

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092520\
 Data File : VX018604.D
 Acq On : 25 Sep 2020 18:32
 Operator : JC/SP
 Sample : L4140-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Sep 28 01:55:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	457597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	718297	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	727436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	365389	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	327158	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
35) Dibromofluoromethane	5.47	113	252222	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
50) Toluene-d8	8.70	98	882003	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.12	95	348833	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	

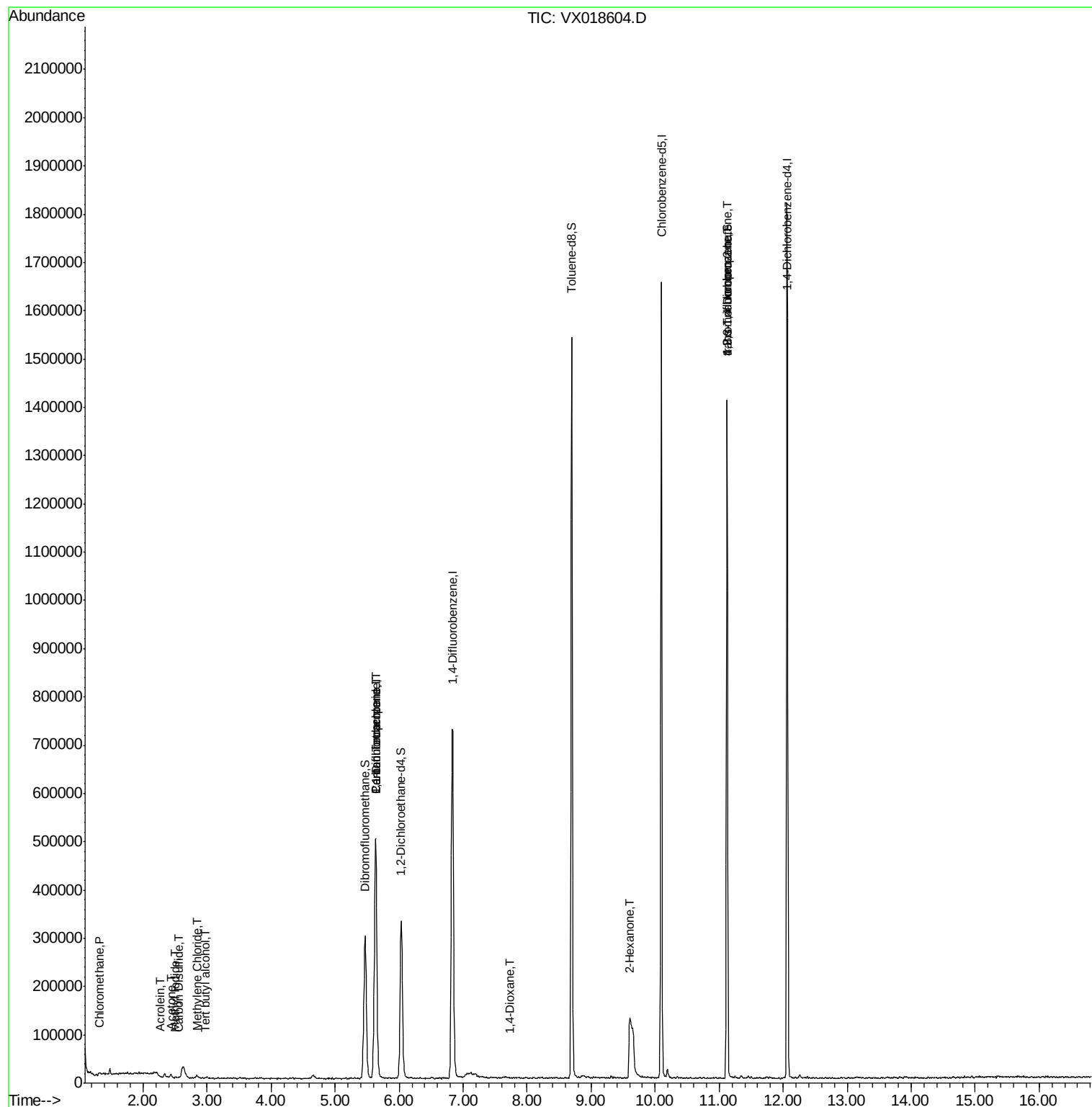
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2236	0.440	ug/l	89
10) Methyl Iodide	2.50	142	741	5.037	ug/l	96
11) Tert butyl alcohol	2.98	59	1848	1.641	ug/l #	72
13) Acrolein	2.27	56	576	0.808	ug/l #	45
16) Acetone	2.43	43	7985	3.225	ug/l	100
17) Carbon Disulfide	2.56	76	2680	0.202	ug/l #	85
20) Methylene Chloride	2.84	84	2482	0.454	ug/l #	84
36) 1,1-Dichloropropene	5.63	75	35640	5.112	ug/l #	52
38) Carbon Tetrachloride	5.63	117	48493	6.280	ug/l #	18
49) 1,4-Dioxane	7.72	88	140	1.409	ug/l #	1
59) 2-Hexanone	9.61	43	50084	8.952	ug/l #	33
76) 1,2,3-Trichloropropane	11.12	75	180191	23.467	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	180191	60.134	ug/l #	12

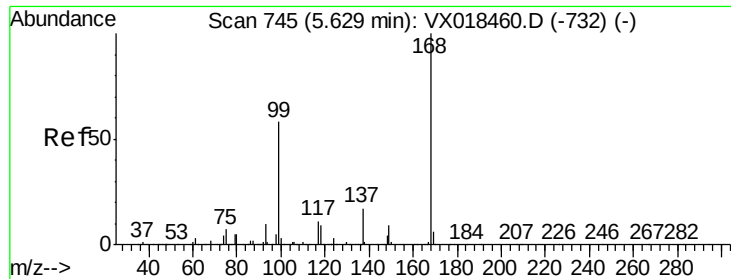
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 28 01:55:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018604.D

Acq: 25 Sep 2020 18:32

Instrument :

MSVOA_X

ClientSampled :

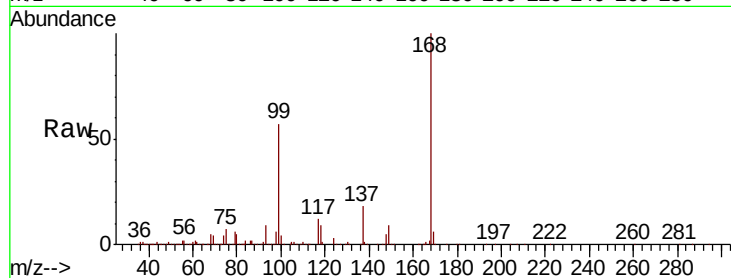
MW-1

Tot Ion:168 Resp: 457597

Ion Ratio Lower Upper

168 100

99 57.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

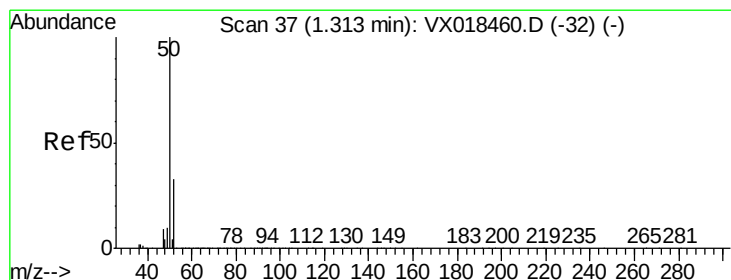
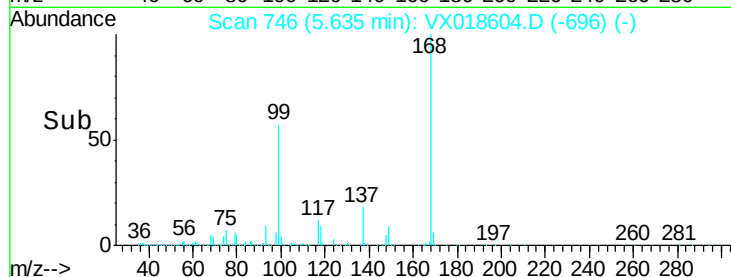
100000

