

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010804.D
 Acq On : 11 Jul 2019 14:03
 Operator : JC/SP
 Sample : K3749-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB070919

Quant Time: Jul 12 06:53:50 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	243215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	381143	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	352921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	125688	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
35) Dibromofluoromethane	5.50	113	116162	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	8.71	98	456212	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.13	95	159964	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

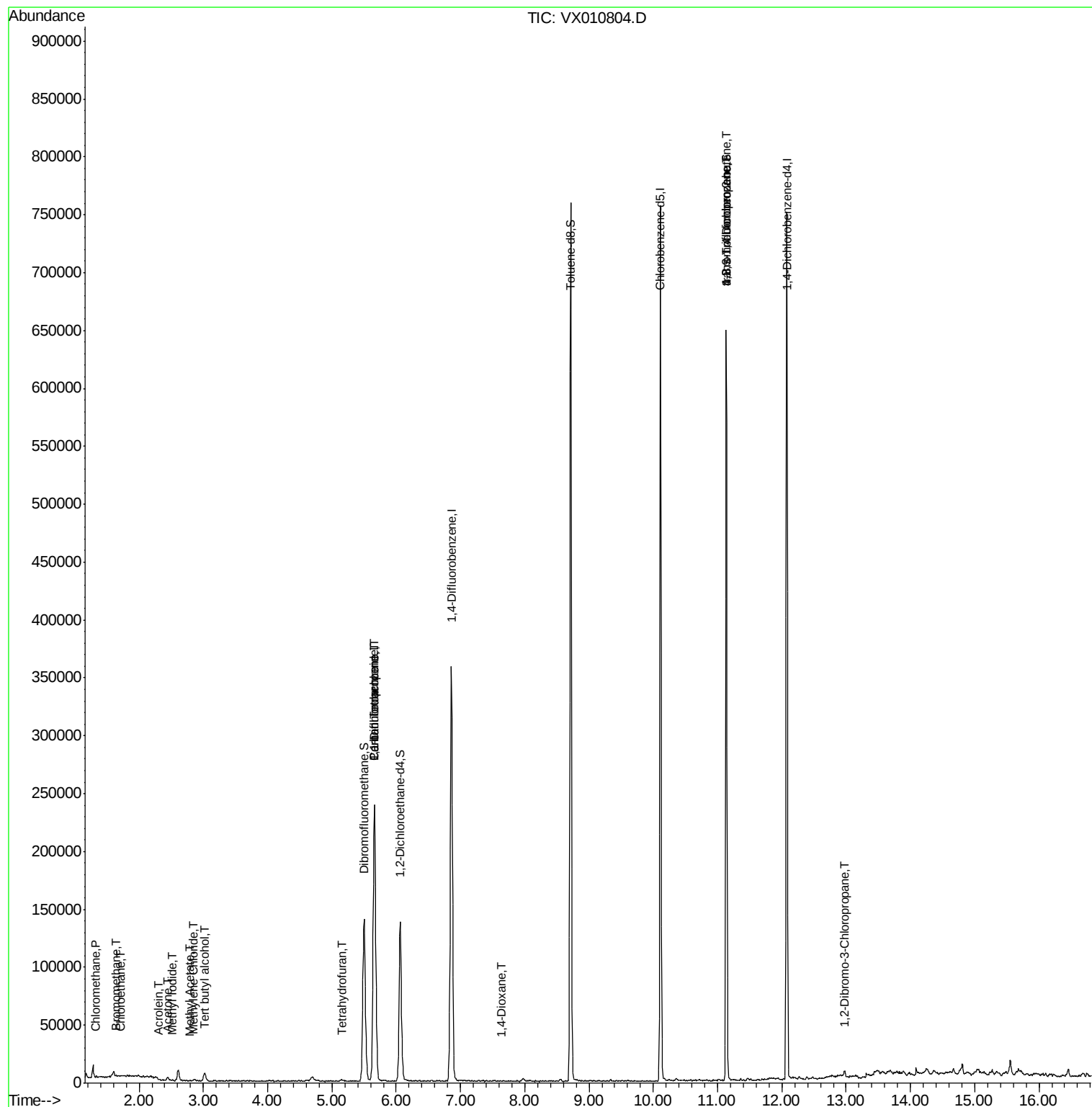
					Qvalue	
3) Chloromethane	1.33	50	473	0.240	ug/l #	58
5) Bromomethane	1.65	94	670	0.638	ug/l #	38
6) Chloroethane	1.71	64	312	0.245	ug/l	96
10) Methyl Iodide	2.53	142	722	0.244	ug/l #	89
11) Tert butyl alcohol	3.02	59	4510	7.558	ug/l #	76
13) Acrolein	2.30	56	132	0.333	ug/l #	14
16) Acetone	2.44	43	4076	3.566	ug/l	99
18) Methyl Acetate	2.78	43	660	0.290	ug/l #	82
20) Methylene Chloride	2.85	84	899	0.382	ug/l #	66
29) Tetrahydrofuran	5.15	42	1220	1.175	ug/l #	78
36) 1,1-Dichloropropene	5.66	75	15833	5.228	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22040	6.720	ug/l #	14
49) 1,4-Dioxane	7.65	88	42	0.608	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	77683	25.745	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	77683	60.060	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	12.97	75	625	0.780	ug/l #	1

(#) = 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
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: VX010804.D

Acq: 11 Jul 2019 14:03

Instrument :

MSVOA_X

ClientSampleId :

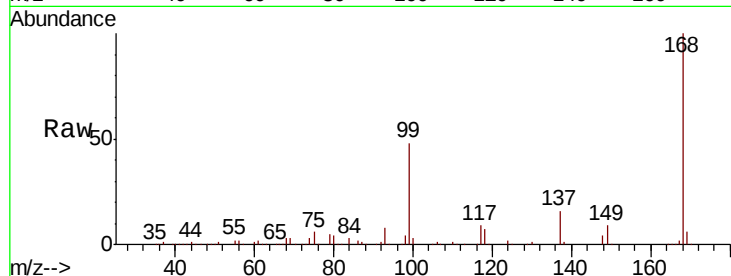
FB070919

Tot Ion:168 Resp: 243215

Ion Ratio Lower Upper

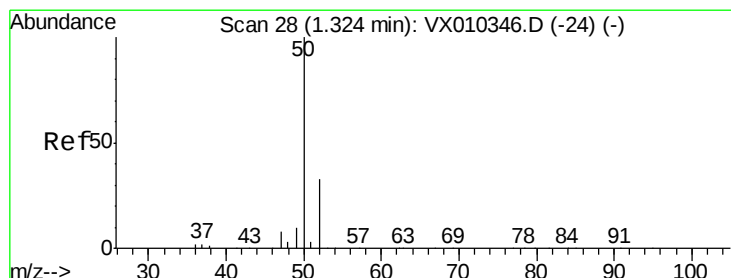
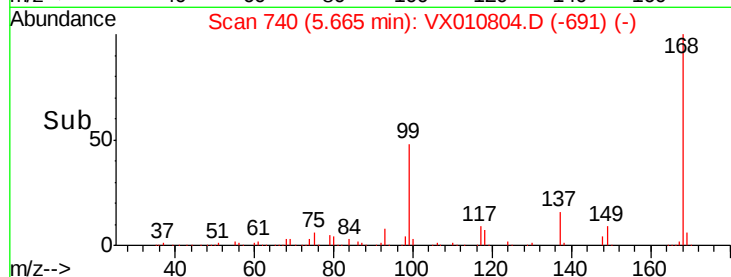
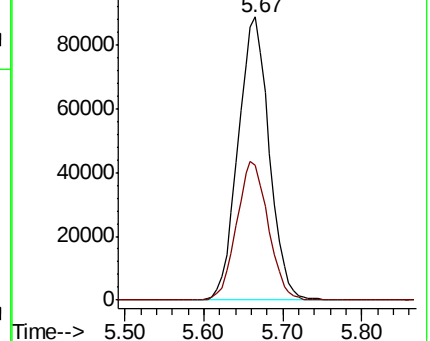
168 100

99 47.7 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: 0.240 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010804.D

