

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092420\
 Data File : VX018575.D
 Acq On : 24 Sep 2020 16:17
 Operator : JC/SP
 Sample : L4118-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D1-20200919

Quant Time: Sep 25 01:07:35 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	441338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	728522	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	695360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	336806	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	321812	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
35) Dibromofluoromethane	5.47	113	256117	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	8.70	98	881807	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.12	95	328372	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	

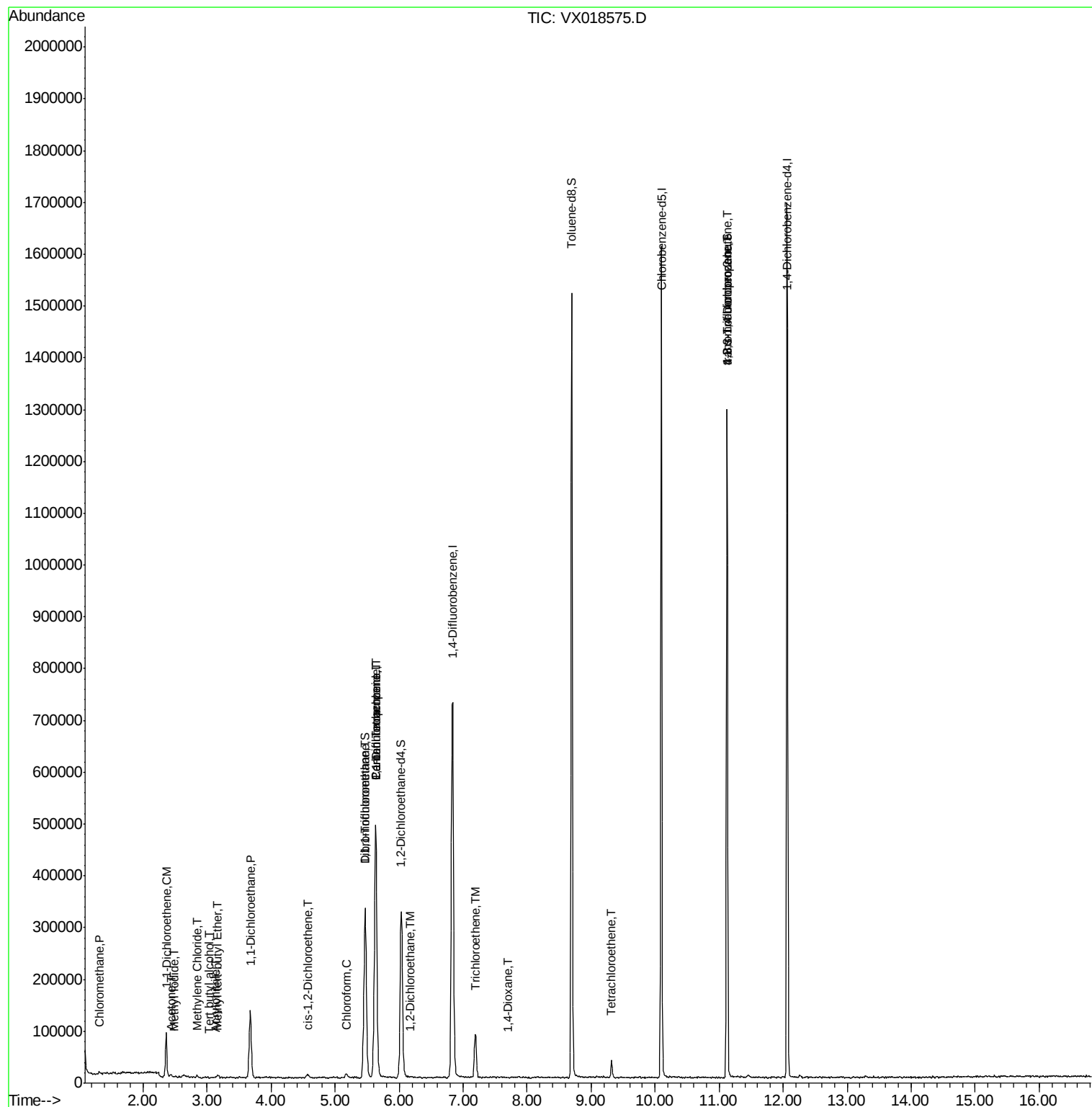
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2131	0.435	ug/l #	87
10) Methyl Iodide	2.49	142	61	4.925	ug/l #	1
11) Tert butyl alcohol	3.03	59	488	0.449	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	28721	6.720	ug/l #	77
15) Acrylonitrile	3.13	53	639	0.247	ug/l #	28
16) Acetone	2.44	43	7086	2.968	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	5201	0.347	ug/l	98
20) Methylene Chloride	2.84	84	1981	0.376	ug/l #	61
24) 1,1-Dichloroethane	3.67	63	144131	16.053	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	4240	0.762	ug/l	82
30) Chloroform	5.18	83	9201	1.010	ug/l #	68
32) 1,1,1-Trichloroethane	5.48	97	24231	2.835	ug/l	94
36) 1,1-Dichloropropene	5.63	75	37119	5.249	ug/l #	52
38) Carbon Tetrachloride	5.64	117	46863	5.984	ug/l #	17
42) 1,2-Dichloroethane	6.18	62	1906	0.242	ug/l	82
44) Trichloroethene	7.20	130	33546	5.718	ug/l	87
49) 1,4-Dioxane	7.70	88	326	3.235	ug/l #	1
64) Tetrachloroethene	9.32	164	6106	1.115	ug/l	94
76) 1,2,3-Trichloropropane	11.12	75	173333	24.490	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	173333	62.755	ug/l #	12

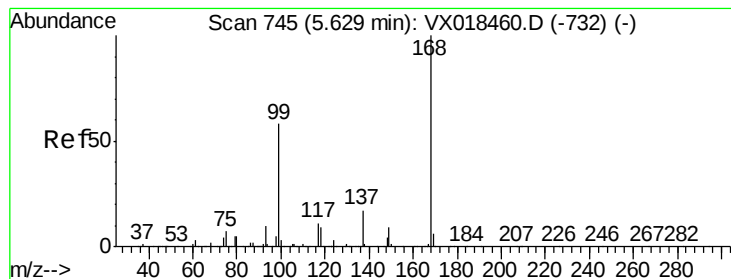
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

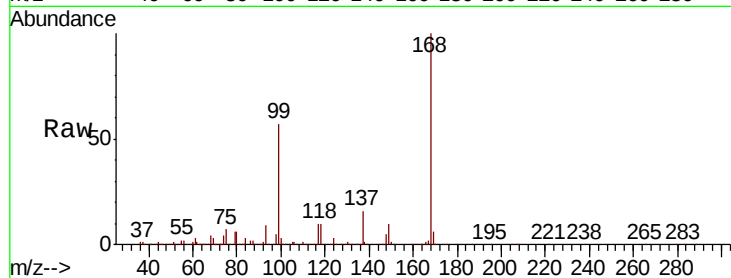
MW203D1-20200919

Tot Ion:168 Resp: 441338

Ion Ratio Lower Upper

168 100

99 56.8 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

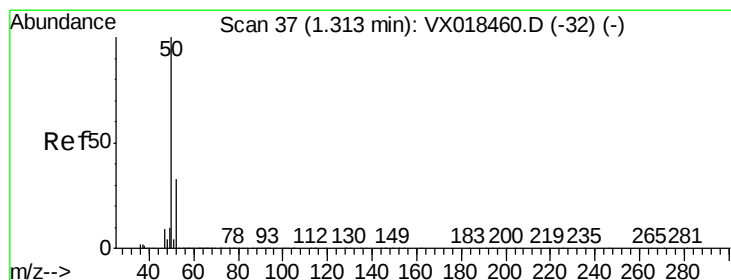
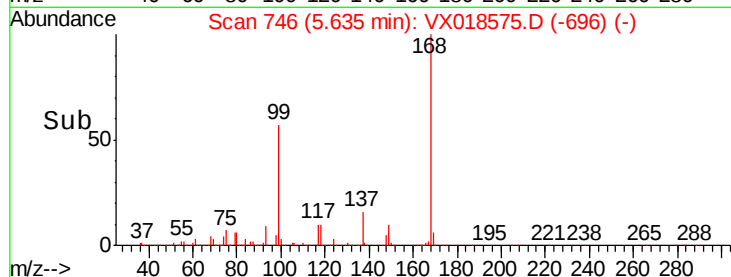
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.435 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018575.D