50000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.440 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018604.D

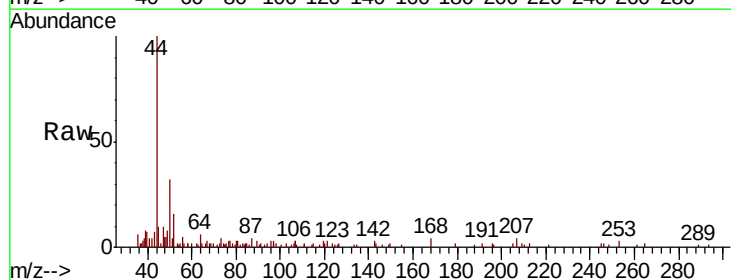
Acq: 25 Sep 2020 18:32

Tgt Ion: 50 Resp: 2236

Ion Ratio Lower Upper

50 100

52 39.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2000

1500

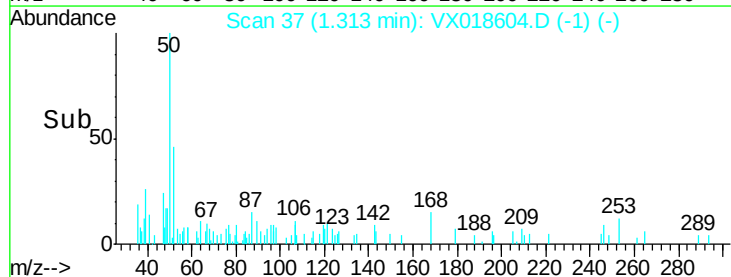
1000

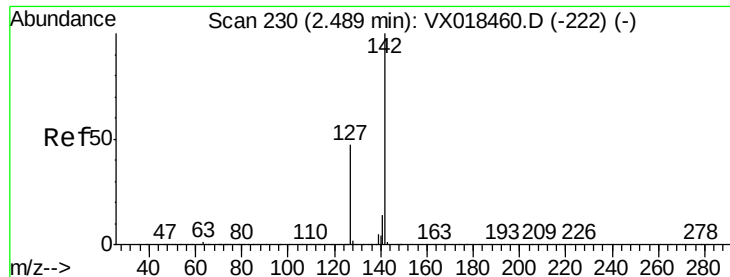
500

0

Time-->

1.25 1.30 1.35

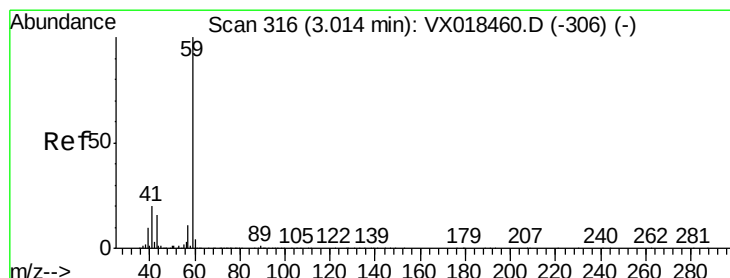
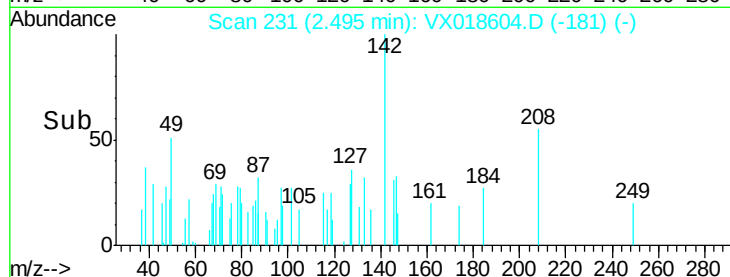
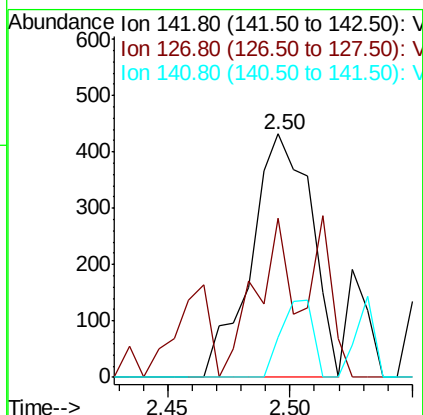
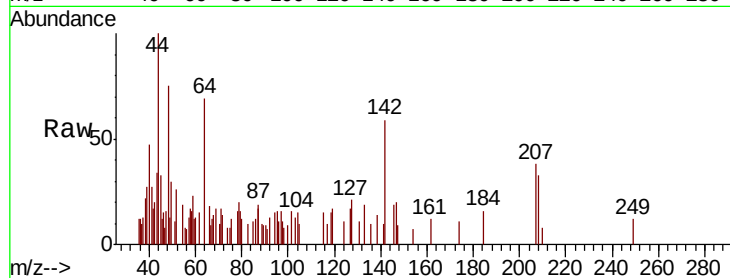




#10
Methyl Iodide
Concen: 5.037 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018604.D
Acq: 25 Sep 2020 18:32

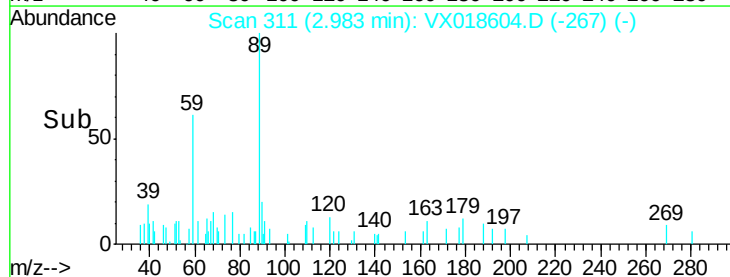
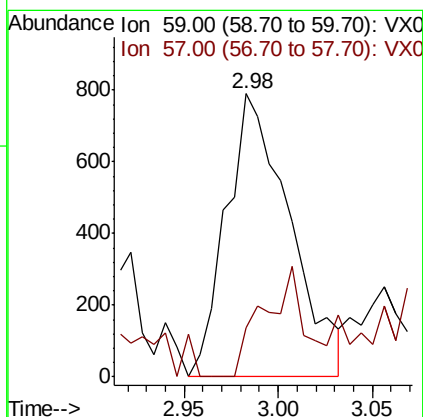
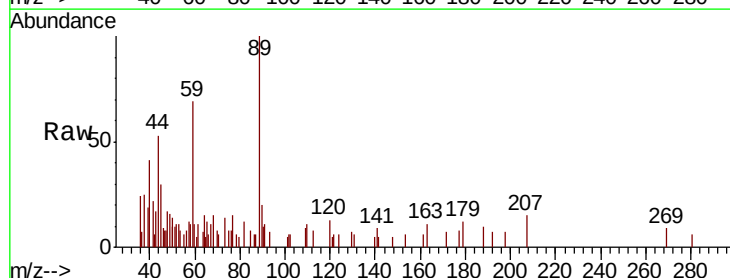
Instrument :
MSVOA_X
ClientSampled :
MW-1

