

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010803.D
 Acq On : 11 Jul 2019 13:40
 Operator : JC/SP
 Sample : K3749-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB071019

Quant Time: Jul 12 06:53:25 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	249031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	351985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166693	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	128916	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
35) Dibromofluoromethane	5.50	113	118735	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	8.71	98	461546	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.13	95	161616	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

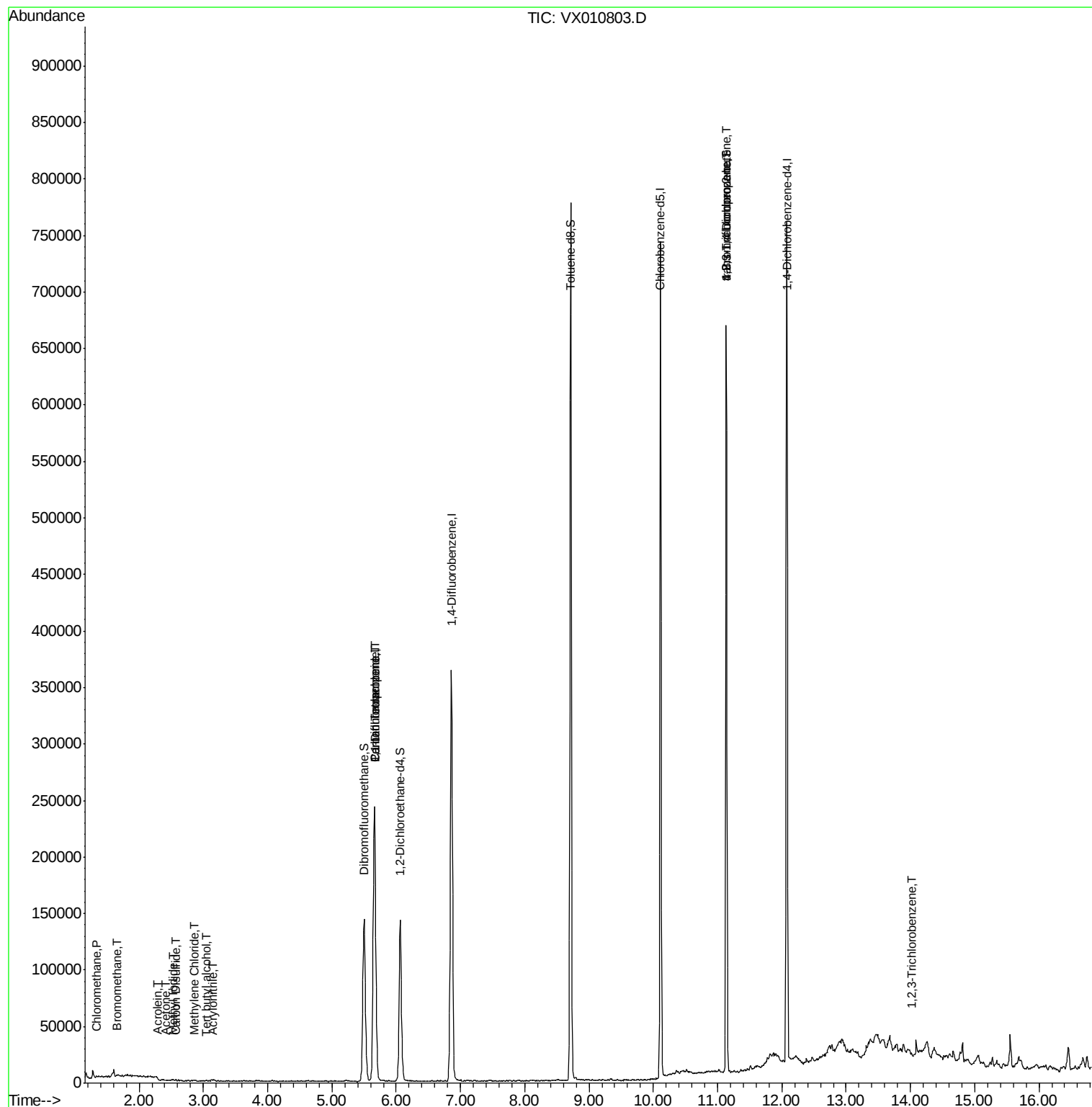
					Qvalue	
3) Chloromethane	1.33	50	414	0.205	ug/l	92
5) Bromomethane	1.65	94	757	0.704	ug/l #	66
10) Methyl Iodide	2.53	142	1118	0.369	ug/l #	83
11) Tert butyl alcohol	3.05	59	230	0.376	ug/l	96
13) Acrolein	2.29	56	349	0.861	ug/l	99
15) Acrylonitrile	3.15	53	327	0.270	ug/l #	45
16) Acetone	2.42	43	328	0.280	ug/l #	39
17) Carbon Disulfide	2.57	76	1372	0.237	ug/l #	88
20) Methylene Chloride	2.85	84	504	0.209	ug/l #	85
36) 1,1-Dichloropropene	5.66	75	16480	5.365	ug/l #	47
38) Carbon Tetrachloride	5.67	117	21961	6.602	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	79926	26.312	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	79926	61.384	ug/l #	16
96) 1,2,3-Trichlorobenzene	14.02	180	830	0.220	ug/l	84

(#) = 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: VX010803.D

Acq: 11 Jul 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

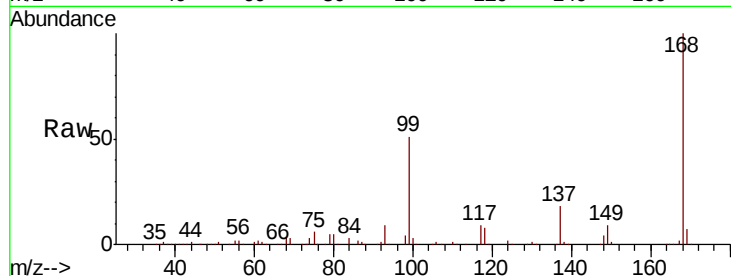
TB071019

Tot Ion:168 Resp: 249031

Ion Ratio Lower Upper

168 100

99 50.7 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

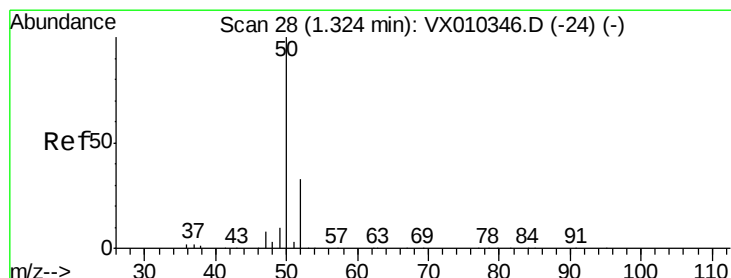
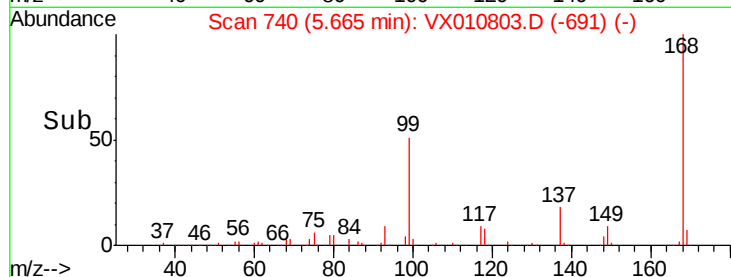
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.205 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010803.D