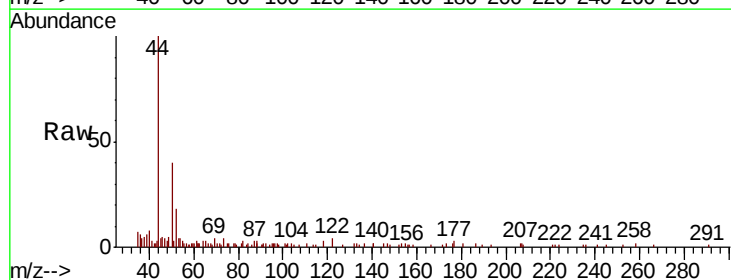
Acq: 24 Sep 2020 16:17

Tgt Ion: 50 Resp: 2131

Ion Ratio Lower Upper

50 100

52 40.9 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2500

2000

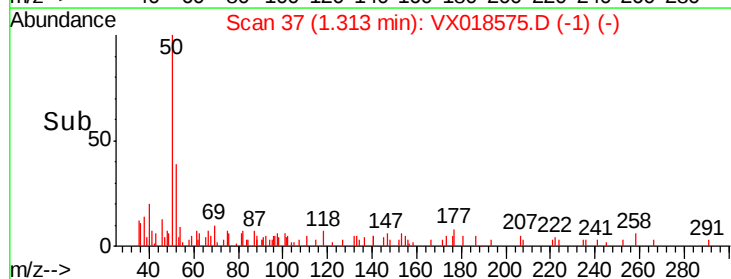
1500

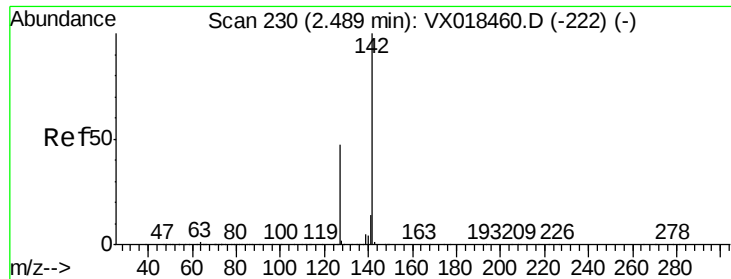
1000

500

0

Time-->

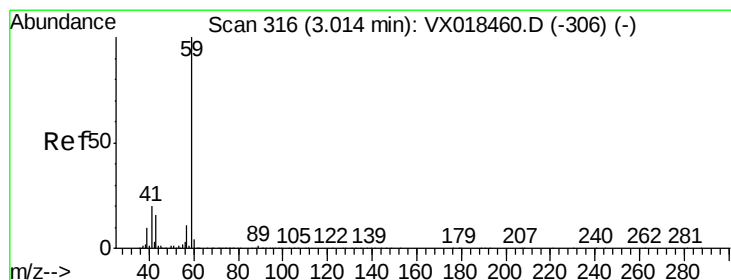
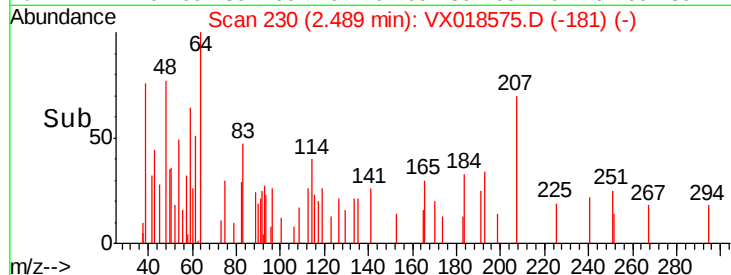
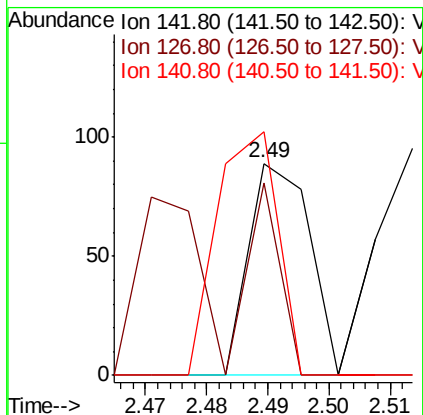
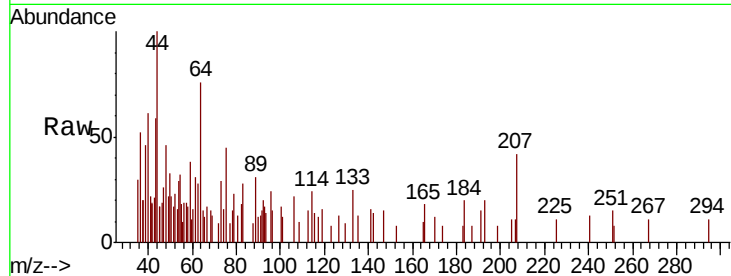




#10
Methyl Iodide
Concen: 4.925 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018575.D
Acq: 24 Sep 2020 16:17

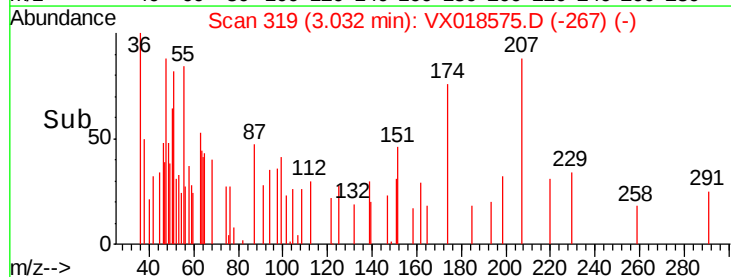
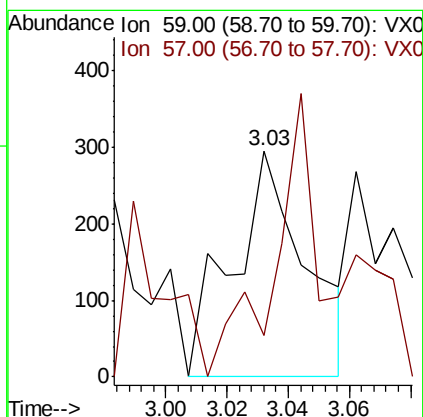
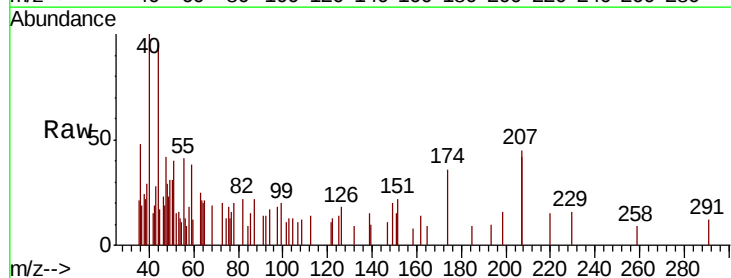
Instrument :
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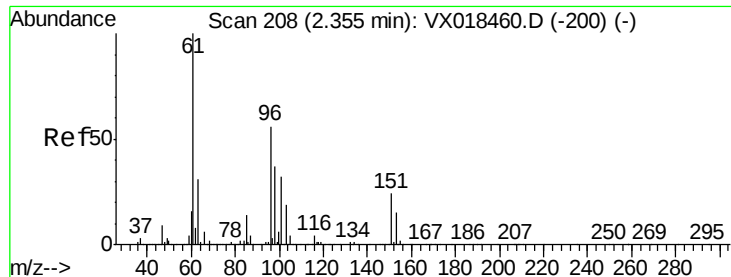
Tot Ion:142 Resp: 61
Ion Ratio Lower Upper
142 100
127 86.9 36.0 54.0#
141 114.8 11.9 17.9#



#11
Tert butyl alcohol
Concen: 0.449 ug/l
RT: 3.03 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX018575.D
Acq: 24 Sep 2020 16:17

Tgt Ion: 59 Resp: 488
Ion Ratio Lower Upper
59 100
57 73.8 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 6.720 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20200919