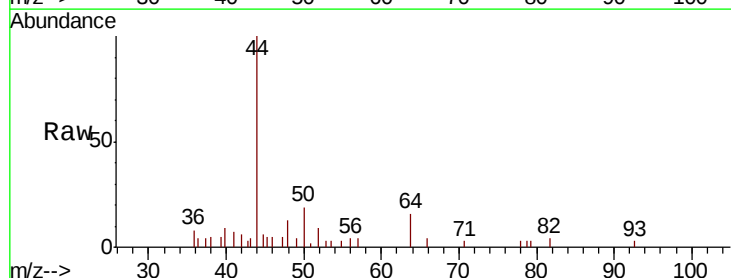
Acq: 11 Jul 2019 14:03

Tgt Ion: 50 Resp: 473

Ion Ratio Lower Upper

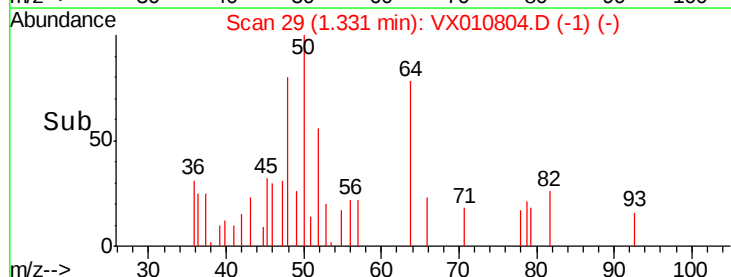
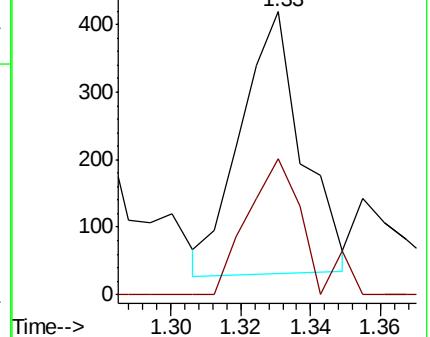
50 100

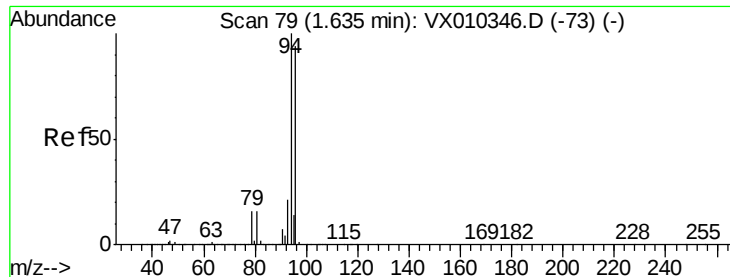
52 57.1 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.638 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010804.D

Acq: 11 Jul 2019 14:03

Instrument :

MSVOA_X

ClientSampleId :

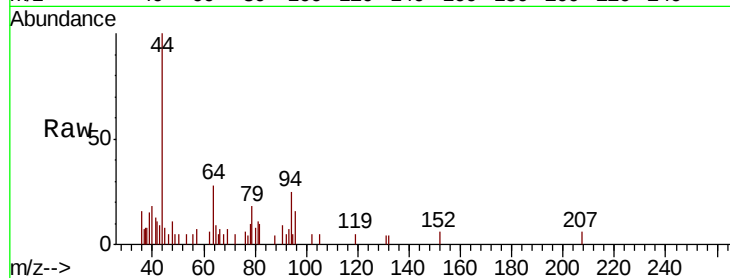
FB070919

Tot Ion: 94 Resp: 670

Ion Ratio Lower Upper

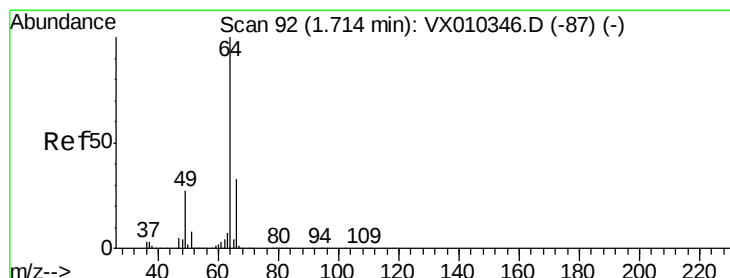
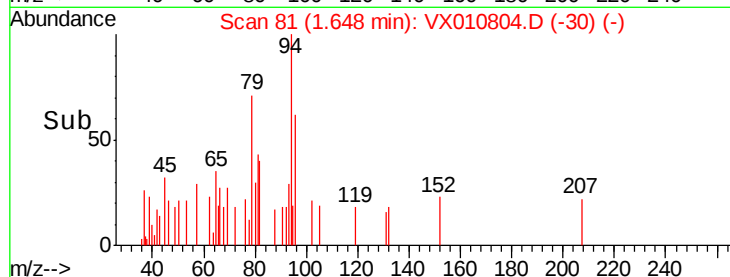
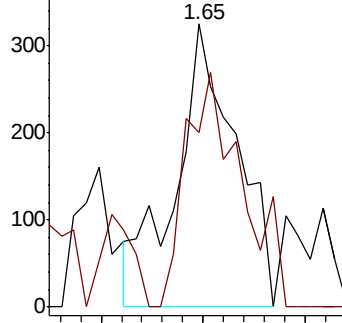
94 100

96 34.8 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: 0.245 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010804.D

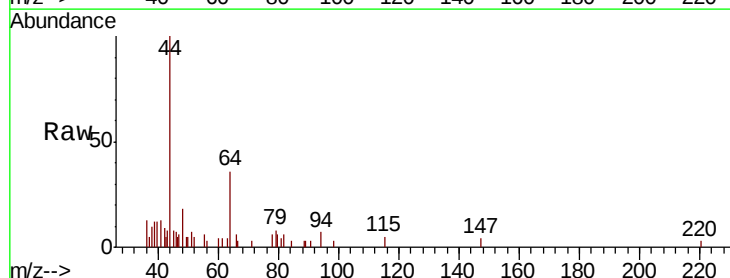
Acq: 11 Jul 2019 14:03

Tgt Ion: 64 Resp: 312

Ion Ratio Lower Upper

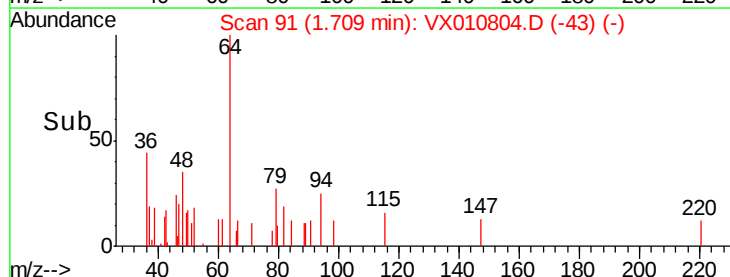
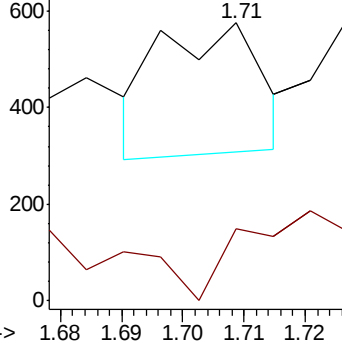
64 100

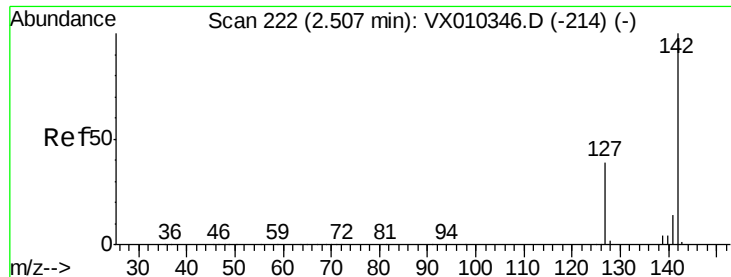
66 30.9 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

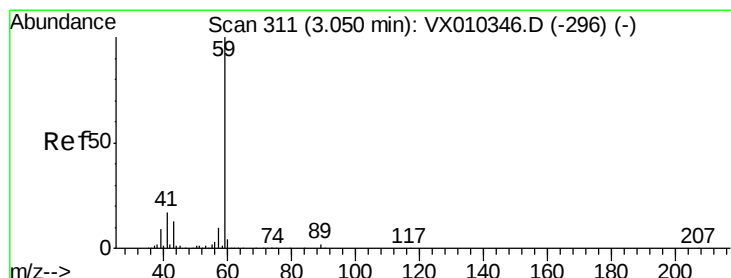
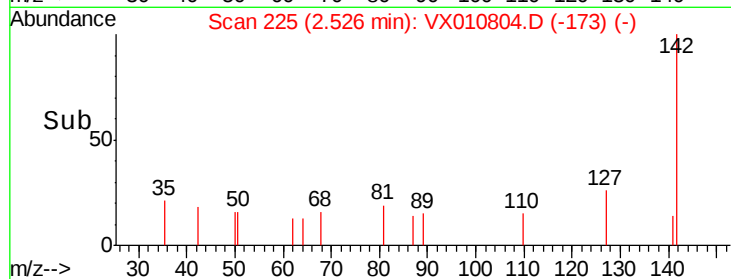
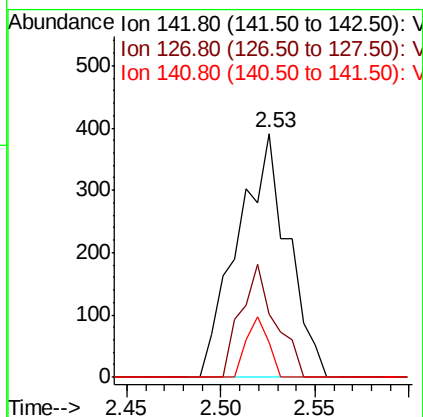
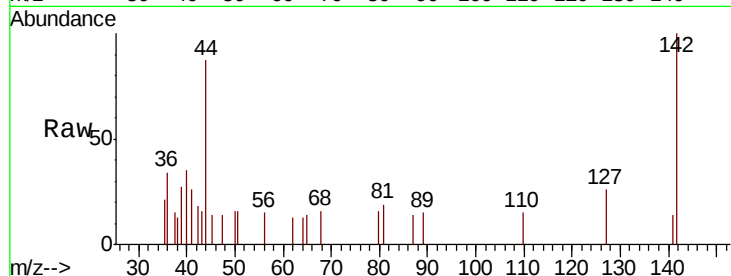