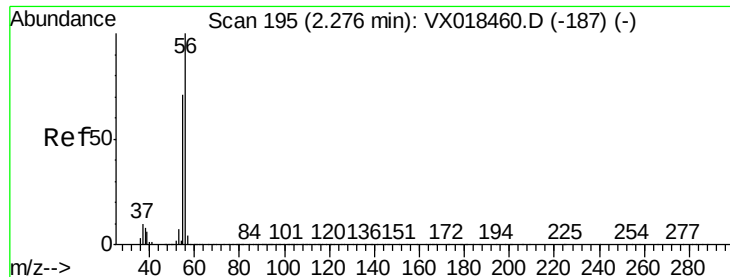
Tot Ion:142 Resp: 741
Ion Ratio Lower Upper
142 100
127 43.0 36.0 54.0
141 17.0 11.9 17.9



#11
Tert butyl alcohol
Concen: 1.641 ug/l
RT: 2.98 min Scan# 311
Delta R.T. -0.03 min
Lab File: VX018604.D
Acq: 25 Sep 2020 18:32

Tgt Ion: 59 Resp: 1848
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.808 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018604.D

Acq: 25 Sep 2020 18:32

Instrument :

MSVOA_X

ClientSampled :

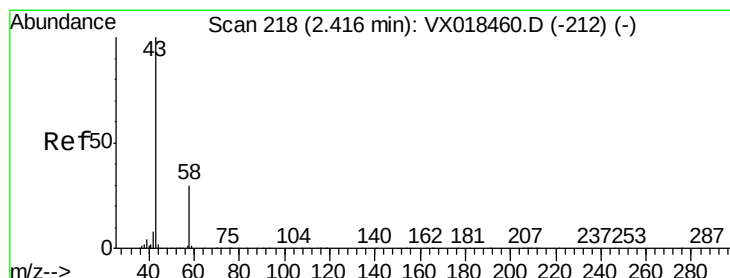
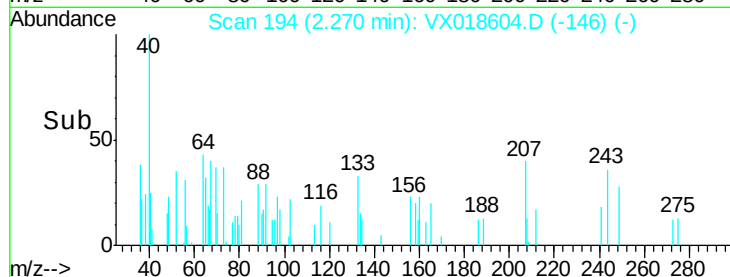
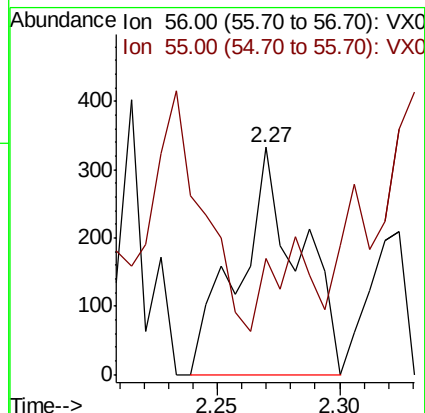
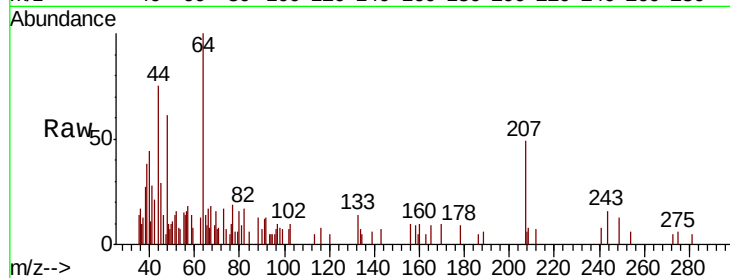
MW-1

Tot Ion: 56 Resp: 576

Ion Ratio Lower Upper

56 100

55 26.7 58.2 87.4#



#16

Acetone

Concen: 3.225 ug/l

RT: 2.43 min Scan# 221

Delta R.T. 0.02 min

Lab File: VX018604.D

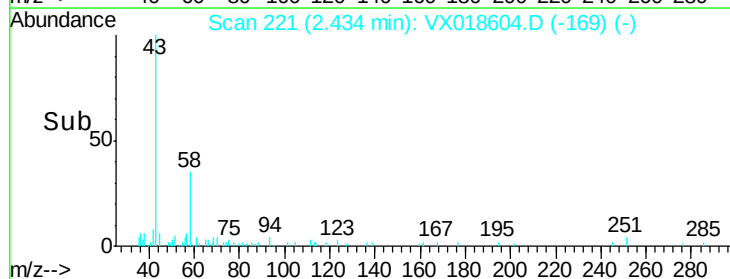
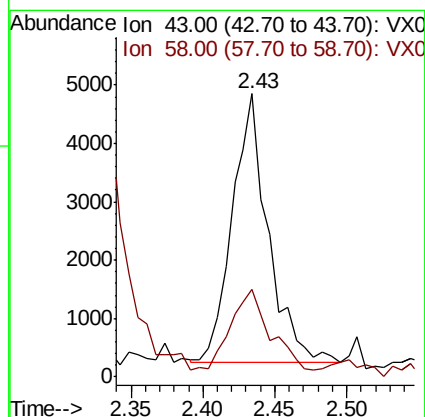
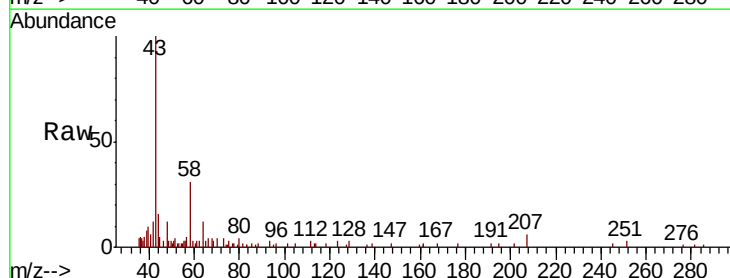
Acq: 25 Sep 2020 18:32