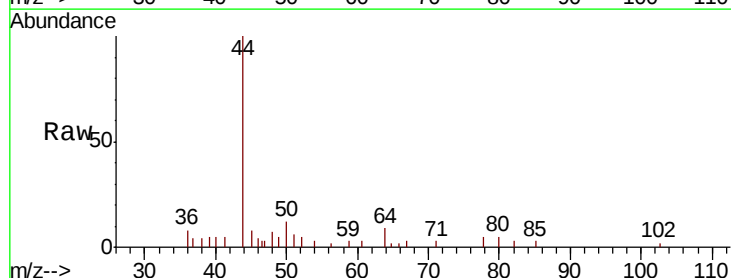
Acq: 11 Jul 2019 13:40

Tgt Ion: 50 Resp: 414

Ion Ratio Lower Upper

50 100

52 37.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

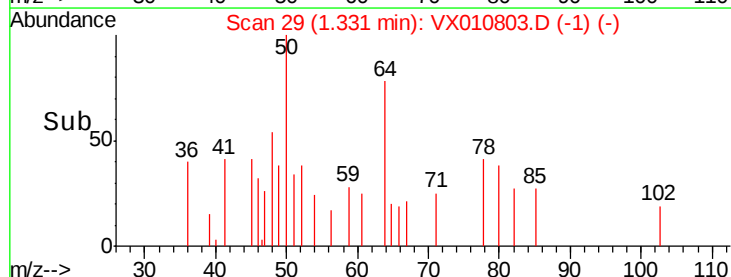
300

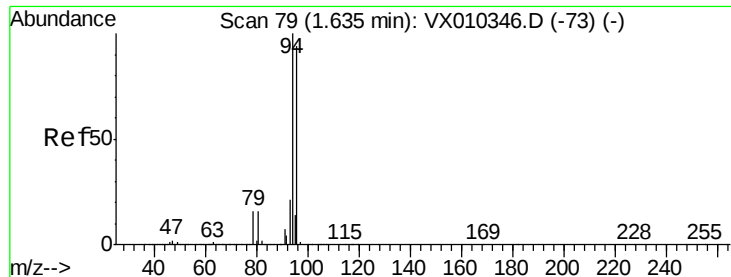
200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.704 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010803.D

Acq: 11 Jul 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

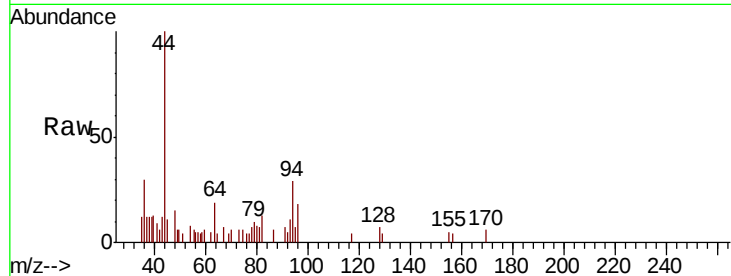
TB071019

Tot Ion: 94 Resp: 757

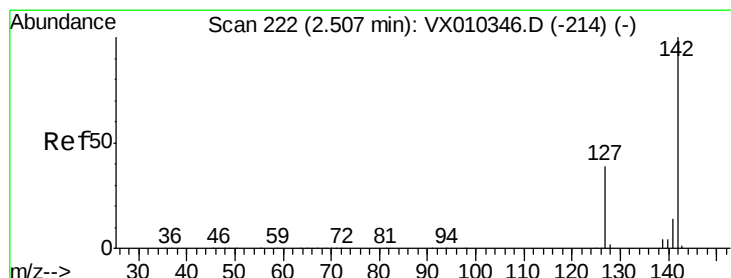
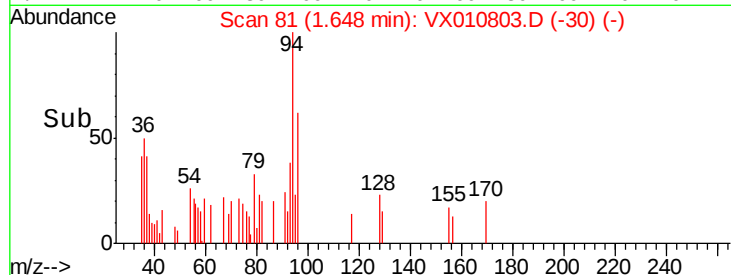
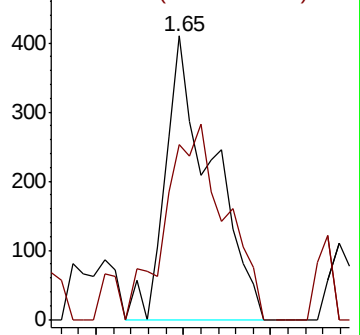
Ion Ratio Lower Upper

94 100

96 61.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#10

Methyl Iodide

Concen: 0.369 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX010803.D

Acq: 11 Jul 2019 13:40

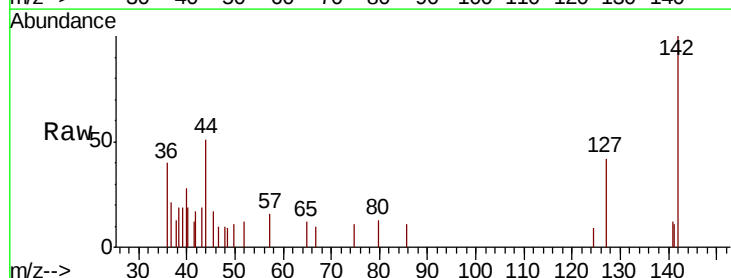
Tgt Ion: 142 Resp: 1118

Ion Ratio Lower Upper

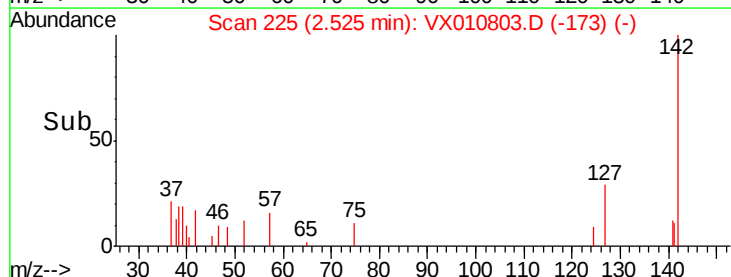
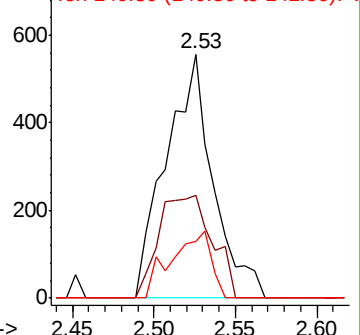
142 100