#10
Methyl Iodide
Concen: 0.244 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX010804.D
Acq: 11 Jul 2019 14:03

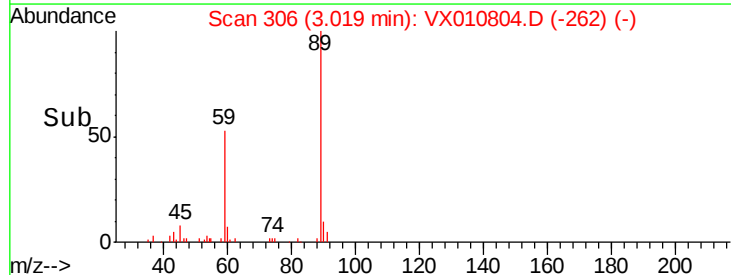
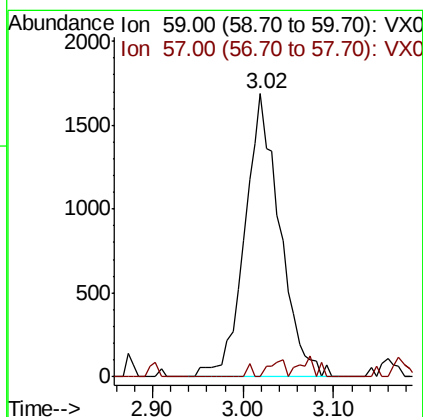
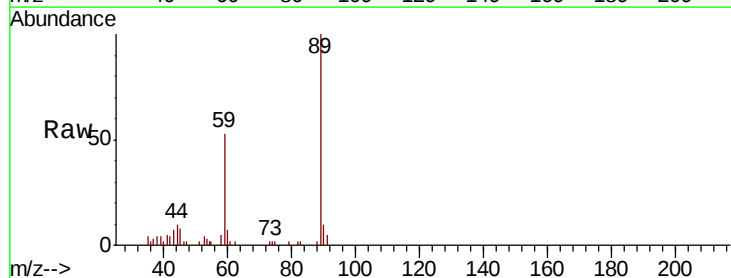
Instrument :
MSVOA_X
ClientSampled :
FB070919

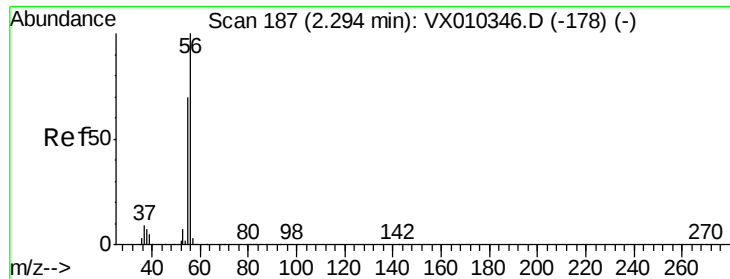
Tot Ion:142 Resp: 722
Ion Ratio Lower Upper
142 100
127 31.6 31.1 46.7
141 10.8 11.2 16.8#



#11
Tert butyl alcohol
Concen: 7.558 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010804.D
Acq: 11 Jul 2019 14:03

Tgt Ion: 59 Resp: 4510
Ion Ratio Lower Upper
59 100
57 0.7 7.7 11.5#





#13

Acrolein

Concen: 0.333 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010804.D

Acq: 11 Jul 2019 14:03

Instrument :

MSVOA_X

ClientSampleId :

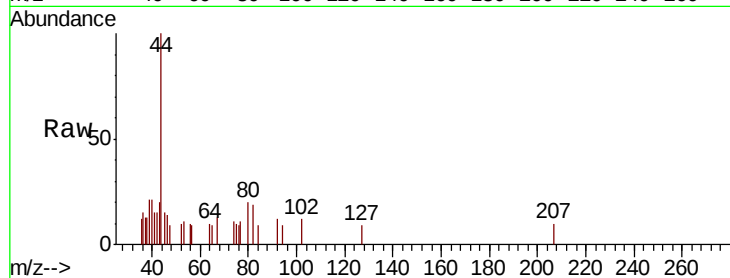
FB070919

Tot Ion: 56 Resp: 132

Ion Ratio Lower Upper

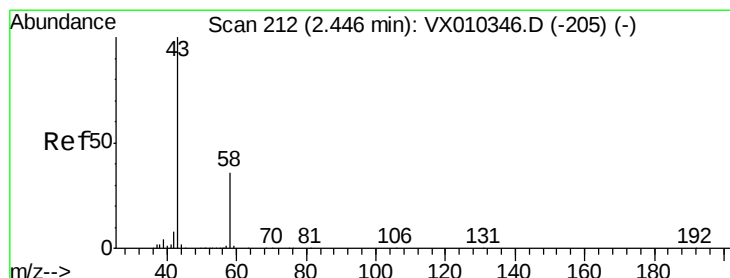
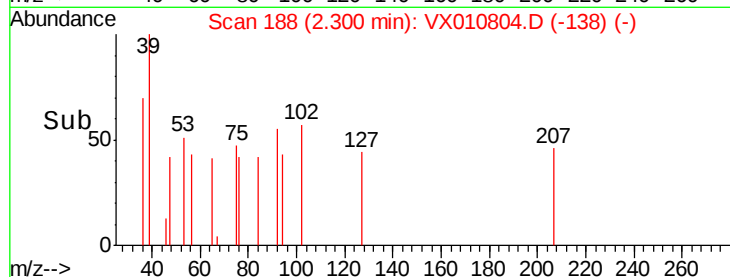
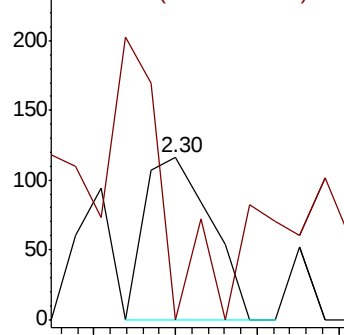
56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.566 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010804.D

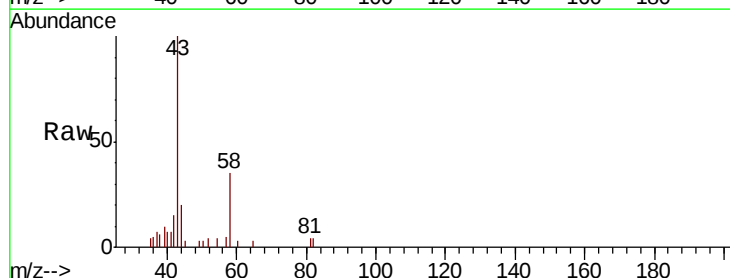
Acq: 11 Jul 2019 14:03

Tgt Ion: 43 Resp: 4076

Ion Ratio Lower Upper

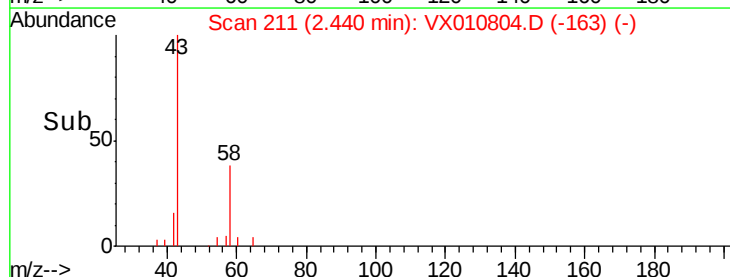
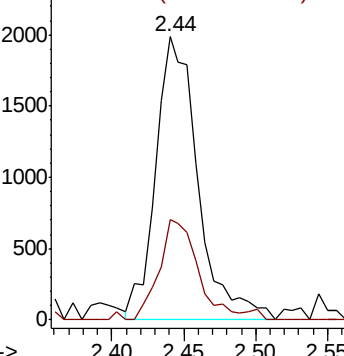
43 100

