

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018502.D
 Acq On : 18 Sep 2020 18:57
 Operator : JC/SP
 Sample : L4058-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Sep 19 01:58:53 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	509575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	845490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	803944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	395197	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	348437	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	5.47	113	274905	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
50) Toluene-d8	8.70	98	1018040	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
62) 4-Bromofluorobenzene	11.12	95	395949	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds

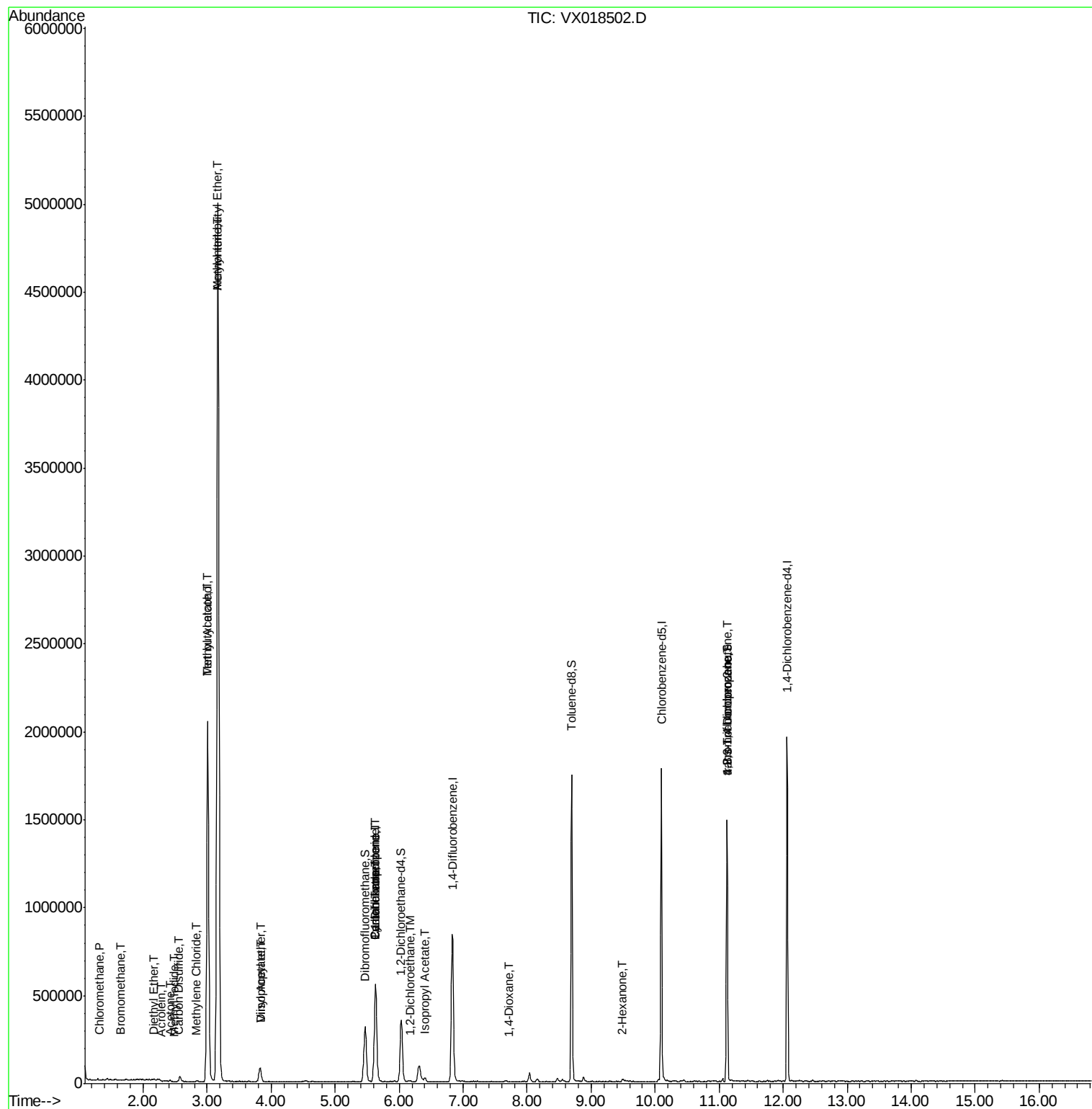
						Qvalue
3) Chloromethane	1.31	50	2206	0.390	ug/l	89
5) Bromomethane	1.65	94	1093	0.297	ug/l	89
8) Diethyl Ether	2.17	74	1162	0.364	ug/l	83
10) Methyl Iodide	2.49	142	333	4.964	ug/l #	31
11) Tert butyl alcohol	3.01	59	2529835	2016.952	ug/l	99
13) Acrolein	2.29	56	539	0.679	ug/l	85
15) Acrylonitrile	3.17	53	55279	18.471	ug/l #	32
16) Acetone	2.42	43	9407	3.412	ug/l	93
17) Carbon Disulfide	2.56	76	5309	0.360	ug/l #	91
18) Methyl Acetate	3.01	43	338904	49.615	ug/l #	53
19) Methyl tert-butyl Ether	3.17	73	5568764	321.458	ug/l	98
20) Methylene Chloride	2.83	84	3291	0.541	ug/l #	82
22) Diisopropyl ether	3.83	45	86100	4.790	ug/l #	78
23) Vinyl Acetate	3.82	43	46065	2.892	ug/l #	75
31) Cyclohexane	5.63	56	11698	1.341	ug/l #	2
36) 1,1-Dichloropropene	5.63	75	39575	4.822	ug/l #	52
38) Carbon Tetrachloride	5.63	117	53369	5.872	ug/l #	19
42) 1,2-Dichloroethane	6.17	62	7232	0.790	ug/l	92
43) Isopropyl Acetate	6.40	43	7081	0.487	ug/l #	7
49) 1,4-Dioxane	7.71	88	26	0.222	ug/l #	21
59) 2-Hexanone	9.49	43	1980	0.301	ug/l	72
76) 1,2,3-Trichloropropane	11.12	75	195490	23.539	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	195490	60.319	ug/l #	13

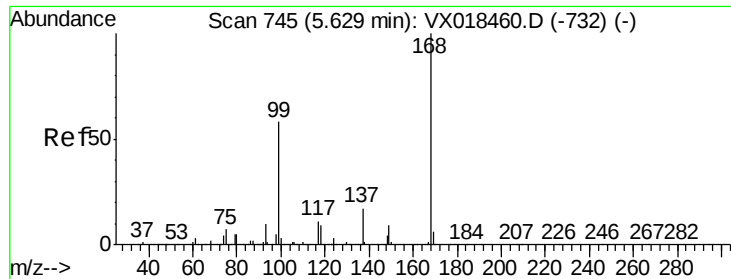
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX018502.D
Acq On : 18 Sep 2020 18:57
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Quant Time: Sep 19 01:58:53 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# 745

Delta R.T. 0.00 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

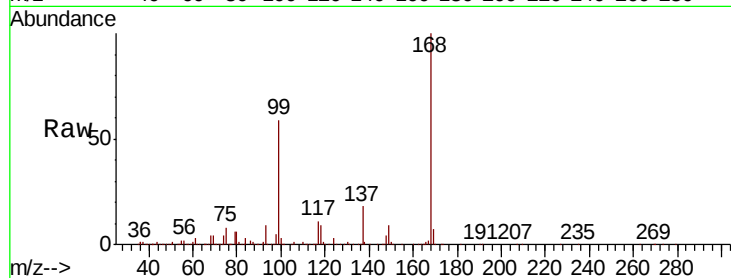
MW-7

Tot Ion:168 Resp: 509575

Ion Ratio Lower Upper

168 100

99 59.3 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

200000

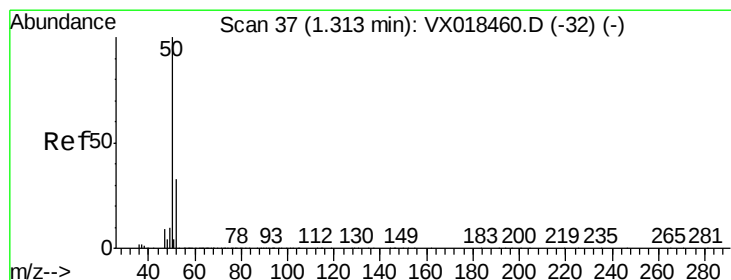
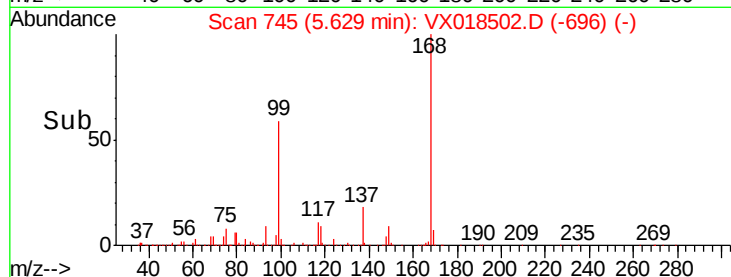
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.390 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018502.D

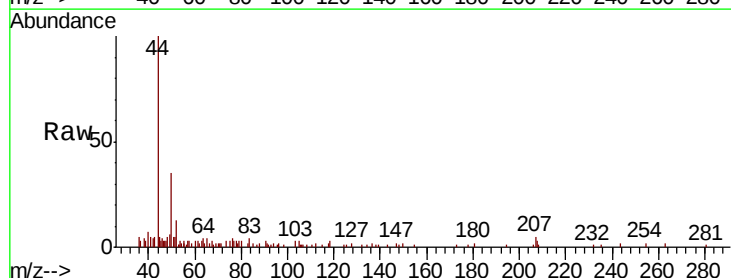
Acq: 18 Sep 2020 18:57

Tgt Ion: 50 Resp: 2206

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

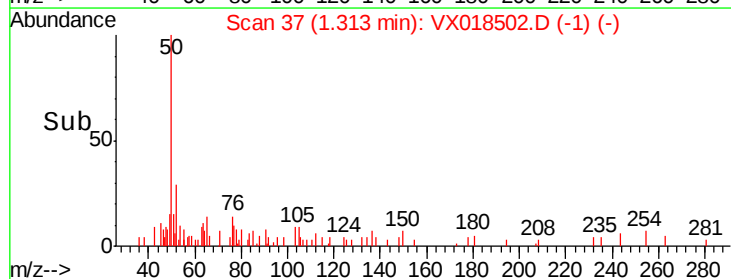
1500

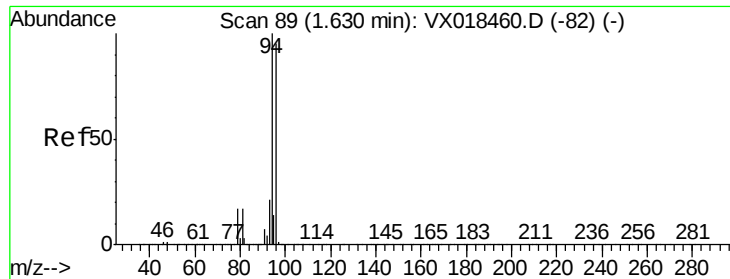
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.297 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