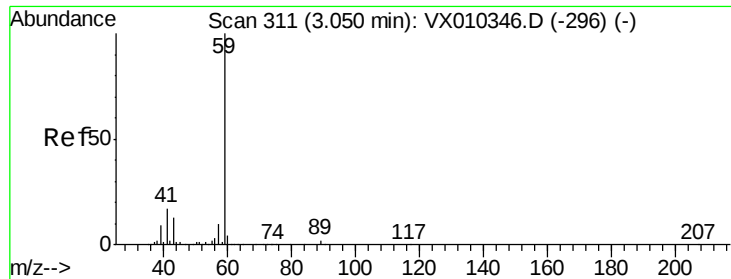
127 47.9 31.1 46.7#

141 23.2 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

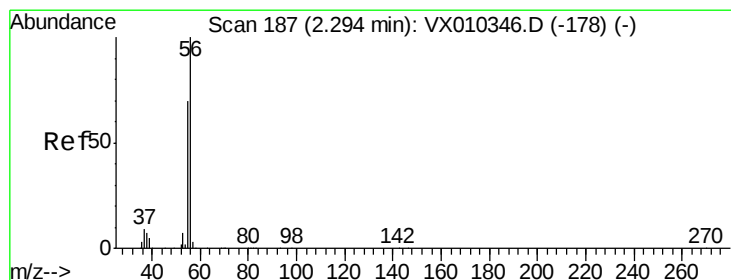
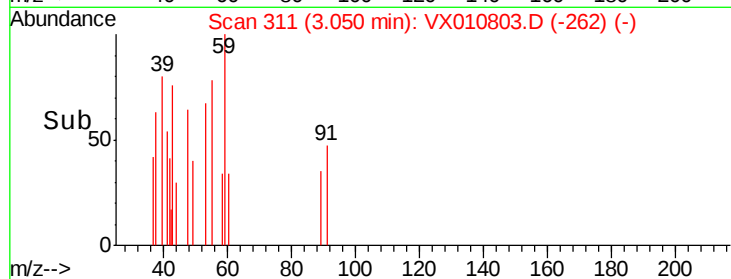
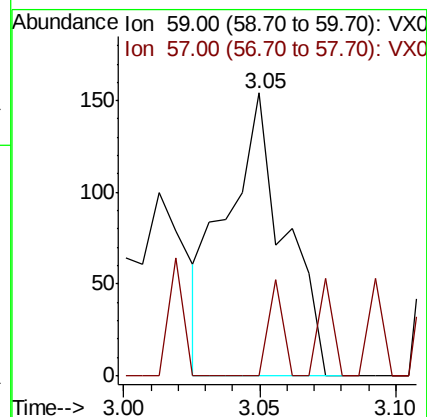
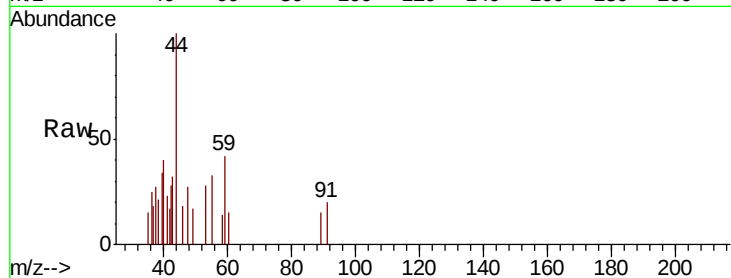




#11
Tert butyl alcohol
Concen: 0.376 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010803.D
Acq: 11 Jul 2019 13:40

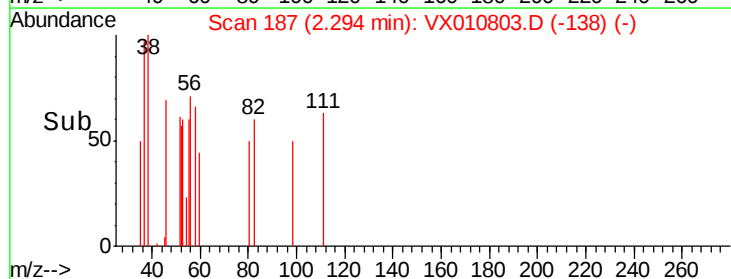
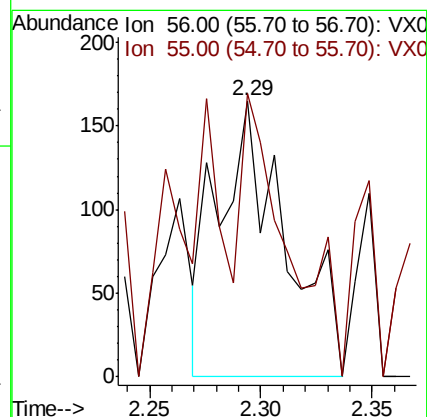
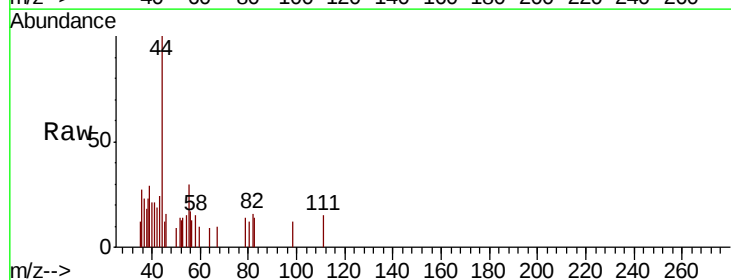
Instrument :
MSVOA_X
ClientSampleID :
TB071019

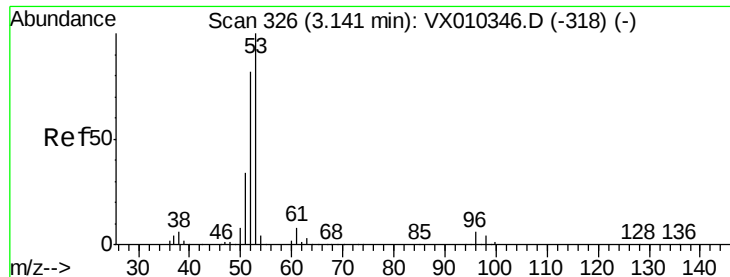
Tot Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 8.3 7.7 11.5



#13
Acrolein
Concen: 0.861 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010803.D
Acq: 11 Jul 2019 13:40

Tgt Ion: 56 Resp: 349
Ion Ratio Lower Upper
56 100
55 70.2 56.9 85.3





#15

Acrylonitrile

Concen: 0.270 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010803.D

Acq: 11 Jul 2019 13:40

Instrument :

MSVOA_X

ClientSampled :

TB071019

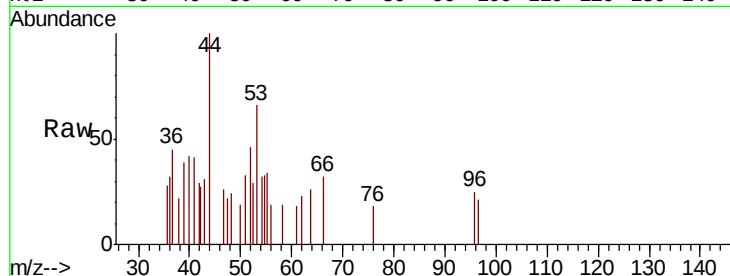
Tot Ion: 53 Resp: 327

Ion Ratio Lower Upper

53 100

52 145.9 65.5 98.3#

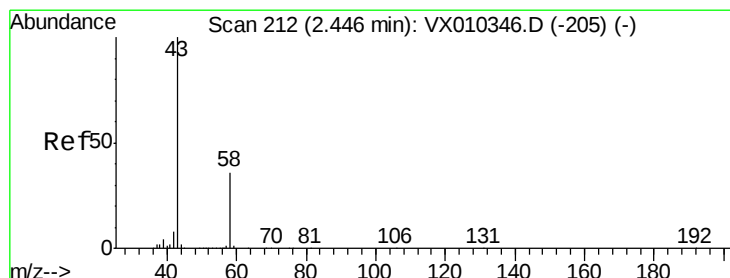
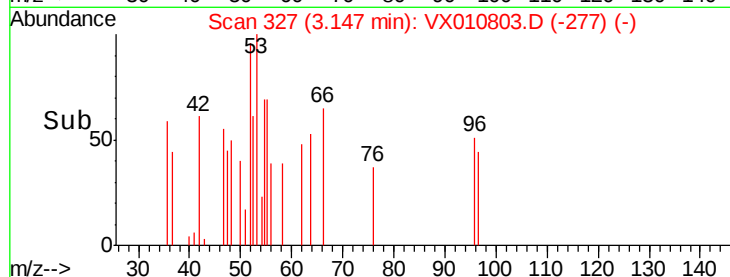
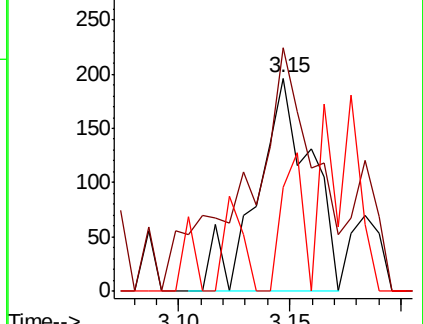
51 25.1 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.280 ug/l