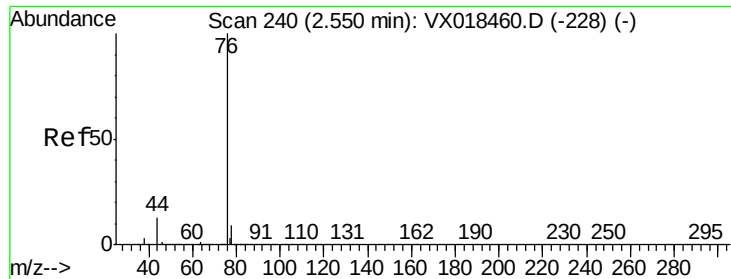
Tgt Ion: 43 Resp: 7985

Ion Ratio Lower Upper

43 100

58 30.1 24.0 36.0





#17

Carbon Disulfide

Concen: 0.202 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018604.D

Acq: 25 Sep 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

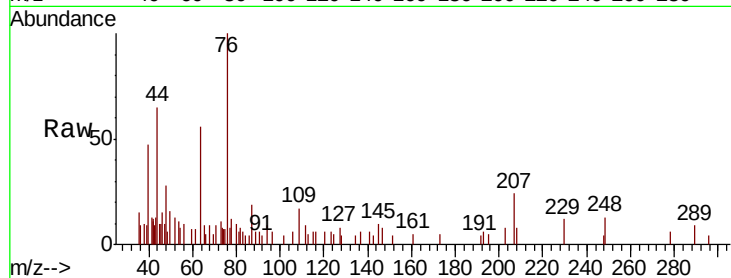
MW-1

Tot Ion: 76 Resp: 2680

Ion Ratio Lower Upper

76 100

78 3.4 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

1500

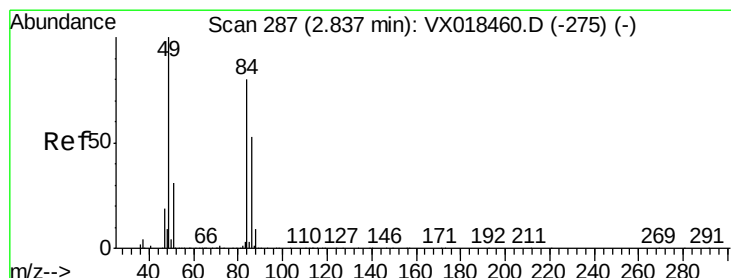
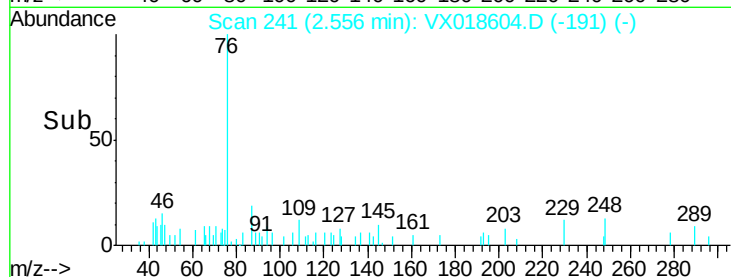
1000

500

0

2.50 2.55 2.60

Time-->



#20

Methylene Chloride

Concen: 0.454 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX018604.D

Acq: 25 Sep 2020 18:32

Tgt Ion: 84 Resp: 2482

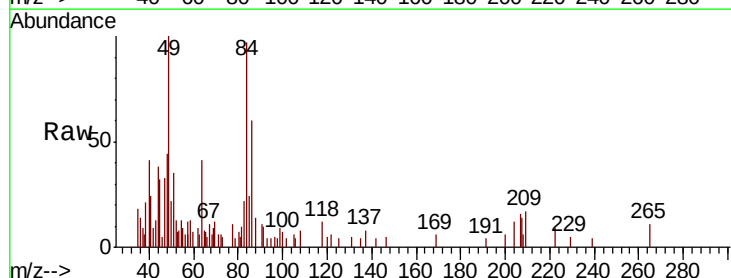
Ion Ratio Lower Upper

84 100

49 102.9 100.6 151.0

51 26.5 30.9 46.3#

86 61.4 53.5 80.3



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

2500

2000

1500

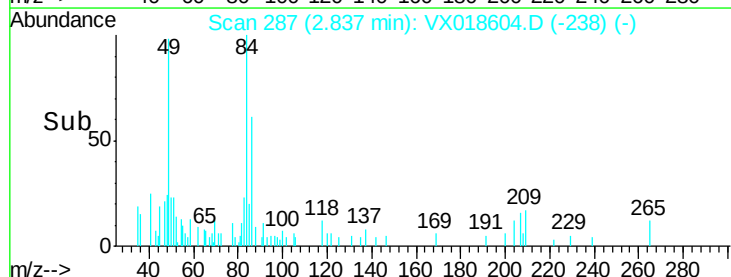
1000

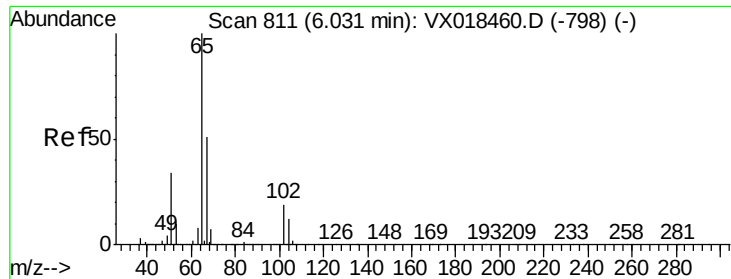
500

0

2.75 2.80 2.85 2.90

Time-->

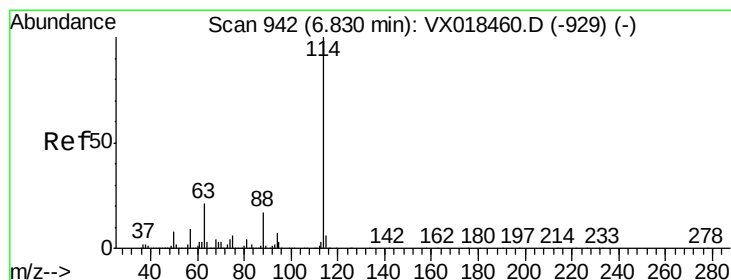
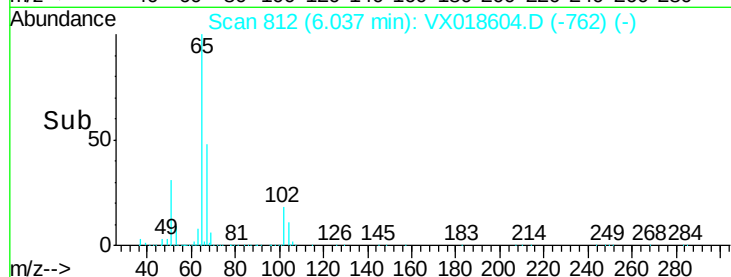
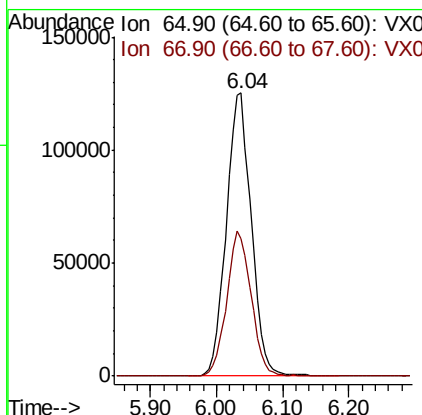
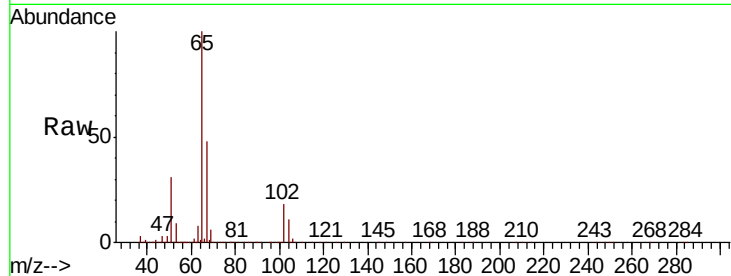




#33
 1,2-Dichloroethane-d4
 Concen: 50.539 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX018604.D
 Acq: 25 Sep 2020 18:32