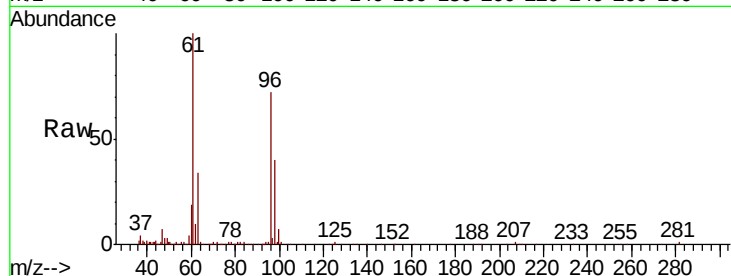
Tot Ion: 96 Resp: 28721

Ion Ratio Lower Upper

96 100

61 139.3 142.2 213.4#

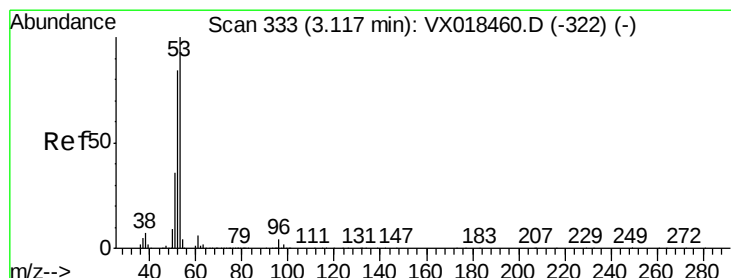
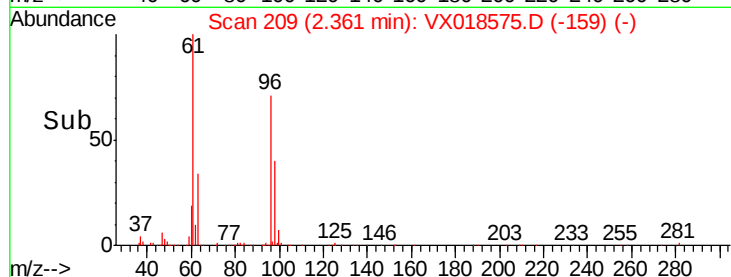
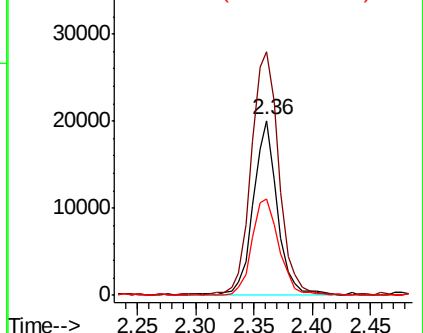
98 55.5 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#15

Acrylonitrile

Concen: 0.247 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

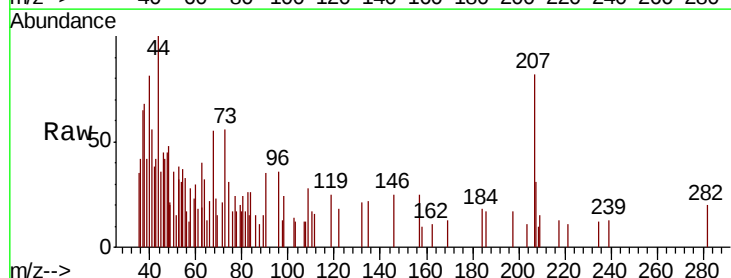
Tgt Ion: 53 Resp: 639

Ion Ratio Lower Upper

53 100

52 0.0 65.8 98.8#

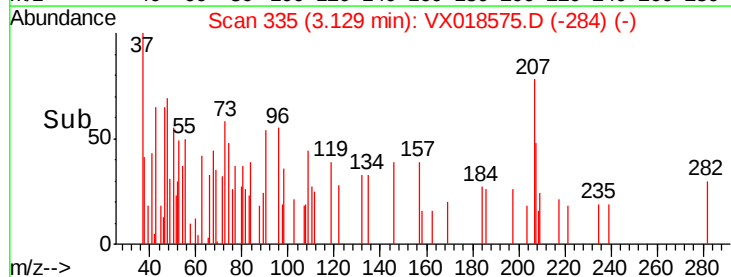
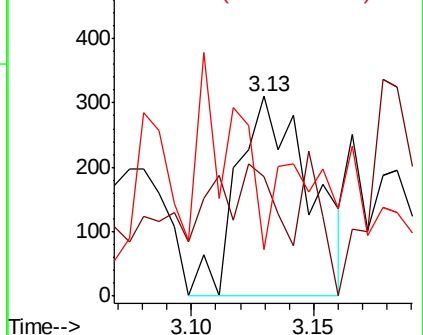
51 20.2 29.2 43.8#

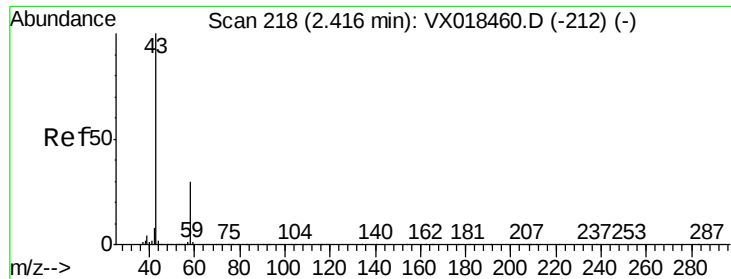


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

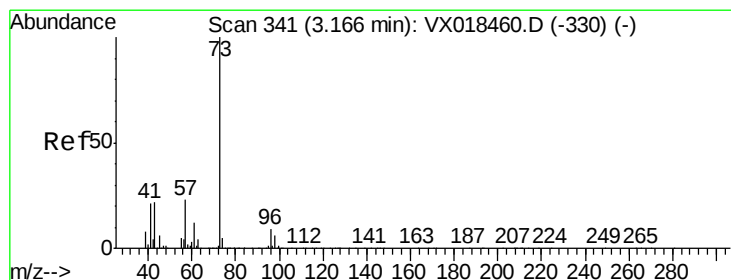
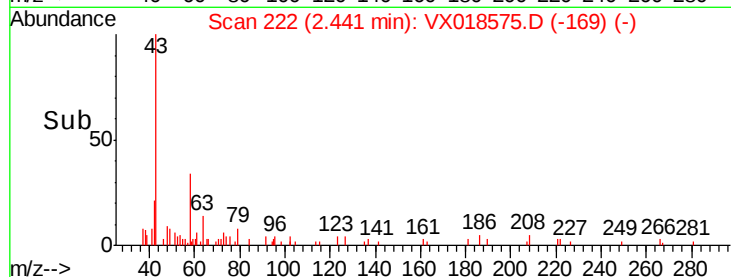
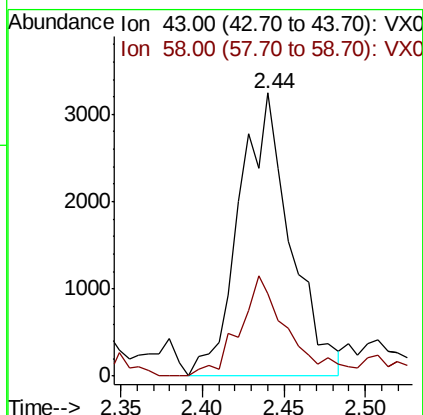
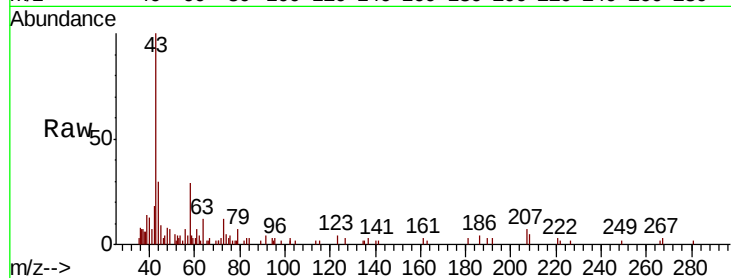




#16
Acetone
Concen: 2.968 ug/l
RT: 2.44 min Scan# 222
Delta R.T. 0.02 min
Lab File: VX018575.D
Acq: 24 Sep 2020 16:17

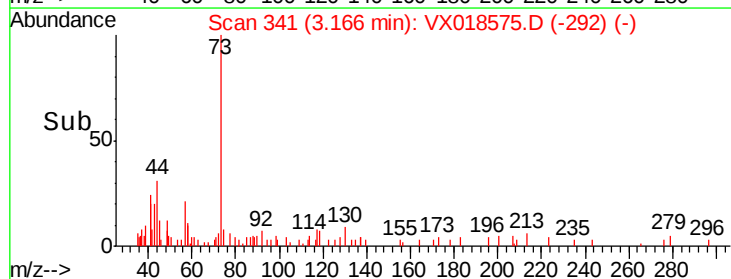
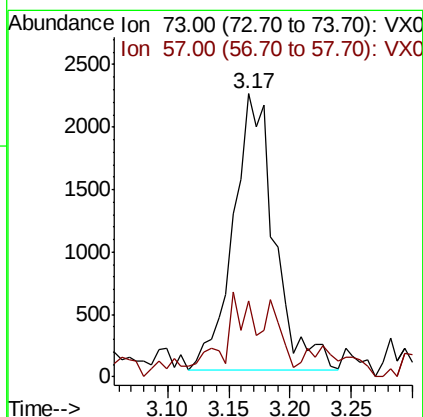
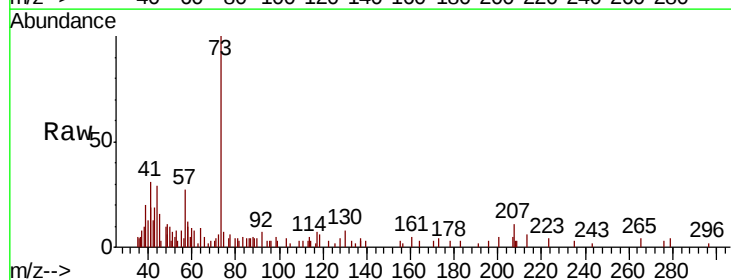
Instrument :
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ClientSampleId :
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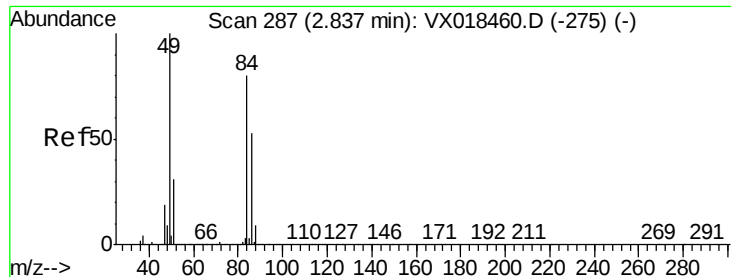
Tot Ion: 43 Resp: 7086
Ion Ratio Lower Upper
43 100
58 29.3 24.0 36.0