RT: 2.42 min Scan# 208

Delta R.T. -0.02 min

Lab File: VX010803.D

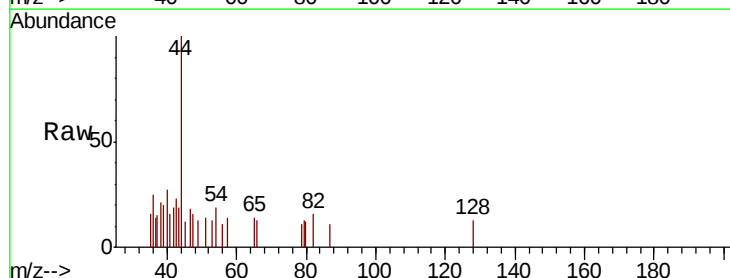
Acq: 11 Jul 2019 13:40

Tgt Ion: 43 Resp: 328

Ion Ratio Lower Upper

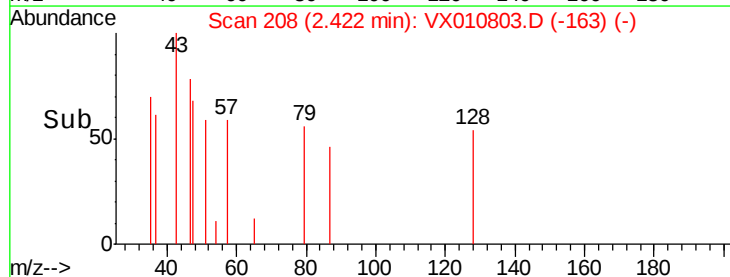
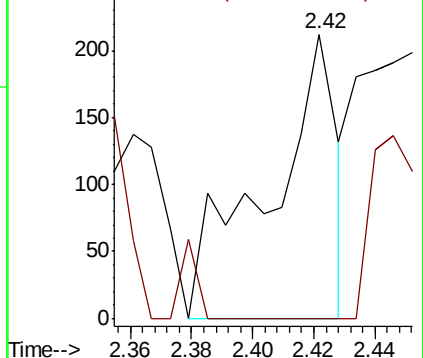
43 100

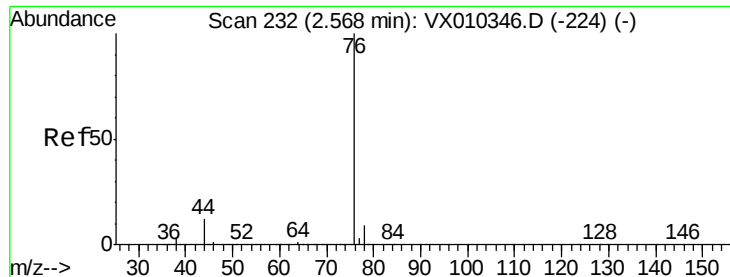
58 0.0 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.237 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010803.D

Acq: 11 Jul 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

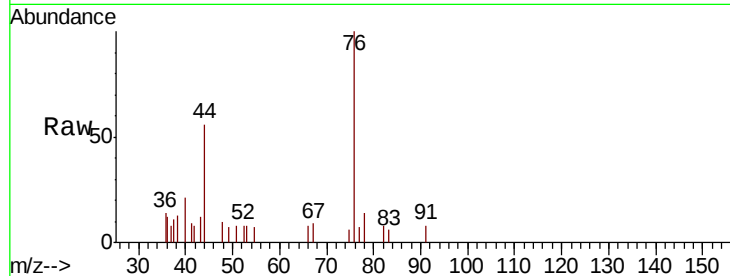
TB071019

Tot Ion: 76 Resp: 1372

Ion Ratio Lower Upper

76 100

78 13.6 7.3 10.9#

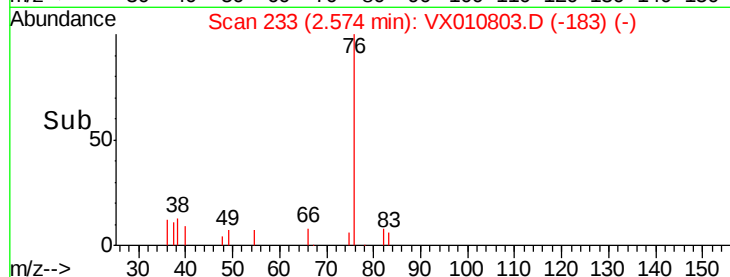


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

Time-->



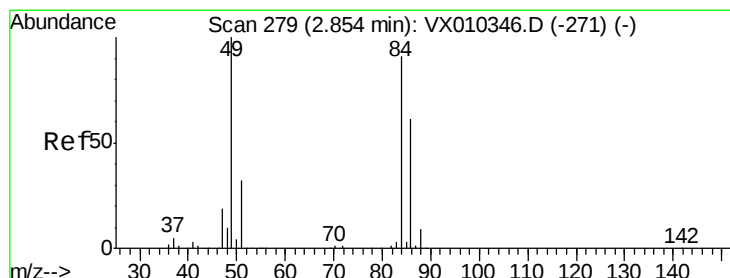
Abundance

Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

Time-->



#20

Methylene Chloride

Concen: 0.209 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX010803.D

Acq: 11 Jul 2019 13:40

Tgt Ion: 84 Resp: 504

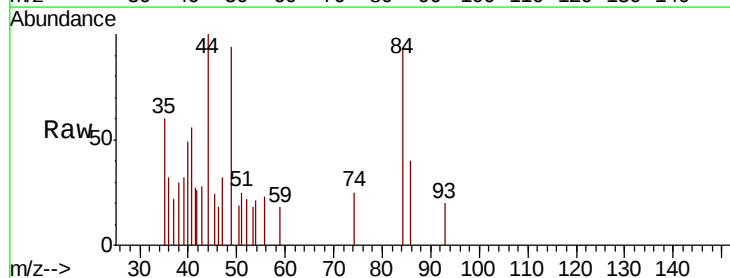
Ion Ratio Lower Upper

84 100

49 101.5 87.5 131.3

51 27.2 27.7 41.5#

86 42.9 53.4 80.0#



Abundance Ion 83.90 (83.60 to 84.60): VX0

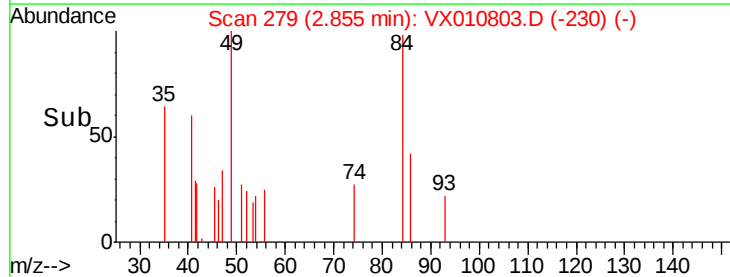
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

2.85

Time-->



Abundance

Ion 83.90 (83.60 to 84.60): VX0

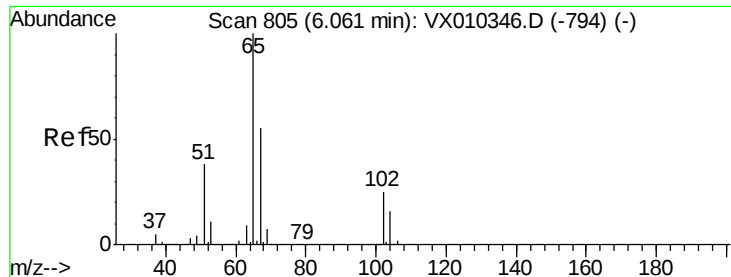
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