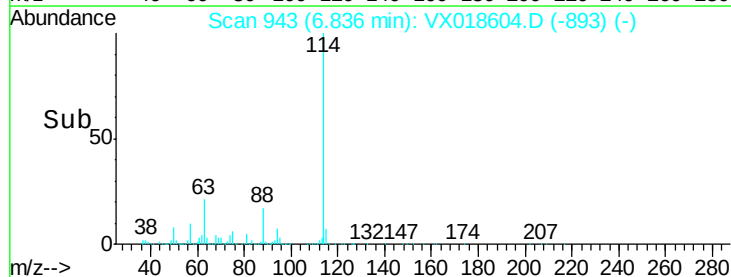
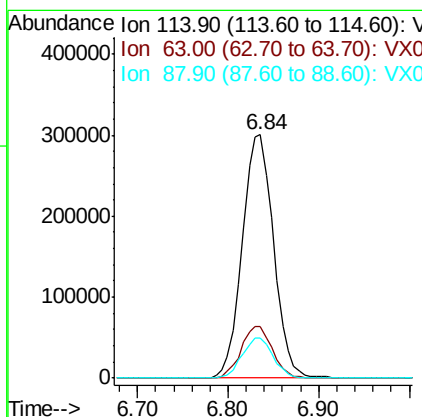
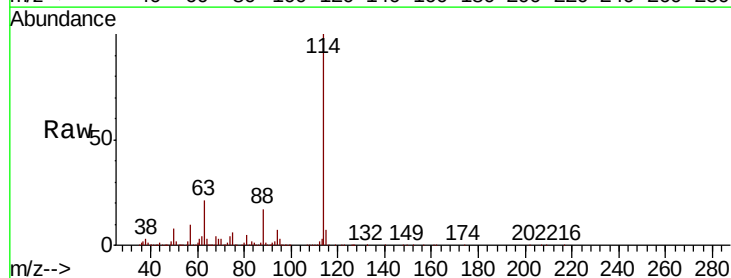
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

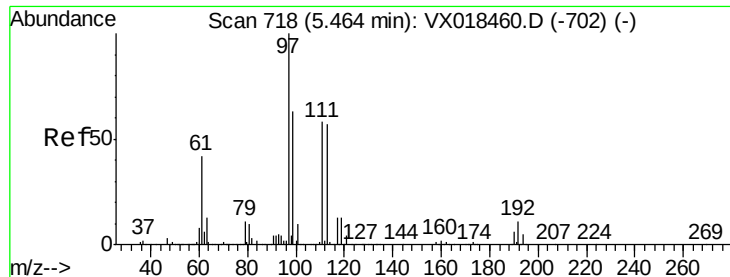
Tot Ion: 65 Resp: 327158
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX018604.D
 Acq: 25 Sep 2020 18:32

Tgt Ion: 114 Resp: 718297
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.8
 88 16.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.793 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018604.D

Acq: 25 Sep 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

MW-1

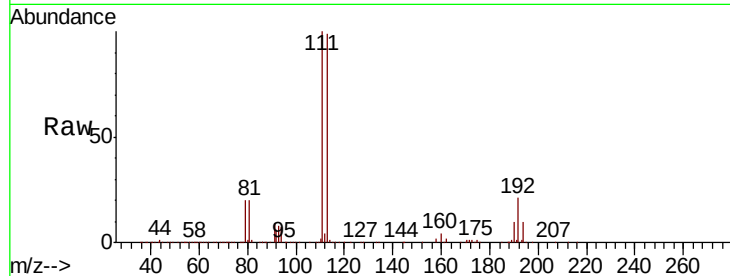
Tot Ion:113 Resp: 252222

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.2

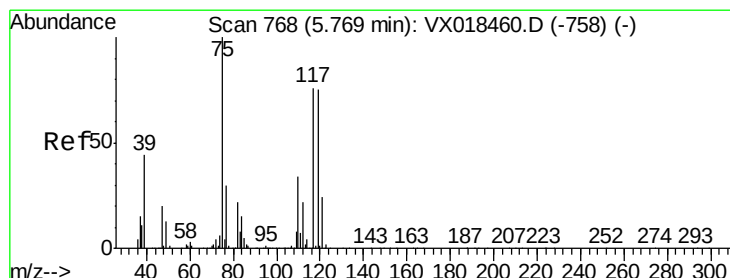
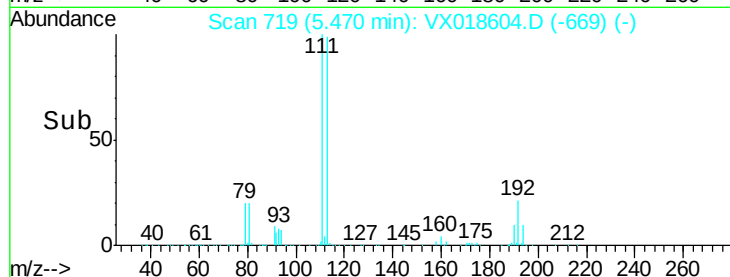
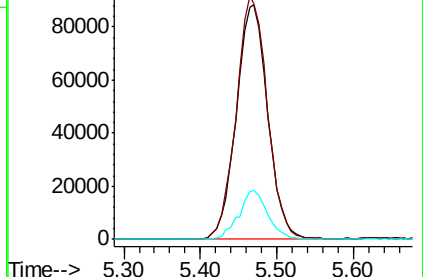
192 19.2 16.6 24.8



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: 5.112 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018604.D

Acq: 25 Sep 2020 18:32

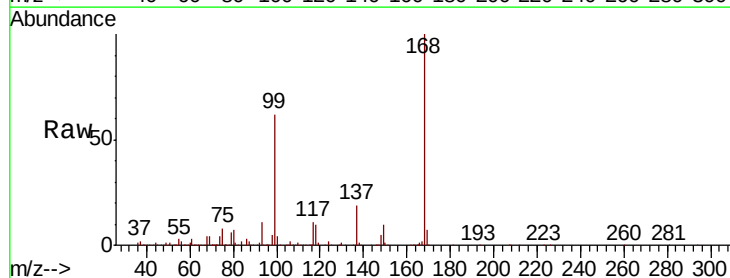
Tgt Ion: 75 Resp: 35640

Ion Ratio Lower Upper

75 100

110 11.2 17.6 52.8#

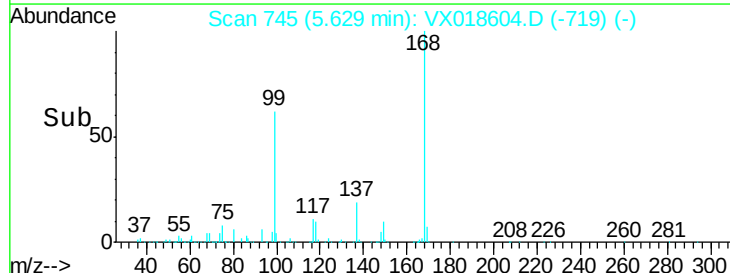
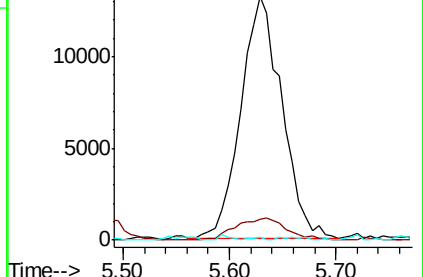
77 0.4 25.0 37.6#

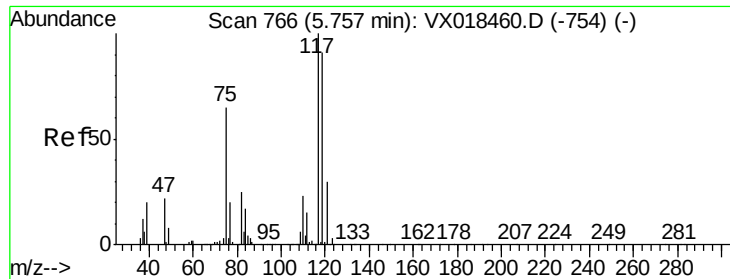


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.280 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018604.D