#19
Methyl tert-butyl Ether
Concen: 0.347 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX018575.D
Acq: 24 Sep 2020 16:17

Tgt Ion: 73 Resp: 5201
Ion Ratio Lower Upper
73 100
57 23.5 18.0 27.0

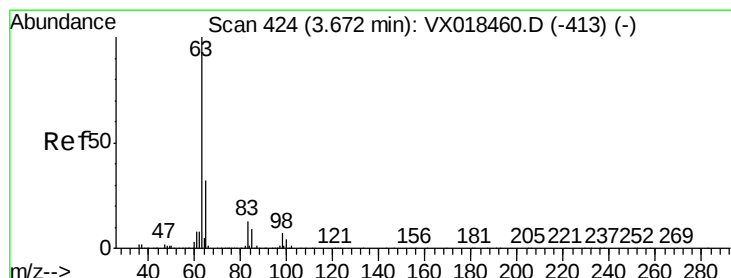
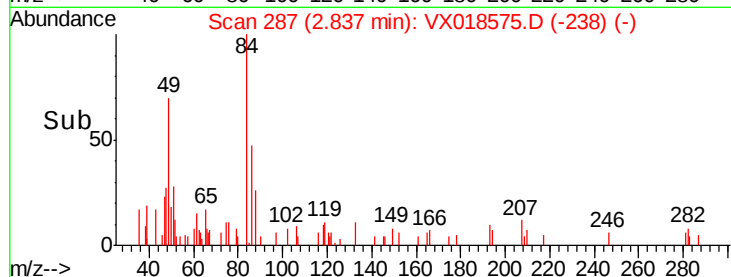
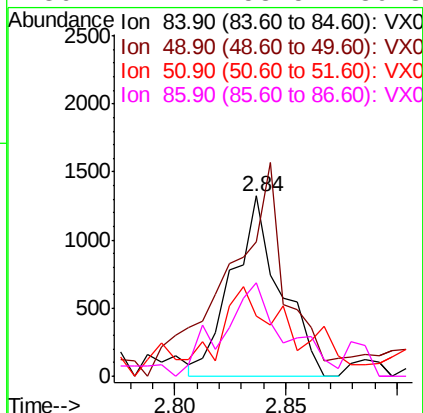
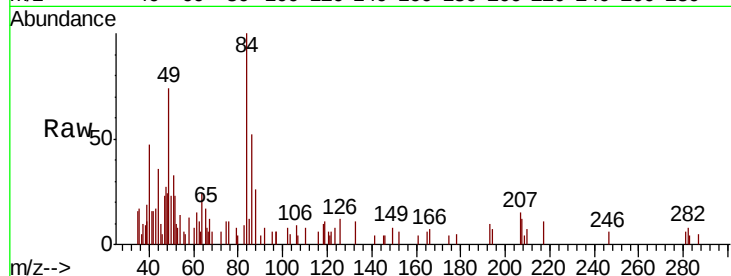




#20
Methvlene Chloride
Concen: 0.376 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX018575.D
Acq: 24 Sep 2020 16:17

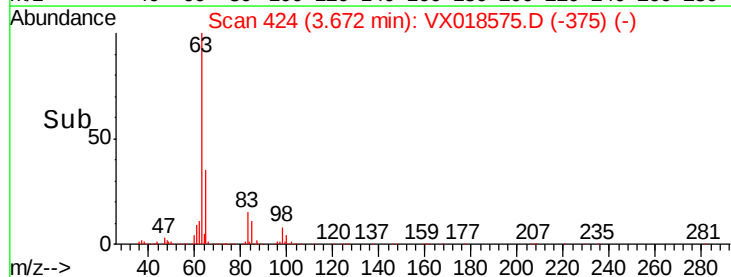
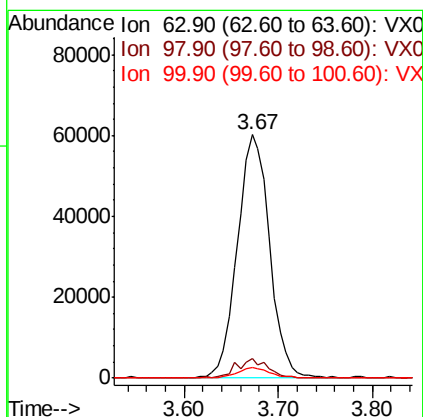
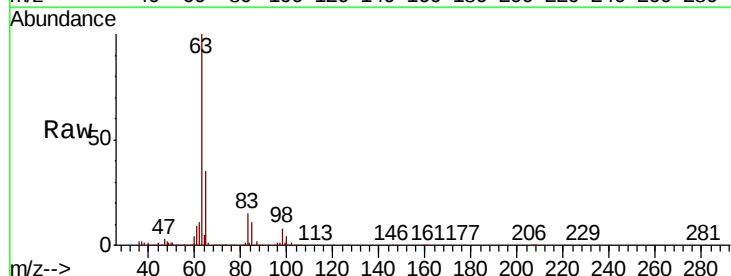
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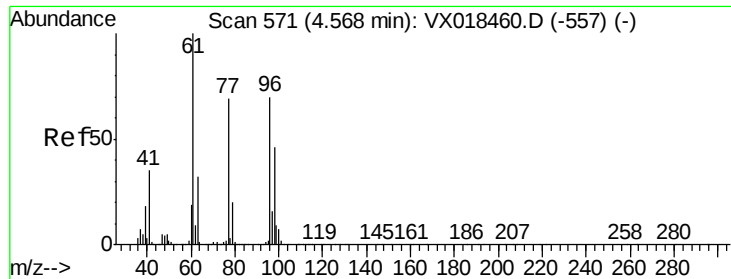
Tot Ion:	84	Resp:	1981
Ion	Ratio	Lower	Upper
84	100		
49	64.1	100.6	151.0#
51	47.4	30.9	46.3#
86	47.2	53.5	80.3#



#24
1,1-Dichloroethane
Concen: 16.053 ug/l
RT: 3.67 min Scan# 424
Delta R.T. -0.00 min
Lab File: VX018575.D
Acq: 24 Sep 2020 16:17

Tgt Ion:	63	Resp:	144131
Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.6
100	4.4	1.9	5.7



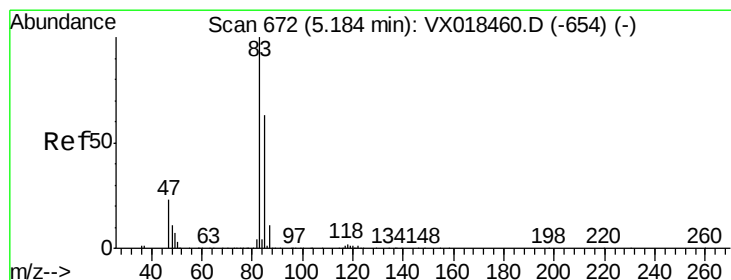
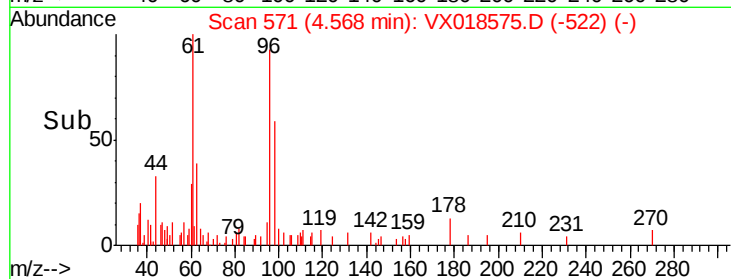
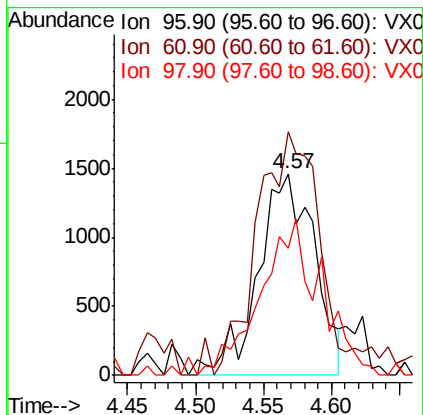
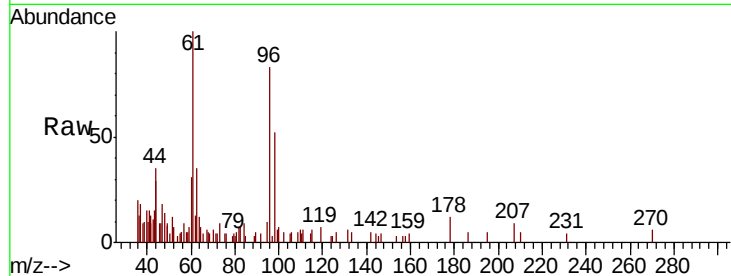