Instrument :

MSVOA_X

ClientSampled :

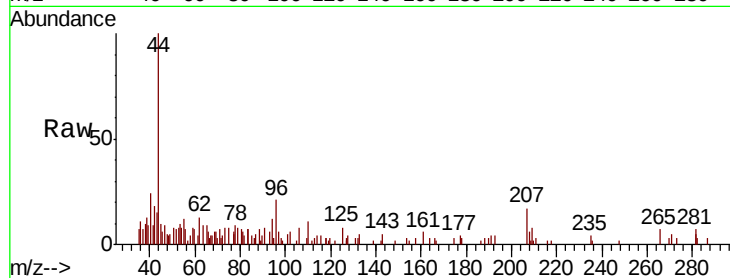
MW-7

Tot Ion: 94 Resp: 1093

Ion Ratio Lower Upper

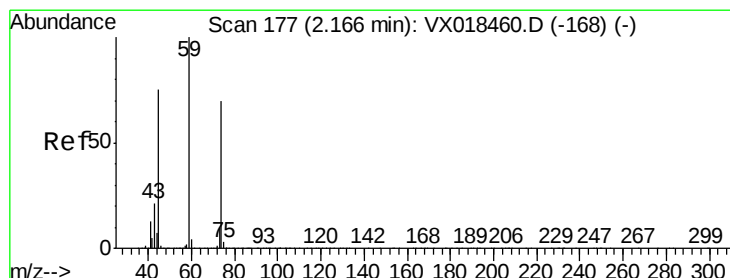
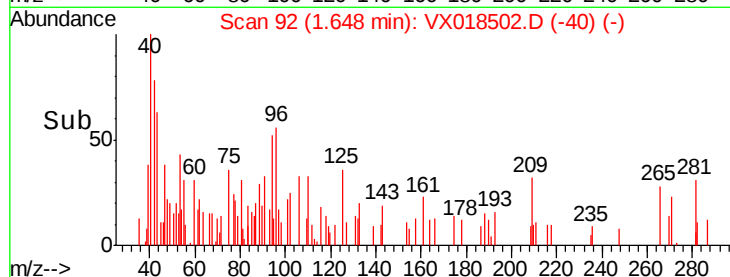
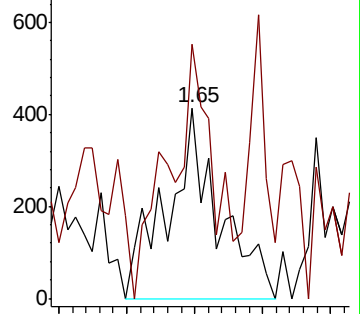
94 100

96 104.8 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.364 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX018502.D

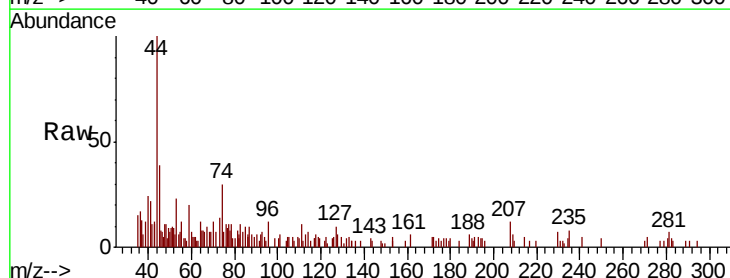
Acq: 18 Sep 2020 18:57

Tgt Ion: 74 Resp: 1162

Ion Ratio Lower Upper

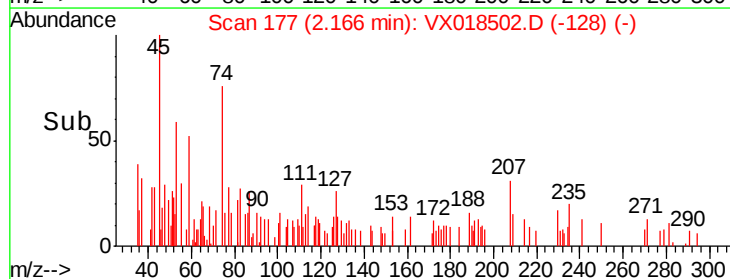
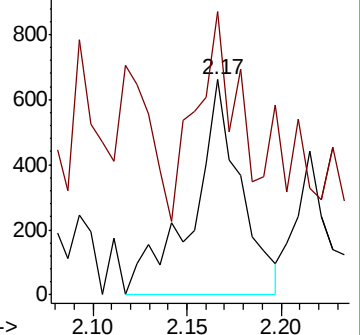
74 100

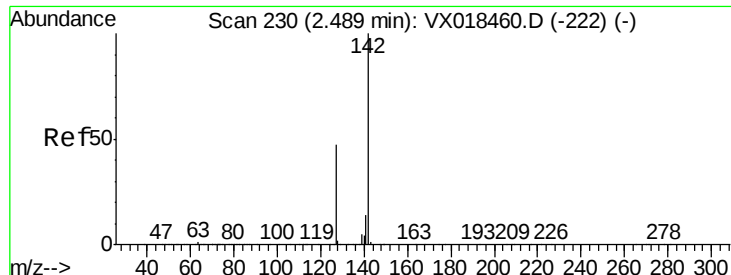
45 84.0 50.7 152.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

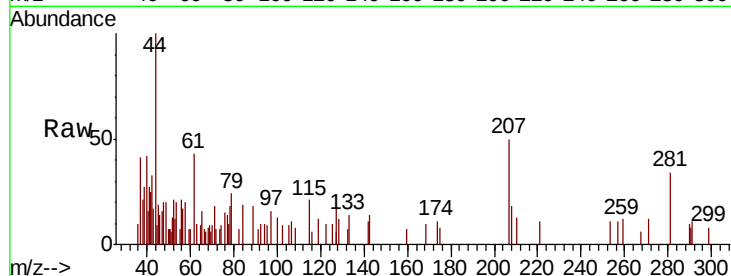




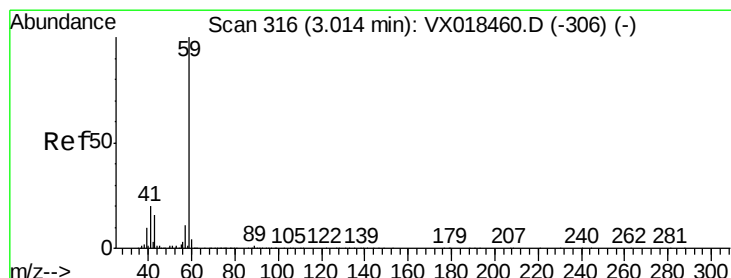
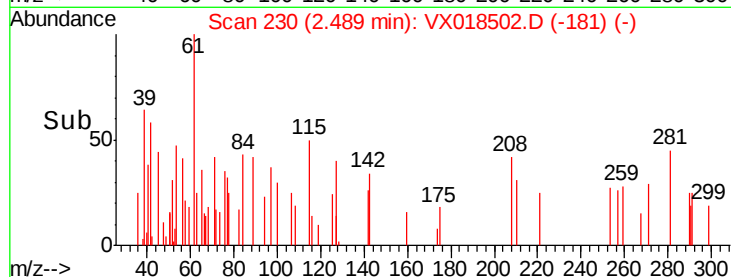
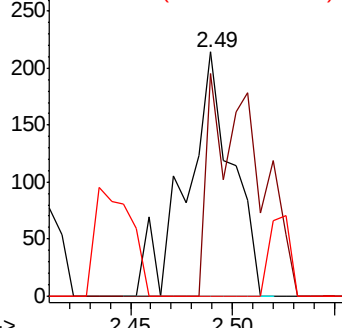
#10
Methyl Iodide
Concen: 4.964 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018502.D
Acq: 18 Sep 2020 18:57

Instrument :
MSVOA_X
ClientSampled :
MW-7

Tot Ion:142 Resp: 333
Ion Ratio Lower Upper
142 100
127 97.0 36.0 54.0#
141 0.0 11.9 17.9#

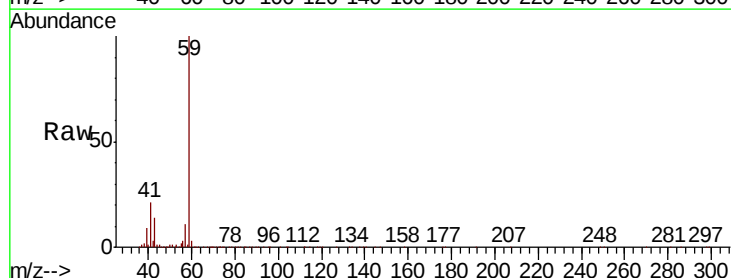


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

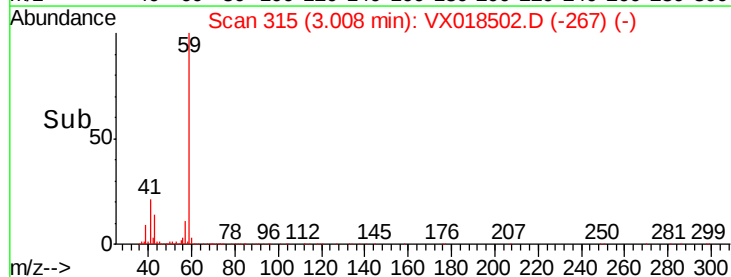
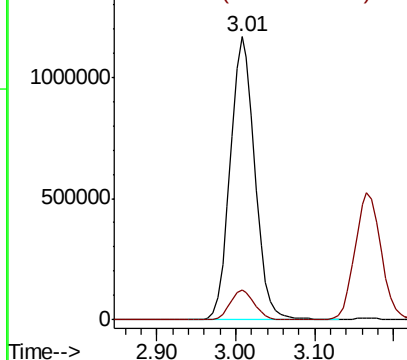


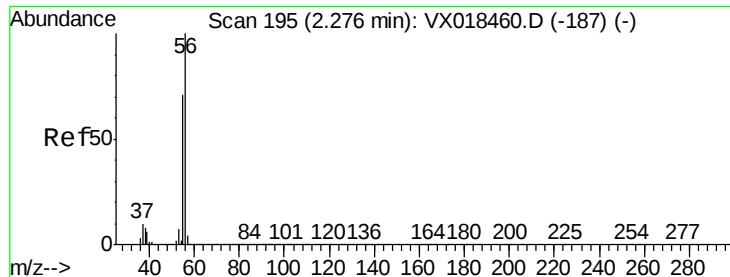
#11
Tert butyl alcohol
Concen: 2016.952 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018502.D
Acq: 18 Sep 2020 18:57

