

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082820\
 Data File : VX018123.D
 Acq On : 28 Aug 2020 16:16
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

Quant Time: Aug 29 03:06:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	578878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	969931	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	944199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	447042	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	394144	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
35) Dibromofluoromethane	5.47	113	325450	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.70	98	1185962	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
62) 4-Bromofluorobenzene	11.12	95	456709	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	

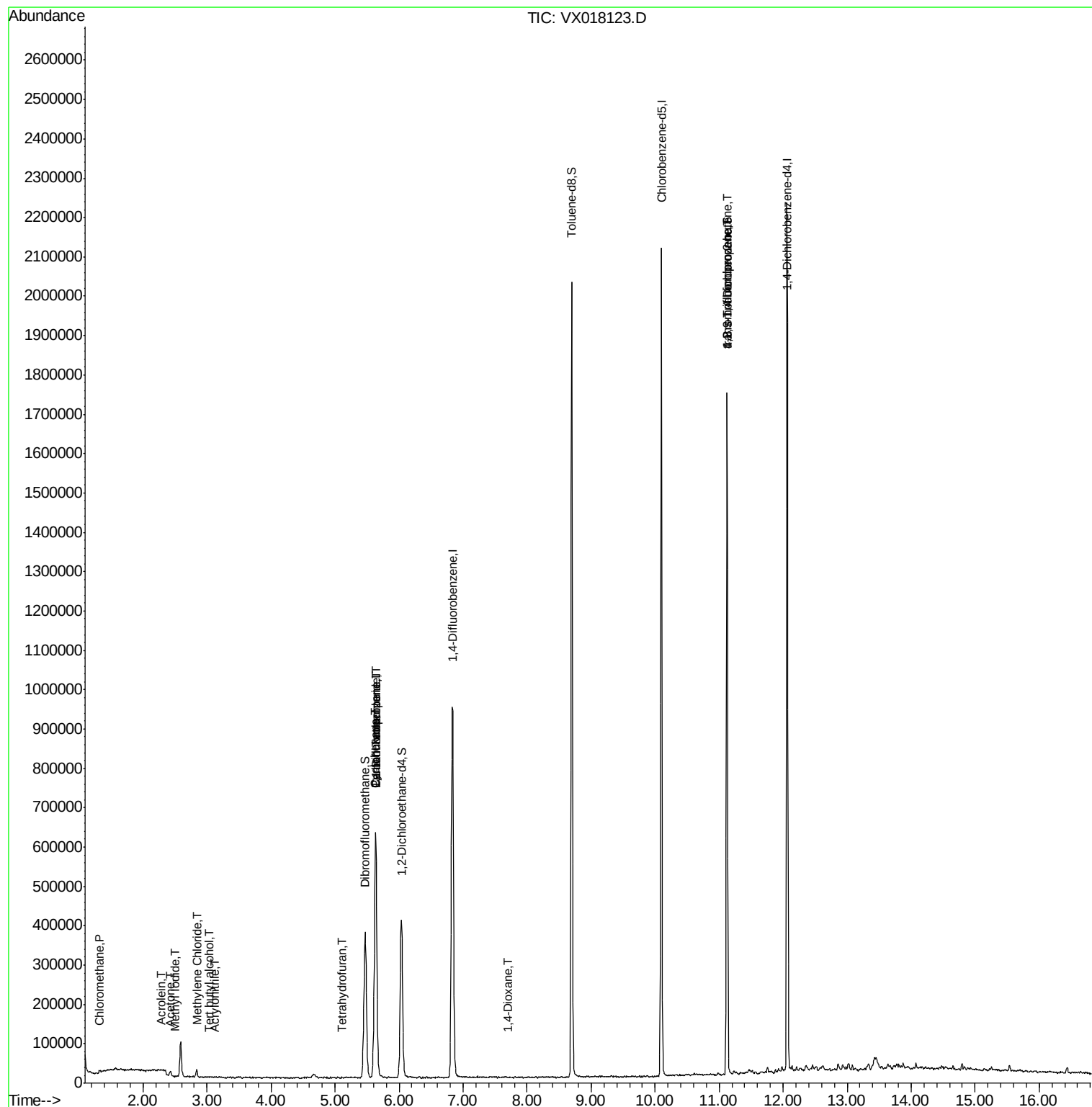
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3103	0.418	ug/l #	79
10) Methyl Iodide	2.51	142	383	5.345	ug/l #	66
11) Tert butyl alcohol	3.03	59	644	0.412	ug/l #	84
13) Acrolein	2.28	56	389	0.600	ug/l #	67
15) Acrylonitrile	3.12	53	793	0.224	ug/l #	57
16) Acetone	2.42	43	13339	4.260	ug/l	96
20) Methylene Chloride	2.84	84	9484	0.321	ug/l	91
29) Tetrahydrofuran	5.10	42	670	0.205	ug/l #	86
31) Cyclohexane	5.62	56	13224	1.375	ug/l #	6
36) 1,1-Dichloropropene	5.64	75	46388	5.185	ug/l #	42
38) Carbon Tetrachloride	5.64	117	59932	5.945	ug/l #	17
49) 1,4-Dioxane	7.70	88	194	1.282	ug/l #	49
76) 1,2,3-Trichloropropane	11.12	75	229554	23.083	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	229554	62.344	ug/l #	12

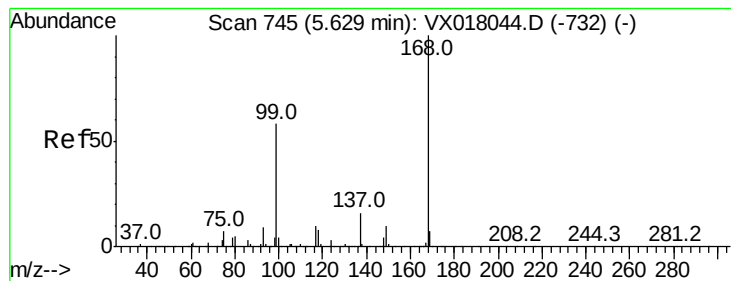
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018123.D

Acq: 28 Aug 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

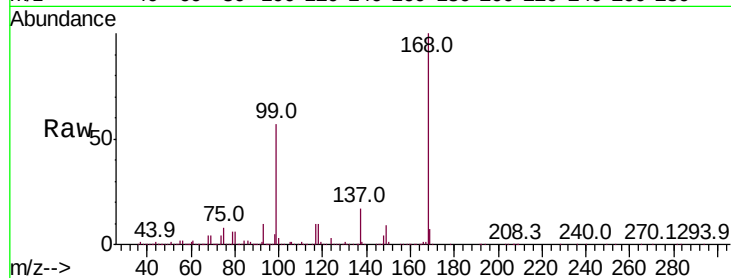
I.BLK

Tot Ion:168 Resp: 578878

Ion Ratio Lower Upper

168 100

99 57.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

50000

0

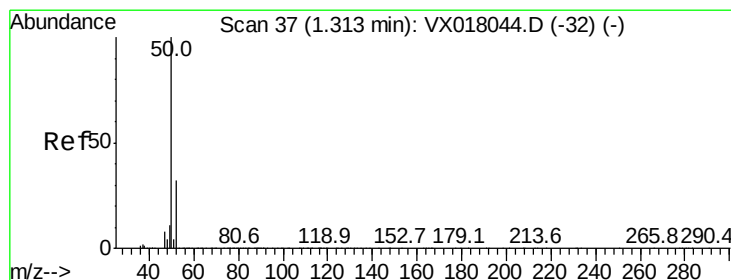
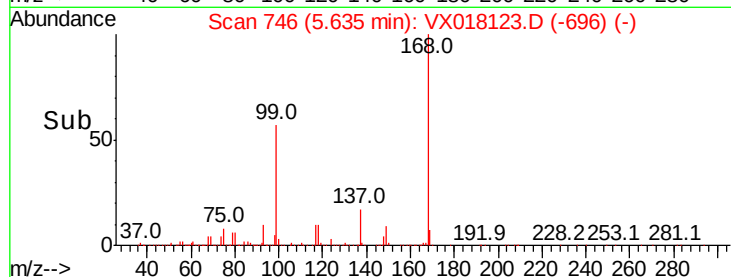
5.50