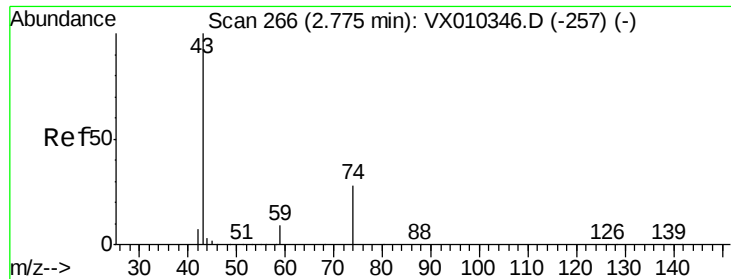
58 35.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

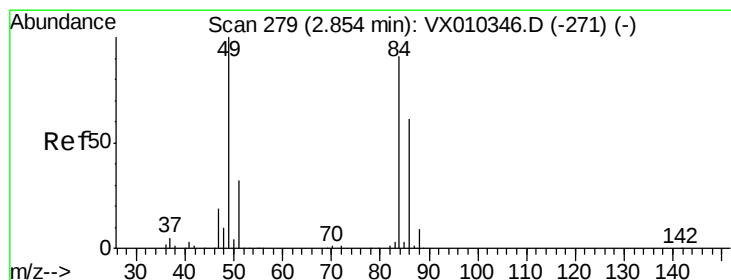
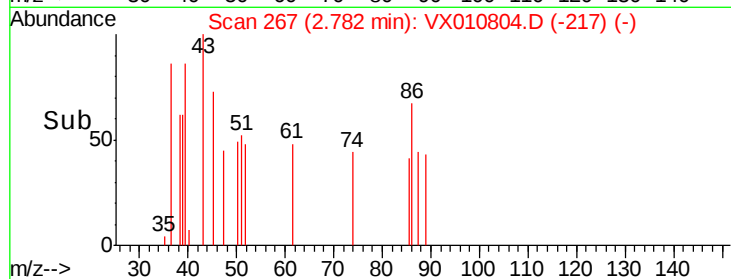
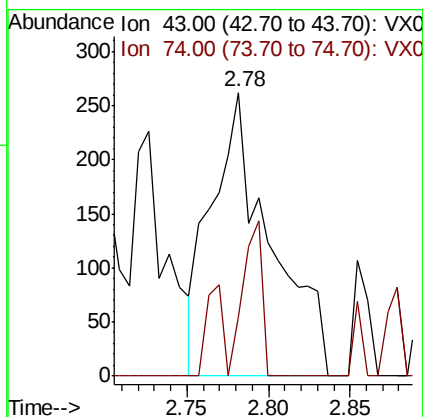
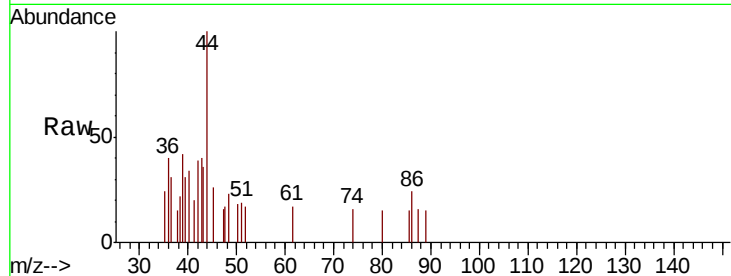




#18
Methyl Acetate
Concen: 0.290 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010804.D
Acq: 11 Jul 2019 14:03

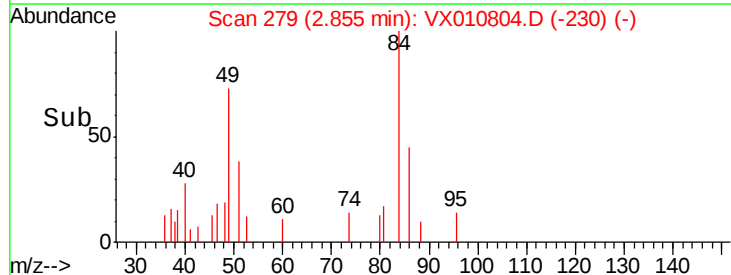
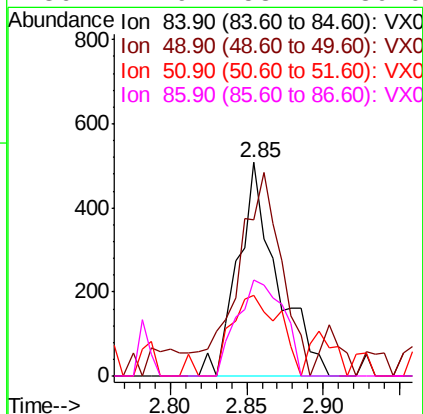
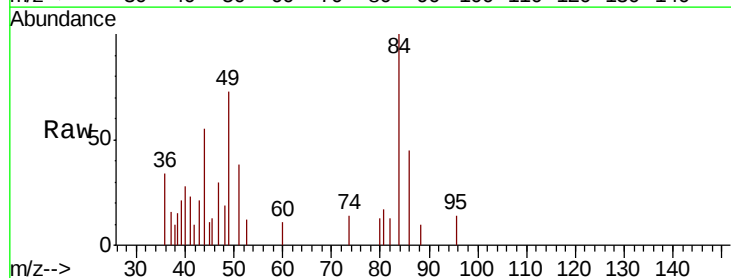
Instrument :
MSVOA_X
ClientSampled :
FB070919

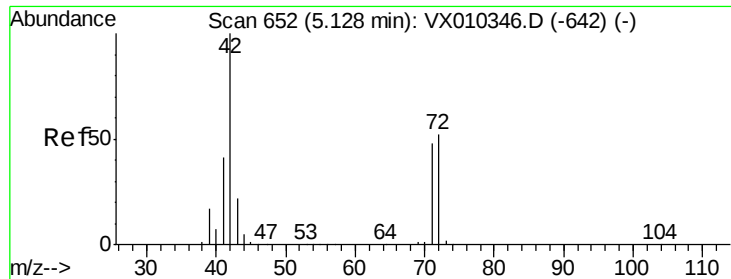
Tot Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
74 17.6 21.3 31.9#



#20
Methylene Chloride
Concen: 0.382 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010804.D
Acq: 11 Jul 2019 14:03

Tgt Ion: 84 Resp: 899
Ion Ratio Lower Upper
84 100
49 62.4 87.5 131.3#
51 27.6 27.7 41.5#
86 44.9 53.4 80.0#





#29

Tetrahydrofuran

Concen: 1.175 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX010804.D

Acq: 11 Jul 2019 14:03

Instrument :

MSVOA_X

ClientSampled :

FB070919

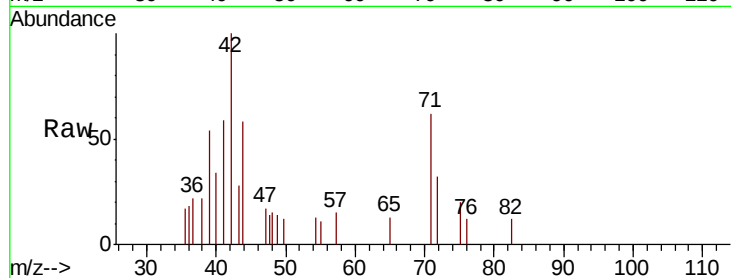
Tot Ion: 42 Resp: 1220

Ion Ratio Lower Upper

42 100

72 33.2 40.6 60.8#

71 59.8 37.8 56.8#

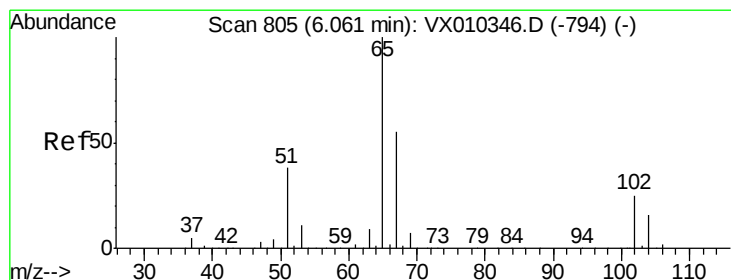
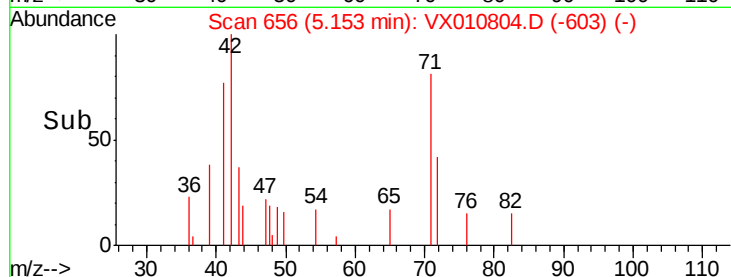
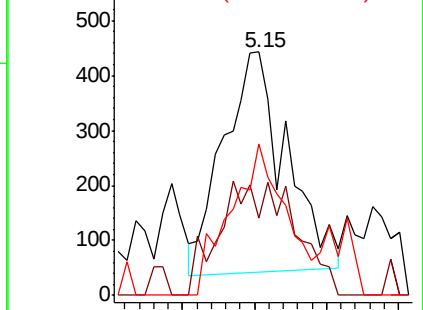