Acq: 25 Sep 2020 18:32

Instrument :

MSVOA_X

ClientSampled :

MW-1

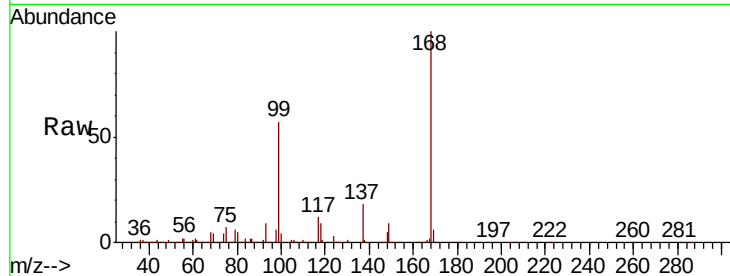
Tot Ion:117 Resp: 48493

Ion Ratio Lower Upper

117 100

119 4.4 72.3 108.5#

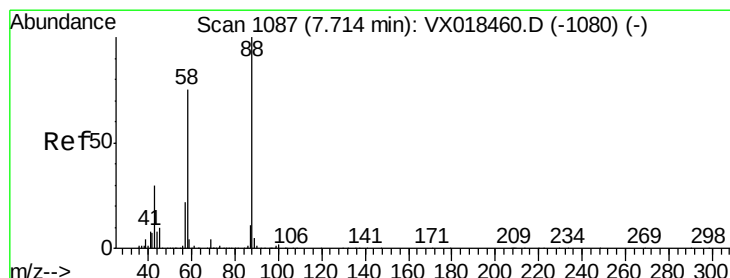
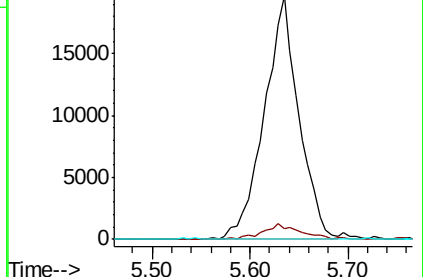
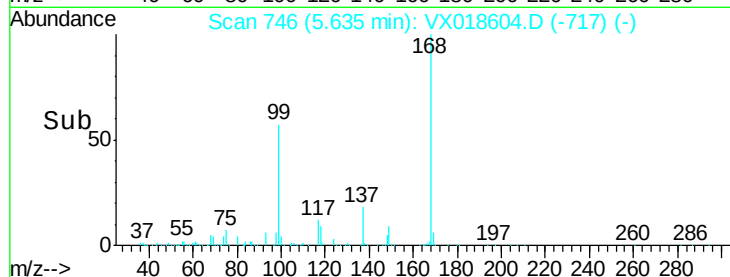
121 0.0 23.8 35.8#



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: 1.409 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018604.D

Acq: 25 Sep 2020 18:32

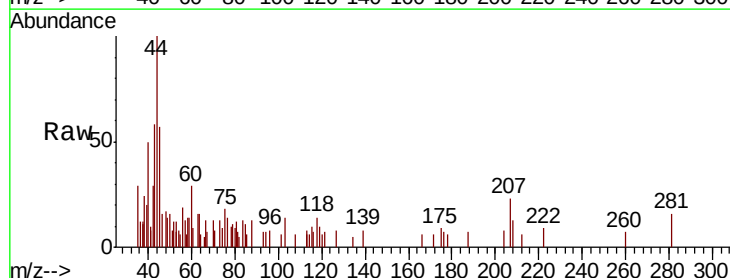
Tgt Ion: 88 Resp: 140

Ion Ratio Lower Upper

88 100

43 228.6 29.9 44.9#

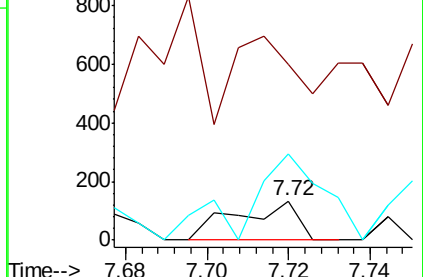
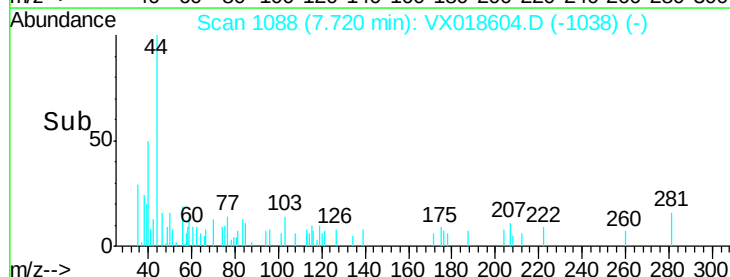
58 274.3 59.0 88.6#

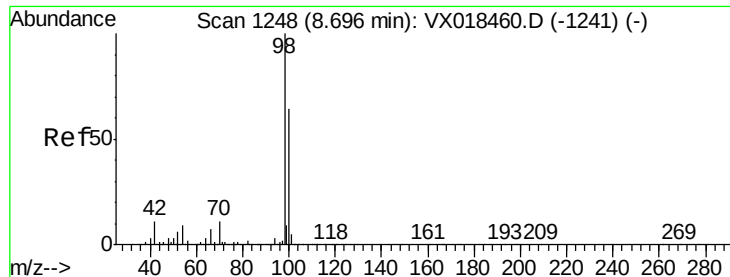


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.886 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018604.D

Acq: 25 Sep 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

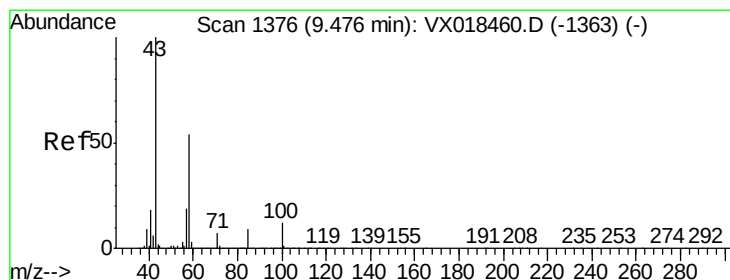
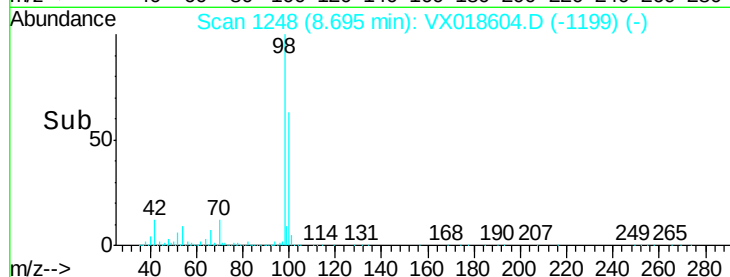
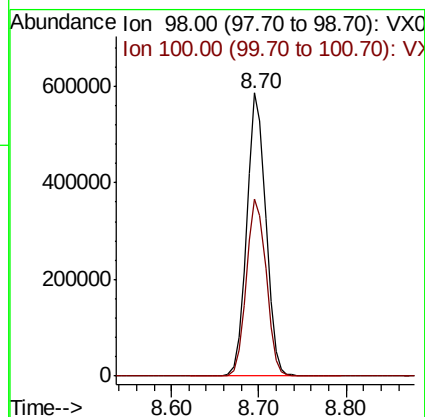
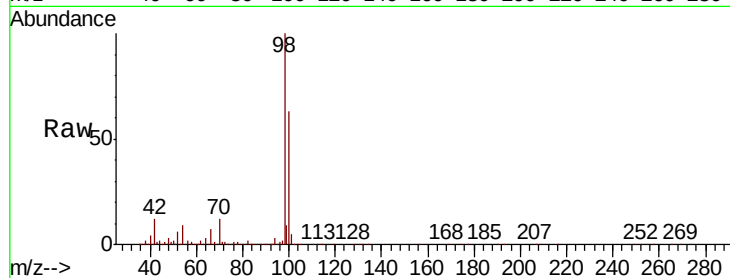
MW-1