5.60

5.70

5.80

Time-->



#3

Chloromethane

Concen: 0.418 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018123.D

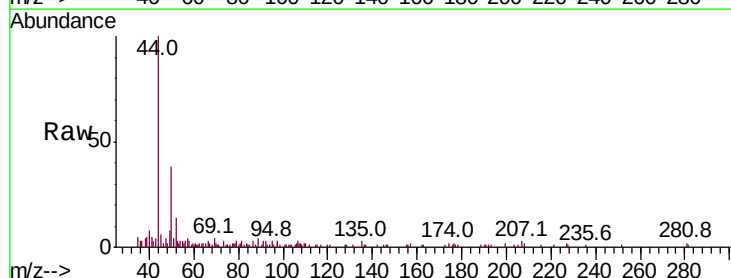
Acq: 28 Aug 2020 16:16

Tgt Ion: 50 Resp: 3103

Ion Ratio Lower Upper

50 100

52 43.3 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

3000

2000

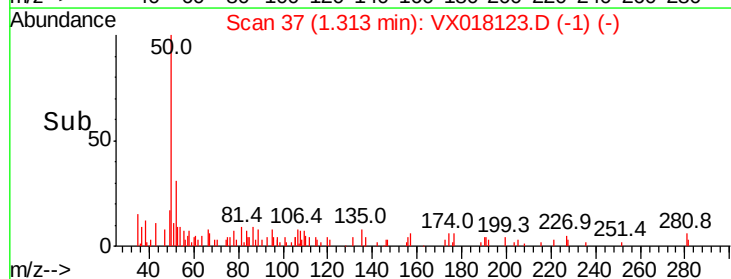
1000

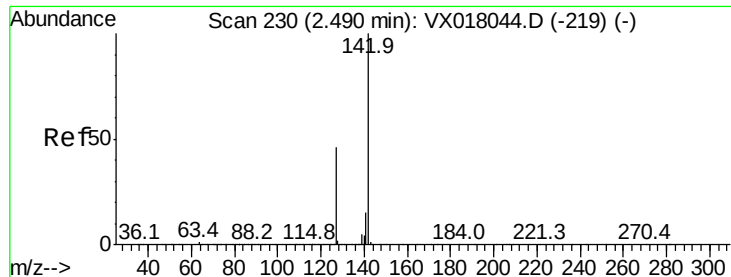
0

1.30

1.35

Time-->

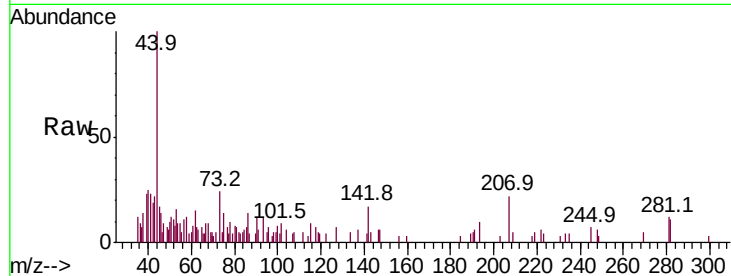




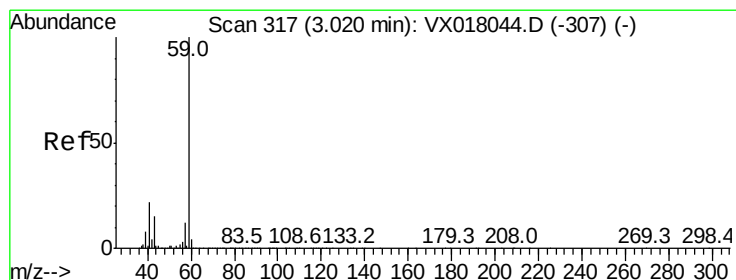
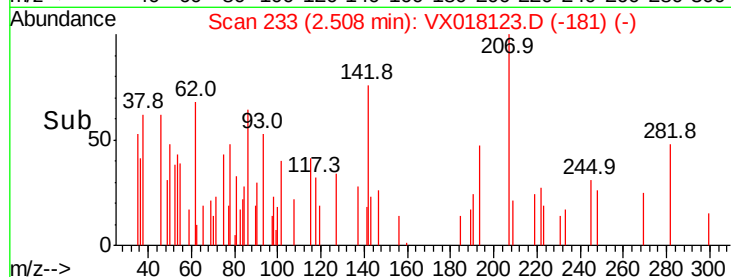
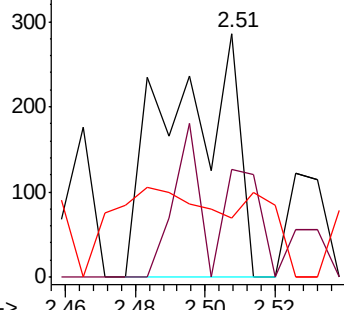
#10
Methyl Iodide
Concen: 5.345 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX018123.D
Acq: 28 Aug 2020 16:16

Instrument :
MSVOA_X
ClientSampled :
I.BLK

Tot Ion:142 Resp: 383
Ion Ratio Lower Upper
142 100
127 23.8 37.0 55.6#
141 0.0 11.5 17.3#

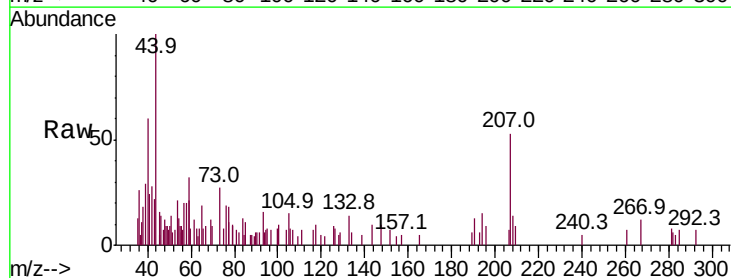


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

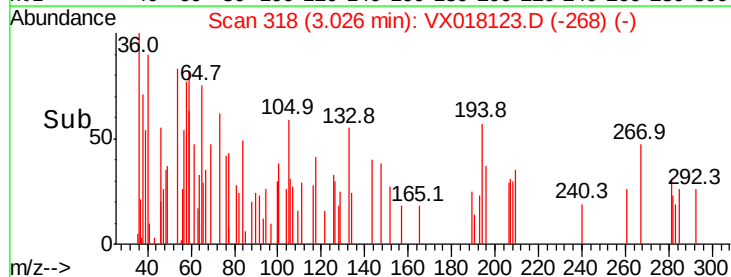
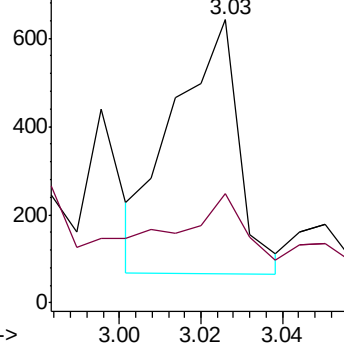


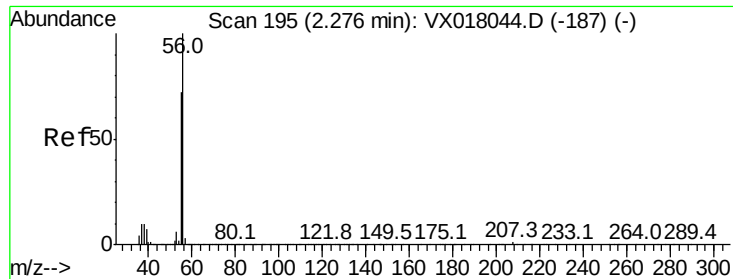
#11
Tert butyl alcohol
Concen: 0.412 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX018123.D
Acq: 28 Aug 2020 16:16

Tgt Ion: 59 Resp: 644
Ion Ratio Lower Upper
59 100
57 17.1 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