Tgt Ion: 59 Resp: 2529835
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4



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

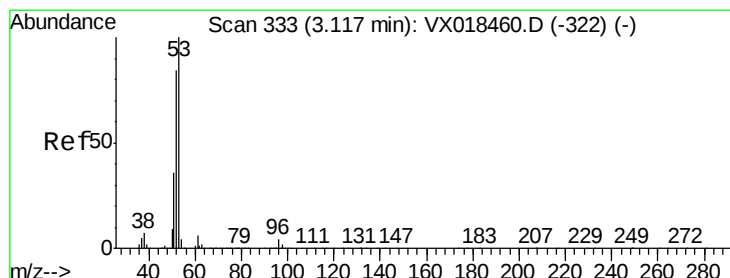
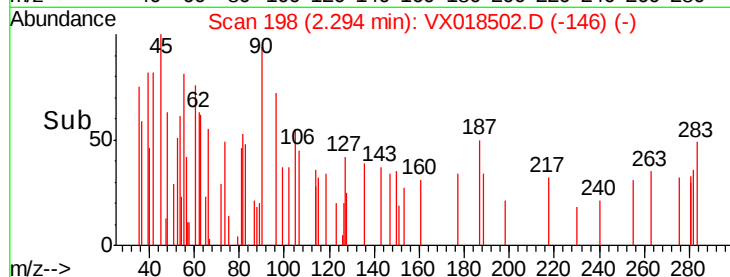
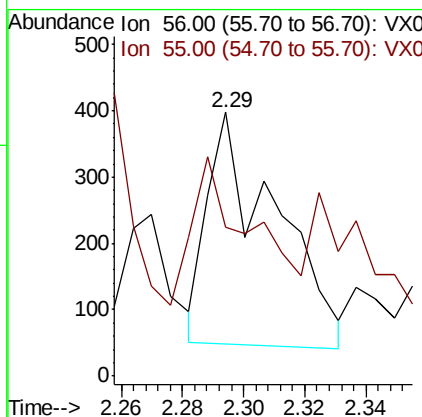
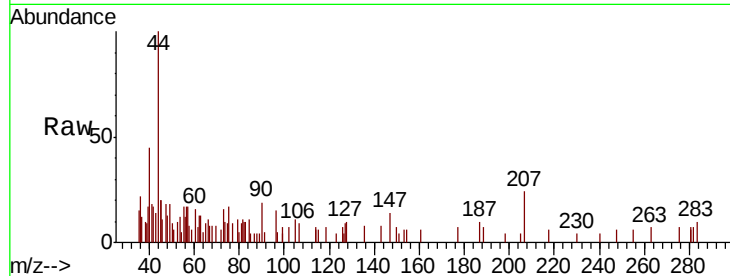




#13
Acrolein
Concen: 0.679 ug/l
RT: 2.29 min Scan# 198
Delta R.T. 0.02 min
Lab File: VX018502.D
Acq: 18 Sep 2020 18:57

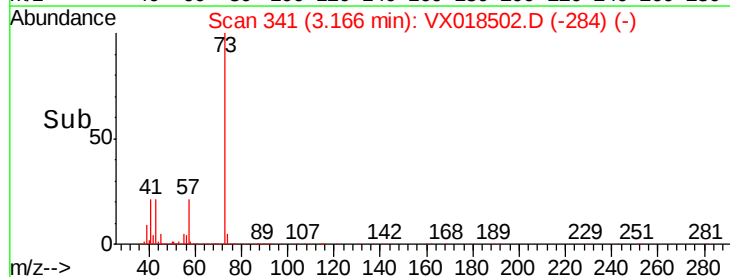
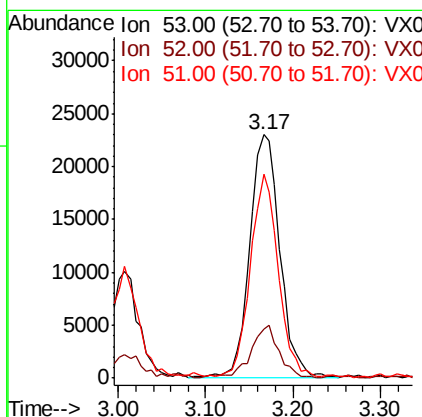
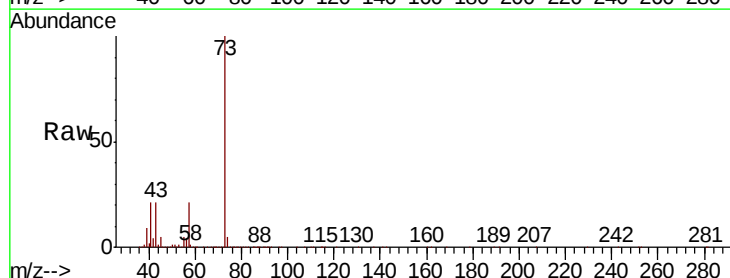
Instrument :
MSVOA_X
ClientSampleId :
MW-7

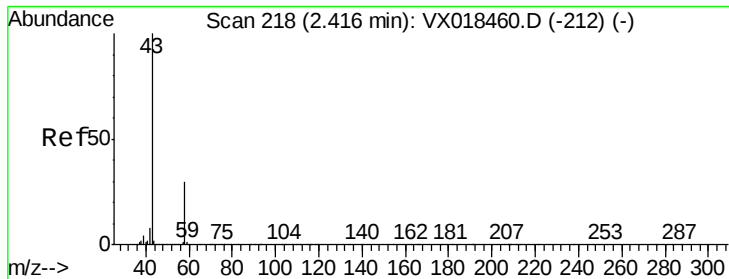
Tot Ion: 56 Resp: 539
Ion Ratio Lower Upper
56 100
55 60.1 58.2 87.4



#15
Acrylonitrile
Concen: 18.471 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.05 min
Lab File: VX018502.D
Acq: 18 Sep 2020 18:57

Tgt Ion: 53 Resp: 55279
Ion Ratio Lower Upper
53 100
52 20.7 65.8 98.8#
51 76.2 29.2 43.8#

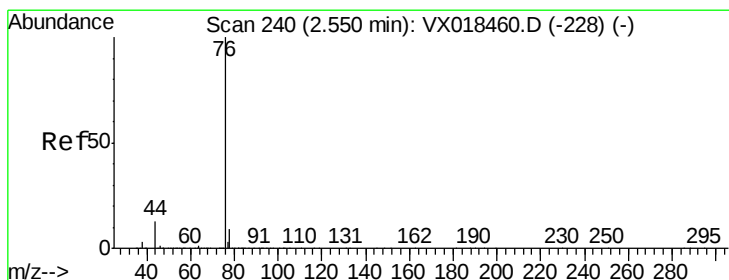
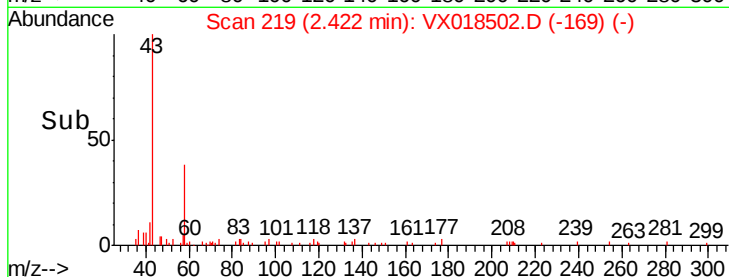
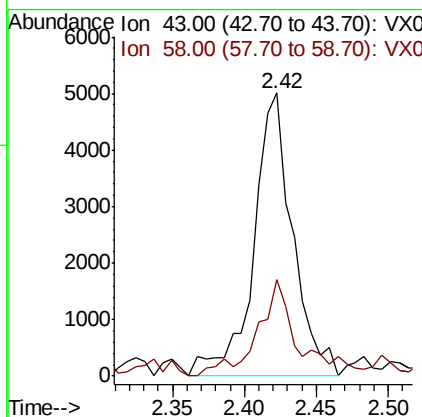
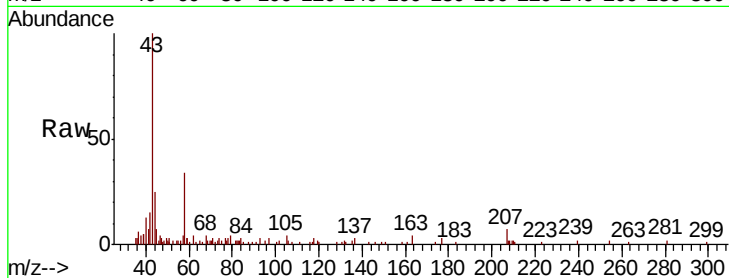




#16
Acetone
Concen: 3.412 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.01 min
Lab File: VX018502.D
Acq: 18 Sep 2020 18:57

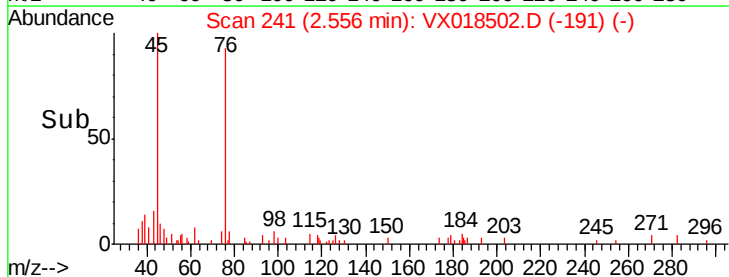
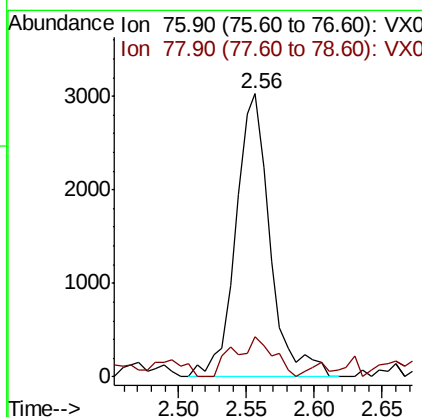
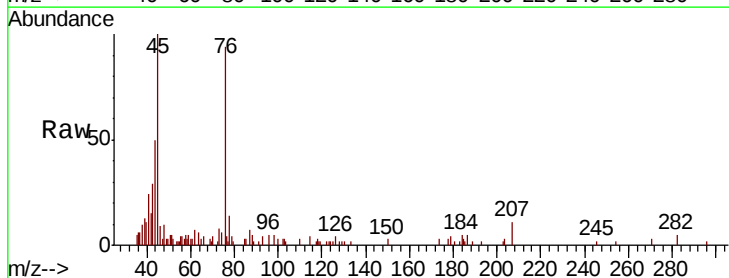
Instrument :
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ClientSampleId :
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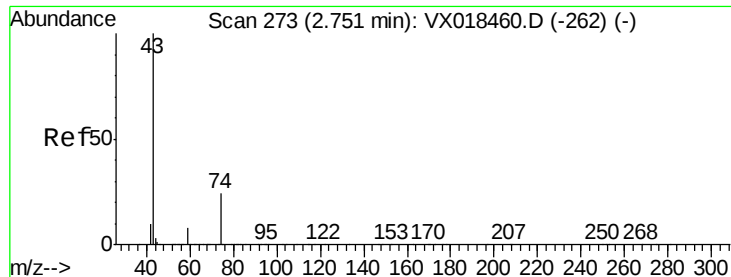
Tot Ion: 43 Resp: 9407
Ion Ratio Lower Upper
43 100
58 33.9 24.0 36.0