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

5.15



#33

1,2-Dichloroethane-d4

Concen: 55.117 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010804.D

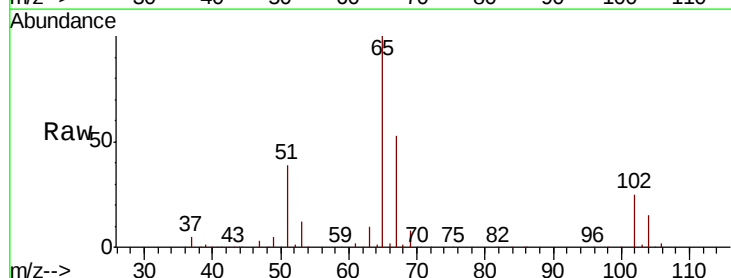
Acq: 11 Jul 2019 14:03

Tgt Ion: 65 Resp: 125688

Ion Ratio Lower Upper

65 100

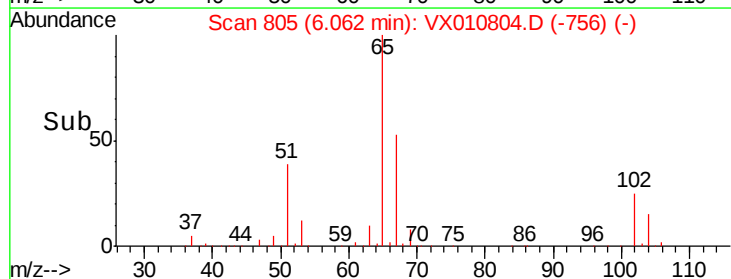
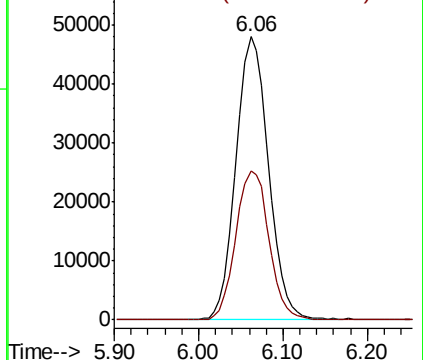
67 53.7 0.0 110.2

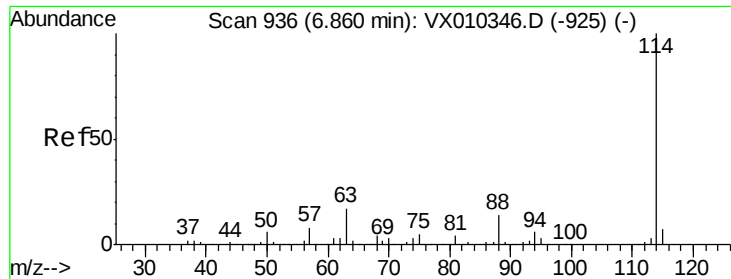


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

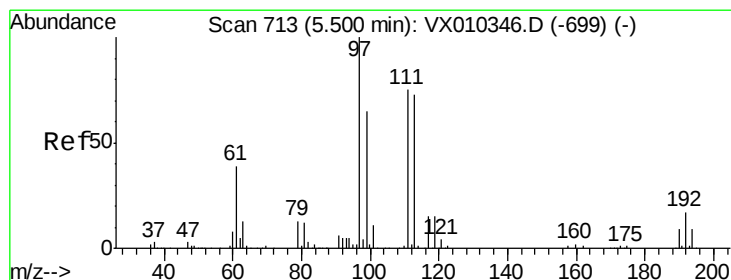
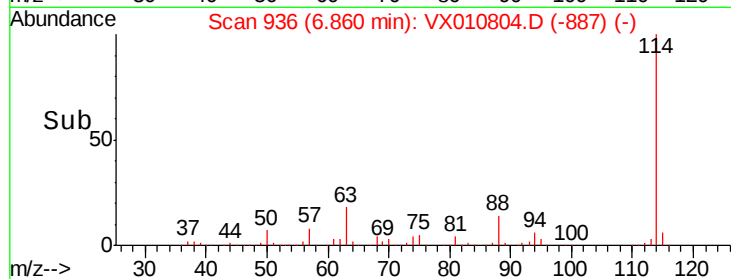
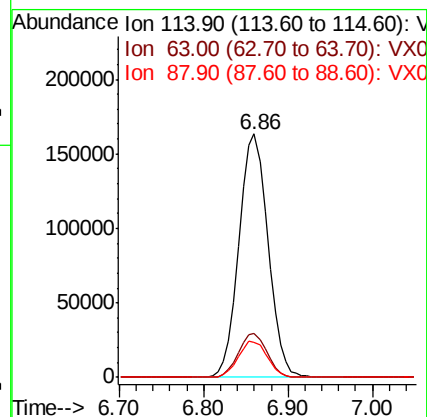
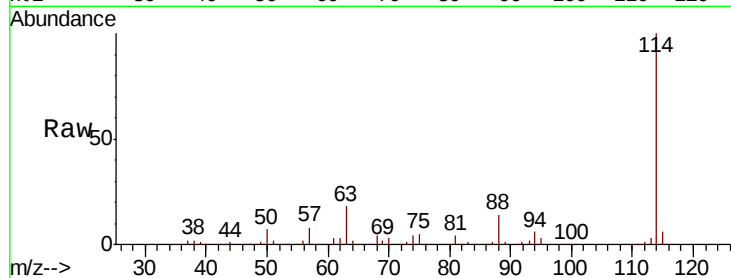




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010804.D
 Acq: 11 Jul 2019 14:03

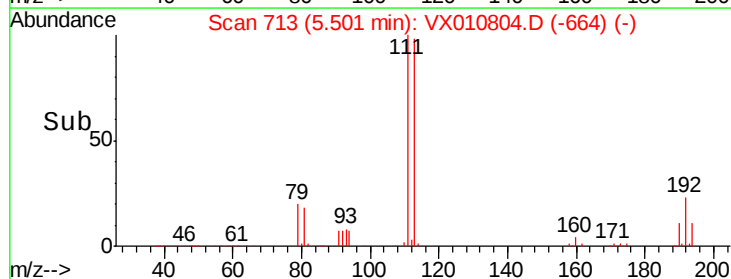
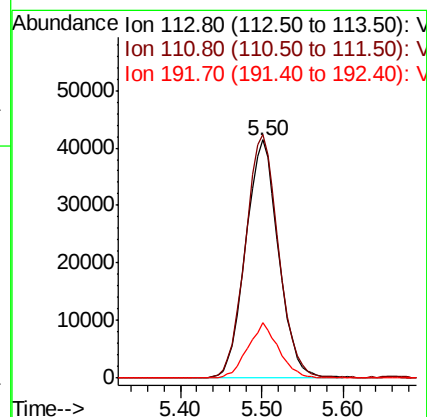
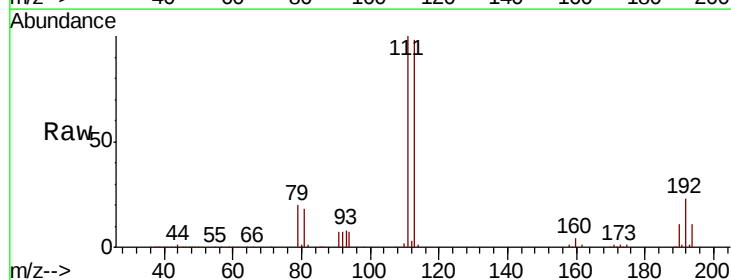
Instrument :
 MSVOA_X
 ClientSampleId :
 FB070919

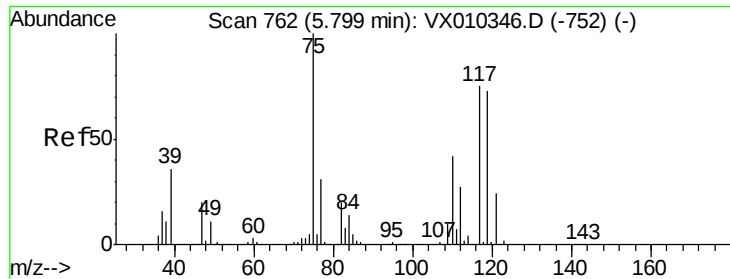
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	33.8
88	14.3	0.0	27.6



