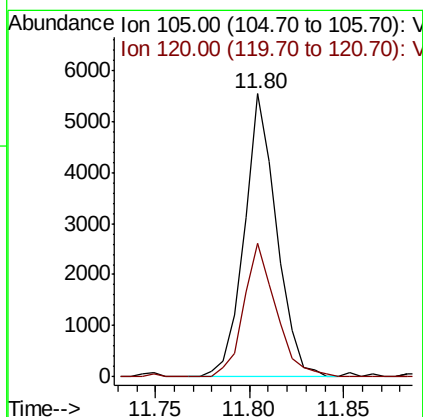
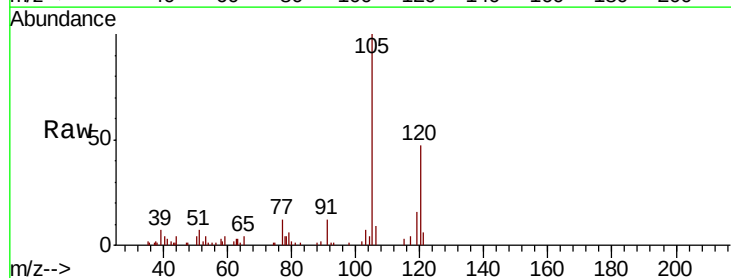
Instrument :
MSVOA_X
ClientSampleId :
FL-0603

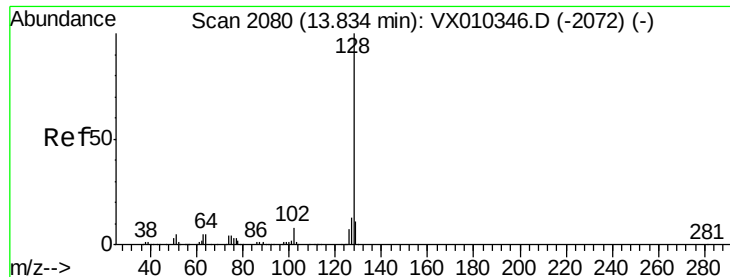
Tot Ion: 75 Resp: 80030
Ion Ratio Lower Upper
75 100
53 0.1 66.1 99.1#
89 0.0 37.8 56.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.709 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010865.D
Acq: 13 Jul 2019 02:55

Tgt Ion: 105 Resp: 6562
Ion Ratio Lower Upper
105 100
120 47.2 23.1 69.2

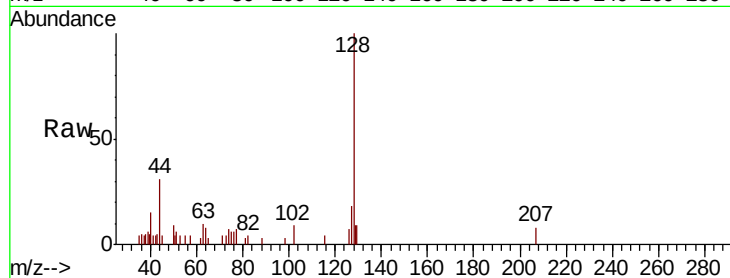




#95
Naphthalene
Concen: 0.229 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010865.D
Acq: 13 Jul 2019 02:55

Instrument :
MSVOA_X
ClientSampleId :
FL-0603

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.2	15.4
129	13.5	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