#17
Carbon Disulfide
Concen: 0.360 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX018502.D
Acq: 18 Sep 2020 18:57

Tgt Ion: 76 Resp: 5309
Ion Ratio Lower Upper
76 100
78 12.0 7.0 10.4#

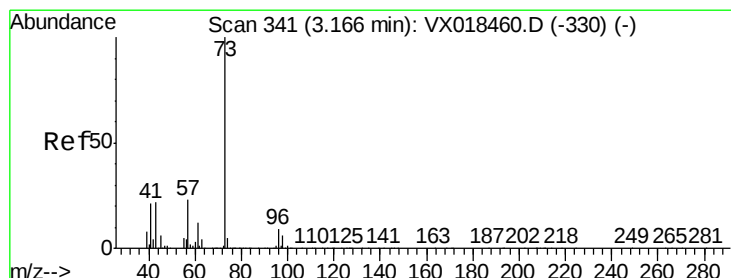
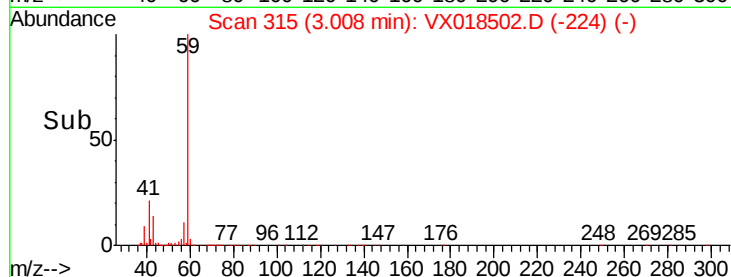
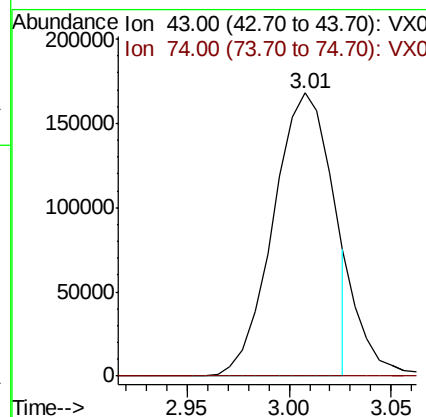
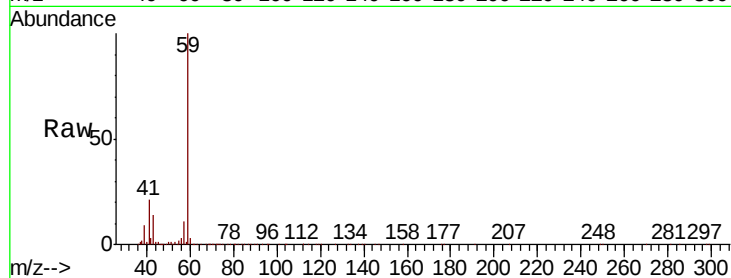




#18
Methyl Acetate
Concen: 49.615 ug/l
RT: 3.01 min Scan# 315
Delta R.T. 0.26 min
Lab File: VX018502.D
Acq: 18 Sep 2020 18:57

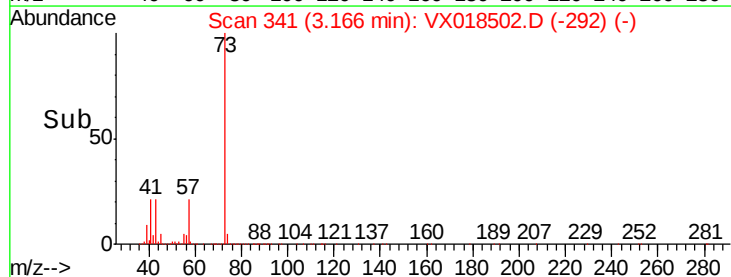
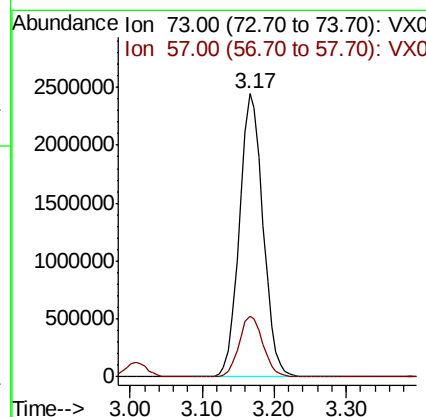
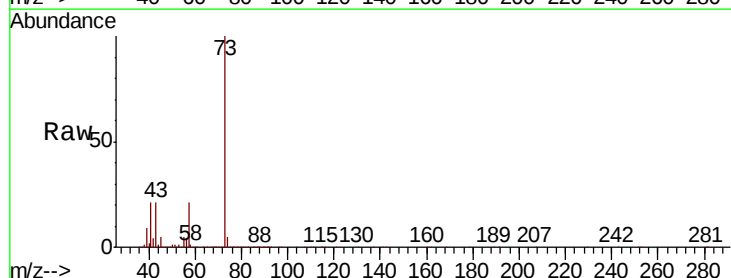
Instrument :
MSVOA_X
ClientSampleId :
MW-7

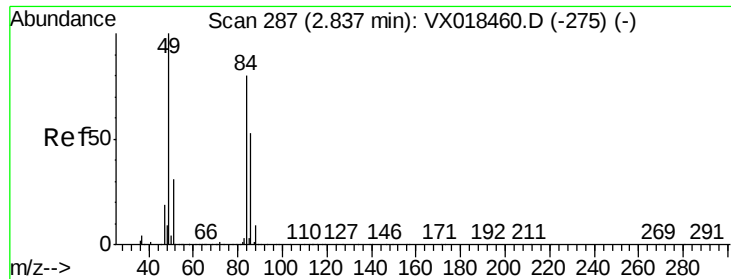
Tot Ion: 43 Resp: 338904
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#19
Methyl tert-butyl Ether
Concen: 321.458 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018502.D
Acq: 18 Sep 2020 18:57

Tgt Ion: 73 Resp: 5568764
Ion Ratio Lower Upper
73 100
57 21.5 18.0 27.0

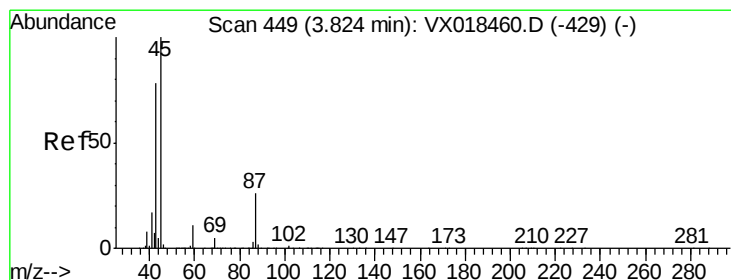
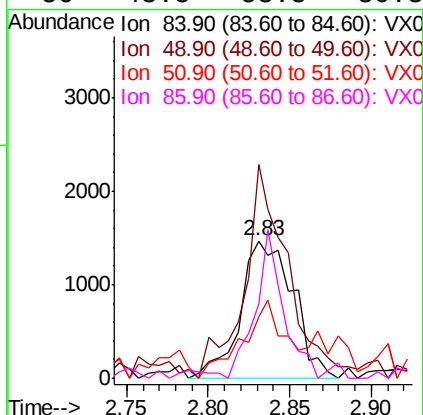
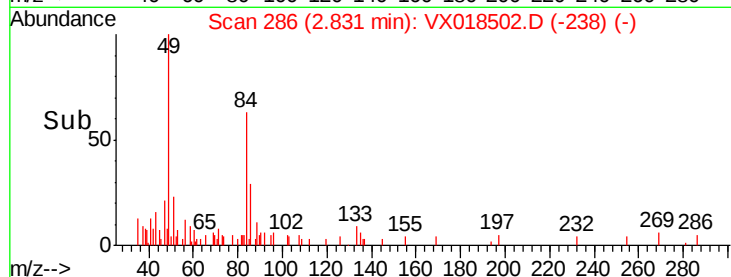
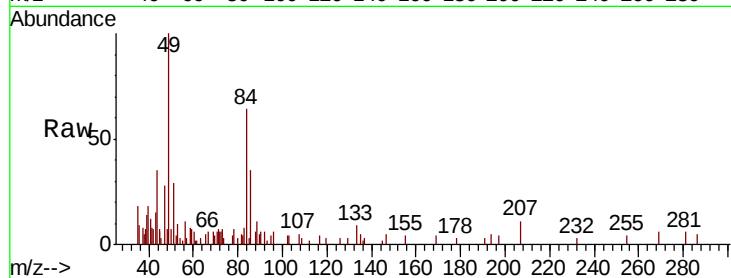




#20
Methvlene Chloride
Concen: 0.541 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018502.D
Acq: 18 Sep 2020 18:57

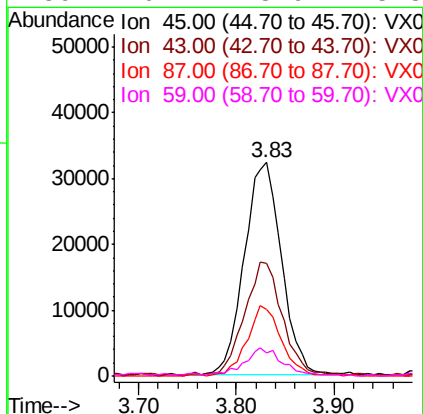
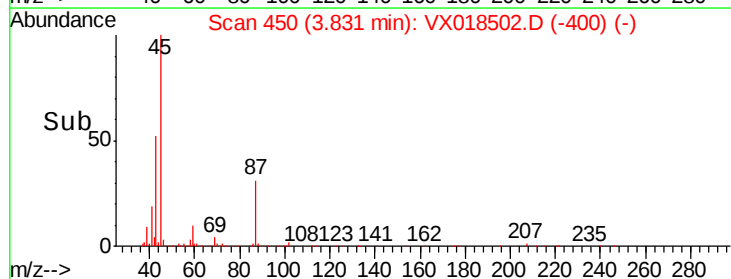
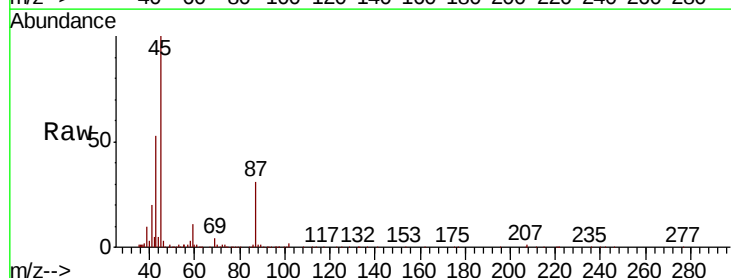
Instrument :
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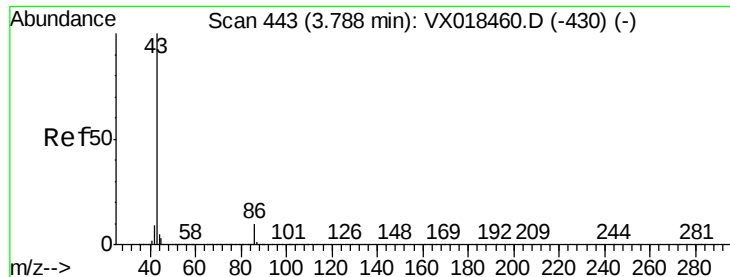
Tot Ion:	84	Resp:	3291
Ion	Ratio	Lower	Upper
84	100		
49	148.7	100.6	151.0
51	37.2	30.9	46.3
86	48.5	53.5	80.3#