#35
 Dibromofluoromethane
 Concen: 49.813 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010804.D
 Acq: 11 Jul 2019 14:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.2	121.8
192	21.8	18.6	27.8

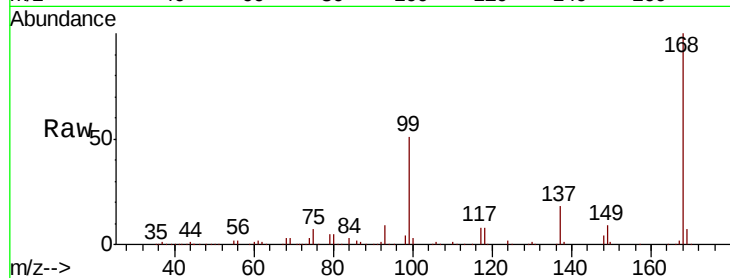




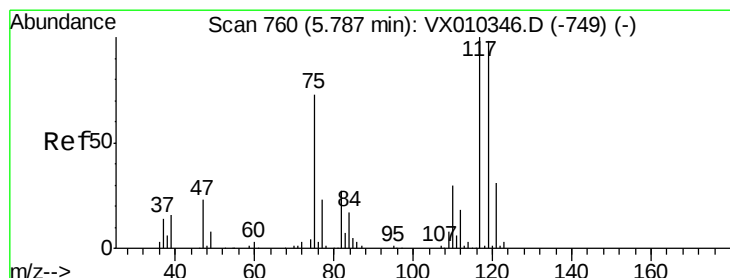
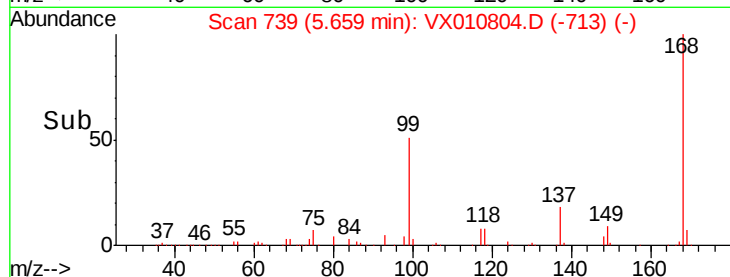
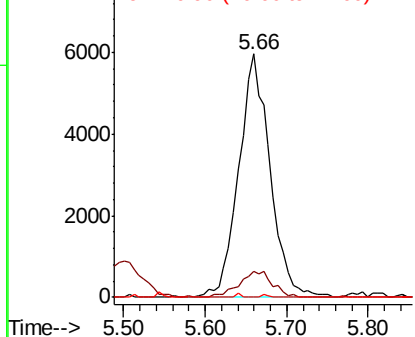
#36
 1,1-Dichloropropene
 Concen: 5.228 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010804.D
 Acq: 11 Jul 2019 14:03

Instrument :
 MSVOA_X
 ClientSampleId :
 FB070919

Tot Ion	Ratio	Lower	Upper
75	100		
110	11.4	20.8	62.2#
77	0.3	25.4	38.0#

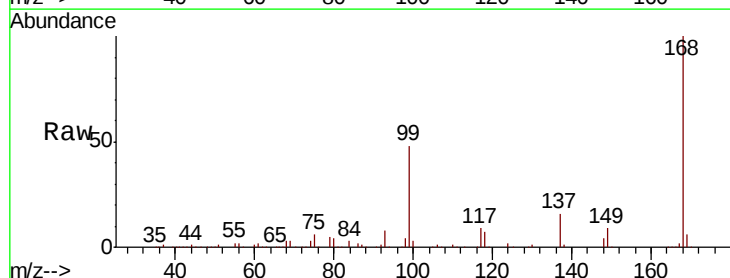


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

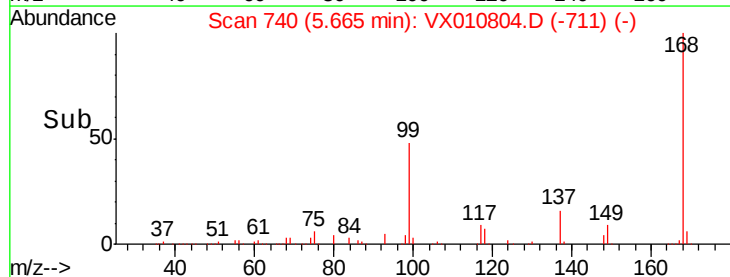
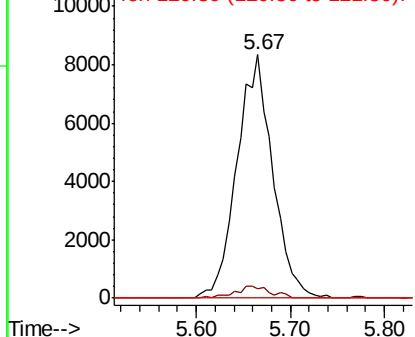


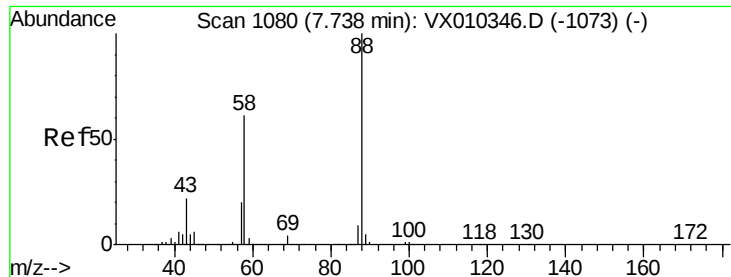
#38
 Carbon Tetrachloride
 Concen: 6.720 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010804.D
 Acq: 11 Jul 2019 14:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	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

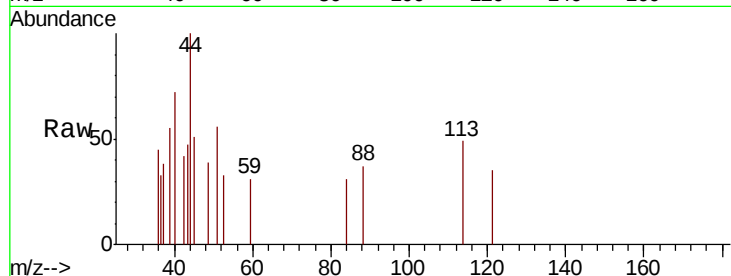




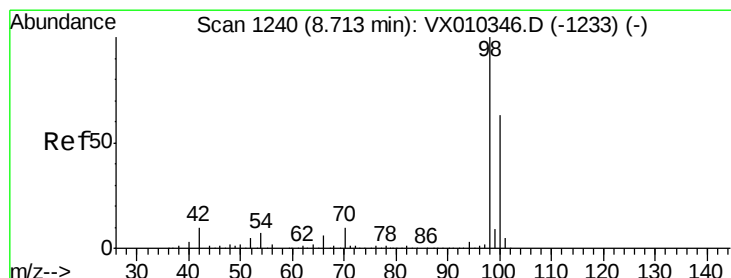
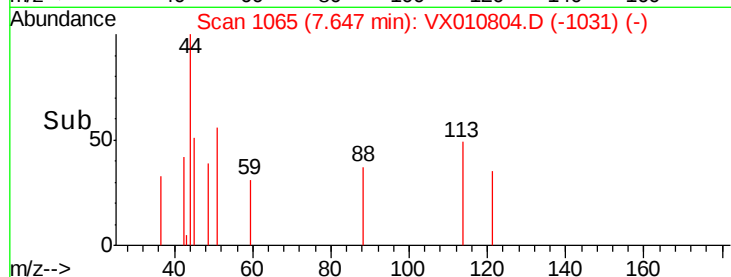
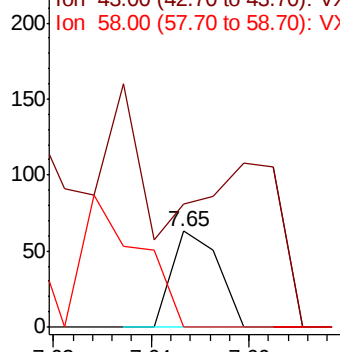
#49
1,4-Dioxane
Concen: 0.608 ug/l
RT: 7.65 min Scan# 1065
Delta R.T. -0.09 min
Lab File: VX010804.D
Acq: 11 Jul 2019 14:03

Instrument :
MSVOA_X
ClientSampled :
FB070919

Tot Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 259.5 20.2 30.2#
58 0.0 49.5 74.3#

