

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018501.D
 Acq On : 18 Sep 2020 18:34
 Operator : JC/SP
 Sample : L4058-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: Sep 19 01:58:37 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	5.64	168	518773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	843759	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	795471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	403173	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	357470	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
35) Dibromofluoromethane	5.47	113	278689	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
50) Toluene-d8	8.70	98	1009593	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
62) 4-Bromofluorobenzene	11.12	95	389626	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	

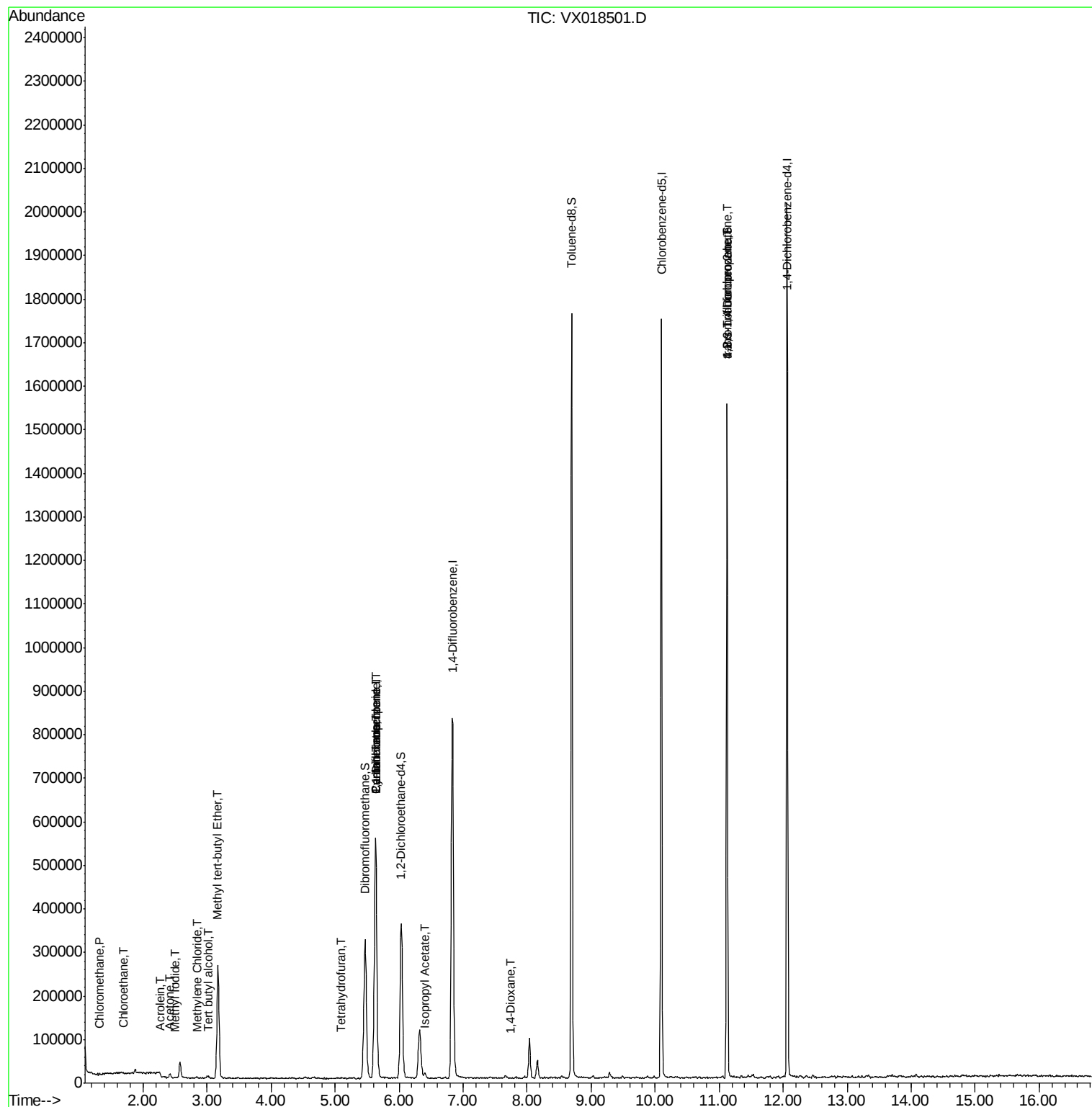
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2198	0.382	ug/l #	87
6) Chloroethane	1.70	64	959	0.275	ug/l	92
10) Methyl Iodide	2.49	142	437	4.978	ug/l #	85
11) Tert butyl alcohol	3.02	59	6326	4.954	ug/l #	72
13) Acrolein	2.28	56	250	0.309	ug/l #	1
16) Acetone	2.42	43	10853	3.867	ug/l	94
19) Methyl tert-butyl Ether	3.17	73	295908	16.778	ug/l	94
20) Methylene Chloride	2.83	84	1862	0.301	ug/l #	59
29) Tetrahydrofuran	5.10	42	792	0.287	ug/l #	84
31) Cyclohexane	5.64	56	11498	1.295	ug/l #	28
36) 1,1-Dichloropropene	5.63	75	39967	4.880	ug/l #	50
38) Carbon Tetrachloride	5.64	117	52671	5.807	ug/l #	19
43) Isopropyl Acetate	6.41	43	4461	0.307	ug/l #	67
49) 1,4-Dioxane	7.73	88	474	4.061	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	197196	23.275	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	197196	59.642	ug/l #	12

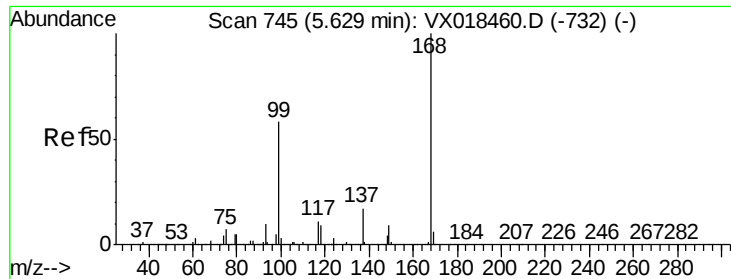
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018501.D

Acq: 18 Sep 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

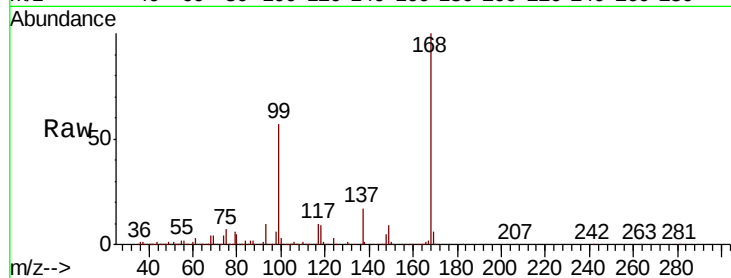
MW-6

Tot Ion:168 Resp: 518773

Ion Ratio Lower Upper

168 100

99 57.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

150000

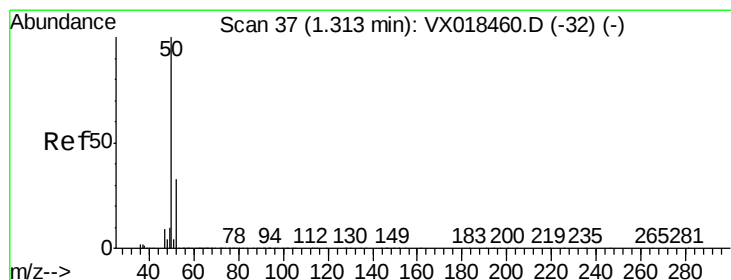
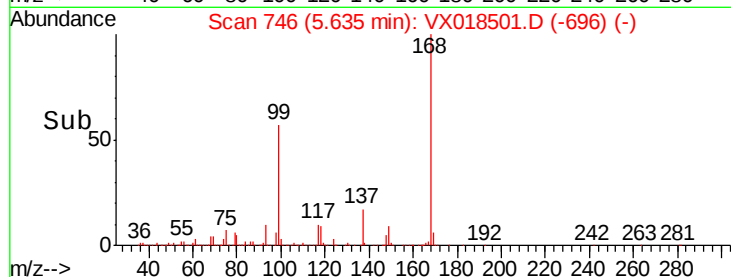
100000

50000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.382 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018501.D