Tot Ion: 98 Resp: 882003

Ion Ratio Lower Upper

98 100

100 65.1 51.7 77.5



#59

2-Hexanone

Concen: 8.952 ug/l

RT: 9.61 min Scan# 1398

Delta R.T. 0.13 min

Lab File: VX018604.D

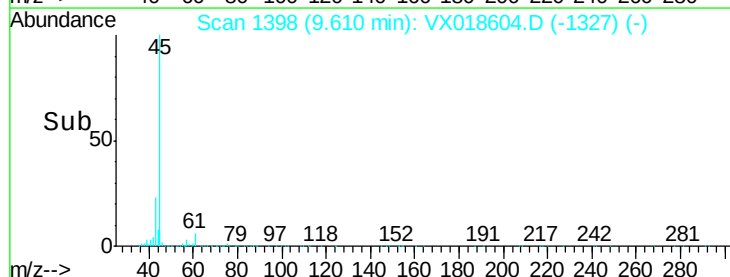
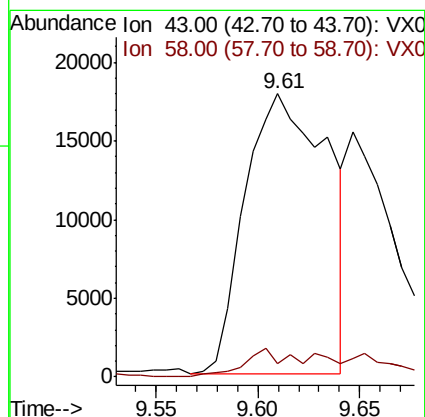
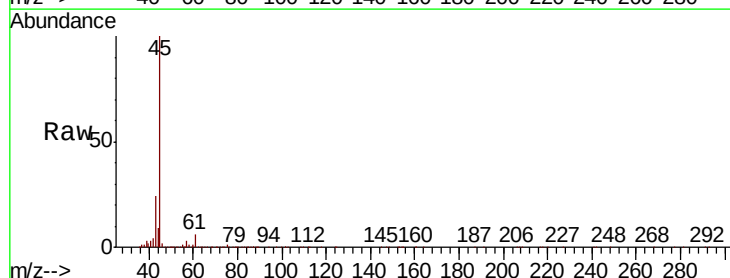
Acq: 25 Sep 2020 18:32

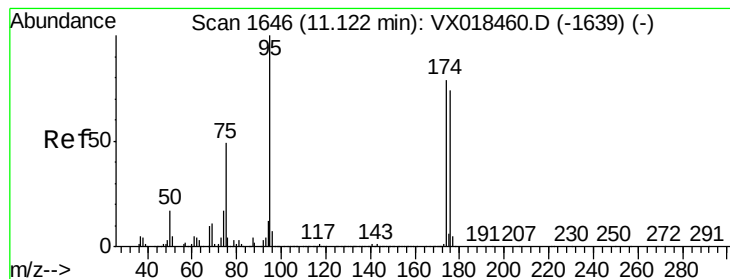
Tgt Ion: 43 Resp: 50084

Ion Ratio Lower Upper

43 100

58 5.6 26.5 79.4#





#62

4-Bromofluorobenzene

Concen: 48.606 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018604.D

Acq: 25 Sep 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

MW-1

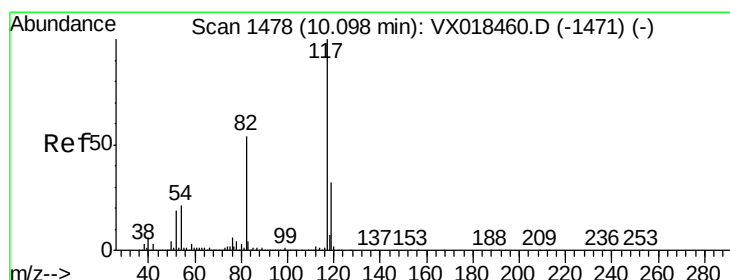
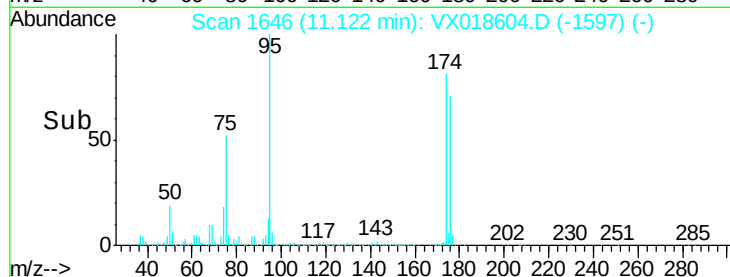
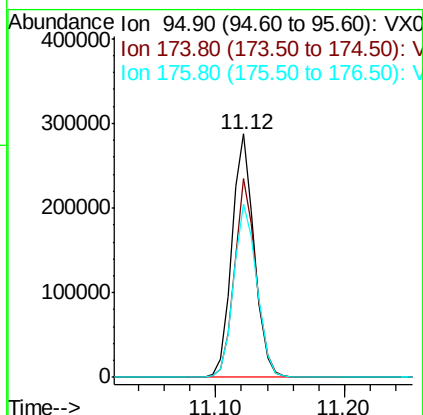
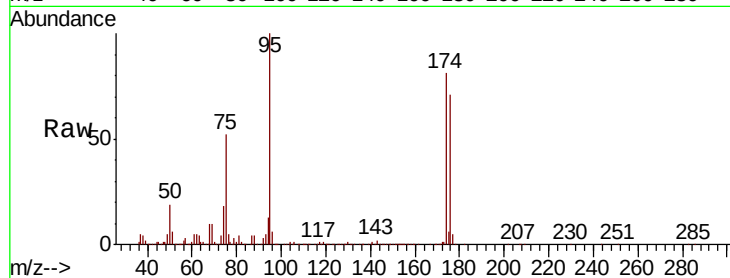
Tot Ion: 95 Resp: 348833