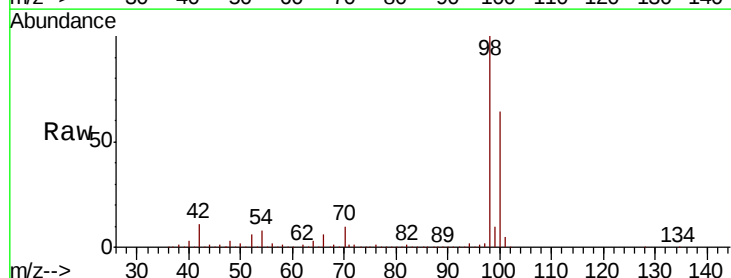


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

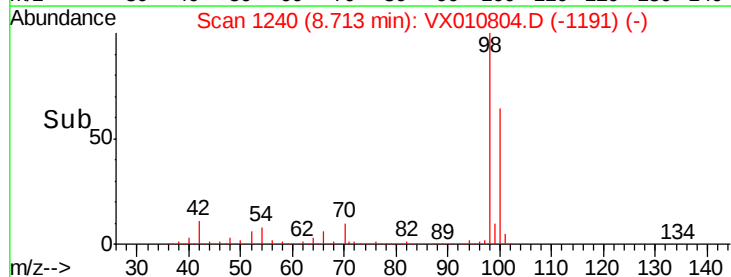
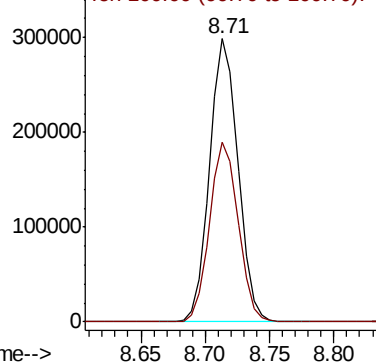


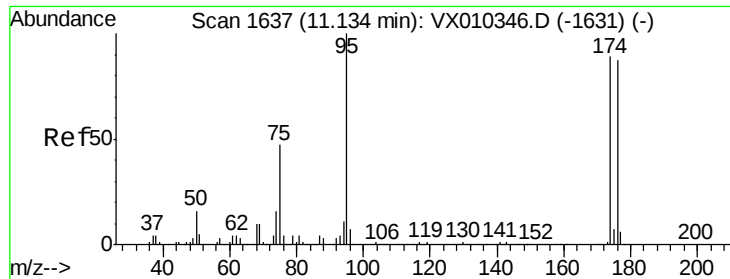
#50
Toluene-d8
Concen: 51.135 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010804.D
Acq: 11 Jul 2019 14:03

Tgt Ion: 98 Resp: 456212
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



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





#62

4-Bromofluorobenzene

Concen: 49.663 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010804.D

Acq: 11 Jul 2019 14:03

Instrument :

MSVOA_X

ClientSampleId :

FB070919

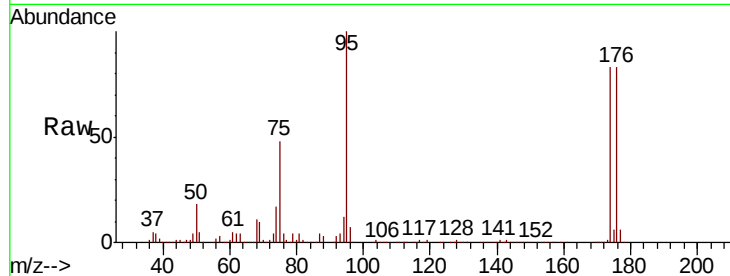
Tot Ion: 95 Resp: 159964

Ion Ratio Lower Upper

95 100

174 90.2 0.0 187.6

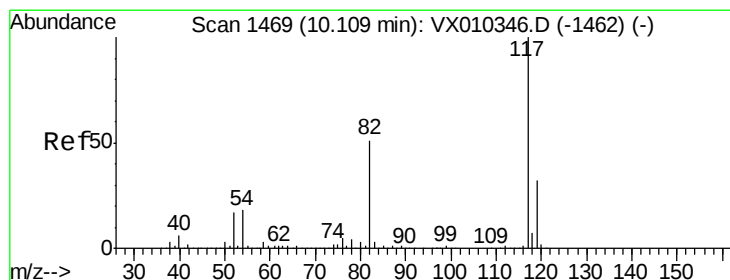
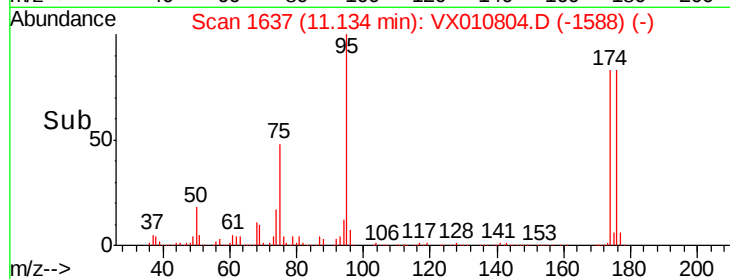
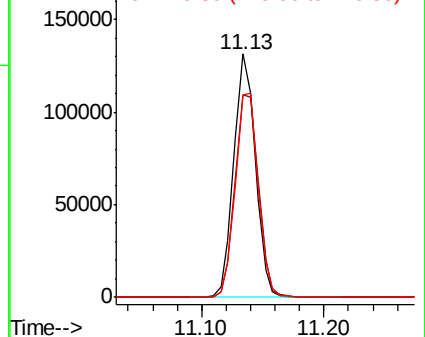
176 88.5 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010804.D

Acq: 11 Jul 2019 14:03

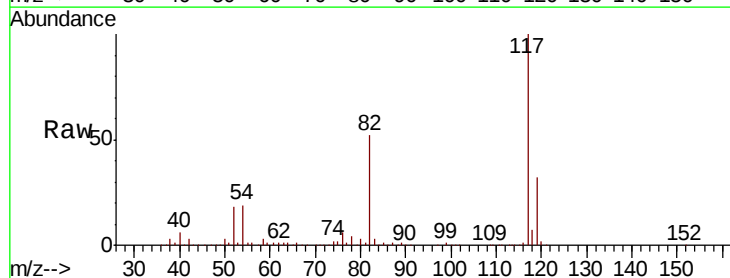
Tgt Ion: 117 Resp: 352921

Ion Ratio Lower Upper

117 100

82 51.9 41.2 61.8

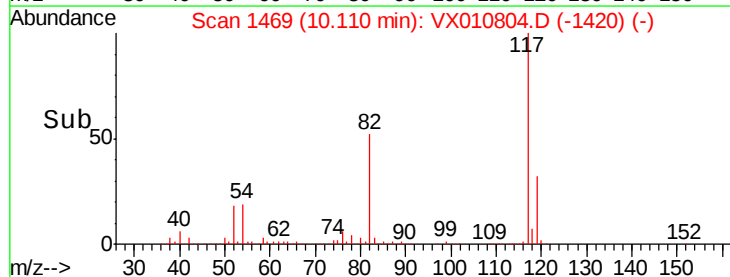
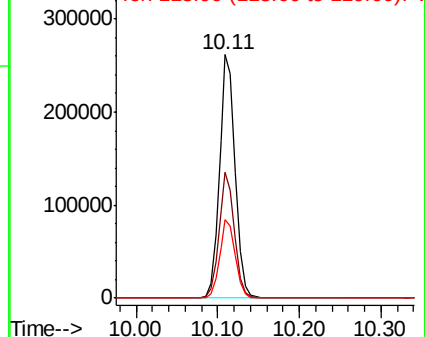
119 32.3 25.5 38.3