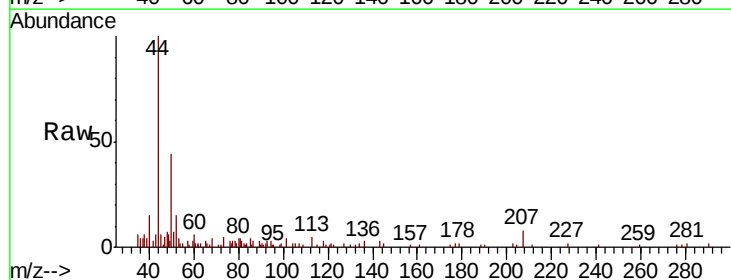
Acq: 18 Sep 2020 18:34

Tgt Ion: 50 Resp: 2198

Ion Ratio Lower Upper

50 100

52 26.1 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

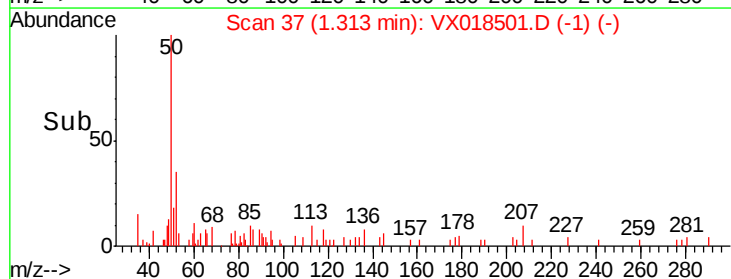
1000

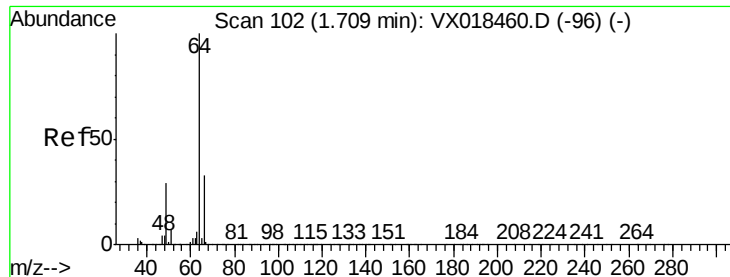
500

0

Time-->

1.25 1.30 1.35





#6

Chloroethane

Concen: 0.275 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX018501.D

Acq: 18 Sep 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

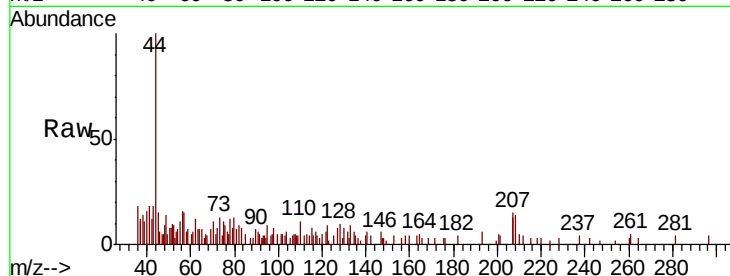
MW-6

Tot Ion: 64 Resp: 959

Ion Ratio Lower Upper

64 100

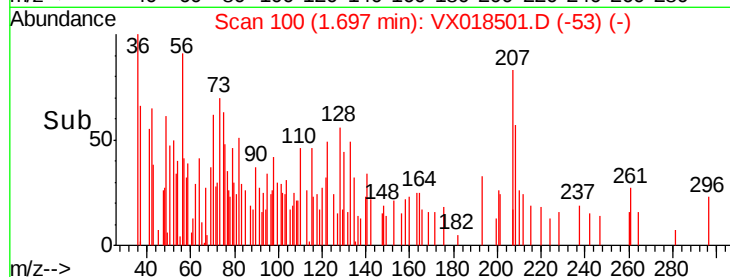
66 28.1 26.2 39.4



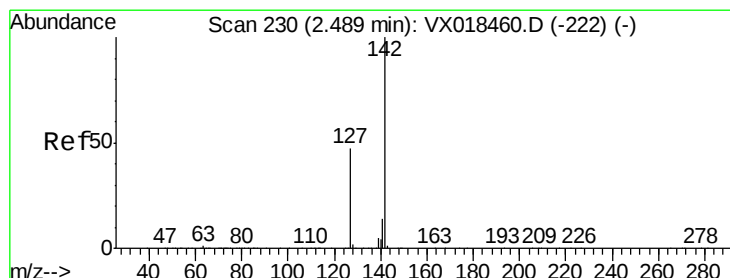
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

Time-->



Time-->



#10

Methyl Iodide

Concen: 4.978 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018501.D

Acq: 18 Sep 2020 18:34

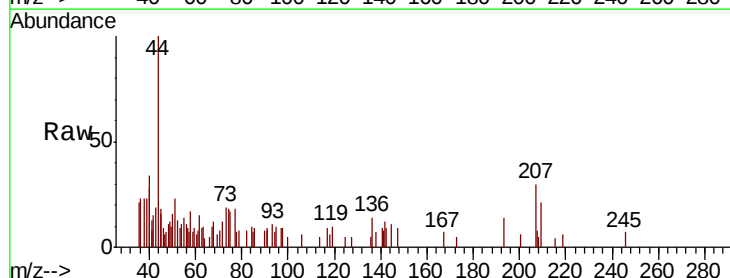
Tgt Ion: 142 Resp: 437

Ion Ratio Lower Upper

142 100

127 35.0 36.0 54.0#

141 21.5 11.9 17.9#

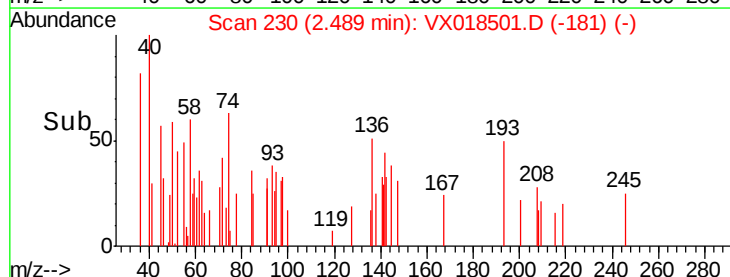


Abundance Ion 141.80 (141.50 to 142.50): V

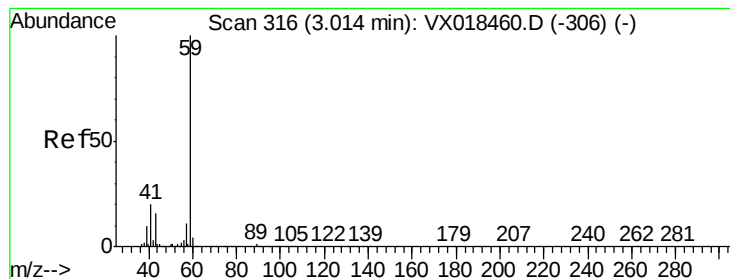
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

Time-->



Time-->

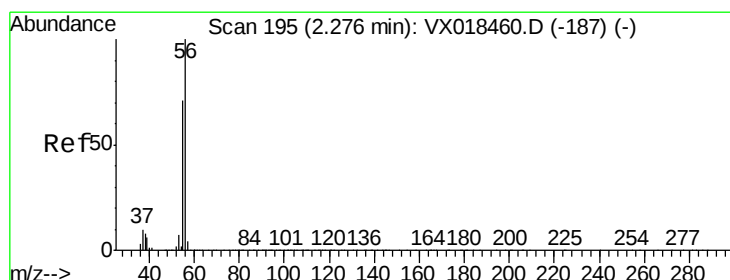
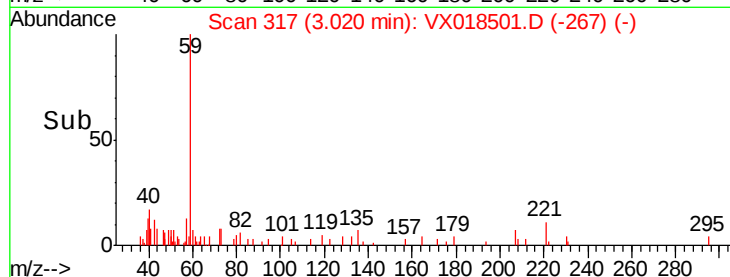
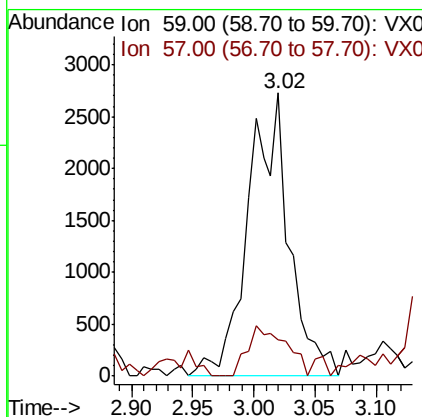
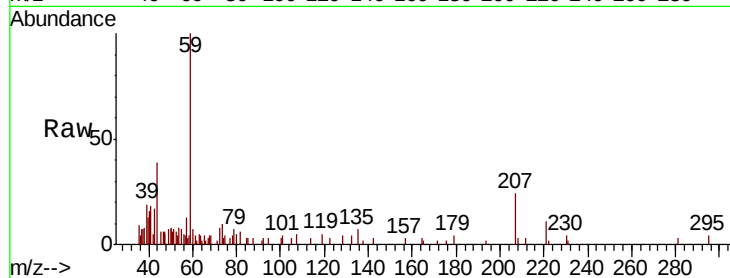