#22
Diisopropyl ether
Concen: 4.790 ug/l
RT: 3.83 min Scan# 450
Delta R.T. 0.01 min
Lab File: VX018502.D
Acq: 18 Sep 2020 18:57

Tgt Ion:	45	Resp:	86100
Ion	Ratio	Lower	Upper
45	100		
43	52.3	62.4	93.6#
87	30.9	21.2	31.8
59	10.1	8.9	13.3





#23

Vinyl Acetate

Concen: 2.892 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.04 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

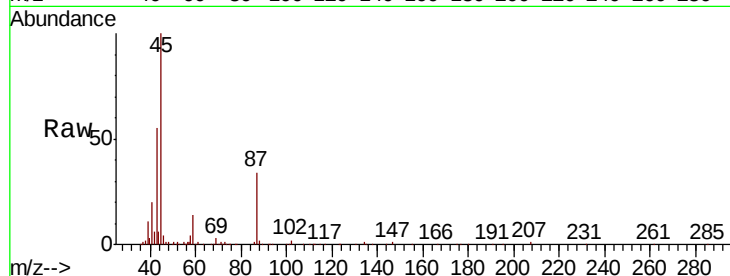
MW-7

Tot Ion: 43 Resp: 46065

Ion Ratio Lower Upper

43 100

86 1.0 8.1 12.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

20000

15000

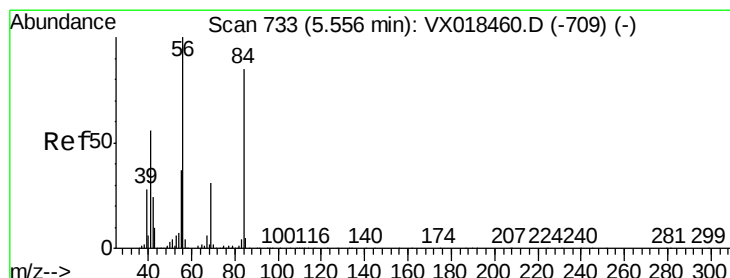
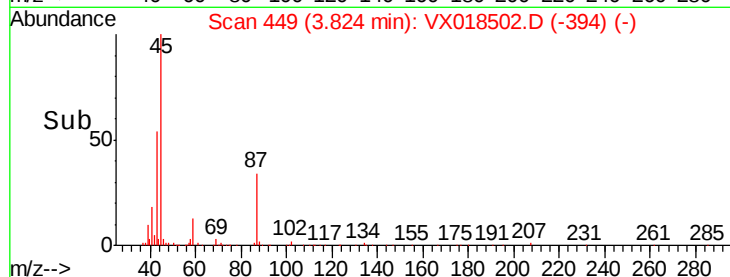
10000

5000

0

3.70 3.80 3.90

Time-->



#31

Cyclohexane

Concen: 1.341 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.07 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

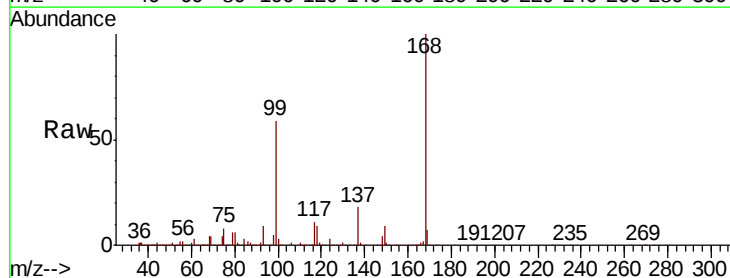
Tgt Ion: 56 Resp: 11698

Ion Ratio Lower Upper

56 100

69 163.9 24.8 37.2#

84 125.5 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

10000

8000

6000

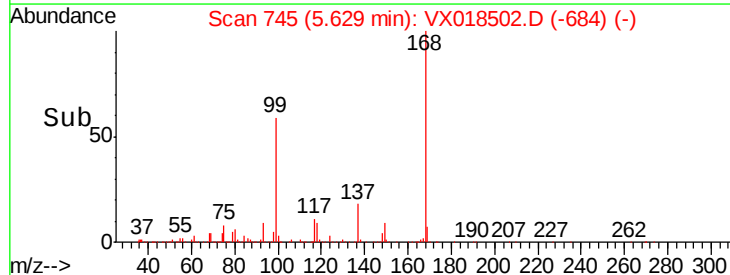
4000

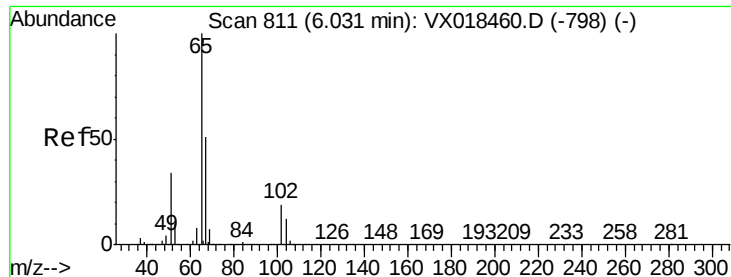
2000

0

5.50 5.60 5.70

Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.335 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

Instrument :

MSVOA_X

ClientSampled :

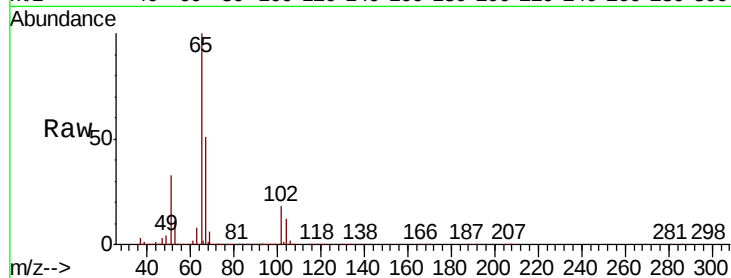
MW-7

Tot Ion: 65 Resp: 348437

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

150000

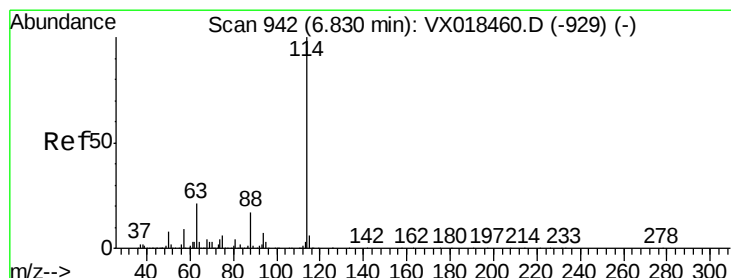
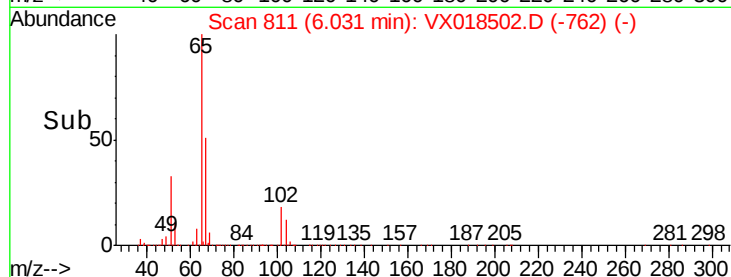
100000