#27

cis-1,2-Dichloroethene
 Concen: 0.762 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX018575.D
 Acq: 24 Sep 2020 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D1-20200919

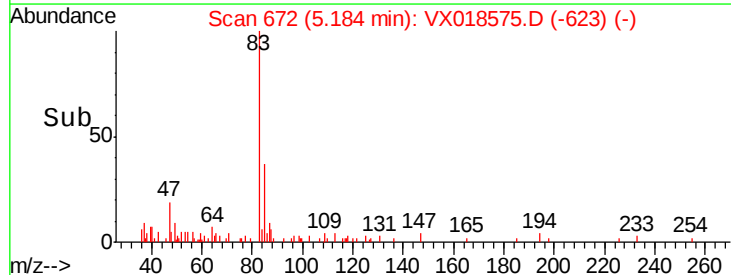
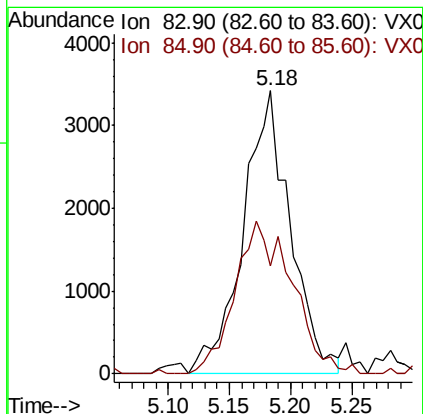
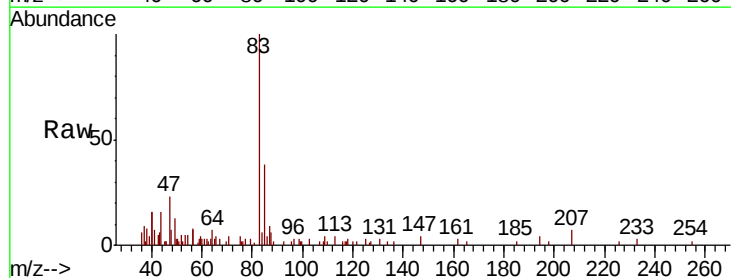
Tot Ion: 96 Resp: 4240
 Ion Ratio Lower Upper
 96 100
 61 129.0 0.0 300.0
 98 82.3 0.0 130.4

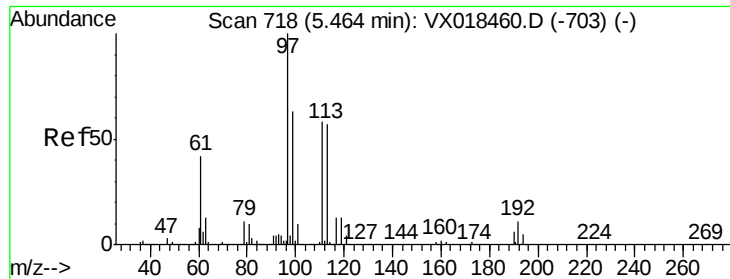


#30

Chloroform
 Concen: 1.010 ug/l
 RT: 5.18 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VX018575.D
 Acq: 24 Sep 2020 16:17

Tgt Ion: 83 Resp: 9201
 Ion Ratio Lower Upper
 83 100
 85 38.1 50.6 76.0#





#32

1,1,1-Trichloroethane

Concen: 2.835 ug/l

RT: 5.48 min Scan# 720

Delta R.T. 0.01 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20200919

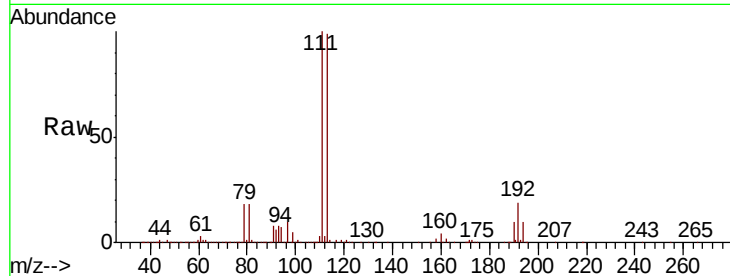
Tot Ion: 97 Resp: 24231

Ion Ratio Lower Upper

97 100

99 68.5 50.5 75.7

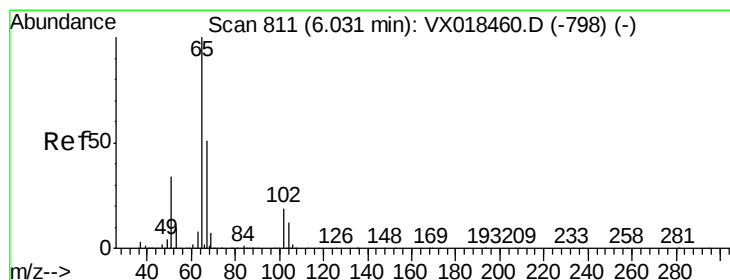
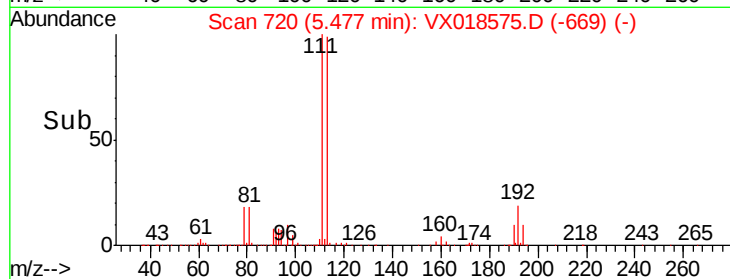
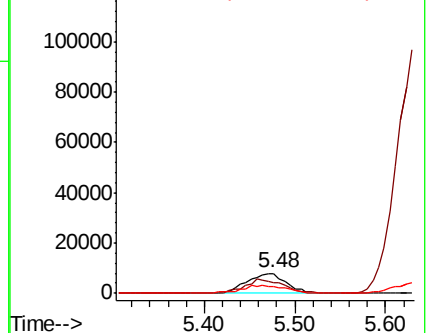
61 45.2 33.4 50.2



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.544 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018575.D

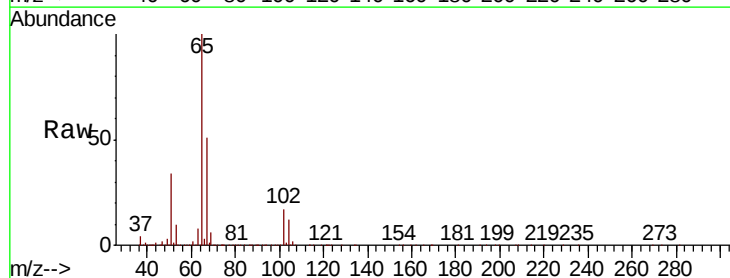
Acq: 24 Sep 2020 16:17

Tgt Ion: 65 Resp: 321812

Ion Ratio Lower Upper

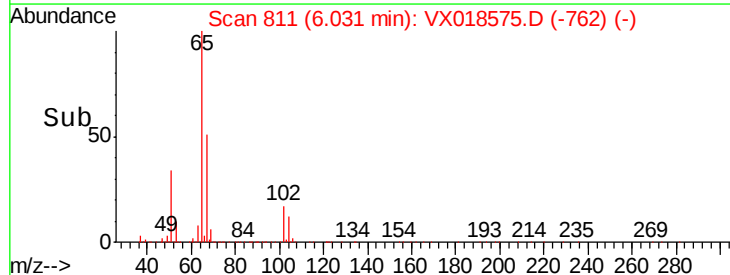
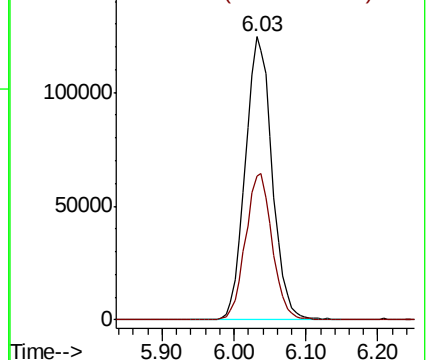
65 100