2.85

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.212 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010803.D

Acq: 11 Jul 2019 13:40

Instrument :

MSVOA_X

ClientSampled :

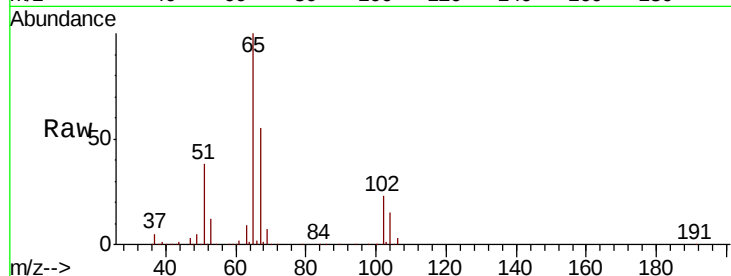
TB071019

Tot Ion: 65 Resp: 128916

Ion Ratio Lower Upper

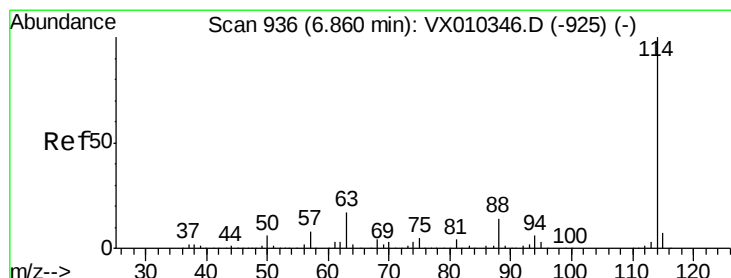
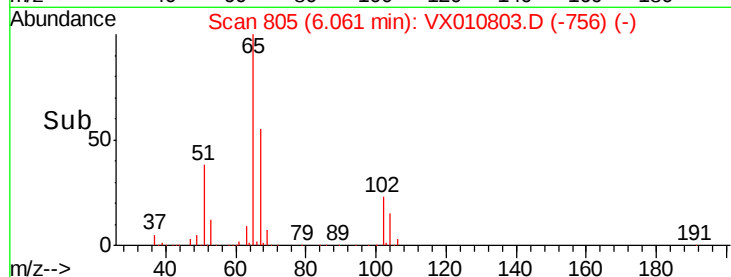
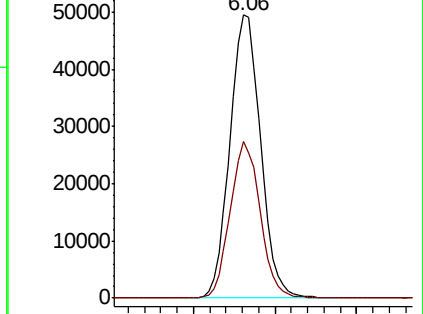
65 100

67 53.8 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: VX010803.D

Acq: 11 Jul 2019 13:40

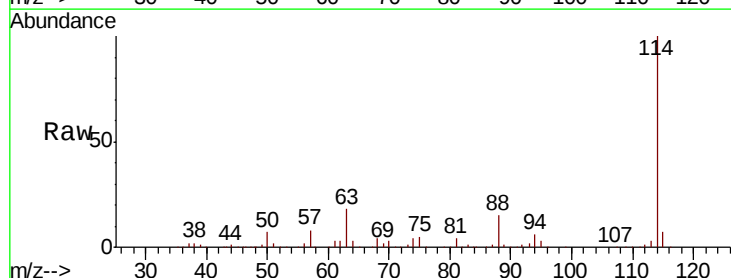
Tgt Ion: 114 Resp: 386584

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.8

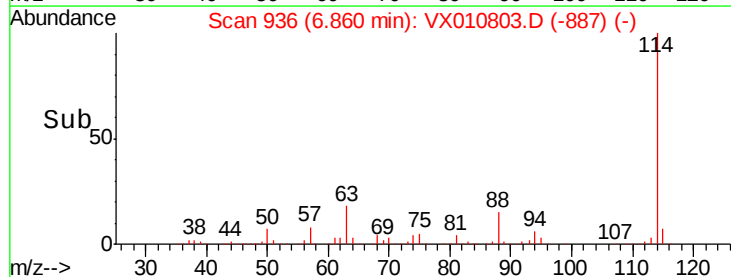
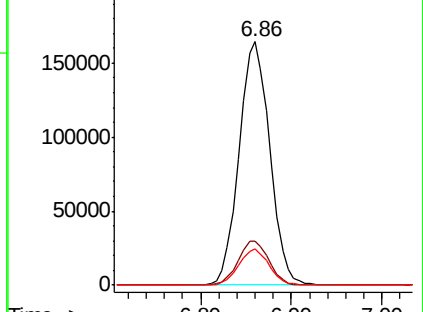
88 15.1 0.0 27.6

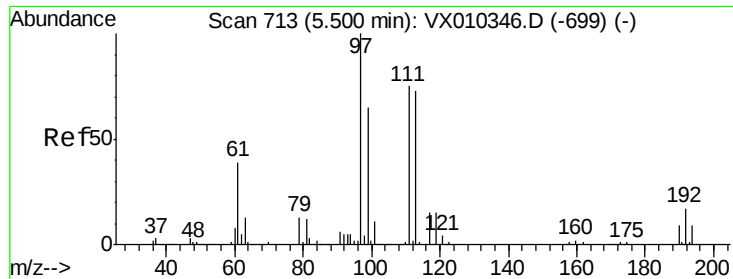


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

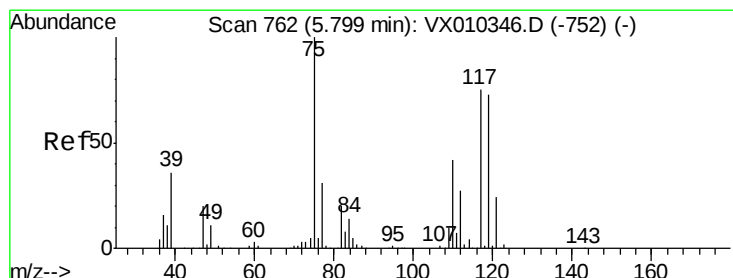
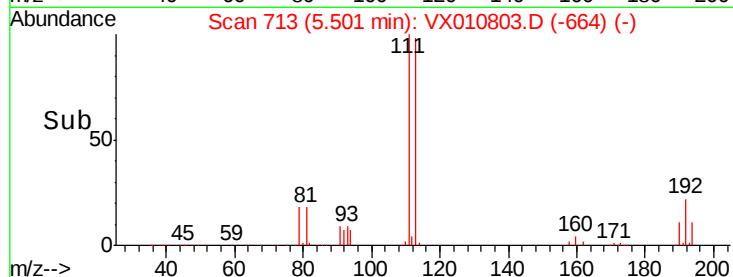
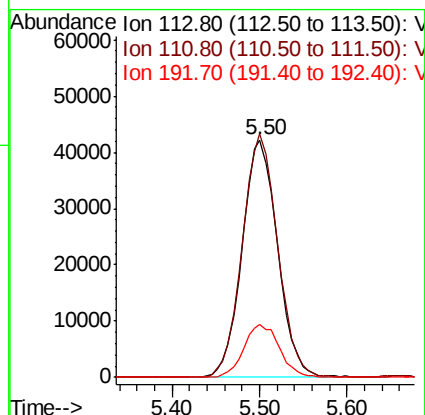
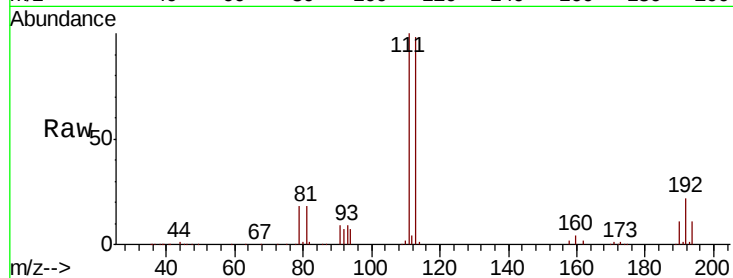