Ion Ratio Lower Upper

95 100

174 78.7 0.0 161.4

176 73.8 0.0 151.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018604.D

Acq: 25 Sep 2020 18:32

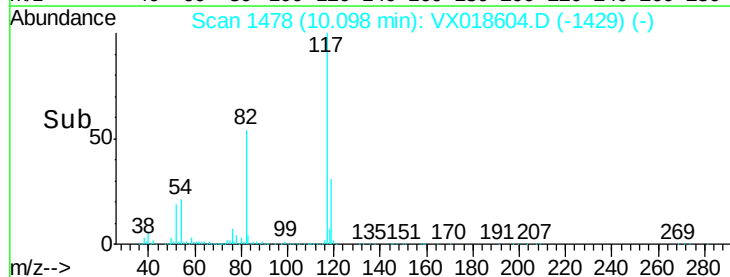
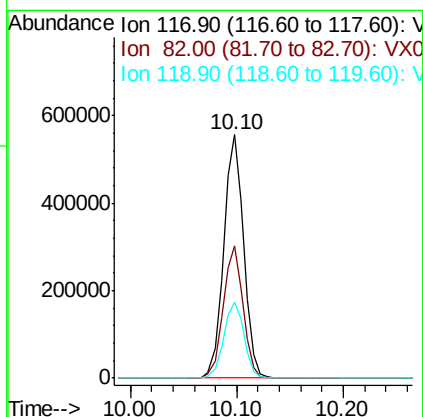
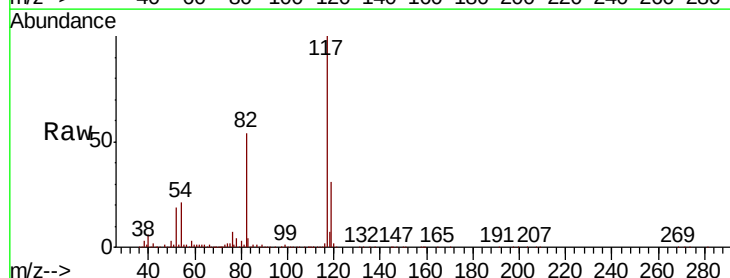
Tgt Ion: 117 Resp: 727436

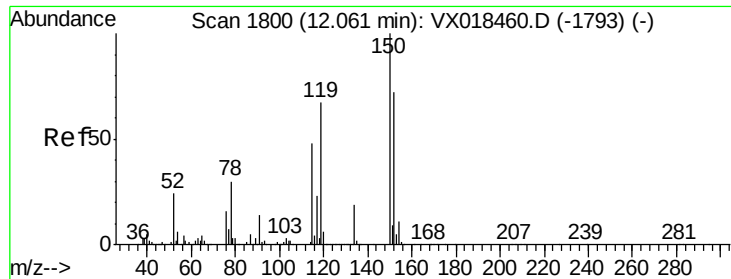
Ion Ratio Lower Upper

117 100

82 54.2 43.3 64.9

119 31.3 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018604.D

Acq: 25 Sep 2020 18:32

Instrument :

MSVOA_X

ClientSampled :

MW-1

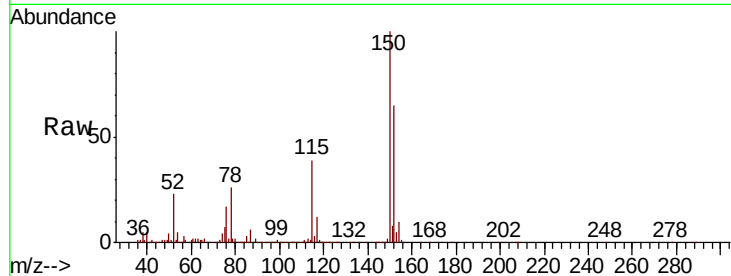
Tot Ion:152 Resp: 365389

Ion Ratio Lower Upper

152 100

115 60.4 41.8 125.4

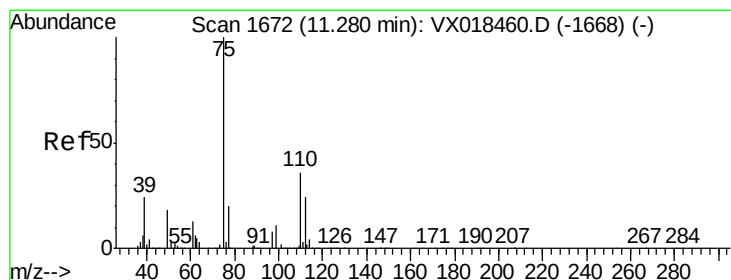
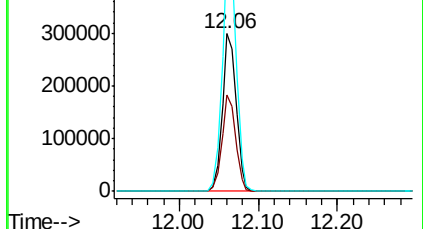
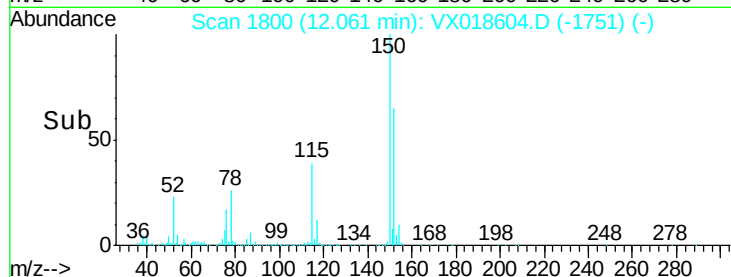
150 154.7 0.0 342.4



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: 23.467 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018604.D

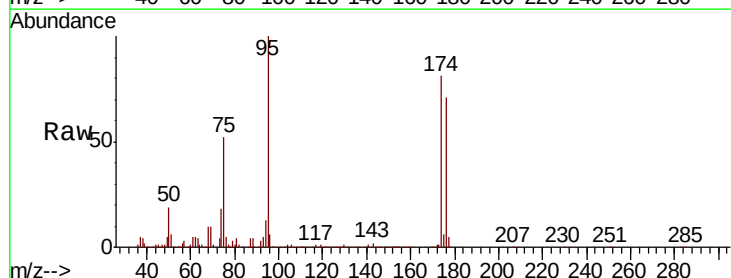
Acq: 25 Sep 2020 18:32

Tgt Ion: 75 Resp: 180191

Ion Ratio Lower Upper

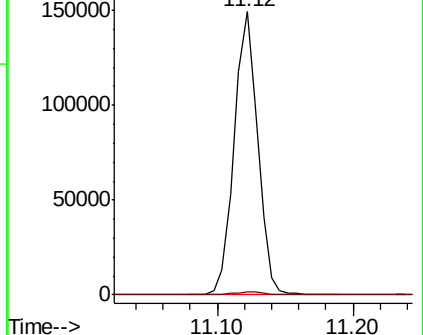
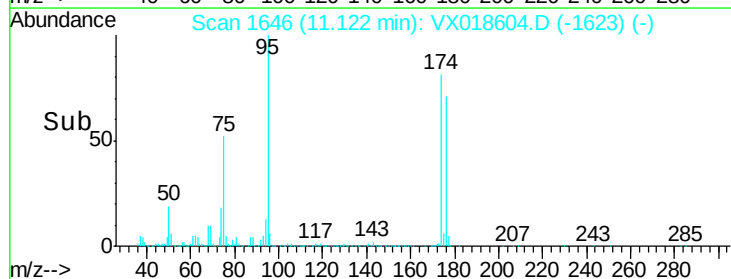
75 100

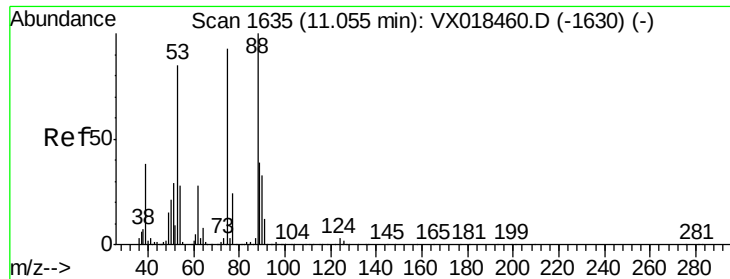
77 1.2 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.134 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018604.D

Acq: 25 Sep 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

MW-1

Tot Ion: 75 Resp: 180191

Ion Ratio Lower Upper

75 100

53 0.4 74.6 111.8#

89 0.1 36.2 54.4#