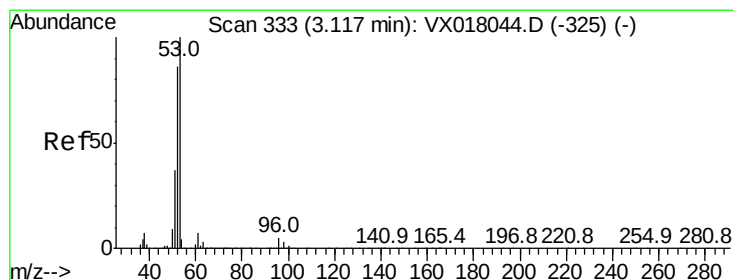
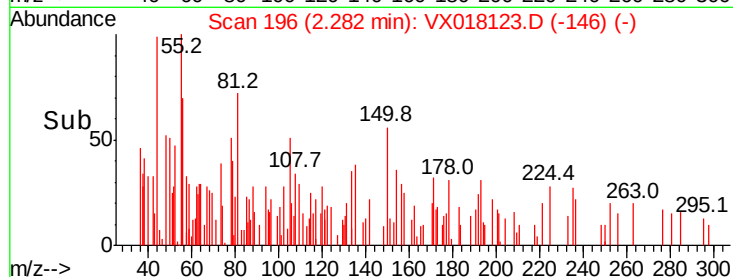
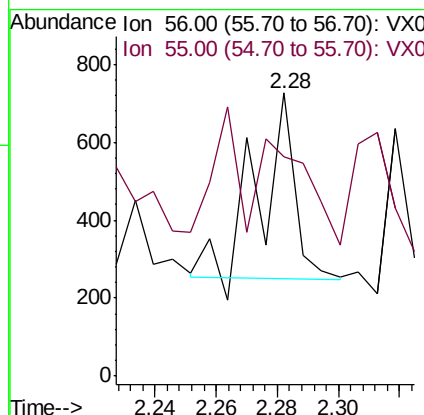
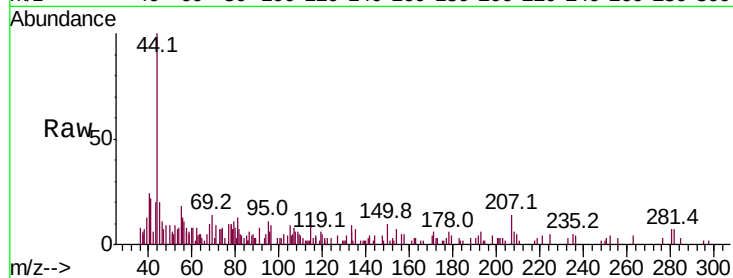




#13
Acrolein
Concen: 0.600 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX018123.D
Acq: 28 Aug 2020 16:16

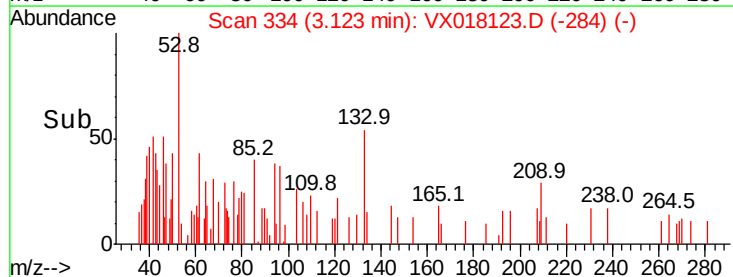
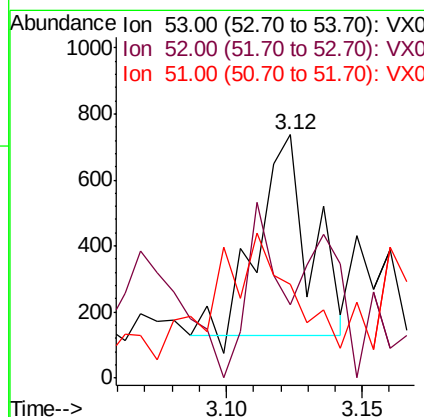
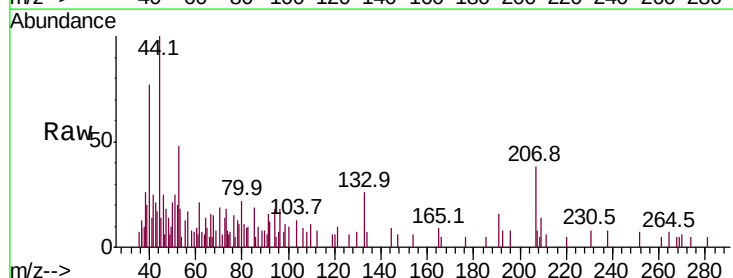
Instrument :
MSVOA_X
ClientSampled :
I.BLK

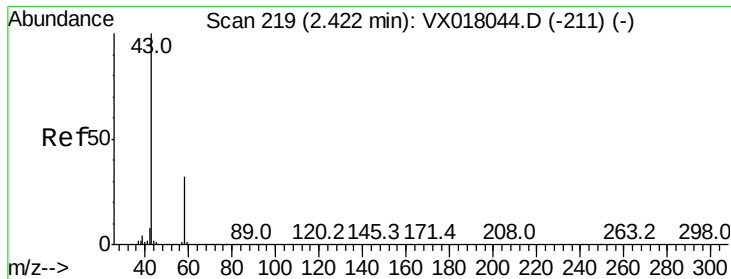
Tot Ion: 56 Resp: 389
Ion Ratio Lower Upper
56 100
55 44.0 57.0 85.6#



#15
Acrylonitrile
Concen: 0.224 ug/l
RT: 3.12 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX018123.D
Acq: 28 Aug 2020 16:16

Tgt Ion: 53 Resp: 793
Ion Ratio Lower Upper
53 100
52 51.8 66.9 100.3#
51 0.0 28.7 43.1#





#16

Acetone

Concen: 4.260 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018123.D

Acq: 28 Aug 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

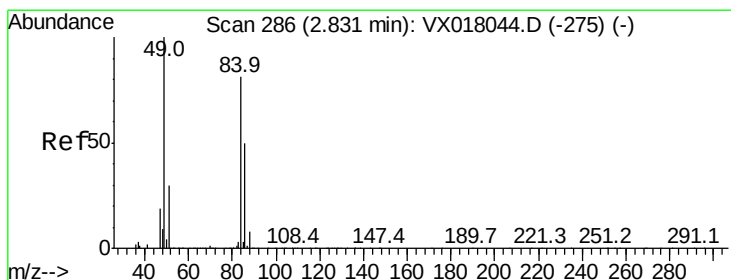
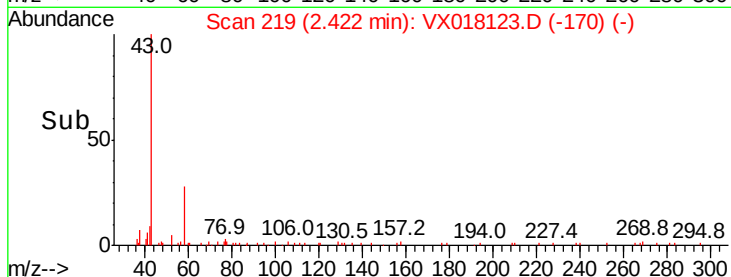
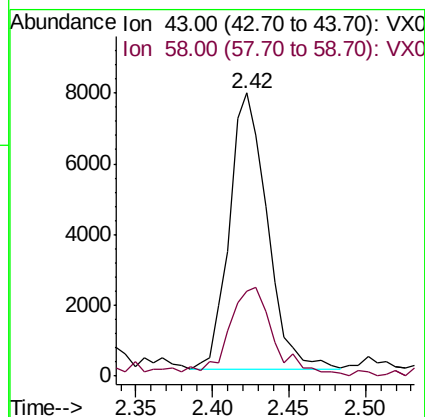
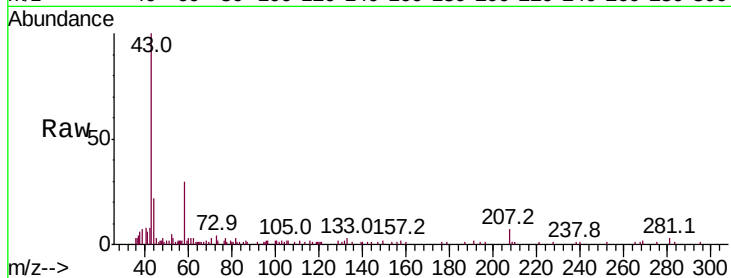
I.BLK