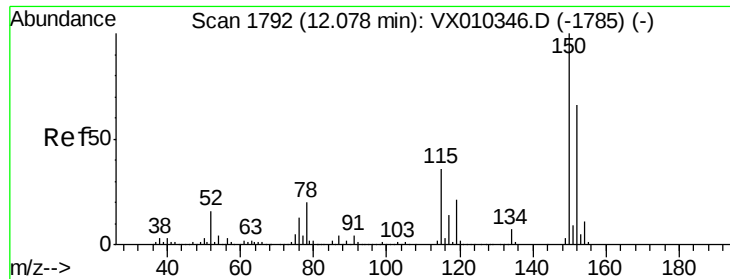


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



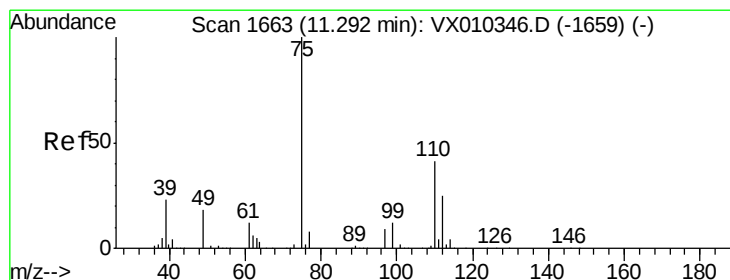
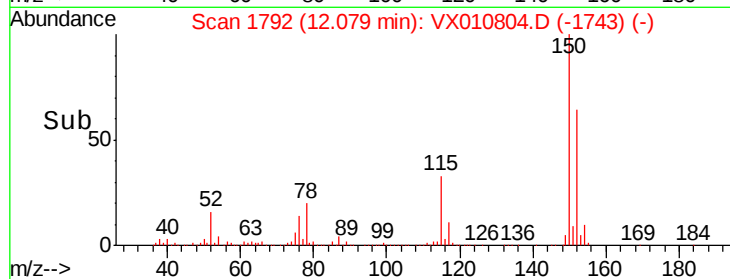
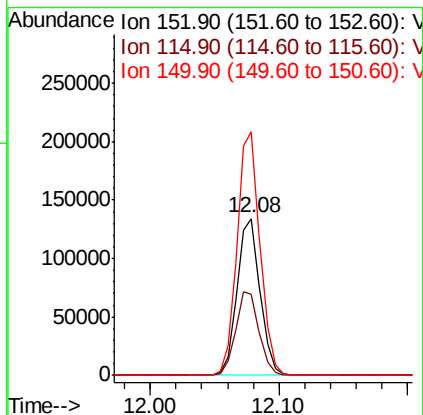
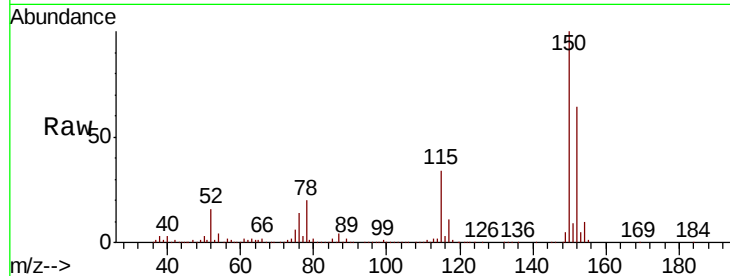


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010804.D
Acq: 11 Jul 2019 14:03

Instrument :
MSVOA_X
ClientSampled :
FB070919

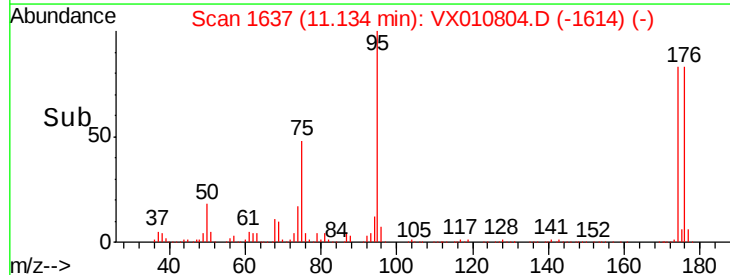
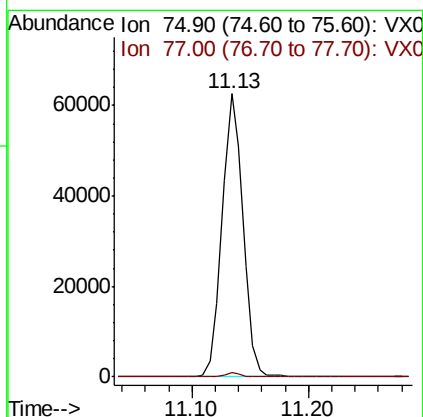
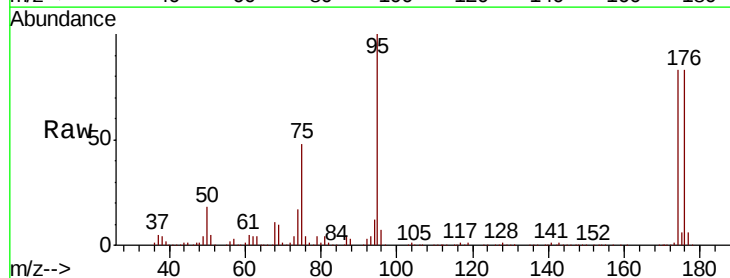
Tot Ion:152 Resp: 165586
Ion Ratio Lower Upper
152 100
115 54.7 38.6 115.7
150 156.3 0.0 347.4

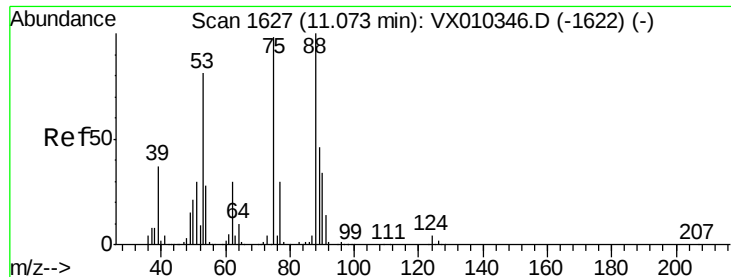


#76

1,2,3-Trichloropropane
Concen: 25.745 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010804.D
Acq: 11 Jul 2019 14:03

Tgt Ion: 75 Resp: 77683
Ion Ratio Lower Upper
75 100
77 1.2 22.6 67.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.060 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010804.D

Acq: 11 Jul 2019 14:03

Instrument :

MSVOA_X

ClientSampleId :

FB070919

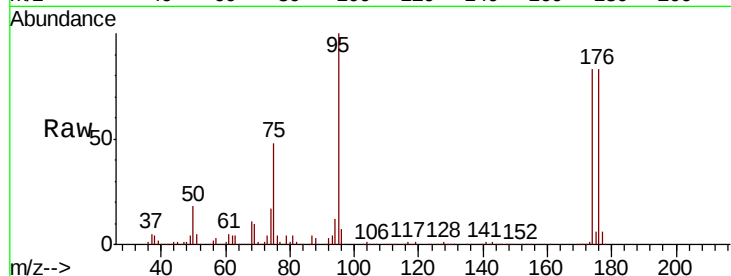
Tot Ion: 75 Resp: 77683

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

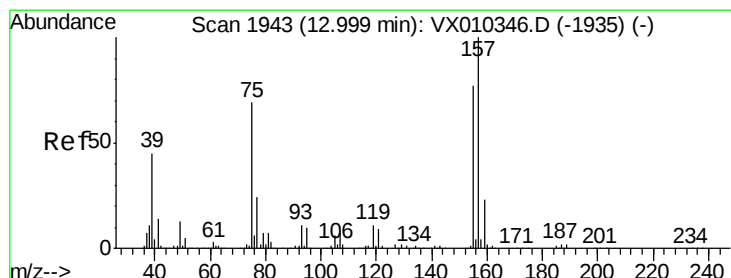
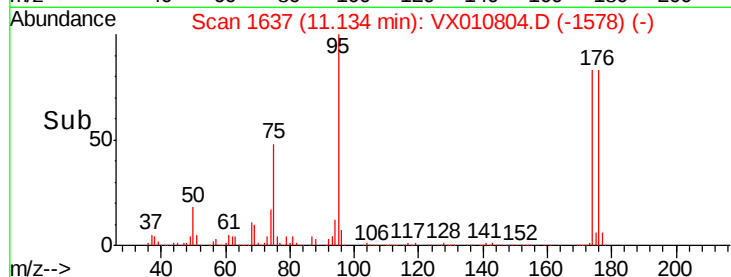
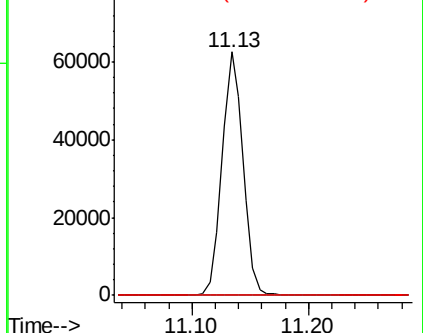
89 0.0 37.8 56.6#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.780 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX010804.D

Acq: 11 Jul 2019 14:03

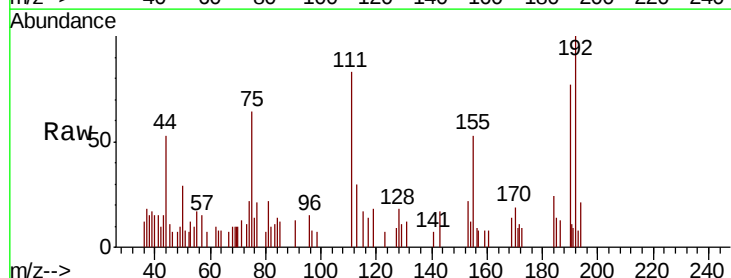
Tgt Ion: 75 Resp: 625

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

157 14.7 69.5 208.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