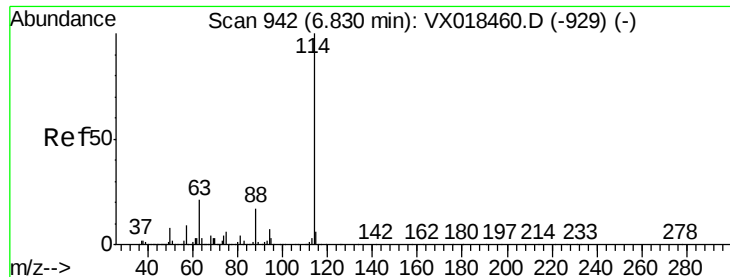
67 51.5 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20200919

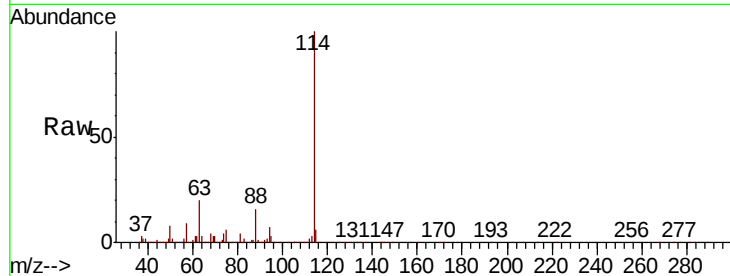
Tot Ion:114 Resp: 728522

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

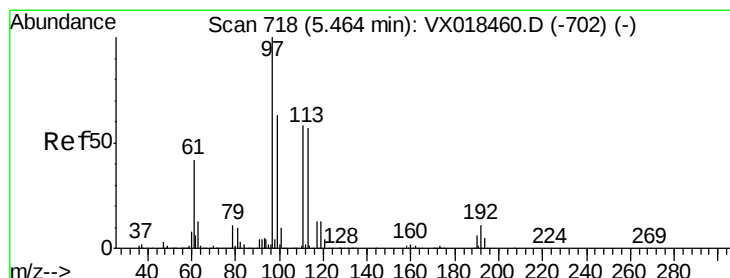
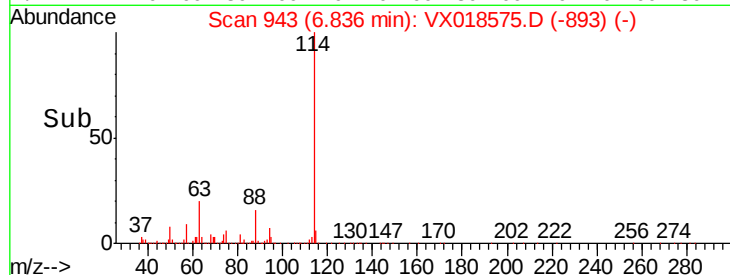
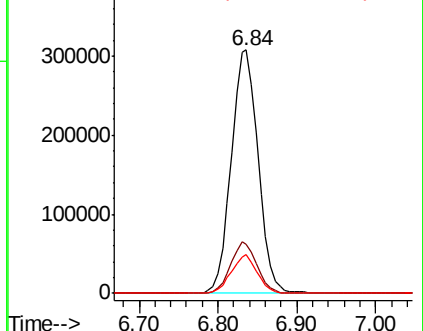
88 16.0 0.0 33.6



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: 50.853 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

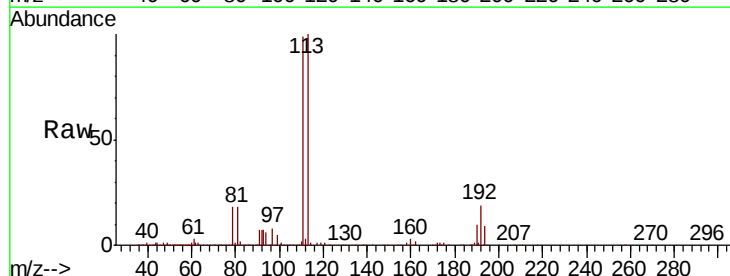
Tgt Ion:113 Resp: 256117

Ion Ratio Lower Upper

113 100

111 100.8 81.4 122.2

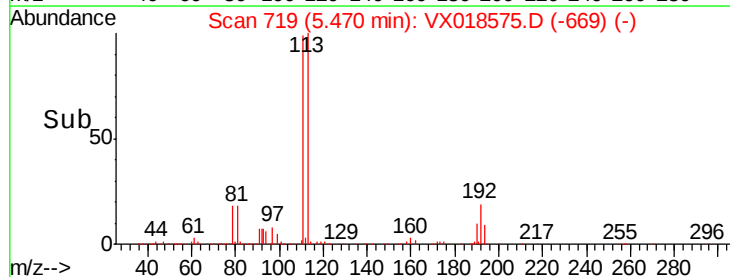
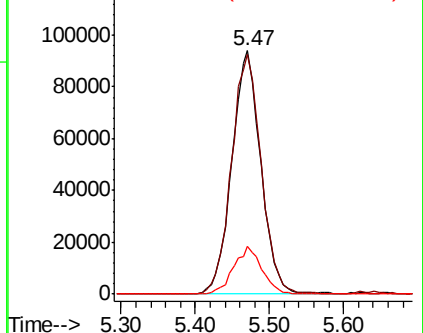
192 19.1 16.6 24.8

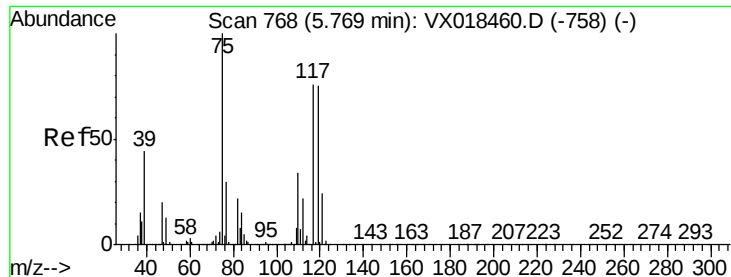


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.249 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20200919

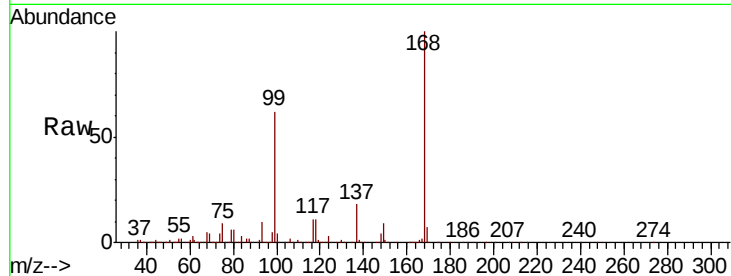
Tot Ion: 75 Resp: 37119

Ion Ratio Lower Upper

75 100

110 11.5 17.6 52.8#

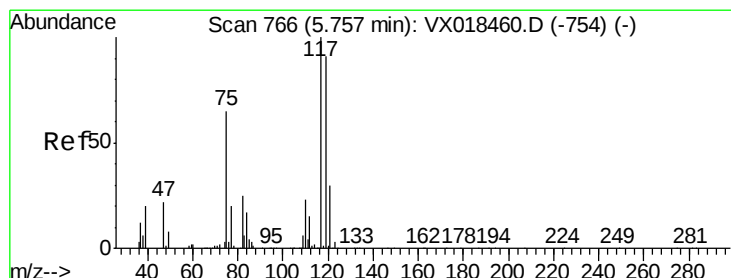
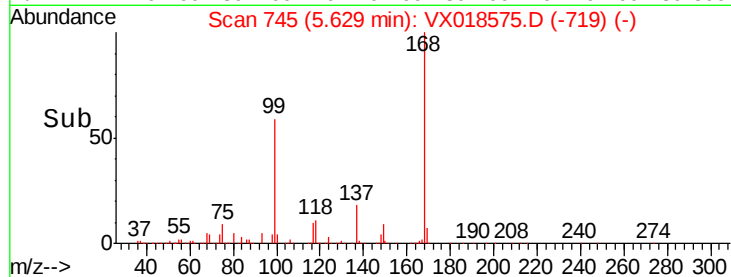
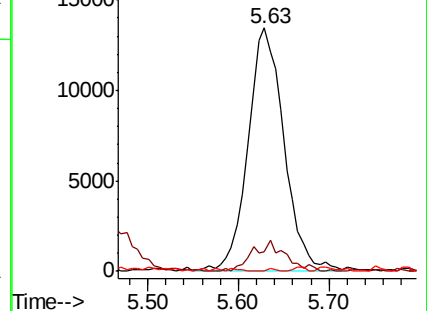
77 0.3 25.0 37.6#



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: 5.984 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