#11

Tert butyl alcohol
 Concen: 4.954 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX018501.D
 Acq: 18 Sep 2020 18:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

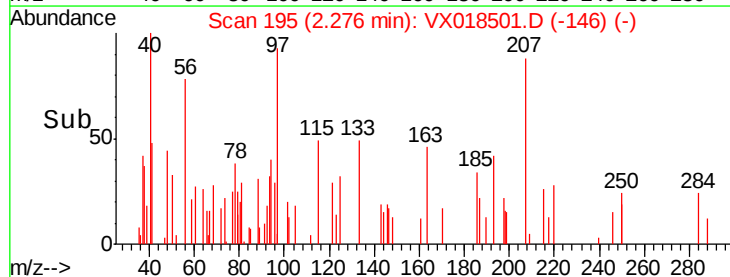
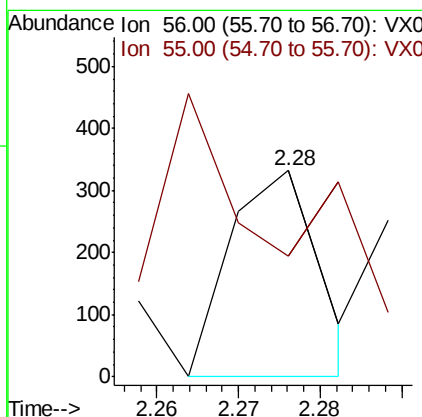
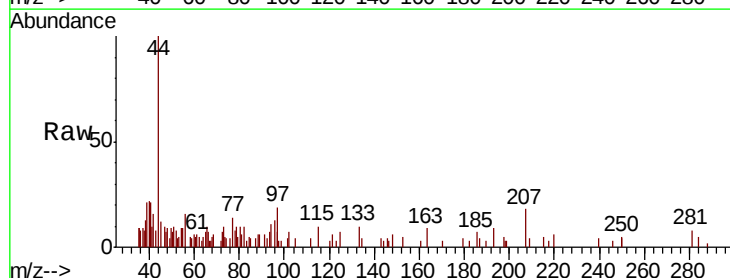
Tot Ion: 59 Resp: 6326
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

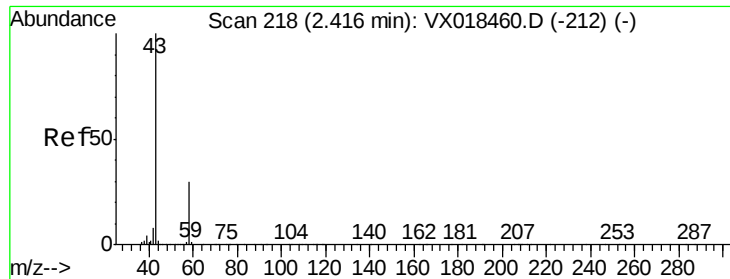


#13

Acrolein
 Concen: 0.309 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: VX018501.D
 Acq: 18 Sep 2020 18:34

Tgt Ion: 56 Resp: 250
 Ion Ratio Lower Upper
 56 100
 55 211.2 58.2 87.4#

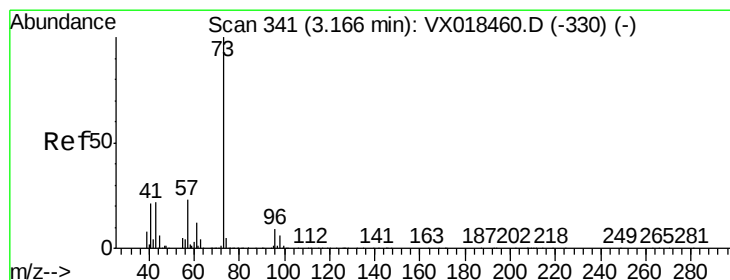
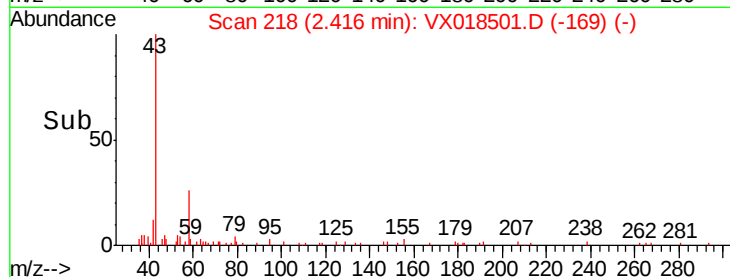
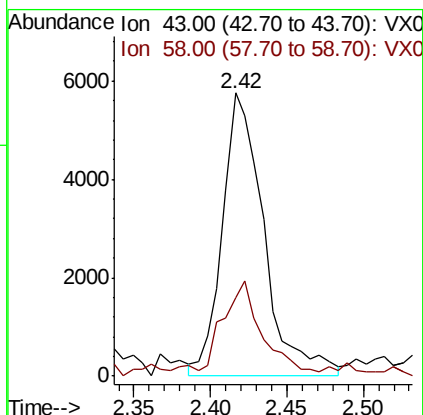
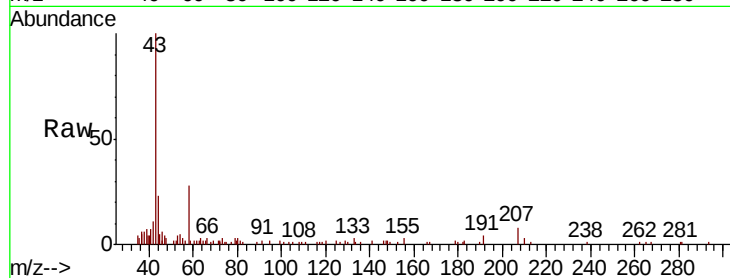




#16
Acetone
Concen: 3.867 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX018501.D
Acq: 18 Sep 2020 18:34

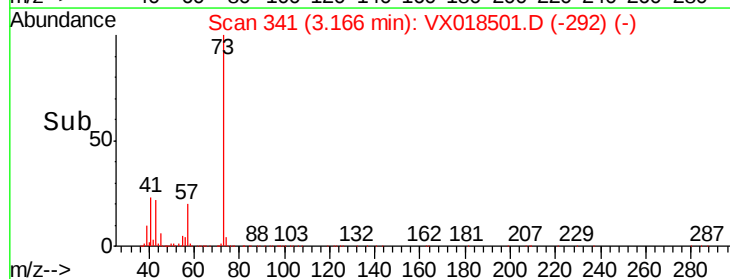
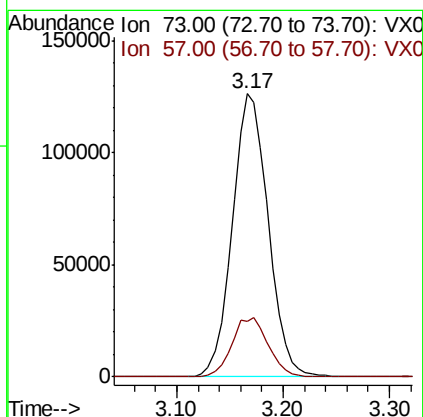
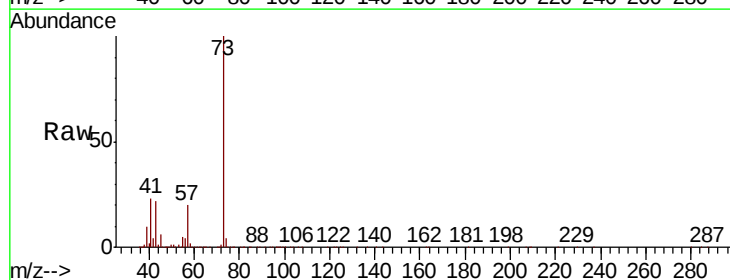
Instrument :
MSVOA_X
ClientSampleId :
MW-6