Tot Ion: 43 Resp: 13339

Ion Ratio Lower Upper

43 100

58 29.7 25.5 38.3



#20

Methylene Chloride

Concen: 0.321 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018123.D

Acq: 28 Aug 2020 16:16

Tgt Ion: 84 Resp: 9484

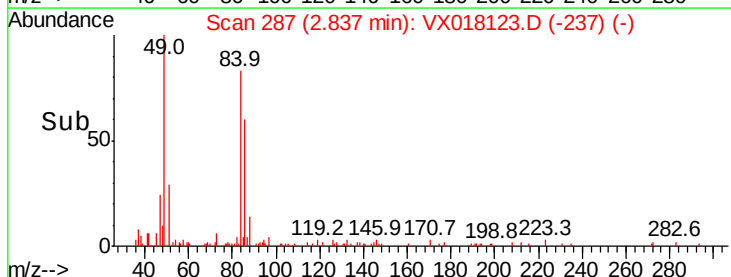
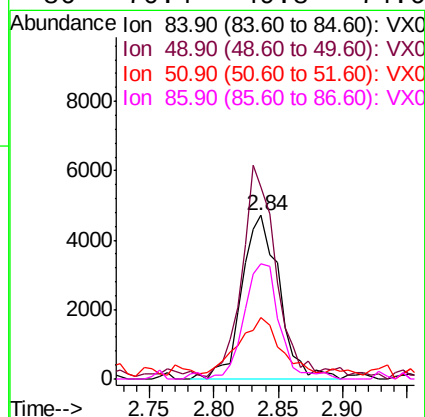
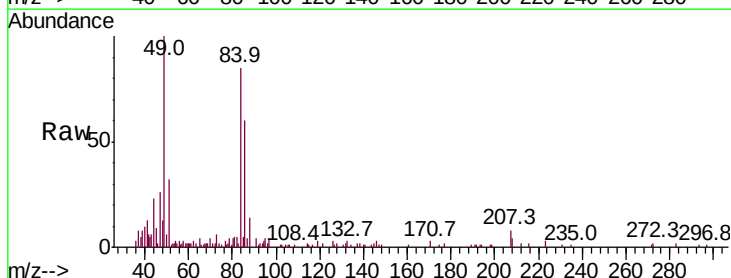
Ion Ratio Lower Upper

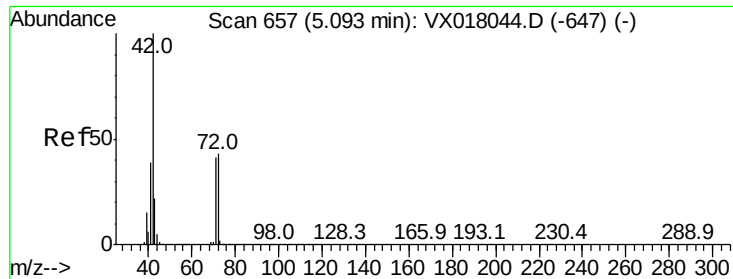
84 100

49 112.6 98.6 148.0

51 32.7 29.6 44.4

86 70.4 49.8 74.6

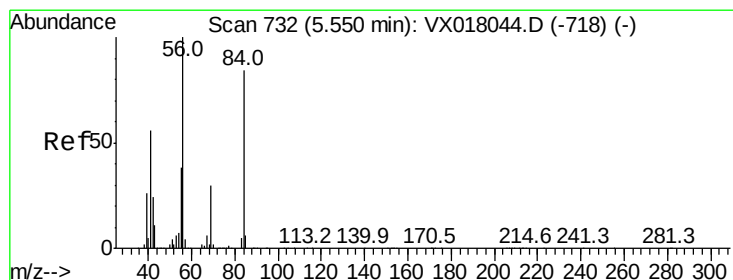
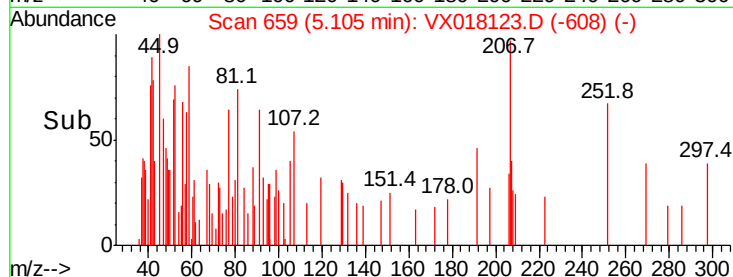
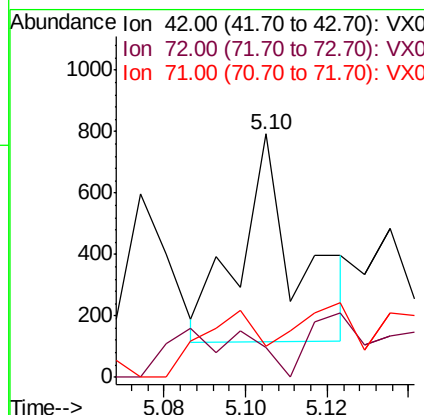
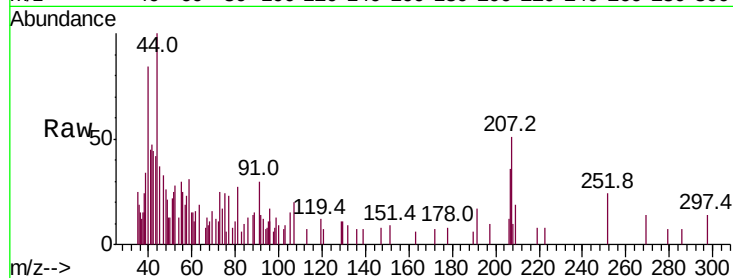




#29
Tetrahydrofuran
Concen: 0.205 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX018123.D
Acq: 28 Aug 2020 16:16

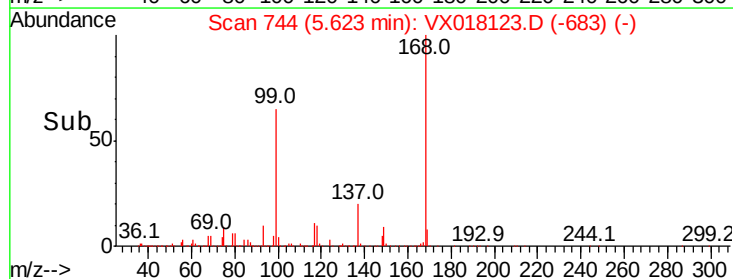
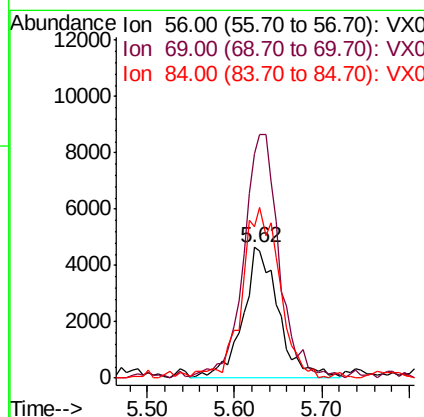
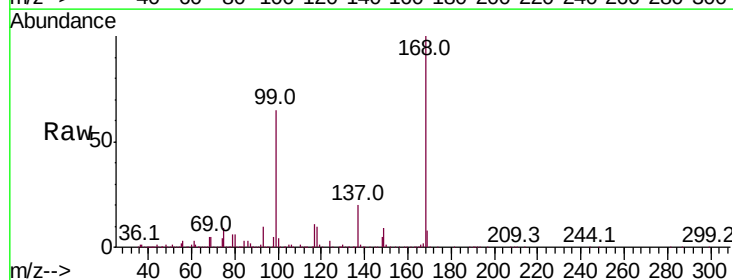
Instrument :
MSVOA_X
ClientSampled :
I.BLK