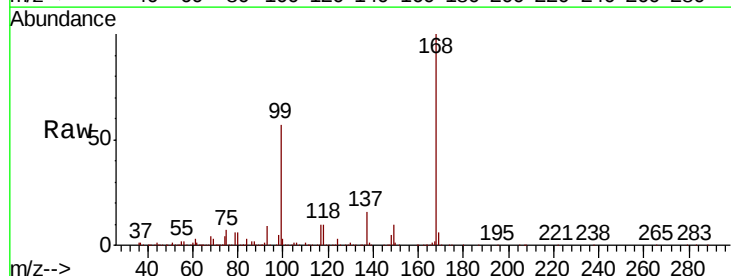
Tgt Ion:117 Resp: 46863

Ion Ratio Lower Upper

117 100

119 3.7 72.3 108.5#

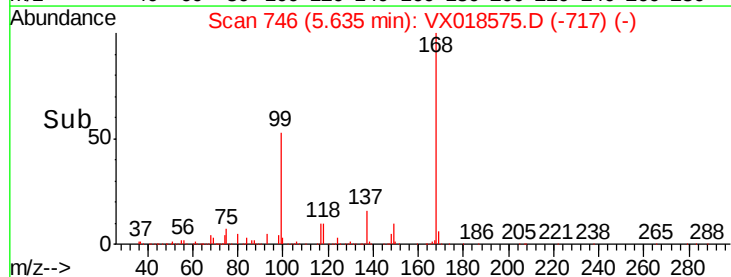
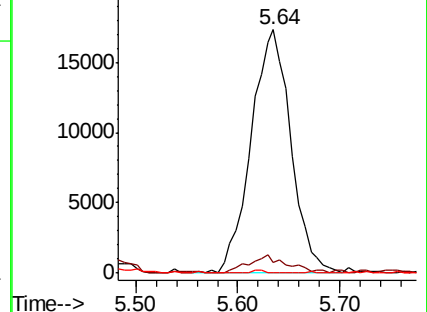
121 0.0 23.8 35.8#

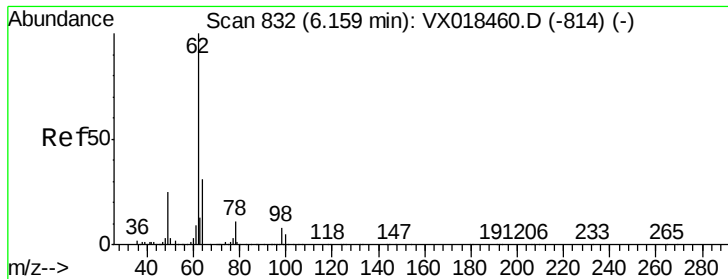


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#42

1,2-Dichloroethane

Concen: 0.242 ug/l

RT: 6.18 min Scan# 835

Delta R.T. 0.02 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

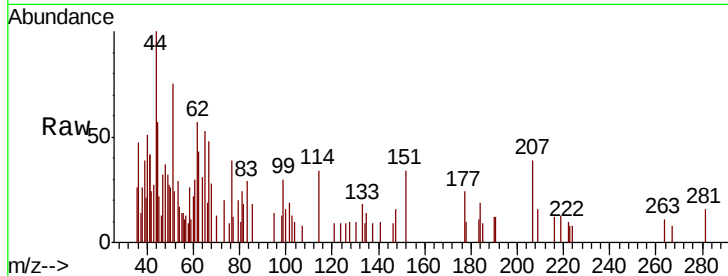
MW203D1-20200919

Tot Ion: 62 Resp: 1906

Ion Ratio Lower Upper

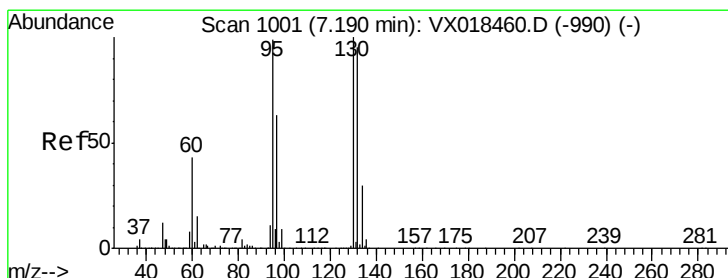
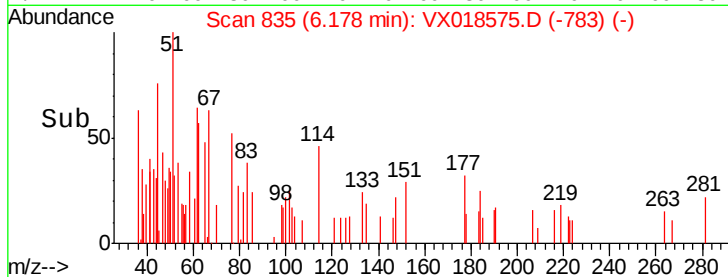
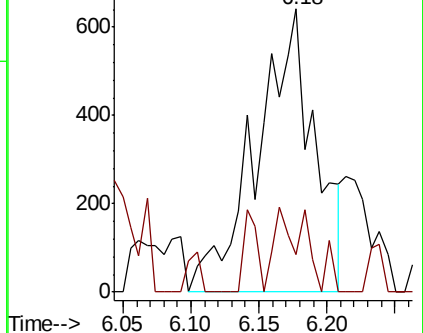
62 100

98 14.6 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#44

Trichloroethene

Concen: 5.718 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX018575.D

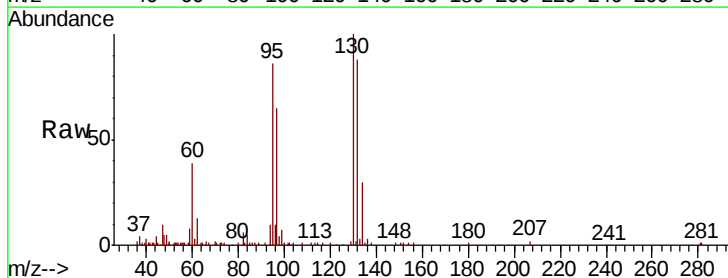
Acq: 24 Sep 2020 16:17

Tgt Ion:130 Resp: 33546

Ion Ratio Lower Upper

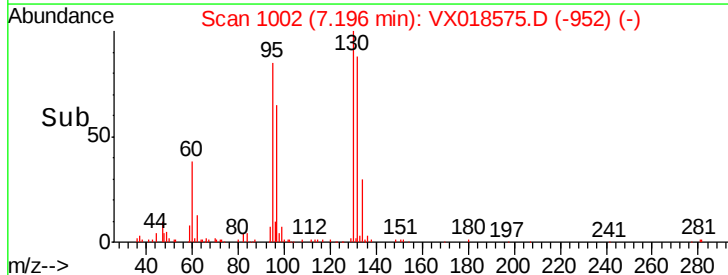
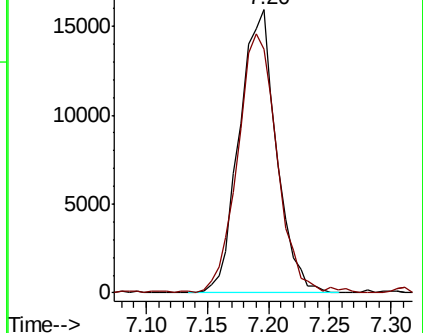
130 100

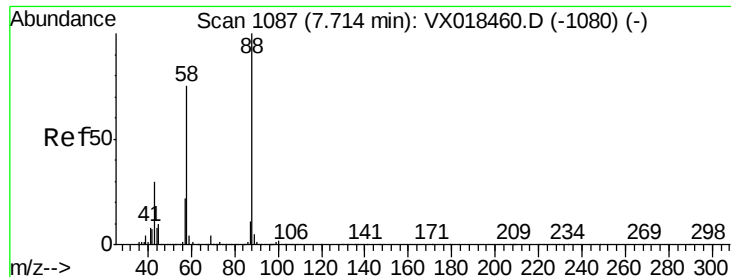
95 85.5 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 3.235 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20200919

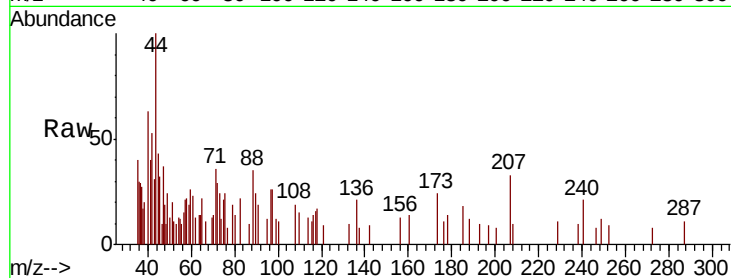
Tot Ion: 88 Resp: 326

Ion Ratio Lower Upper

88 100

43 166.9 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

800

600

400

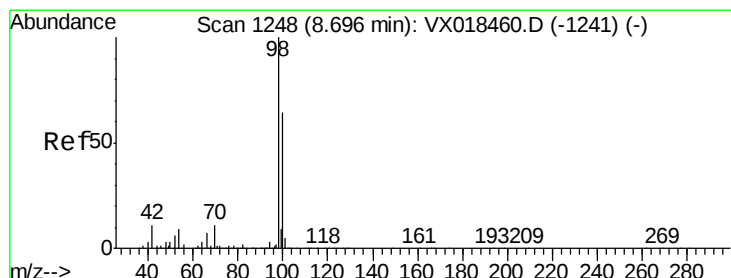
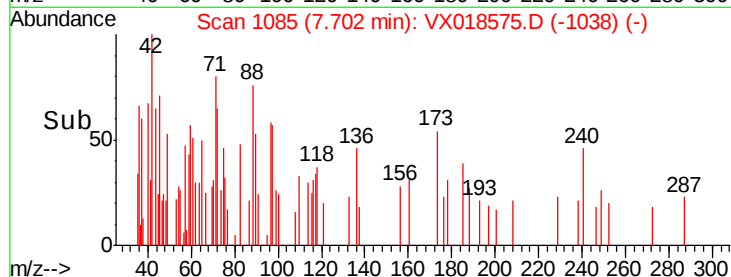
200