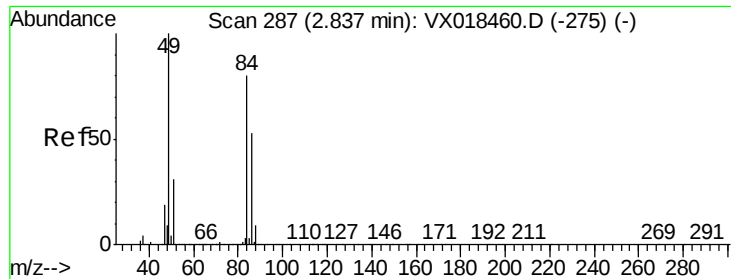
Tot Ion: 43 Resp: 10853
Ion Ratio Lower Upper
43 100
58 26.8 24.0 36.0



#19
Methyl tert-butyl Ether
Concen: 16.778 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018501.D
Acq: 18 Sep 2020 18:34

Tgt Ion: 73 Resp: 295908
Ion Ratio Lower Upper
73 100
57 19.8 18.0 27.0

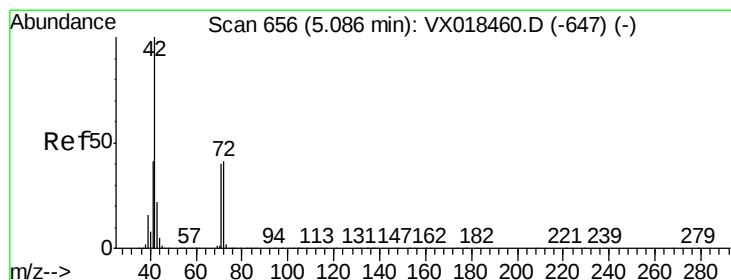
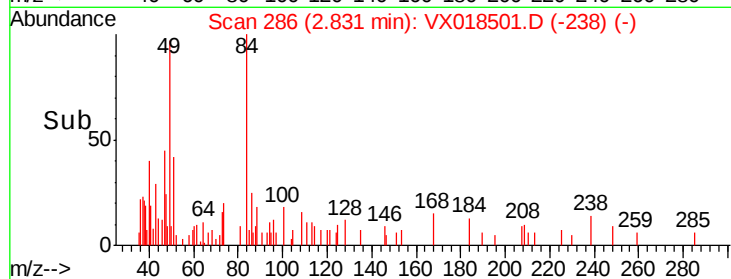
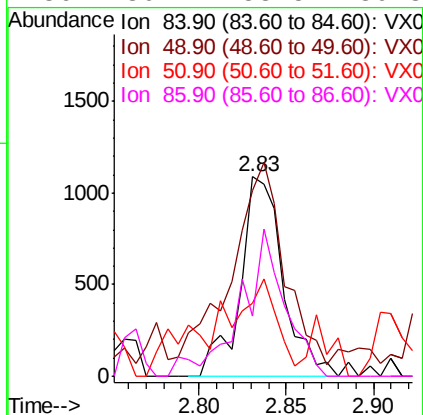
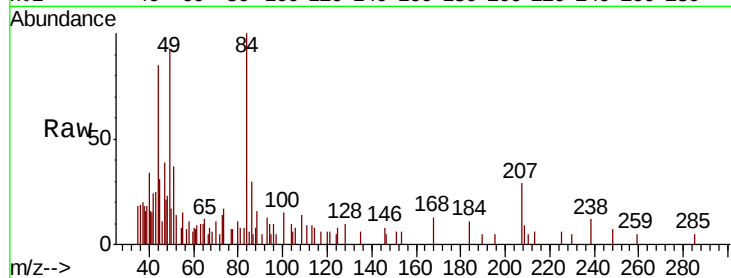




#20
Methvlene Chloride
Concen: 0.301 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018501.D
Acq: 18 Sep 2020 18:34

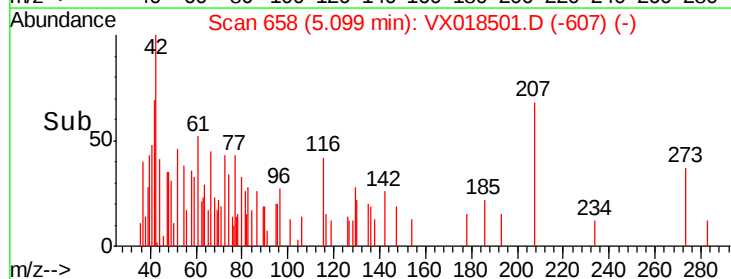
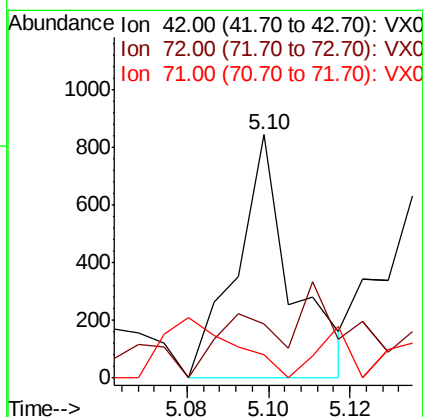
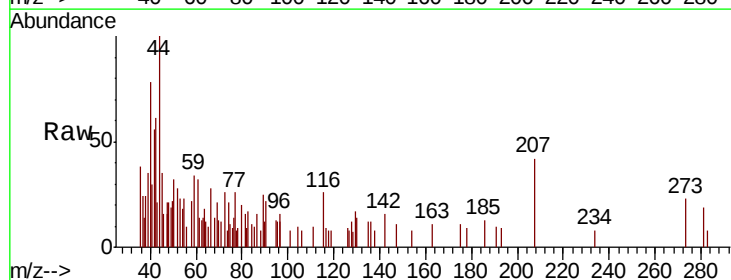
Instrument :
MSVOA_X
ClientSampled :
MW-6

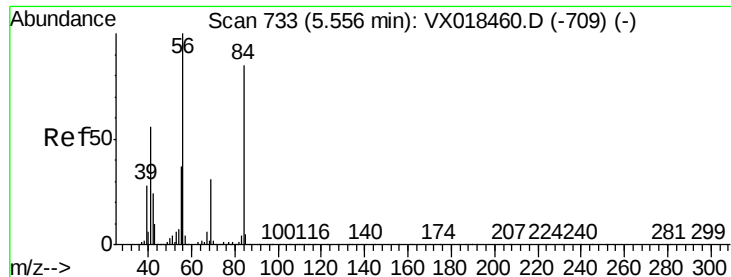
Tot Ion:	84	Resp:	1862
Ion	Ratio	Lower	Upper
84	100		
49	79.7	100.6	151.0#
51	17.5	30.9	46.3#
86	30.2	53.5	80.3#



#29
Tetrahydrofuran
Concen: 0.287 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX018501.D
Acq: 18 Sep 2020 18:34

Tgt Ion:	42	Resp:	792
Ion	Ratio	Lower	Upper
42	100		
72	30.3	34.3	51.5#
71	32.3	32.1	48.1

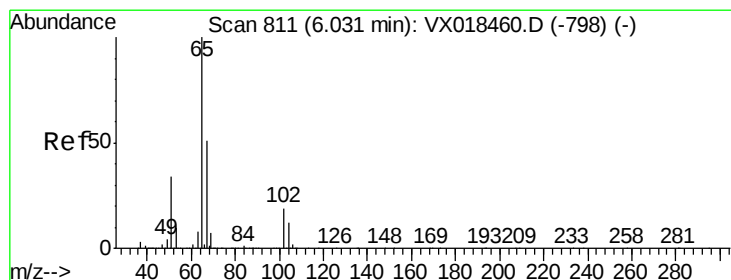
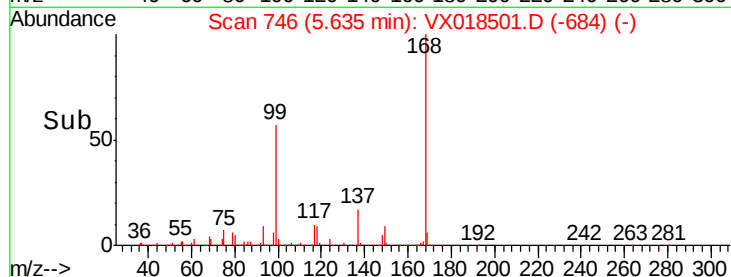
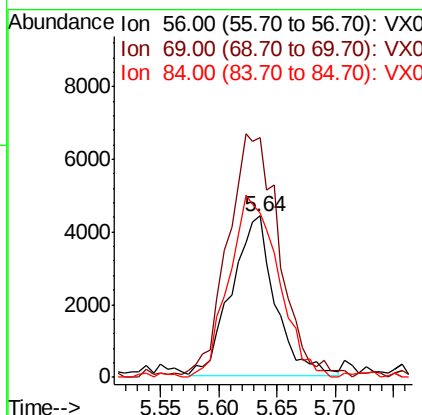
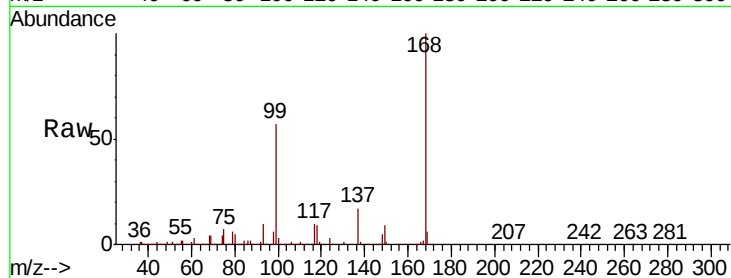