#35
 Dibromofluoromethane
 Concen: 50.200 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010803.D
 Acq: 11 Jul 2019 13:40

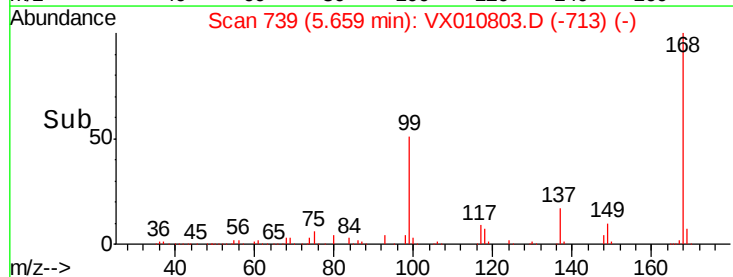
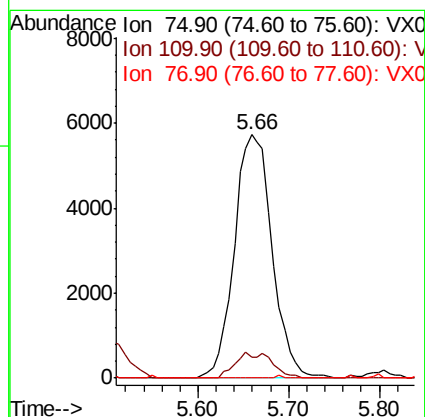
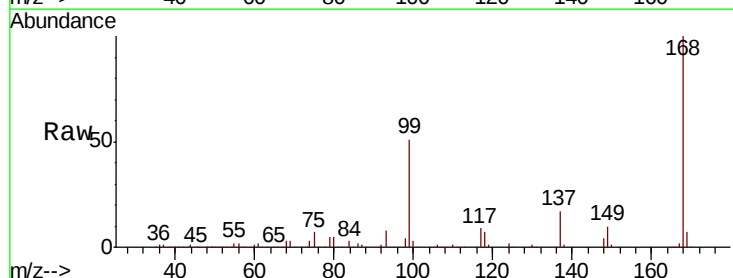
Instrument :
 MSVOA_X
 ClientSampleId :
 TB071019

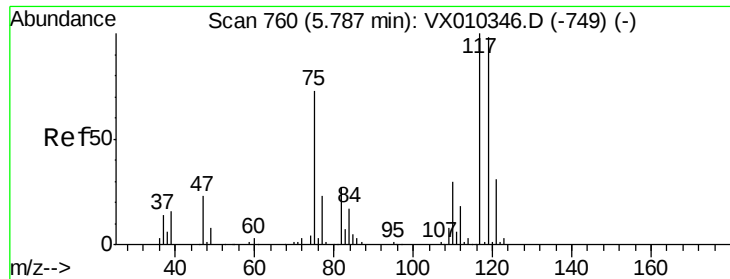
Tot Ion:113 Resp: 118735
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.2 121.8
 192 22.6 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.365 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010803.D
 Acq: 11 Jul 2019 13:40

Tgt Ion: 75 Resp: 16480
 Ion Ratio Lower Upper
 75 100
 110 10.3 20.8 62.2#
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.602 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010803.D

Acq: 11 Jul 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

TB071019

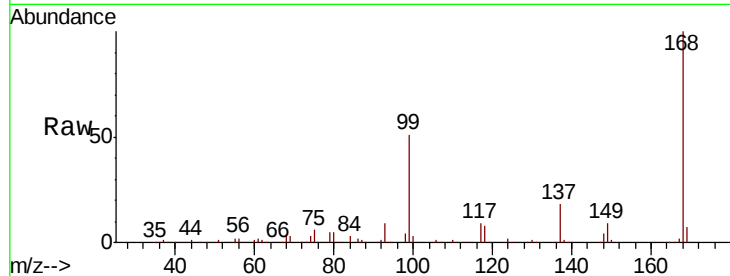
Tot Ion:117 Resp: 21961

Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.4#

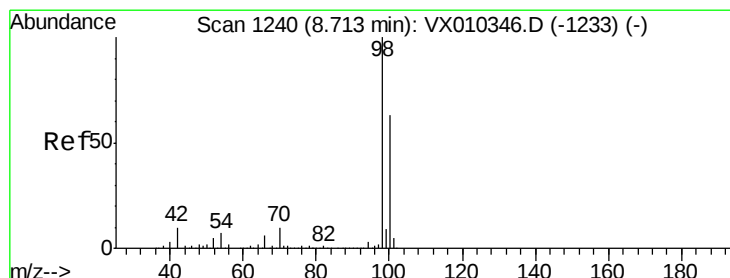
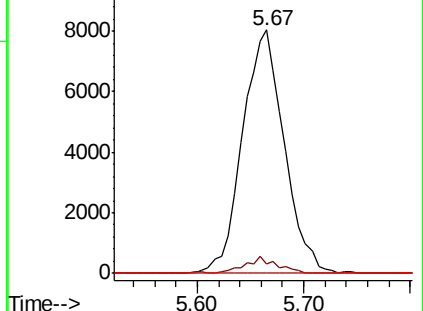
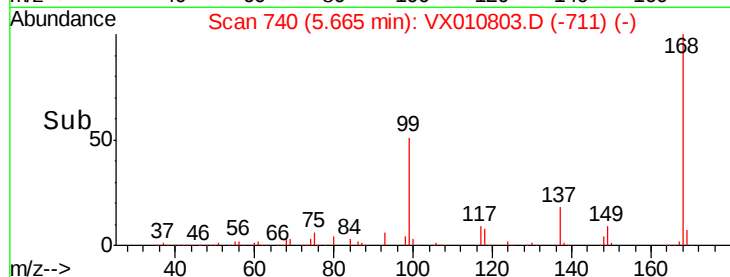
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 51.005 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010803.D

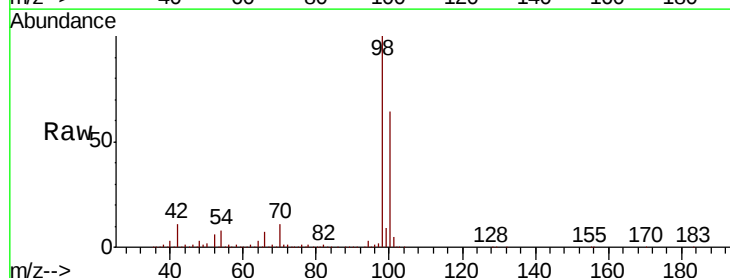
Acq: 11 Jul 2019 13:40

Tgt Ion: 98 Resp: 461546

Ion Ratio Lower Upper

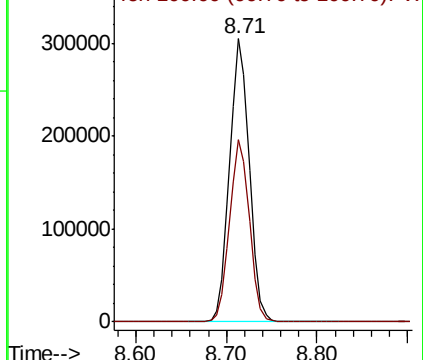
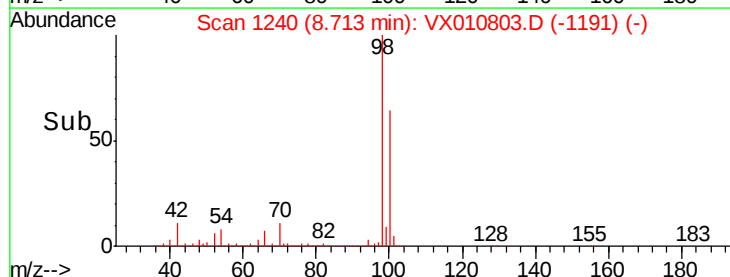
98 100