50000

0

5.90 6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

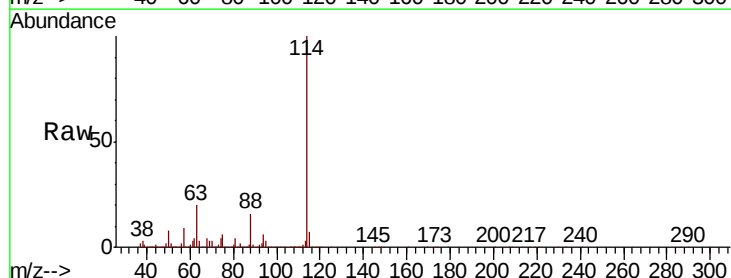
Tgt Ion: 114 Resp: 845490

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.8

88 15.5 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

500000

400000

300000

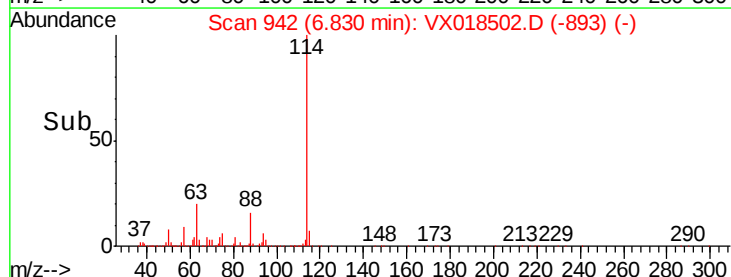
200000

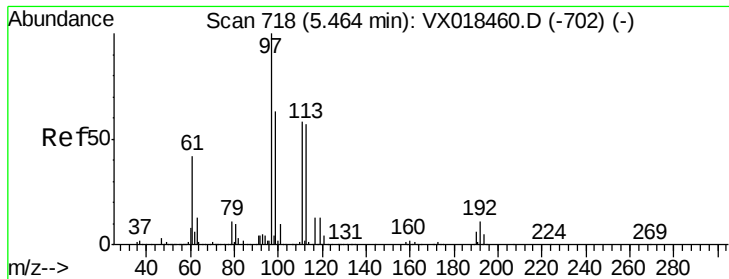
100000

0

6.70 6.80 6.90

Time-->





#35

Dibromofluoromethane

Concen: 47.032 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

MW-7

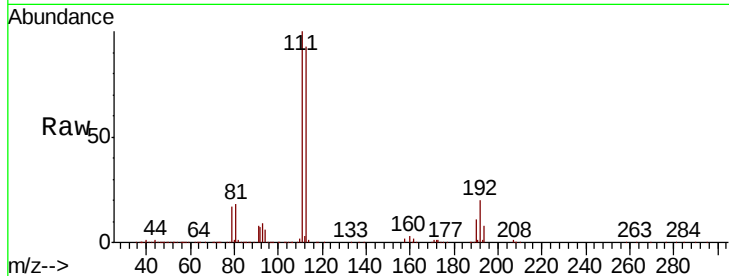
Tot Ion:113 Resp: 274905

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.2

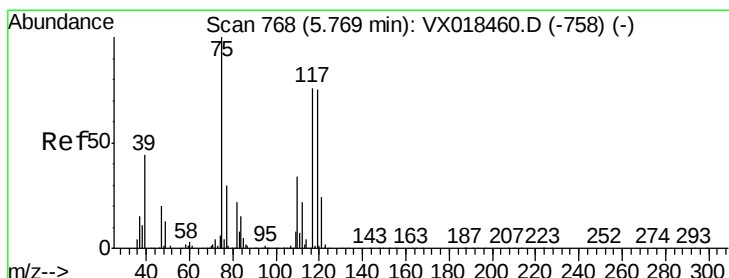
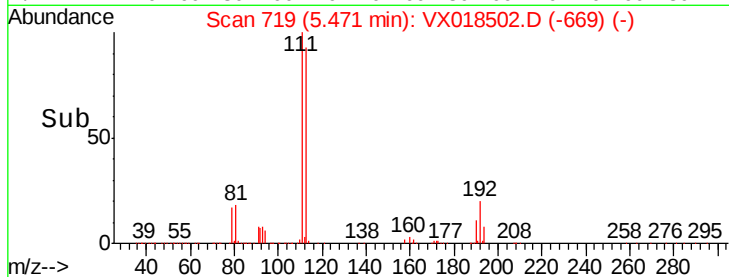
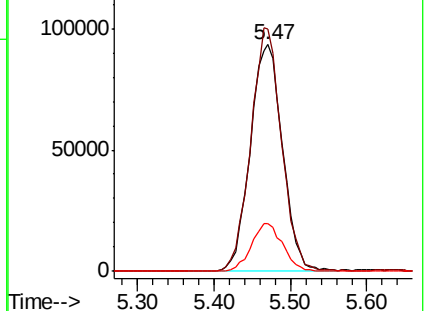
192 20.6 16.6 24.8



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: 4.822 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

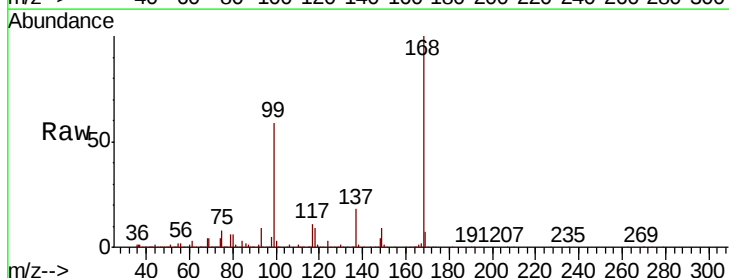
Tgt Ion: 75 Resp: 39575

Ion Ratio Lower Upper

75 100

110 11.3 17.6 52.8#

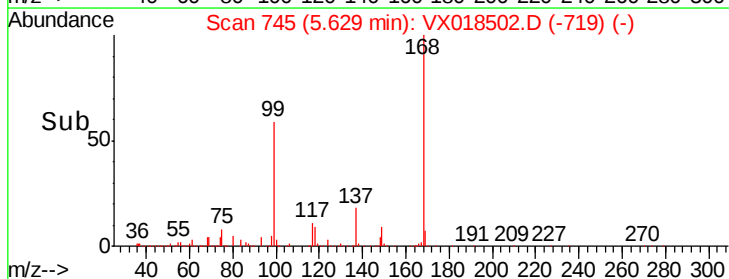
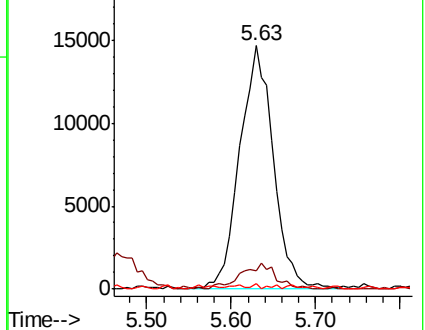
77 0.3 25.0 37.6#

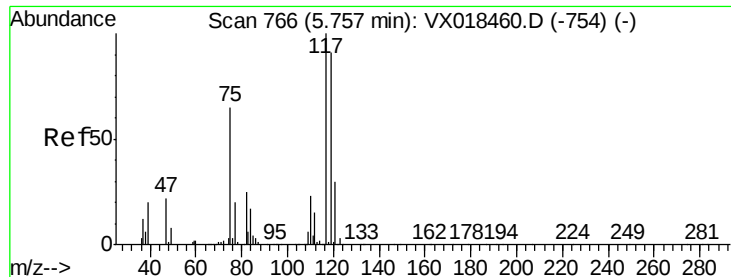


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.872 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

MW-7

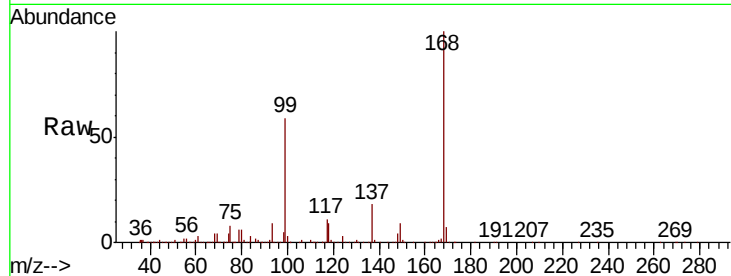
Tot Ion:117 Resp: 53369

Ion Ratio Lower Upper

117 100

119 6.4 72.3 108.5#

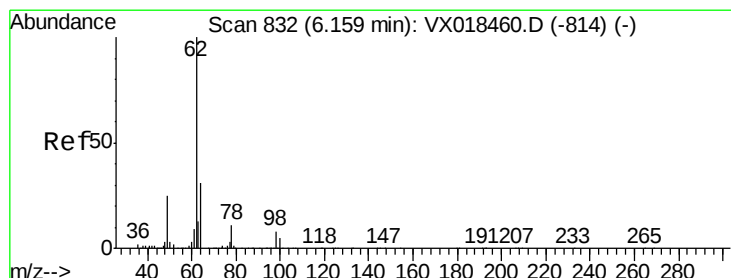
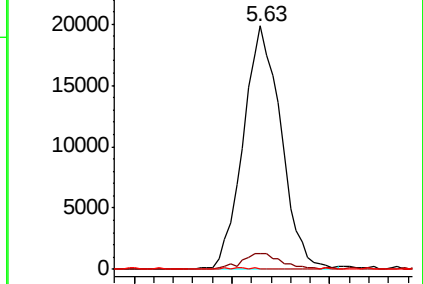
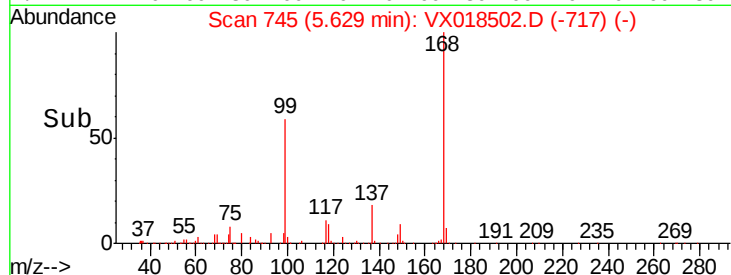
121 0.0 23.8 35.8#



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



#42

1,2-Dichloroethane

Concen: 0.790 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX018502.D

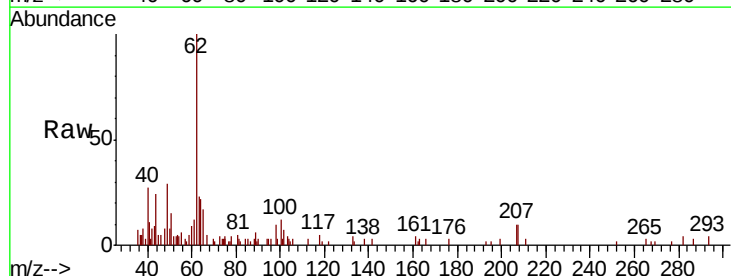
Acq: 18 Sep 2020 18:57

Tgt Ion: 62 Resp: 7232

Ion Ratio Lower Upper

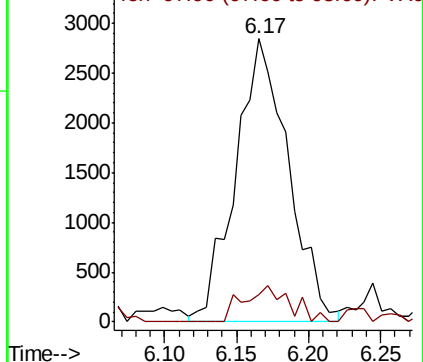
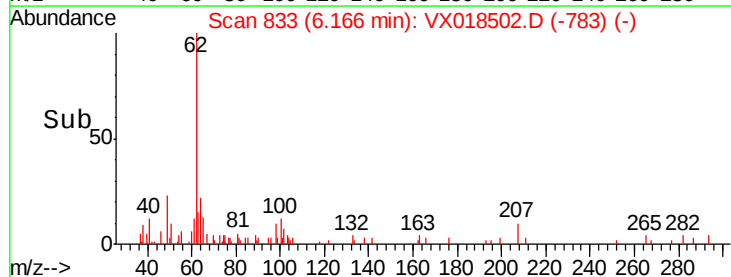
62 100

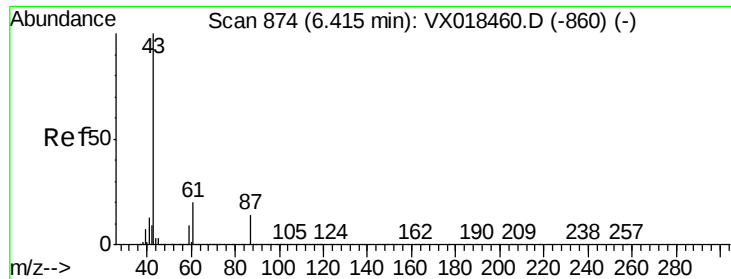
98 11.3 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 0.487 ug/l

RT: 6.40 min Scan# 871

Delta R.T. -0.02 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

Instrument :

MSVOA_X

ClientSampled :