#31
Cyclohexane
Concen: 1.295 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX018501.D
Acq: 18 Sep 2020 18:34

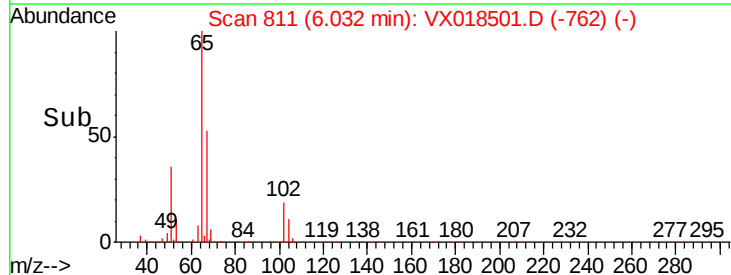
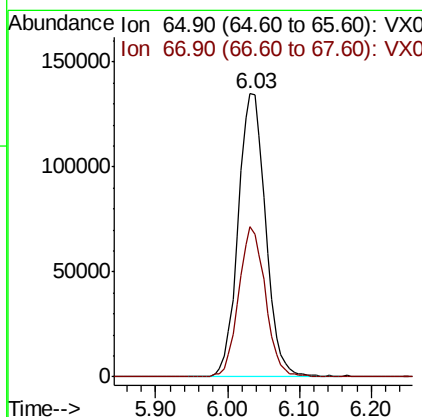
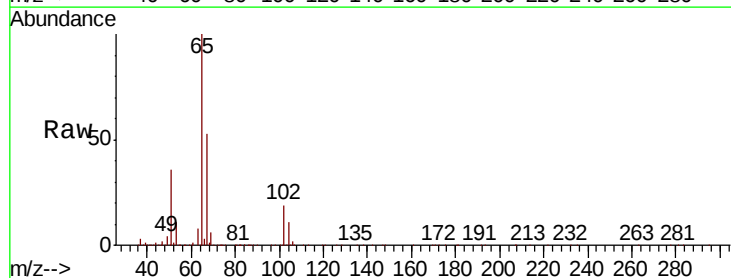
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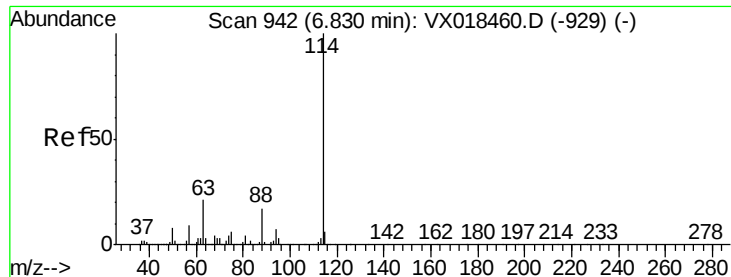
Tot Ion: 56 Resp: 11498
Ion Ratio Lower Upper
56 100
69 147.2 24.8 37.2#
84 103.8 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.709 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX018501.D
Acq: 18 Sep 2020 18:34

Tgt Ion: 65 Resp: 357470
Ion Ratio Lower Upper
65 100
67 51.6 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: VX018501.D

Acq: 18 Sep 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

MW-6

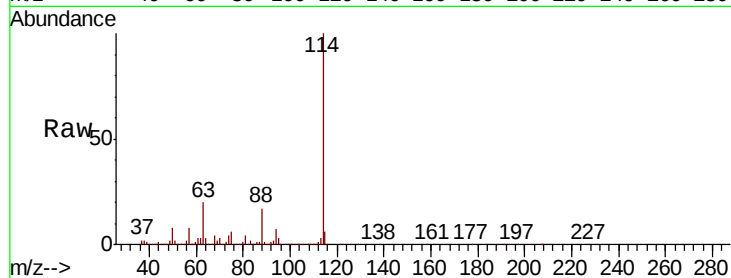
Tot Ion:114 Resp: 843759

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

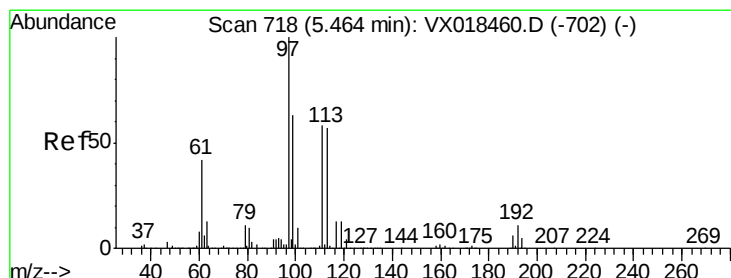
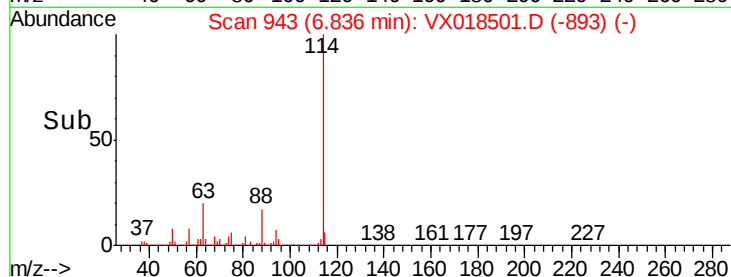
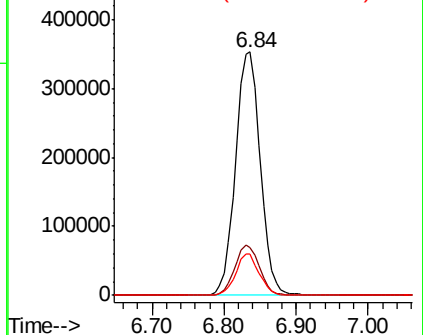
88 16.7 0.0 33.6



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: 47.778 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018501.D

Acq: 18 Sep 2020 18:34

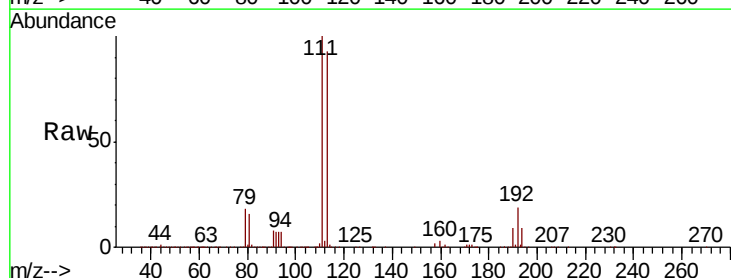
Tgt Ion:113 Resp: 278689

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.2

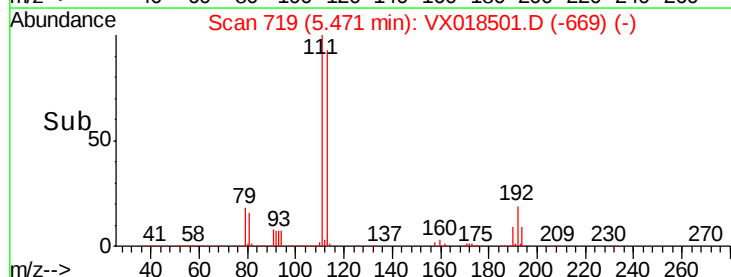
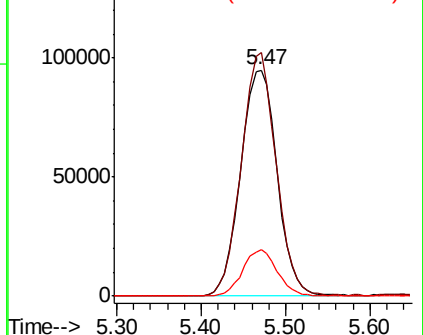
192 19.6 16.6 24.8

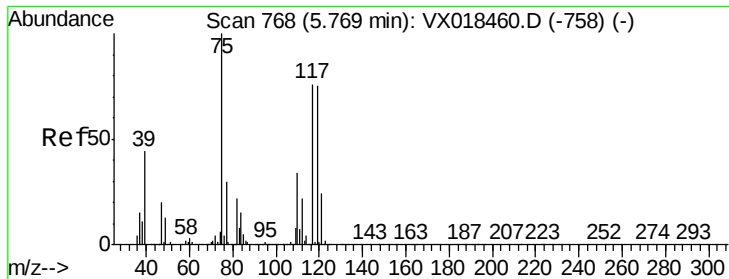


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.880 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018501.D