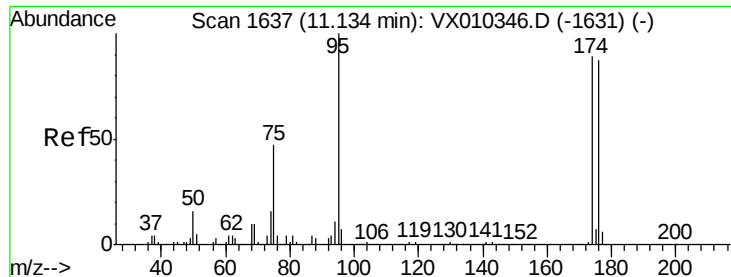
100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 49.470 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010803.D

Acq: 11 Jul 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

TB071019

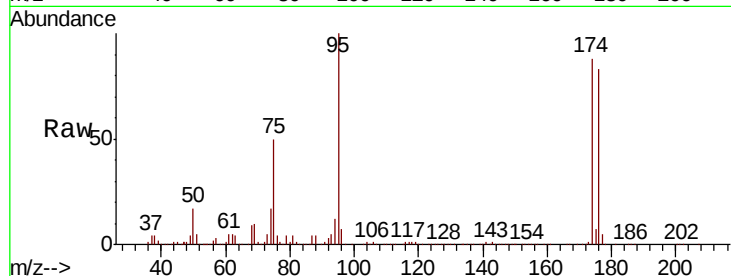
Tot Ion: 95 Resp: 161616

Ion Ratio Lower Upper

95 100

174 92.3 0.0 187.6

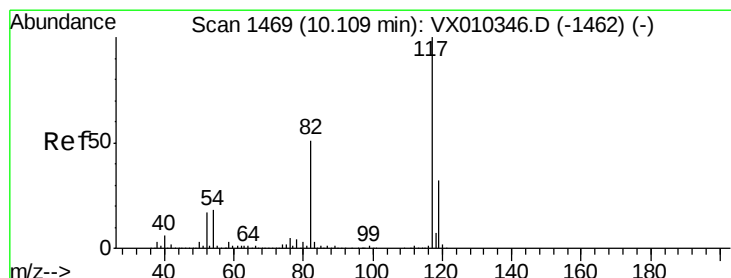
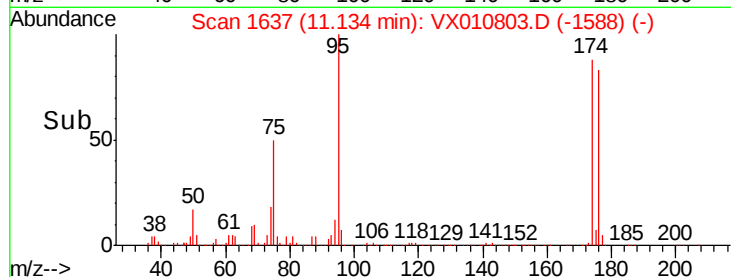
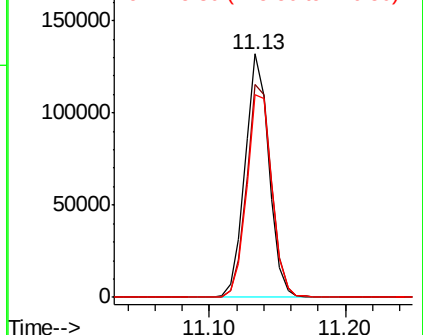
176 88.6 0.0 184.0



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: VX010803.D

Acq: 11 Jul 2019 13:40

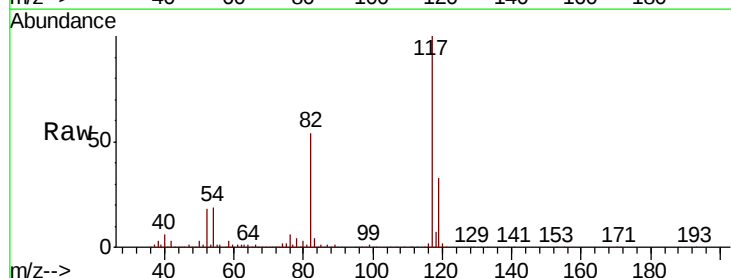
Tgt Ion: 117 Resp: 351985

Ion Ratio Lower Upper

117 100

82 53.6 41.2 61.8

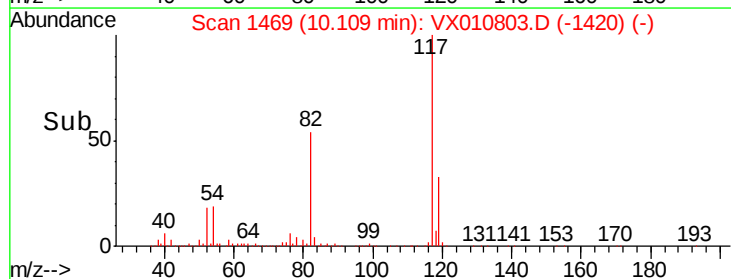
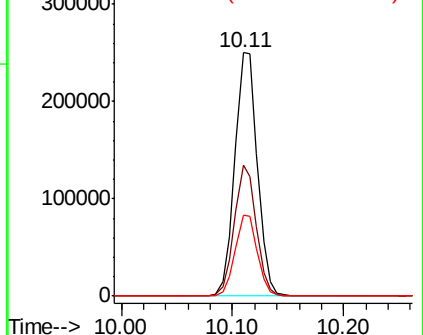
119 33.0 25.5 38.3