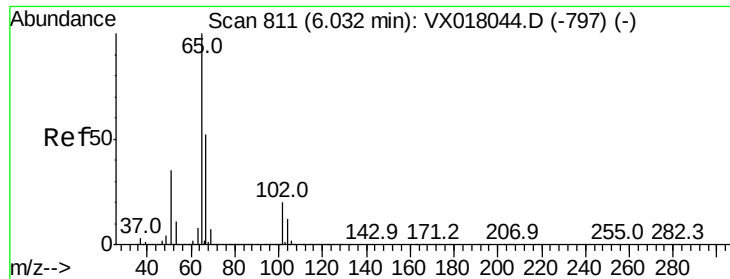
Tot Ion: 42 Resp: 670
Ion Ratio Lower Upper
42 100
72 32.4 34.2 51.4#
71 32.4 32.1 48.1



#31
Cyclohexane
Concen: 1.375 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX018123.D
Acq: 28 Aug 2020 16:16

Tgt Ion: 56 Resp: 13224
Ion Ratio Lower Upper
56 100
69 171.0 23.9 35.9#
84 114.5 67.0 100.4#

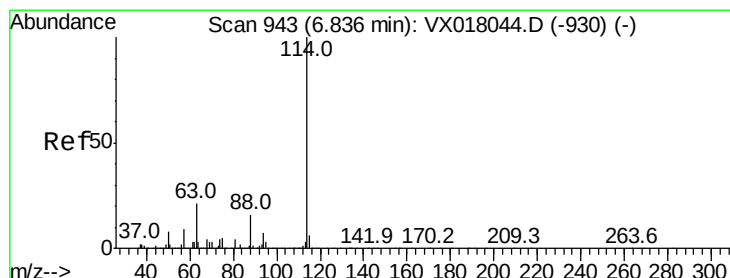
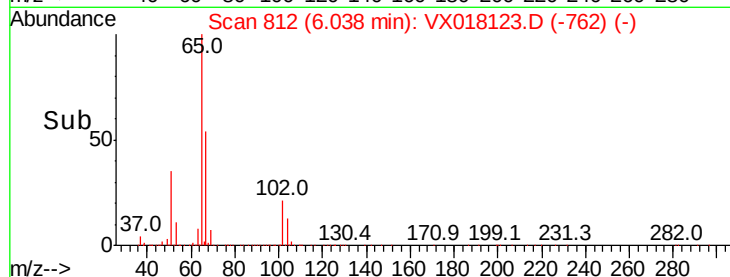
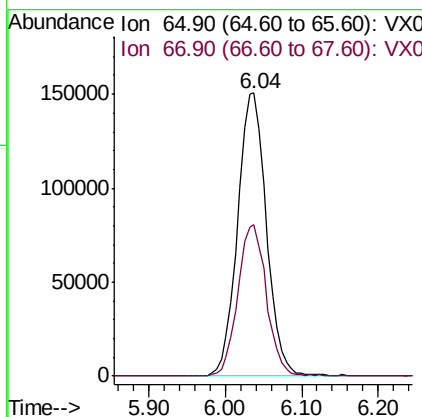
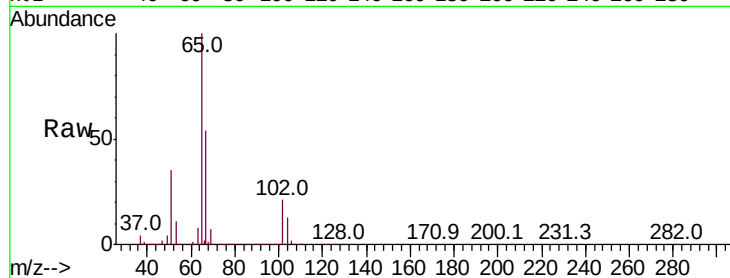




#33
 1,2-Dichloroethane-d4
 Concen: 49.045 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX018123.D
 Acq: 28 Aug 2020 16:16

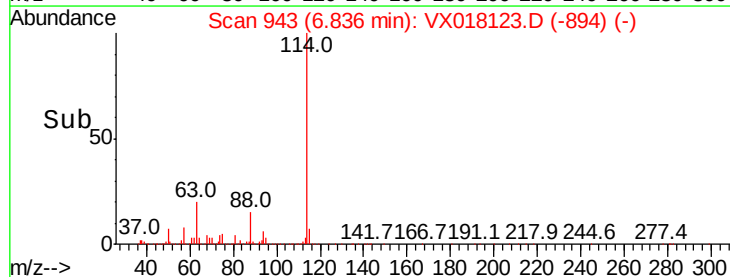
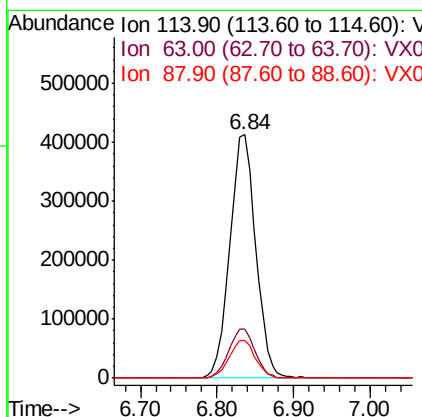
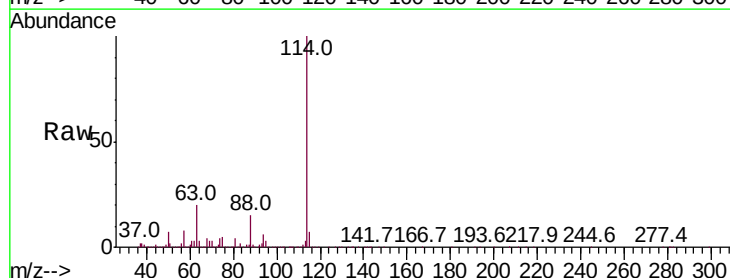
Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

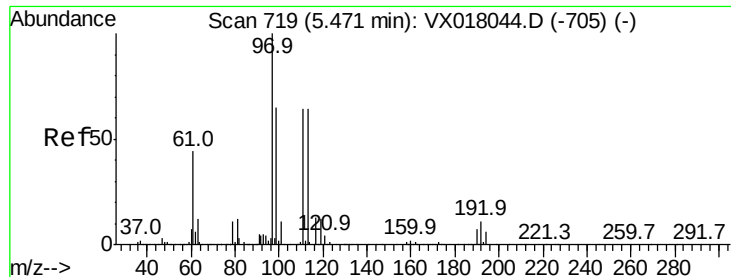
Tot Ion: 65 Resp: 394144
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018123.D
 Acq: 28 Aug 2020 16:16

Tgt Ion: 114 Resp: 969931
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.6
 88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.268 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018123.D