Acq: 18 Sep 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

MW-6

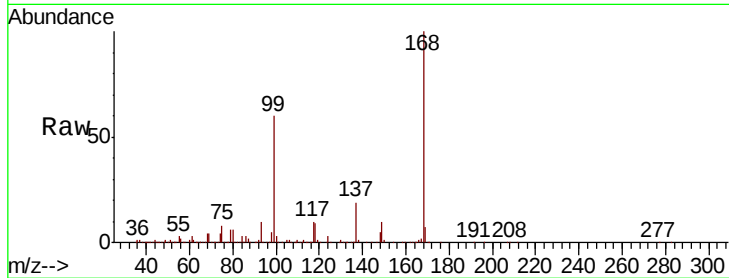
Tot Ion: 75 Resp: 39967

Ion Ratio Lower Upper

75 100

110 9.2 17.6 52.8#

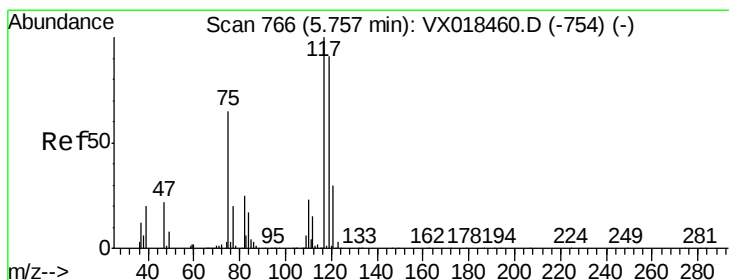
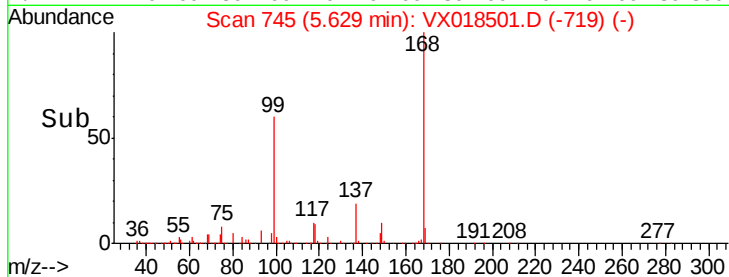
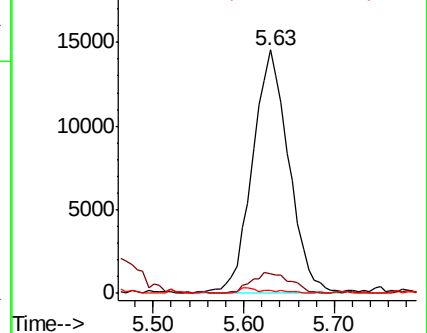
77 0.0 25.0 37.6#



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: 5.807 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018501.D

Acq: 18 Sep 2020 18:34

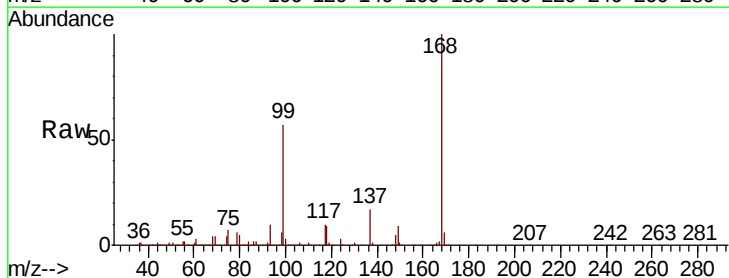
Tgt Ion: 117 Resp: 52671

Ion Ratio Lower Upper

117 100

119 6.2 72.3 108.5#

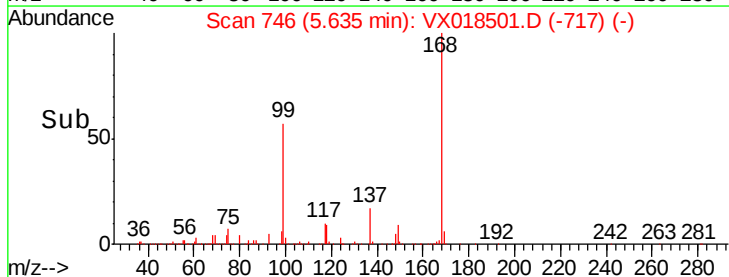
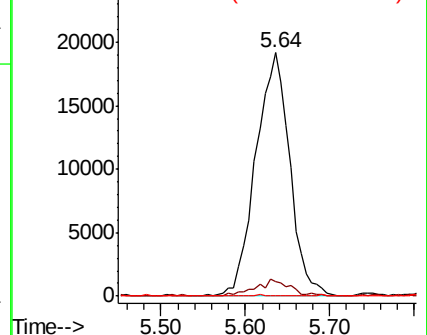
121 0.4 23.8 35.8#

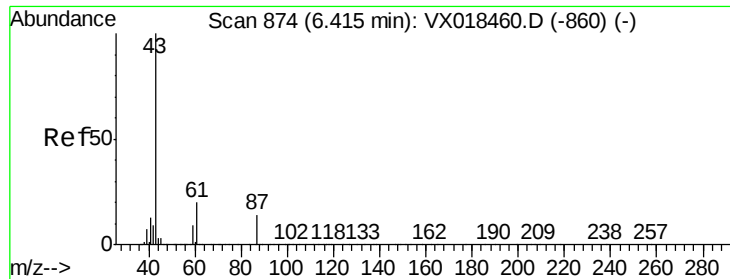


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.307 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX018501.D

Acq: 18 Sep 2020 18:34

Instrument :

MSVOA_X

ClientSampled :

MW-6

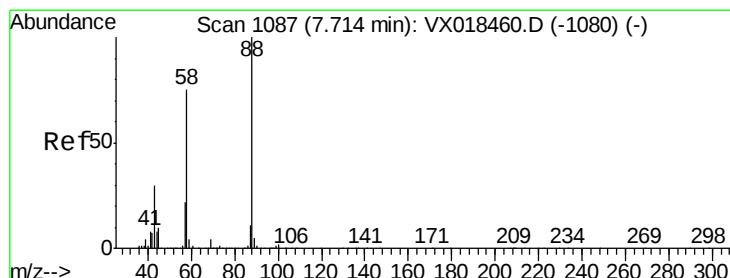
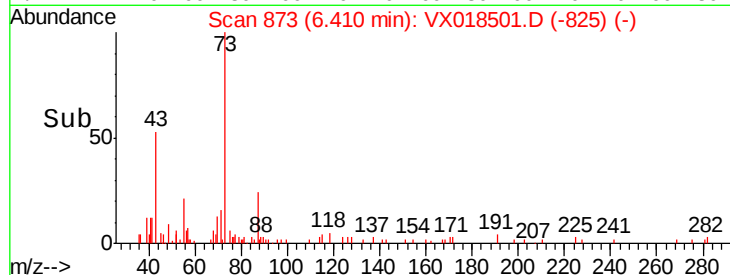
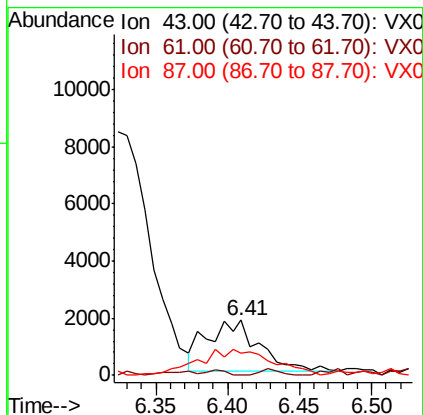
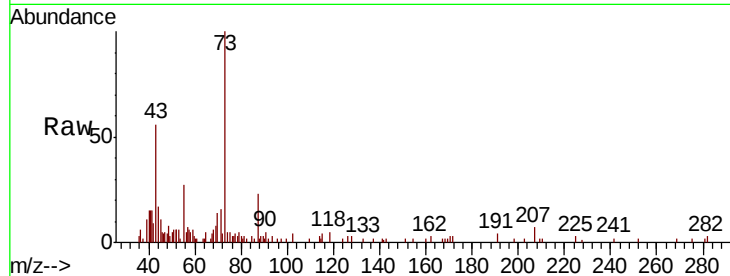
Tot Ion: 43 Resp: 4461