MW-7

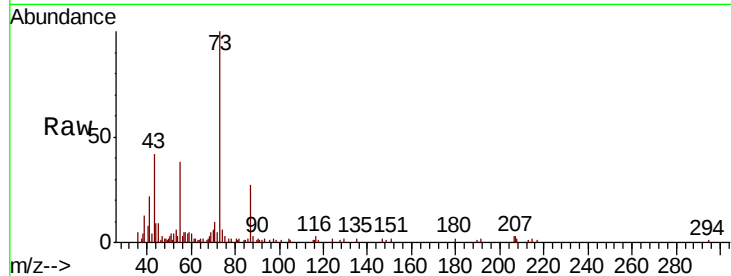
Tot Ion: 43 Resp: 7081

Ion Ratio Lower Upper

43 100

61 0.0 15.7 23.5#

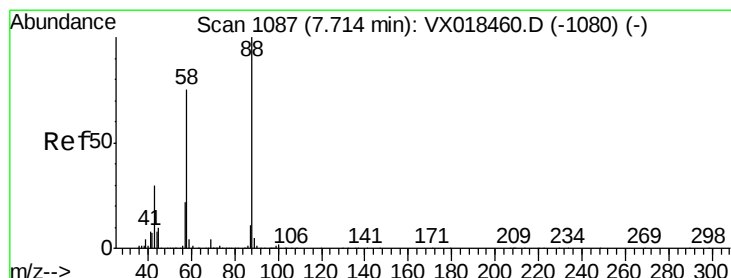
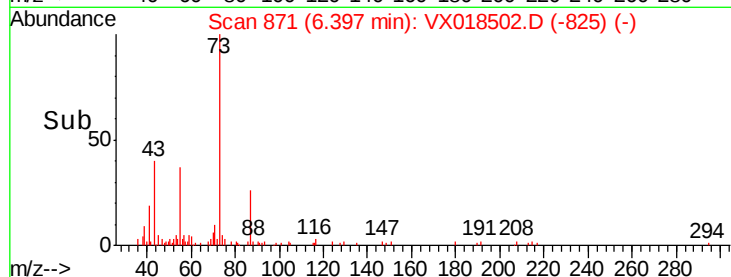
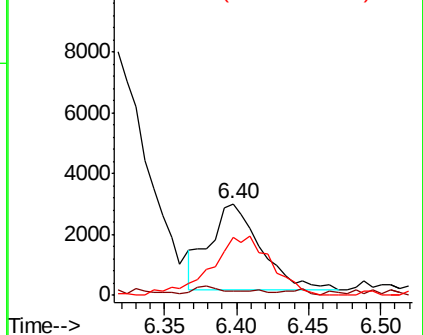
87 79.7 10.4 15.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#49

1,4-Dioxane

Concen: 0.222 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

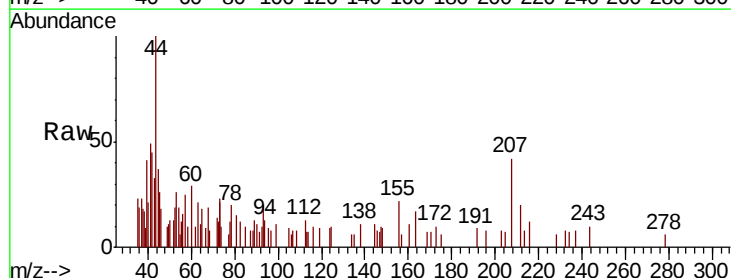
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

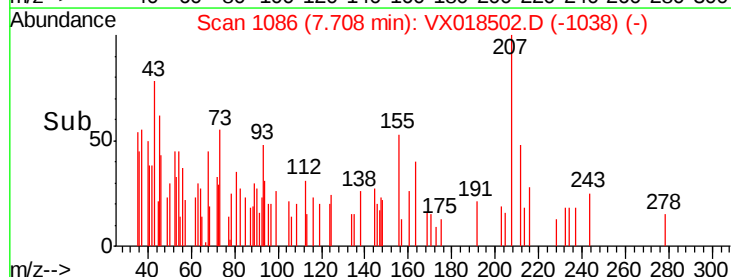
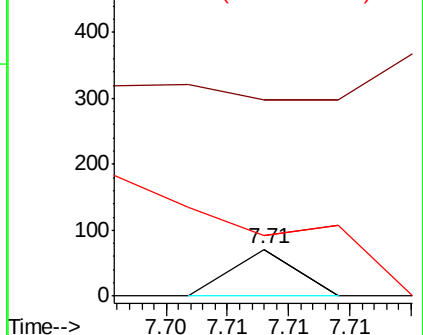
58 0.0 59.0 88.6#

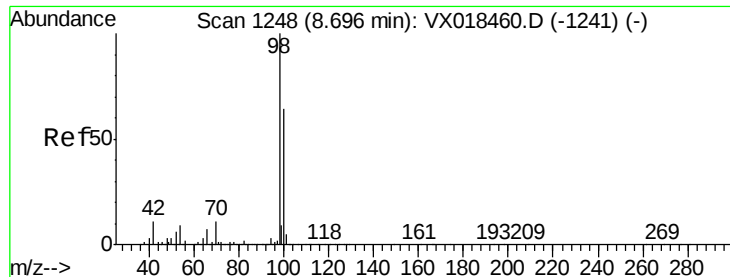


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.937 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

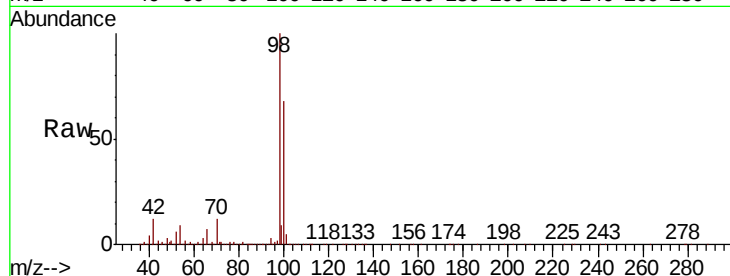
MW-7

Tot Ion: 98 Resp: 1018040

Ion Ratio Lower Upper

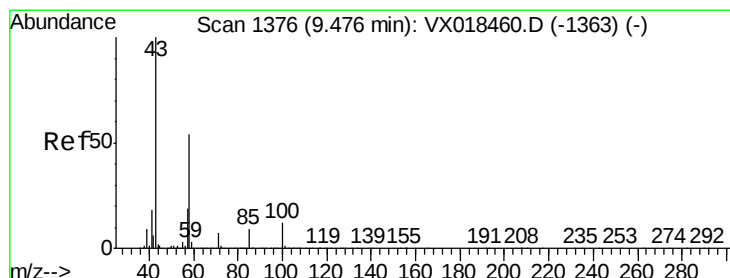
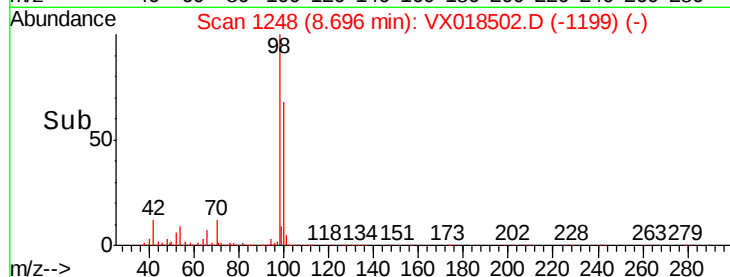
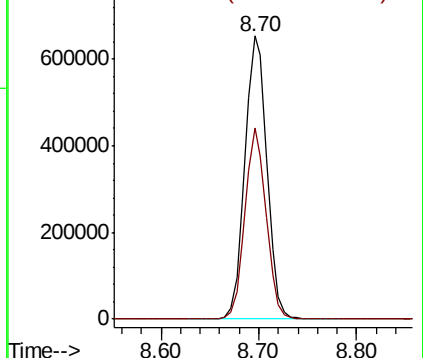
98 100

100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#59

2-Hexanone

Concen: 0.301 ug/l

RT: 9.49 min Scan# 1378

Delta R.T. 0.01 min

Lab File: VX018502.D

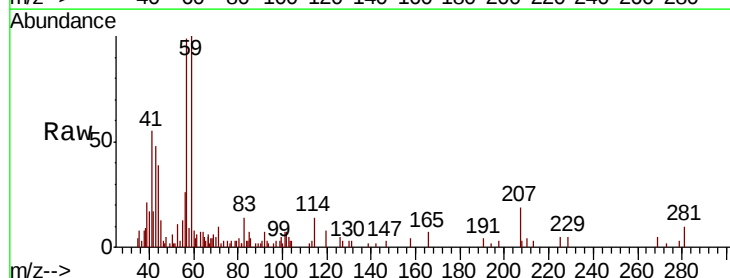
Acq: 18 Sep 2020 18:57

Tgt Ion: 43 Resp: 1980

Ion Ratio Lower Upper

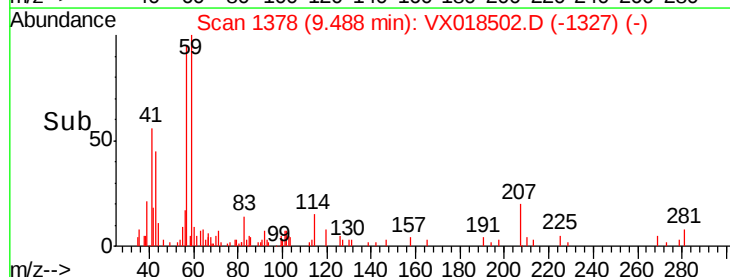
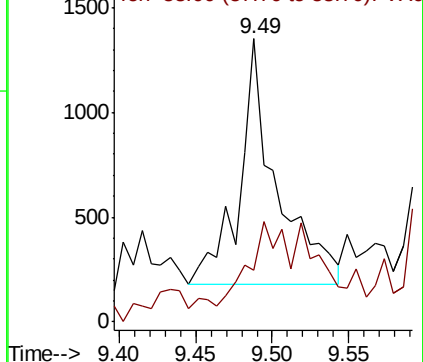
43 100

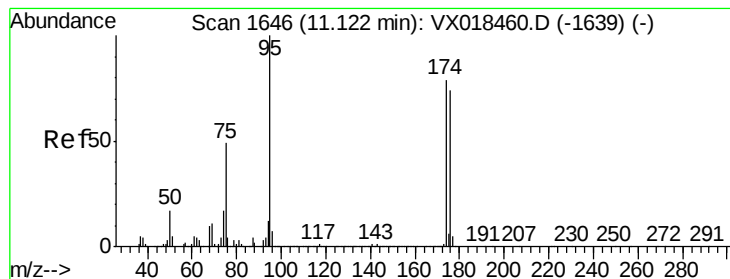
58 32.7 26.5 79.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.872 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