Acq: 28 Aug 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

I.BLK

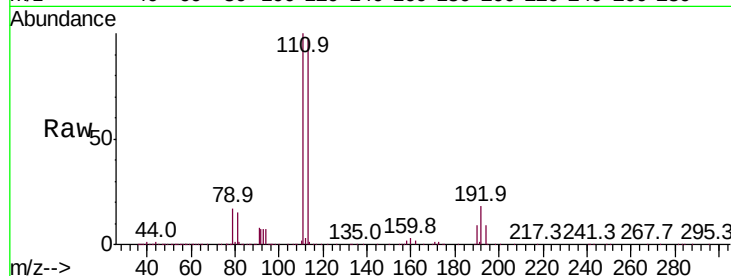
Tot Ion:113 Resp: 325450

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

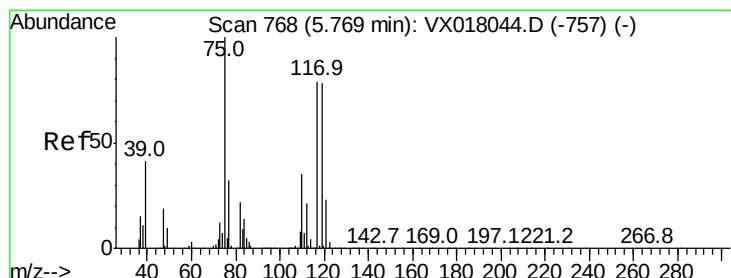
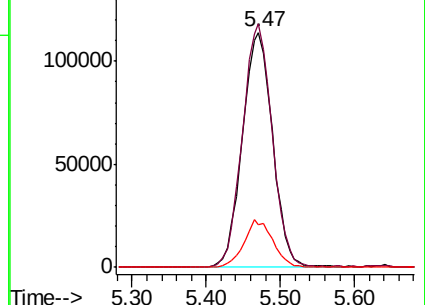
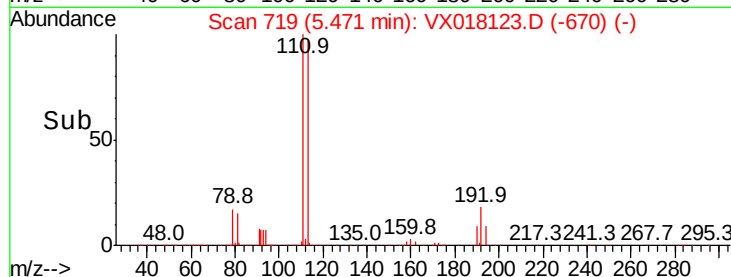
192 19.6 15.8 23.8



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: 5.185 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX018123.D

Acq: 28 Aug 2020 16:16

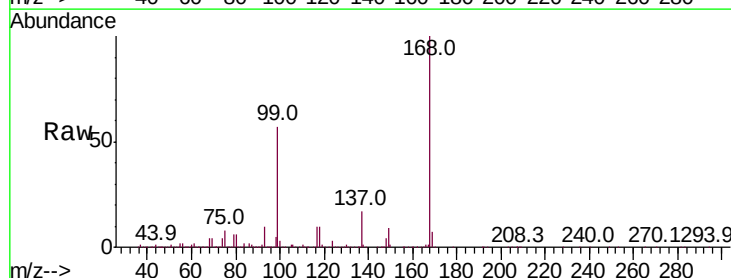
Tgt Ion: 75 Resp: 46388

Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

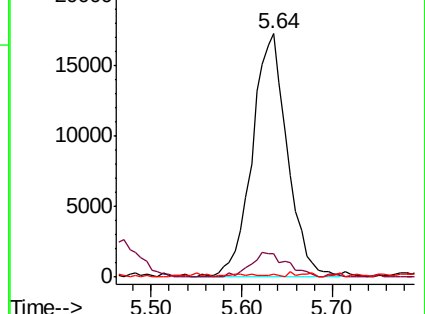
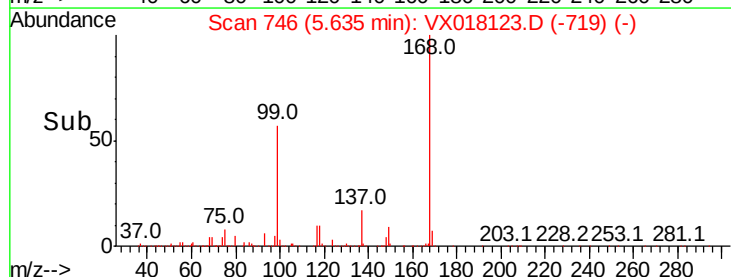
77 0.5 24.4 36.6#

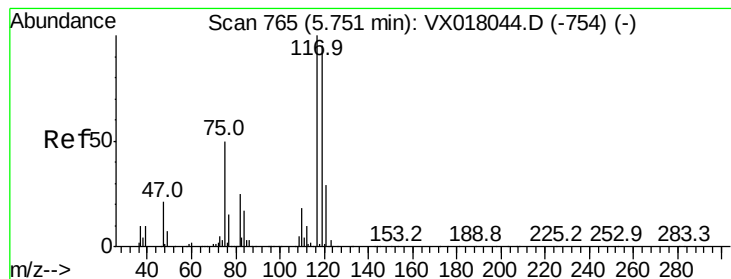


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.945 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018123.D

Acq: 28 Aug 2020 16:16

Instrument :

MSVOA_X

ClientSampled :

I.BLK

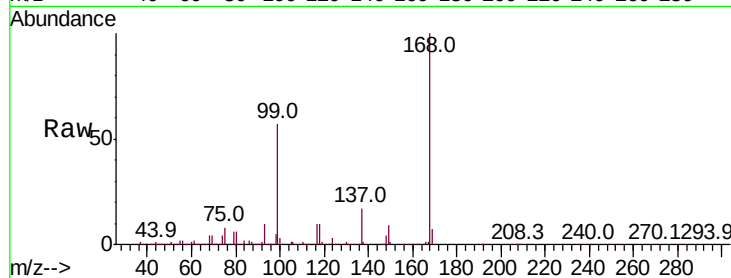
Tot Ion:117 Resp: 59932

Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.6#

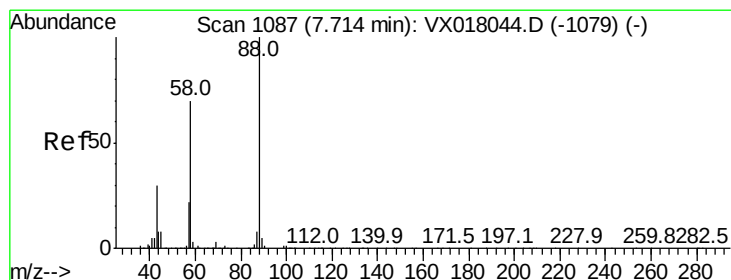
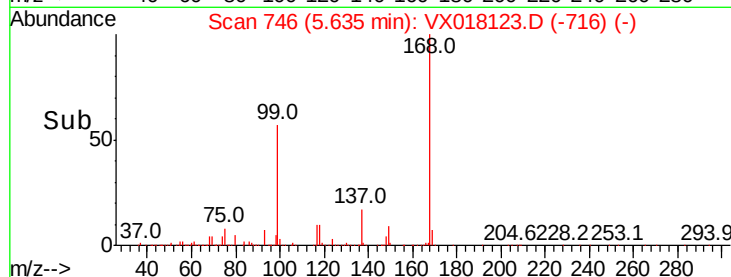
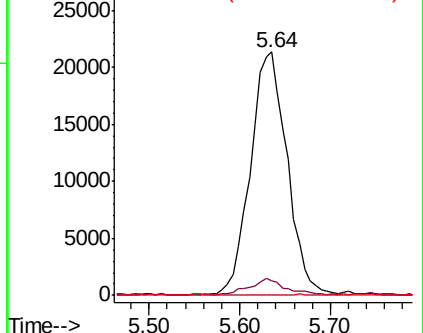
121 0.0 23.4 35.0#



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: 1.282 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018123.D