Ion Ratio Lower Upper

43 100

61 4.3 15.7 23.5#

87 0.0 10.4 15.6#



#49

1,4-Dioxane

Concen: 4.061 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX018501.D

Acq: 18 Sep 2020 18:34

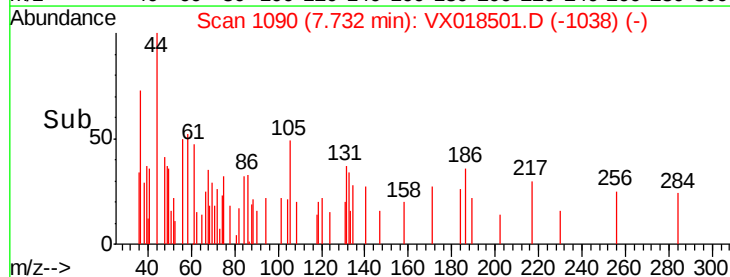
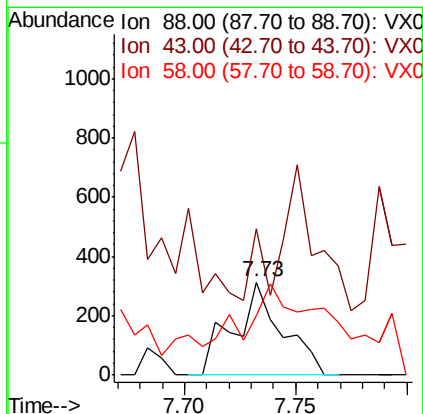
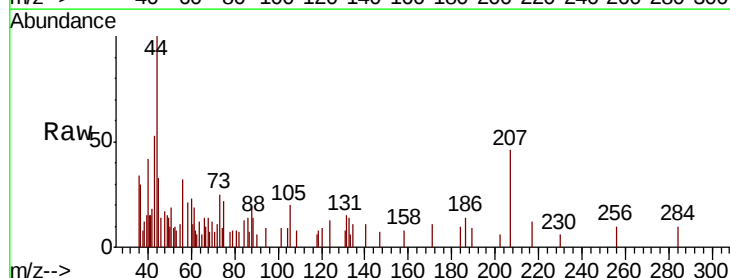
Tgt Ion: 88 Resp: 474

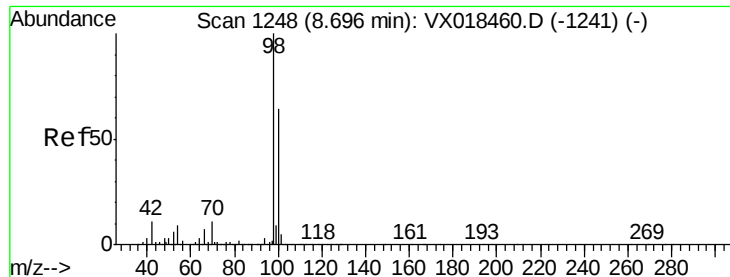
Ion Ratio Lower Upper

88 100

43 122.8 29.9 44.9#

58 200.0 59.0 88.6#





#50

Toluene-d8

Concen: 47.637 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018501.D

Acq: 18 Sep 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

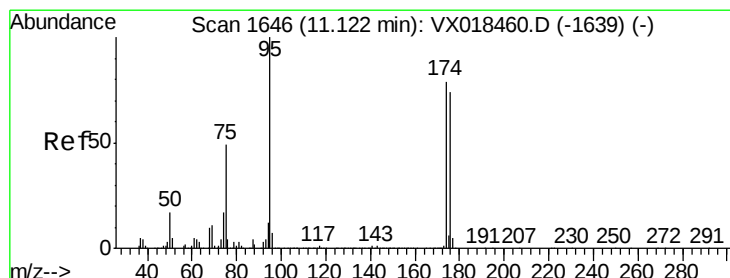
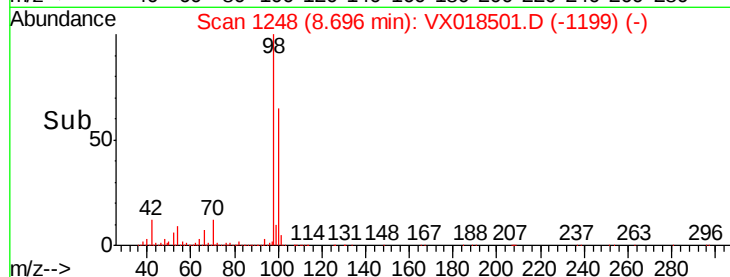
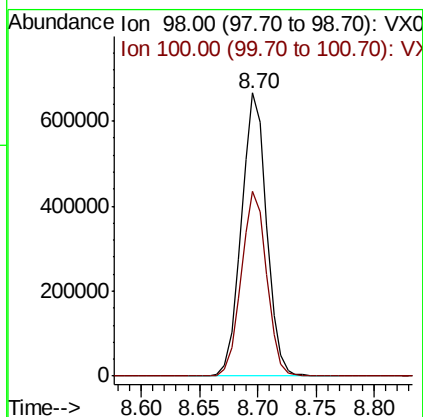
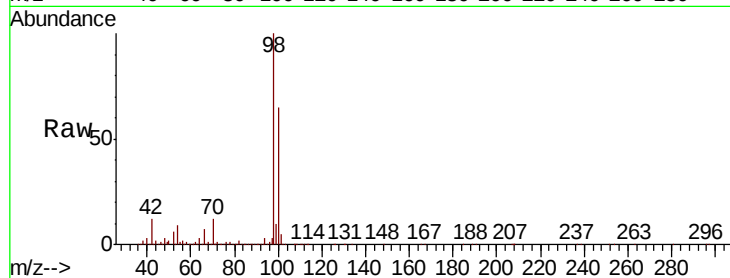
MW-6

Tot Ion: 98 Resp: 1009593

Ion Ratio Lower Upper

98 100

100 65.6 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 46.218 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018501.D

Acq: 18 Sep 2020 18:34

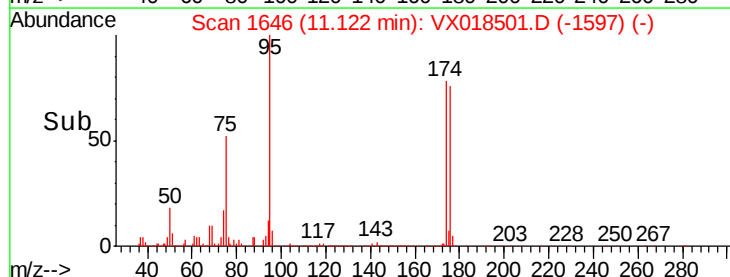
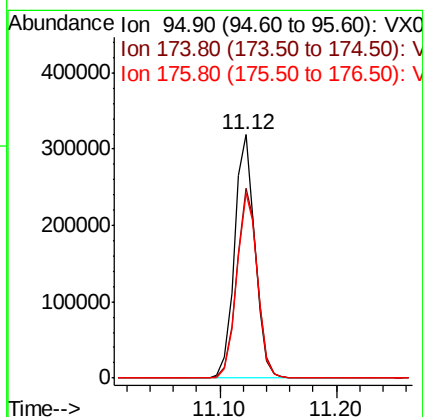
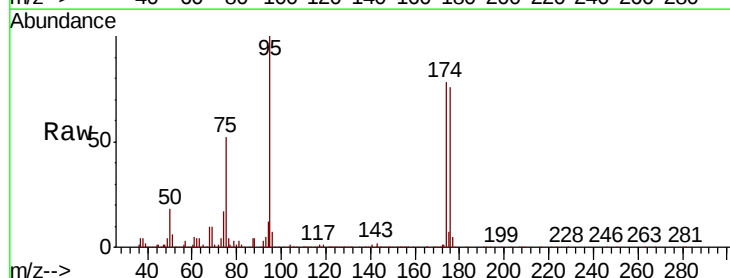
Tgt Ion: 95 Resp: 389626