MW-7

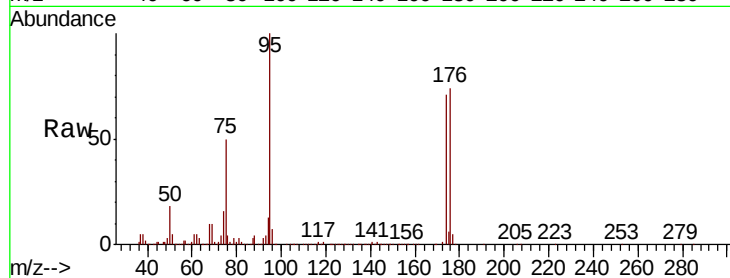
Tot Ion: 95 Resp: 395949

Ion Ratio Lower Upper

95 100

174 77.8 0.0 161.4

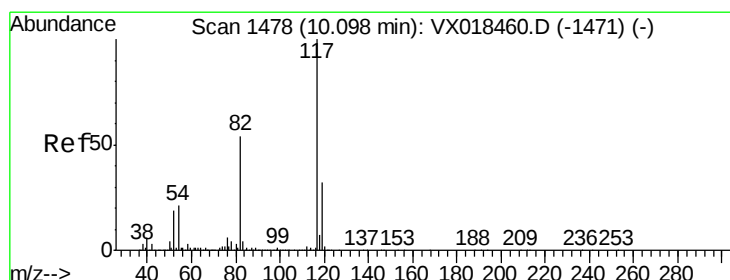
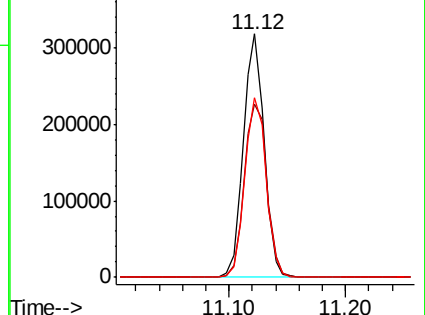
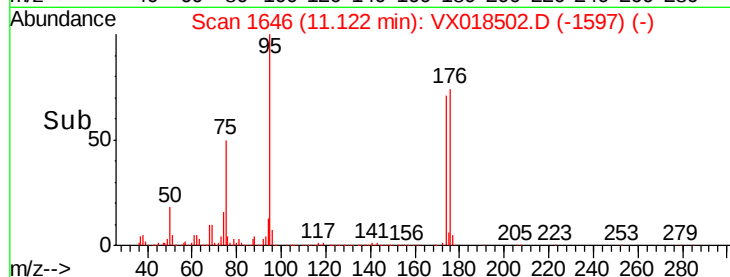
176 76.0 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX018502.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018502.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018502.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

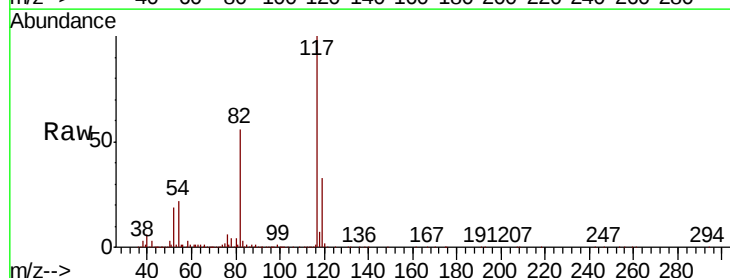
Tgt Ion: 117 Resp: 803944

Ion Ratio Lower Upper

117 100

82 55.9 43.3 64.9

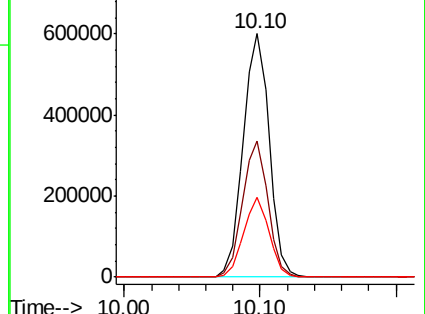
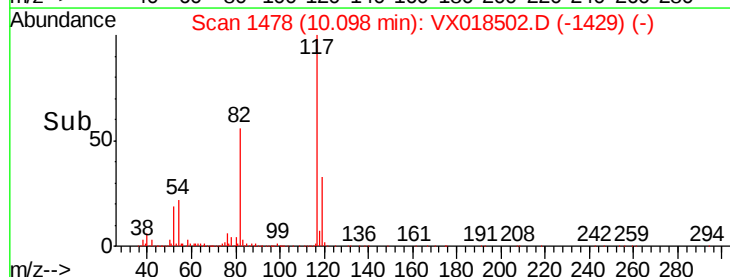
119 32.8 25.9 38.9

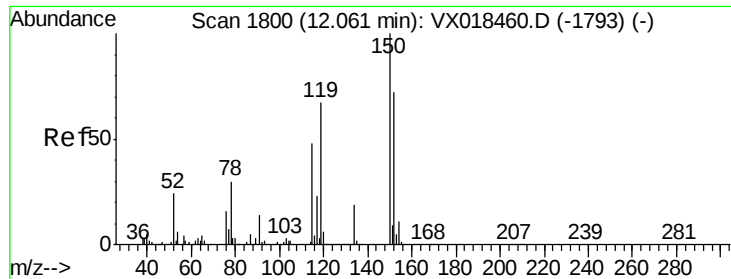


Abundance Ion 116.90 (116.60 to 117.60): VX018502.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018502.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018502.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

MW-7

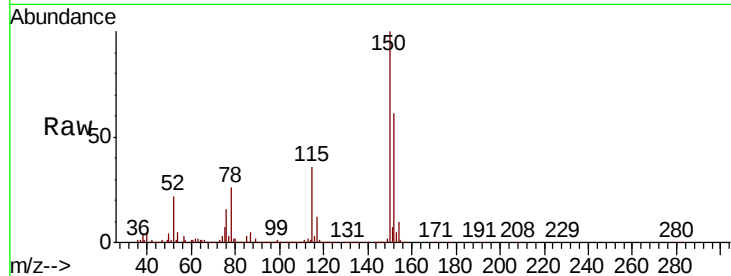
Tot Ion:152 Resp: 395197

Ion Ratio Lower Upper

152 100

115 60.0 41.8 125.4

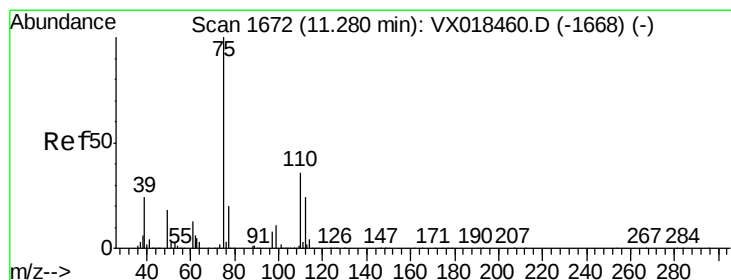
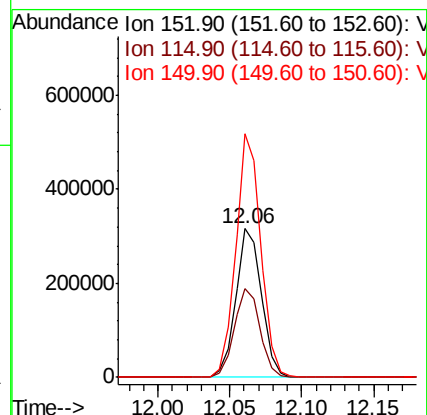
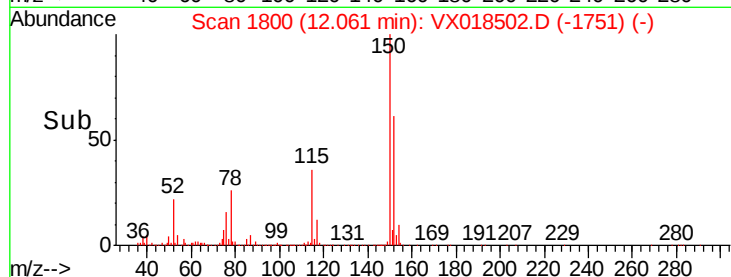
150 159.7 0.0 342.4



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: 23.539 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018502.D

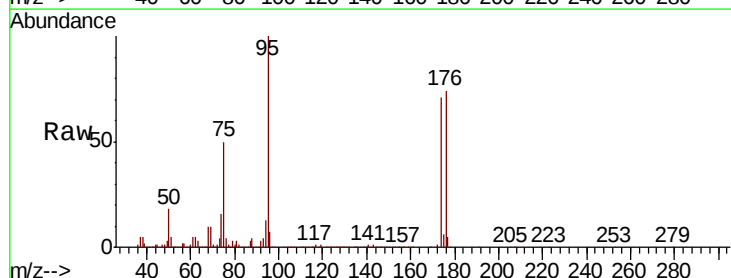
Acq: 18 Sep 2020 18:57

Tgt Ion: 75 Resp: 195490

Ion Ratio Lower Upper

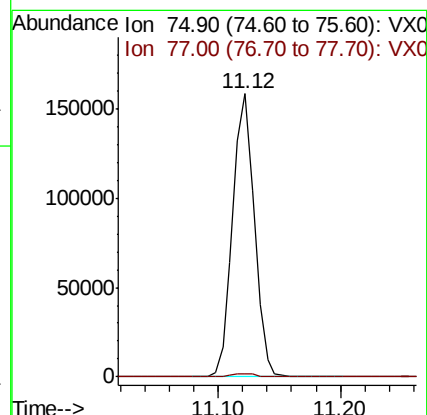
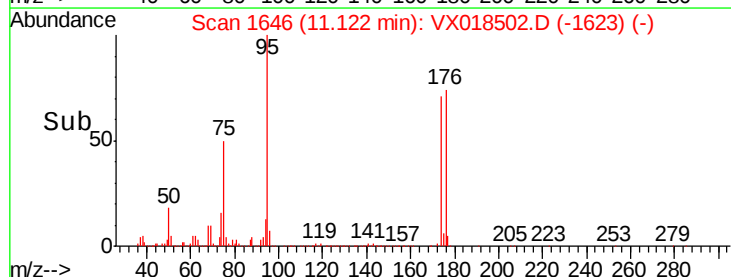
75 100

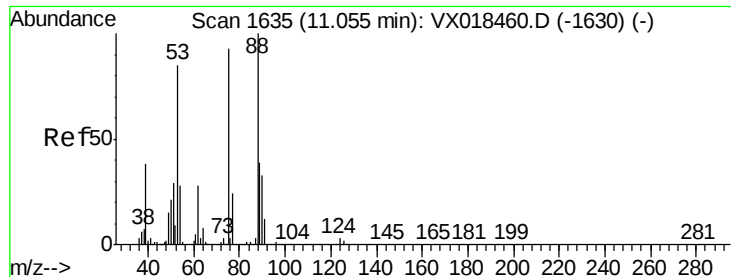
77 1.5 20.9 62.7#



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: 60.319 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018502.D

Acq: 18 Sep 2020 18:57

Instrument :

MSVOA_X

ClientSampleId :

MW-7

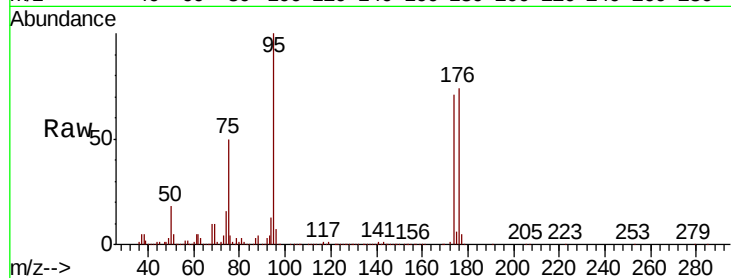
Tot Ion: 75 Resp: 195490

Ion Ratio Lower Upper

75 100

53 0.6 74.6 111.8#

89 0.0 36.2 54.4#



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