Acq: 28 Aug 2020 16:16

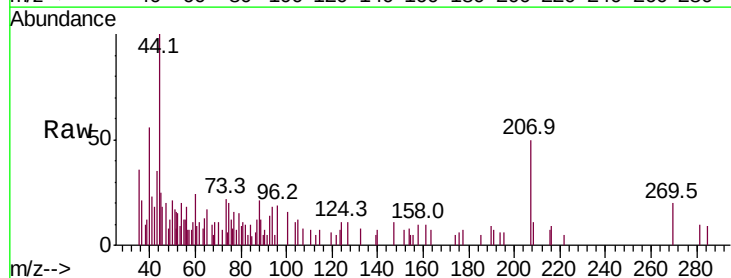
Tgt Ion: 88 Resp: 194

Ion Ratio Lower Upper

88 100

43 88.7 27.4 41.0#

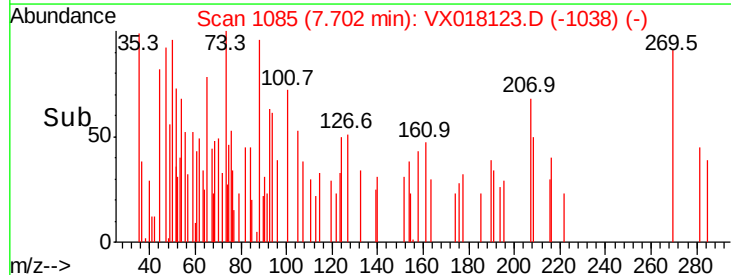
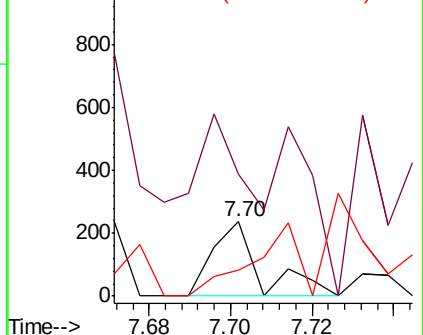
58 94.8 56.4 84.6#

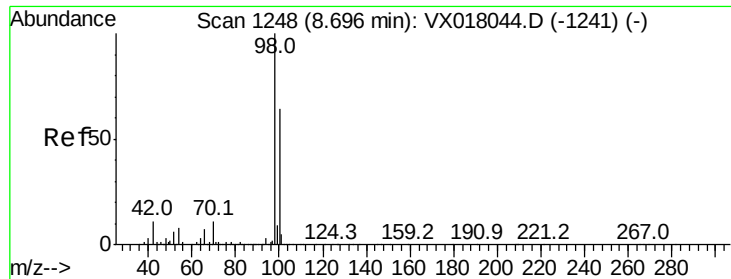


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.203 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018123.D

Acq: 28 Aug 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

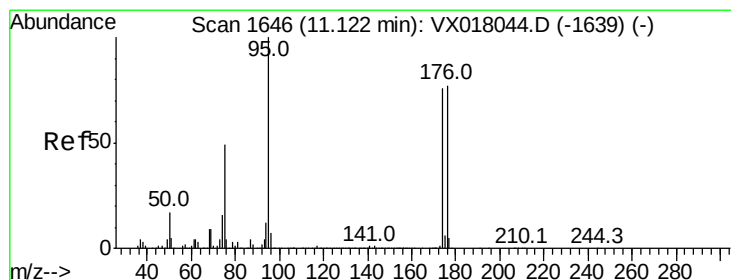
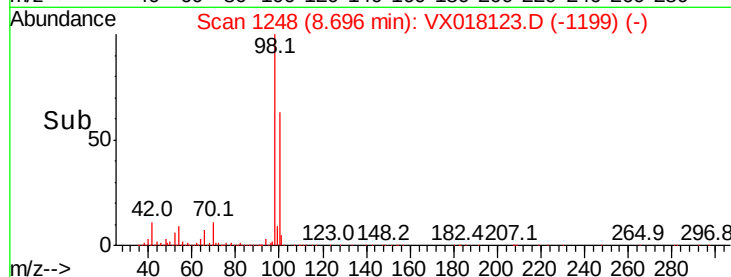
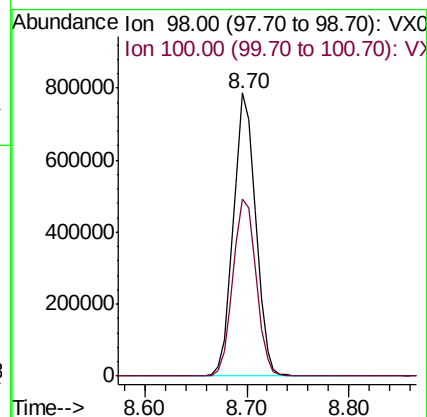
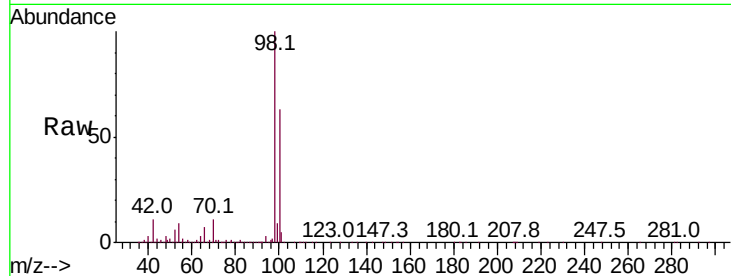
I.BLK

Tot Ion: 98 Resp: 1185962

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 47.181 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018123.D

Acq: 28 Aug 2020 16:16

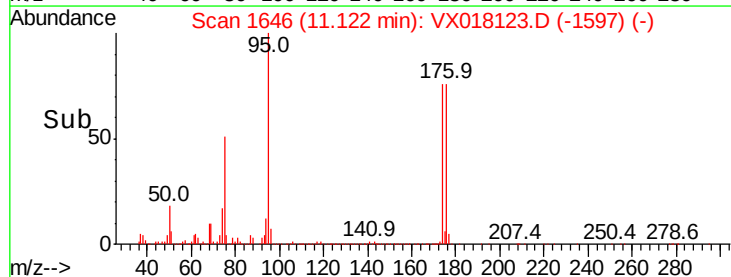
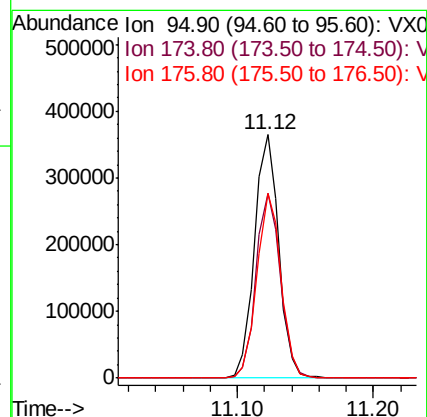
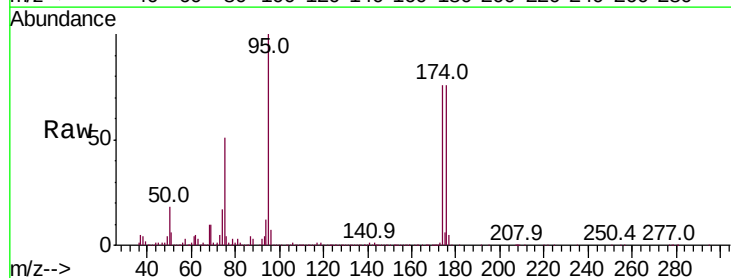
Tgt Ion: 95 Resp: 456709