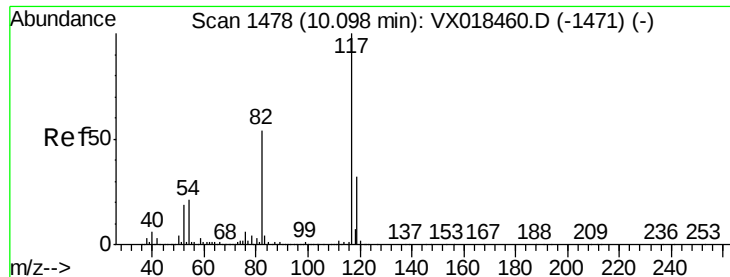
Ion Ratio Lower Upper

95 100

174 78.9 0.0 161.4

176 76.5 0.0 151.4

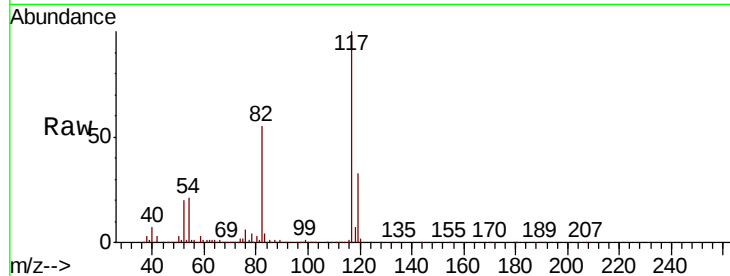




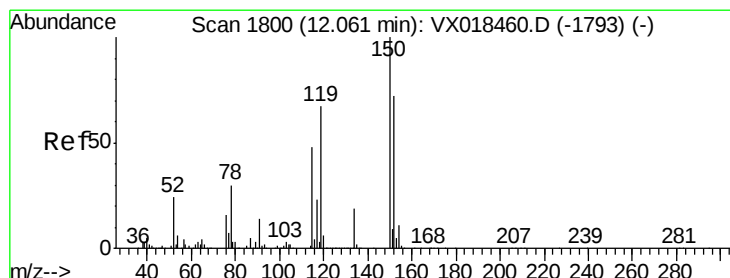
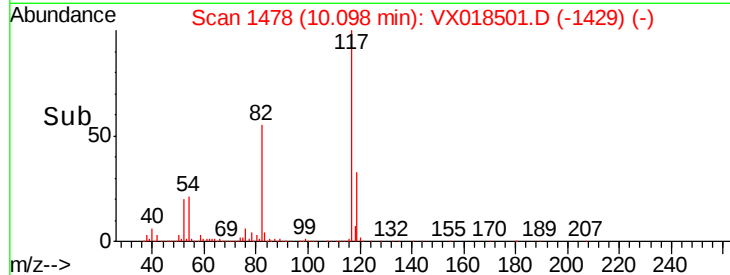
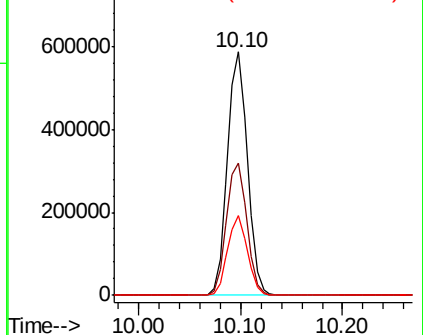
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018501.D
Acq: 18 Sep 2020 18:34

Instrument :
MSVOA_X
ClientSampleId :
MW-6

Tot Ion:117 Resp: 795471
Ion Ratio Lower Upper
117 100
82 54.5 43.3 64.9
119 33.0 25.9 38.9

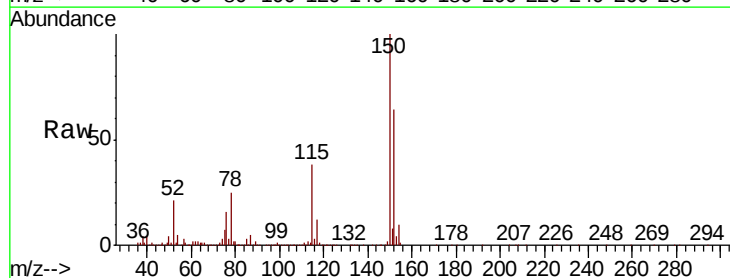


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

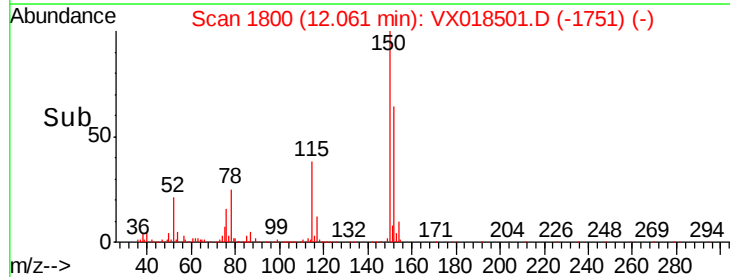
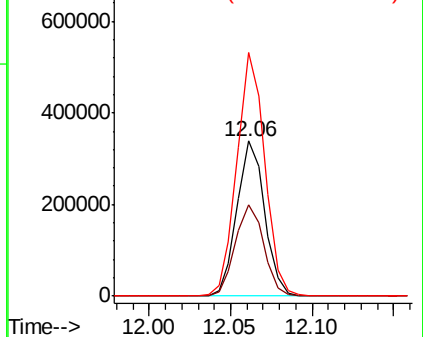


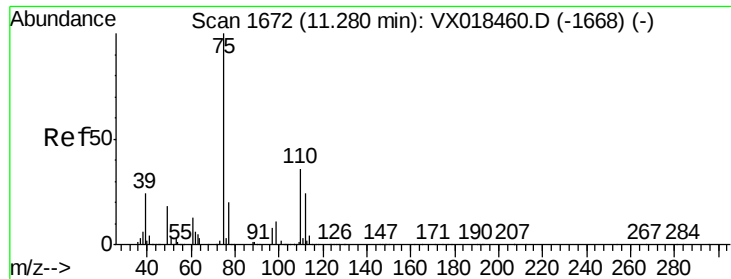
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018501.D
Acq: 18 Sep 2020 18:34

Tgt Ion:152 Resp: 403173
Ion Ratio Lower Upper
152 100
115 60.2 41.8 125.4
150 157.7 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: 23.275 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018501.D

Acq: 18 Sep 2020 18:34

Instrument :

MSVOA_X

ClientSampleId :

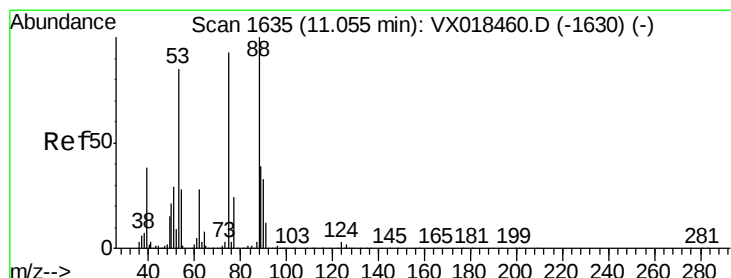
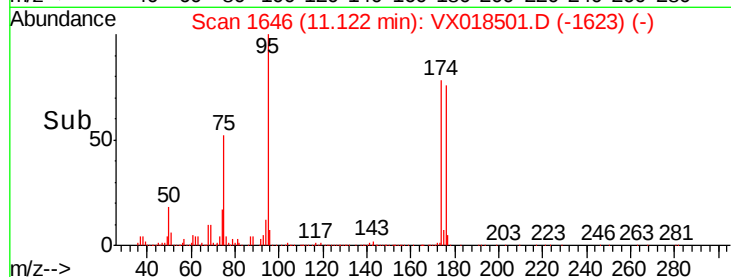
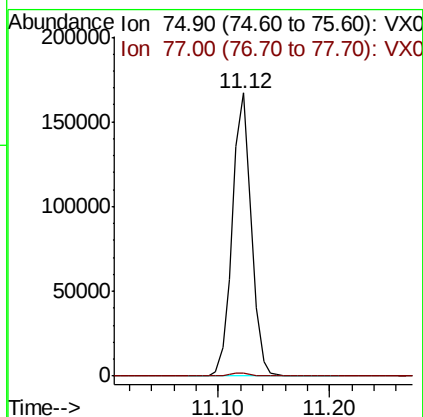
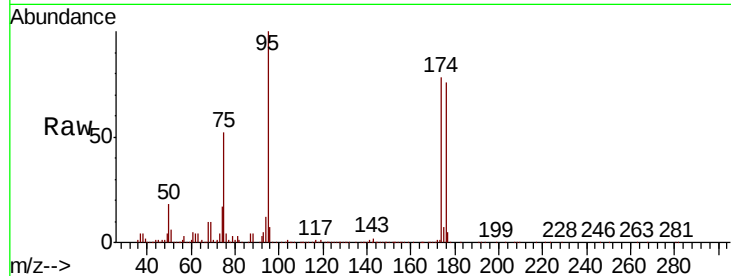
MW-6

Tot Ion: 75 Resp: 197196

Ion Ratio Lower Upper

75 100

77 1.4 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.642 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018501.D

Acq: 18 Sep 2020 18:34

Tgt Ion: 75 Resp: 197196

Ion Ratio Lower Upper

75 100

53 0.2 74.6 111.8#

89 0.0 36.2 54.4#