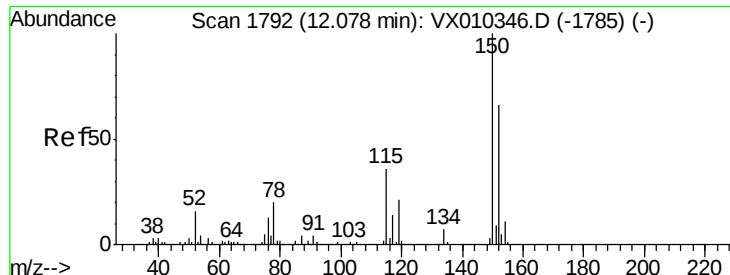


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



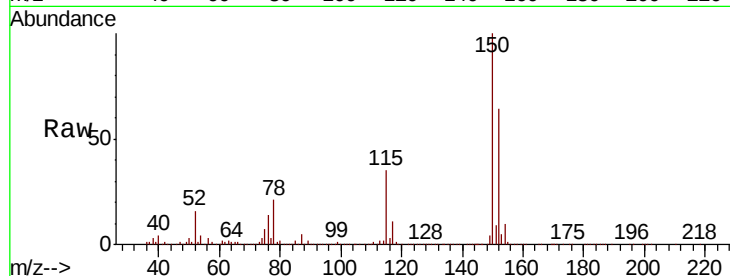


#72

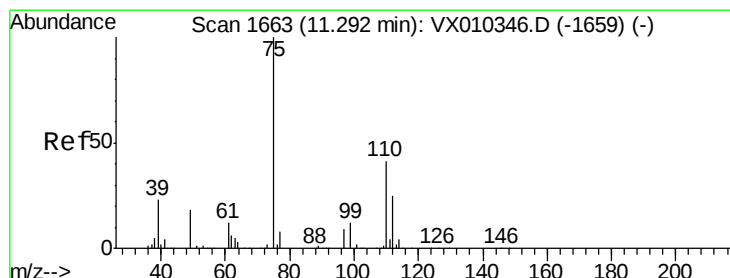
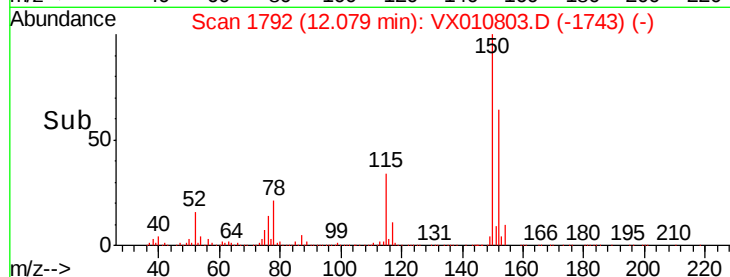
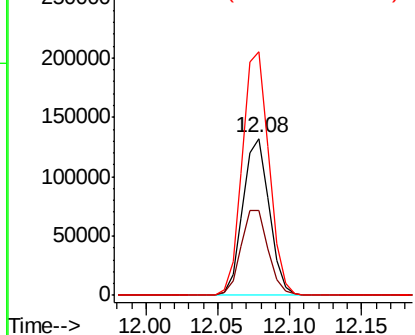
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010803.D
Acq: 11 Jul 2019 13:40

Instrument :
MSVOA_X
ClientSampled :
TB071019

Tot Ion:152 Resp: 166693
Ion Ratio Lower Upper
152 100
115 56.4 38.6 115.7
150 158.2 0.0 347.4



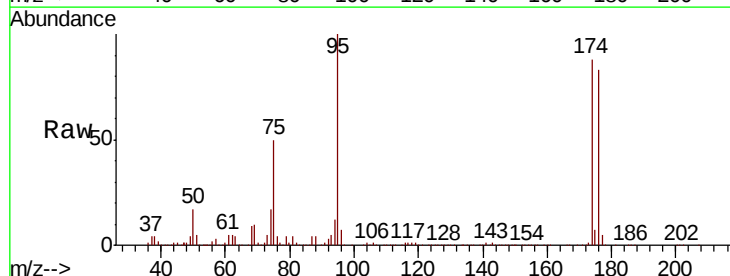
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



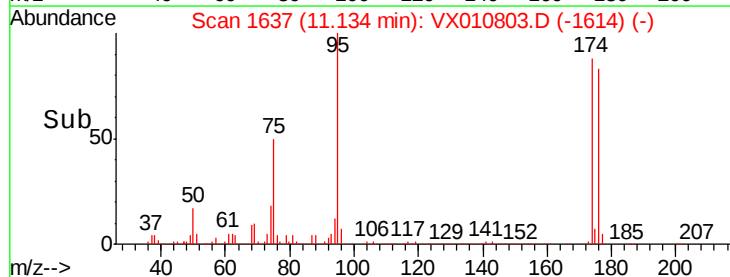
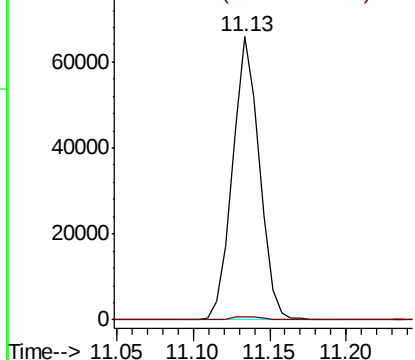
#76

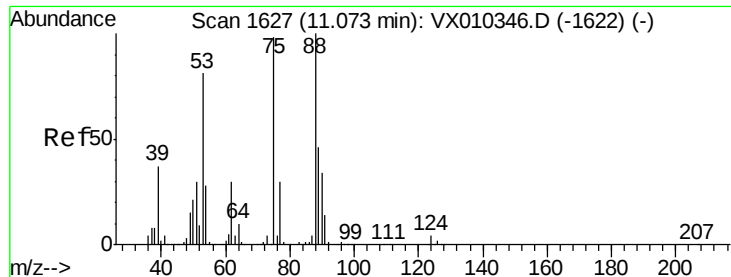
1,2,3-Trichloropropane
Concen: 26.312 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010803.D
Acq: 11 Jul 2019 13:40

Tgt Ion: 75 Resp: 79926
Ion Ratio Lower Upper
75 100
77 1.2 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

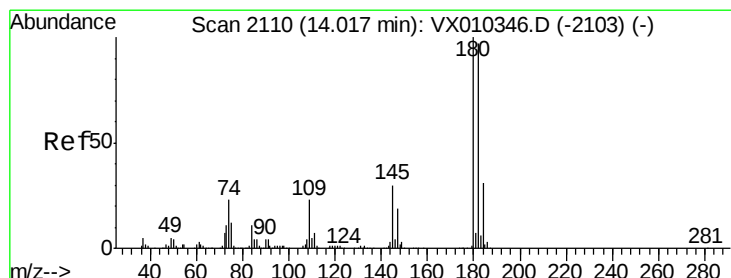
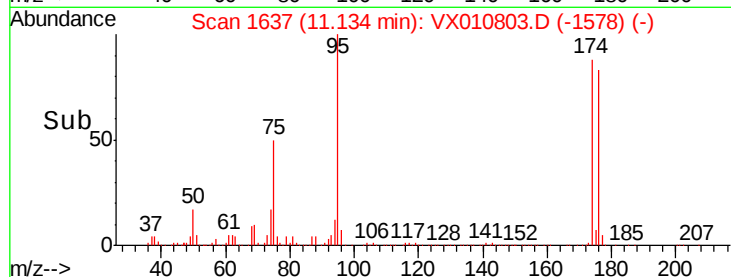
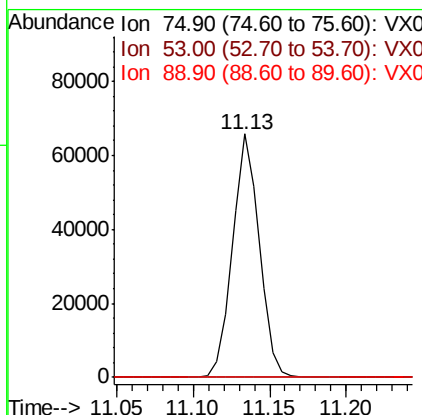
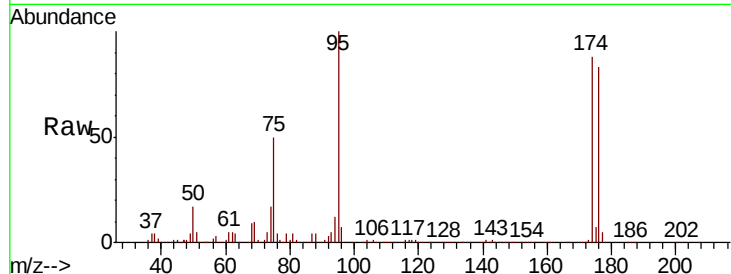




#81
trans-1,4-Dichloro-2-butene
Concen: 61.384 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010803.D
Acq: 11 Jul 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
TB071019

Tot Ion: 75 Resp: 79926
Ion Ratio Lower Upper
75 100
53 0.5 66.1 99.1#
89 0.1 37.8 56.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.220 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010803.D
Acq: 11 Jul 2019 13:40

Tgt Ion: 180 Resp: 830
Ion Ratio Lower Upper
180 100
182 81.9 47.8 143.3
145 43.3 15.2 45.6