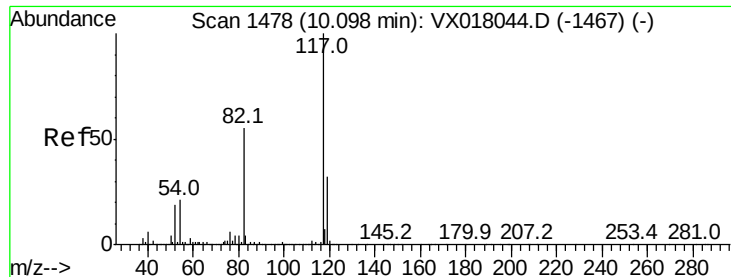
Ion Ratio Lower Upper

95 100

174 77.2 0.0 160.2

176 76.2 0.0 155.8

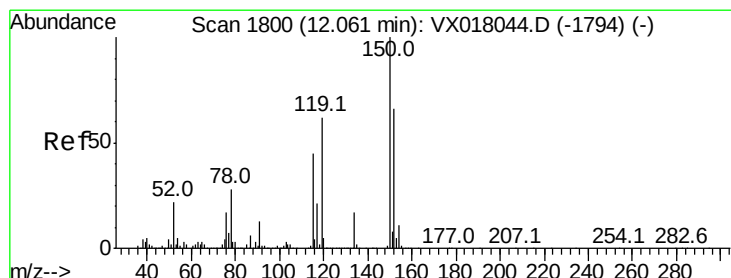
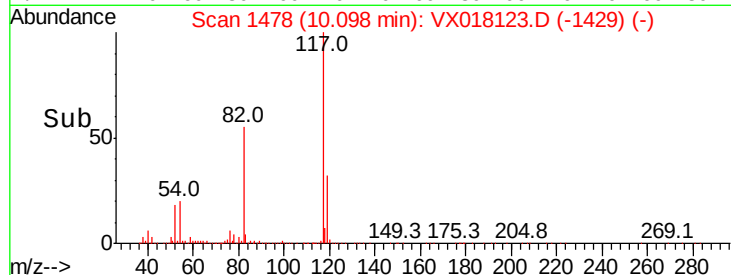
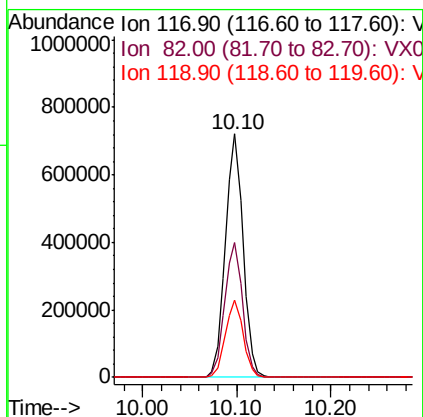
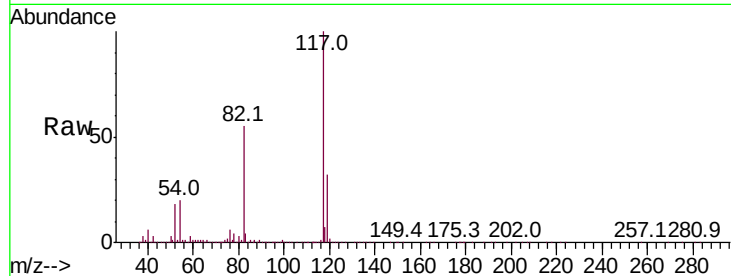




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018123.D
Acq: 28 Aug 2020 16:16

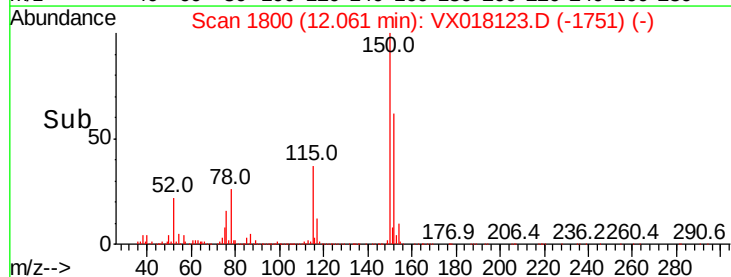
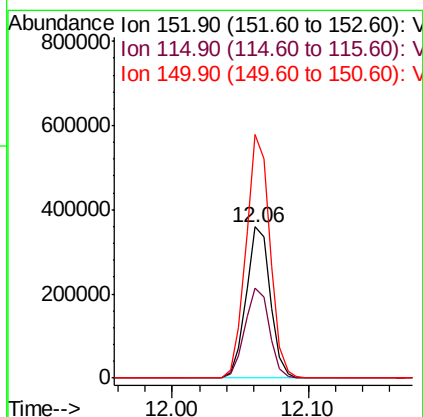
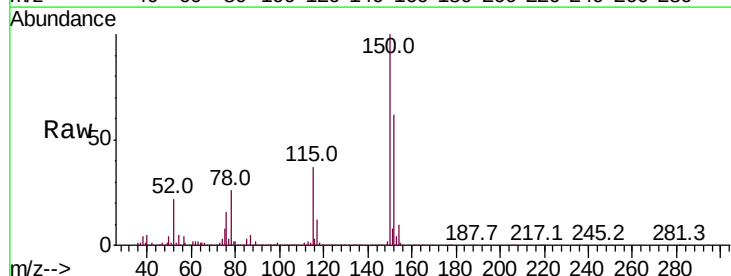
Instrument :
MSVOA_X
ClientSampled :
I.BLK

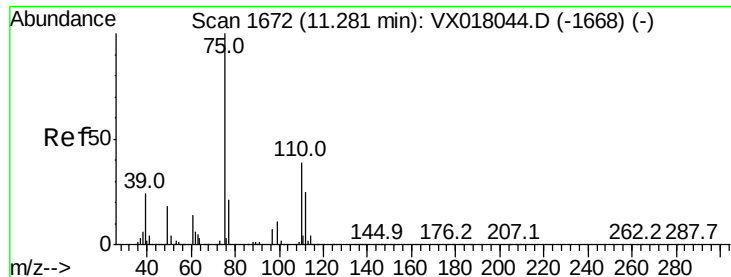
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.2	66.2
119	31.6	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018123.D
Acq: 28 Aug 2020 16:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	41.5	124.5
150	159.9	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.083 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018123.D

Acq: 28 Aug 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

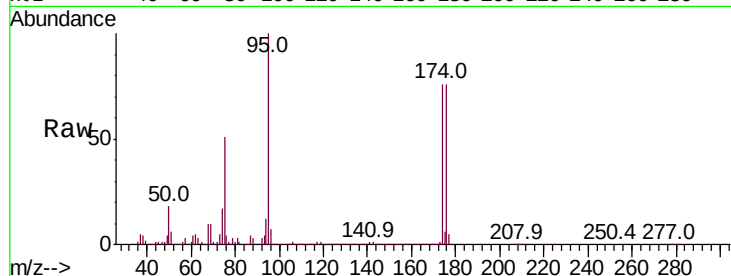
I.BLK

Tot Ion: 75 Resp: 229554

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

200000

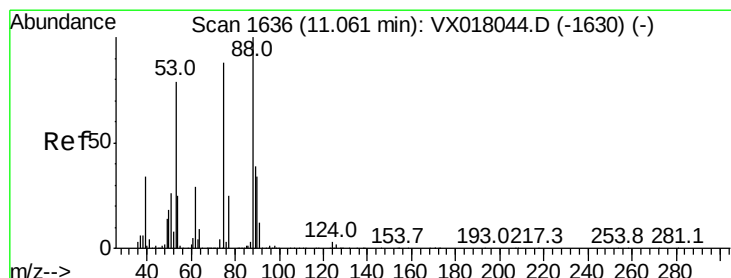
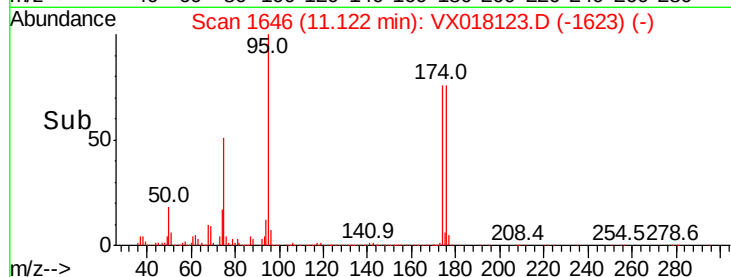
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 62.344 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018123.D

Acq: 28 Aug 2020 16:16

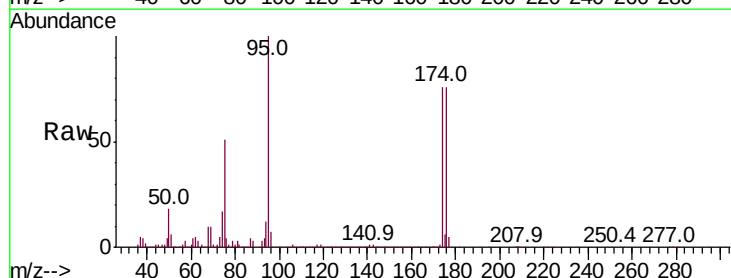
Tgt Ion: 75 Resp: 229554

Ion Ratio Lower Upper

75 100

53 0.2 74.7 112.1#

89 0.0 36.6 54.8#



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

250000

200000

150000

100000

50000

0

Time-->