0

7.65

7.70

Time-->



#50

Toluene-d8

Concen: 48.189 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018575.D

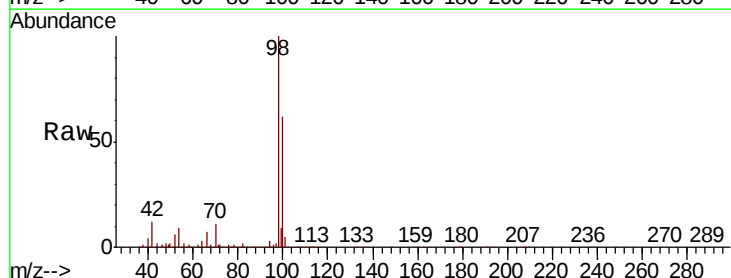
Acq: 24 Sep 2020 16:17

Tgt Ion: 98 Resp: 881807

Ion Ratio Lower Upper

98 100

100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

600000

400000

200000

0

8.60

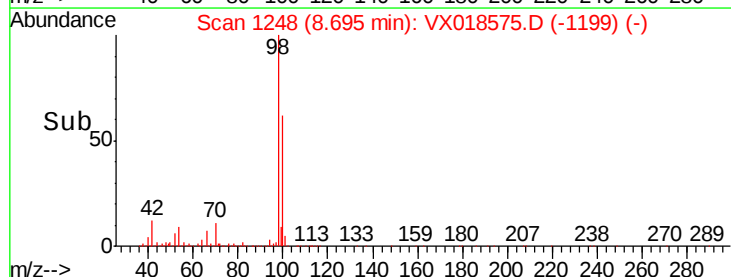
8.65

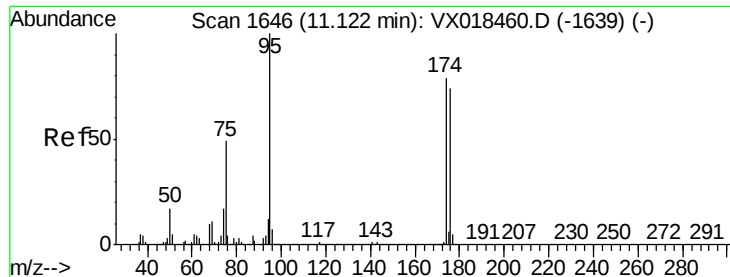
8.70

8.75

8.80

Time-->

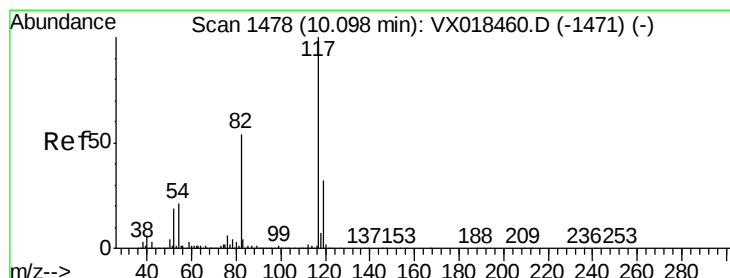
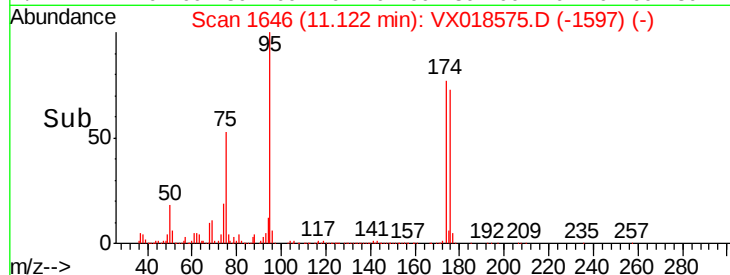
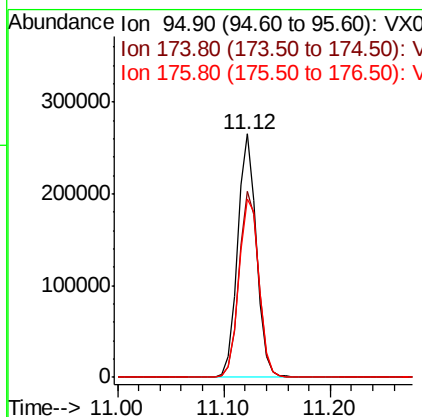
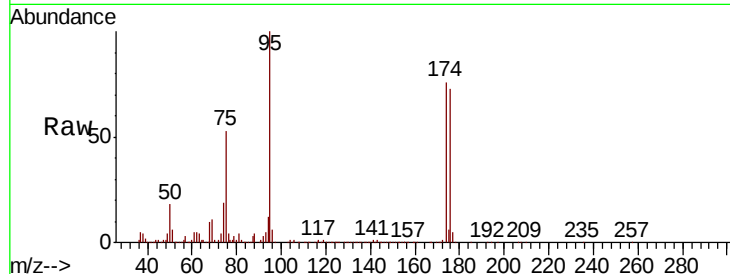




#62
4-Bromofluorobenzene
Concen: 45.113 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018575.D
Acq: 24 Sep 2020 16:17

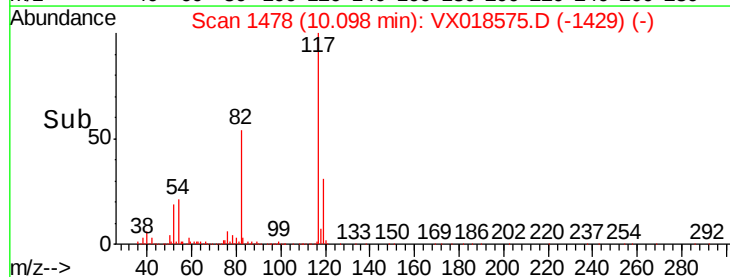
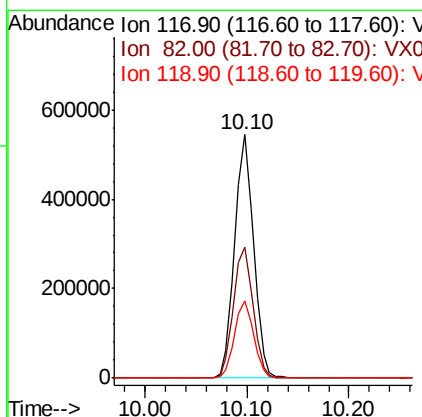
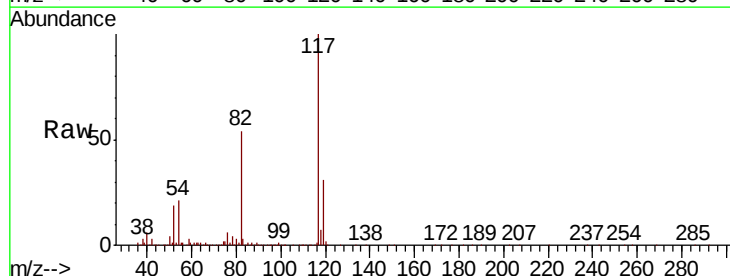
Instrument :
MSVOA_X
ClientSampleId :
MW203D1-20200919

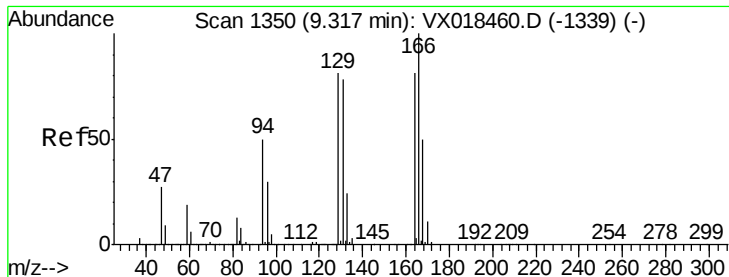
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.7	0.0	161.4
176	78.7	0.0	151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018575.D
Acq: 24 Sep 2020 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.3	64.9
119	31.5	25.9	38.9





#64

Tetrachloroethene

Concen: 1.115 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

MW203D1-20200919

Tot Ion:164 Resp: 6106

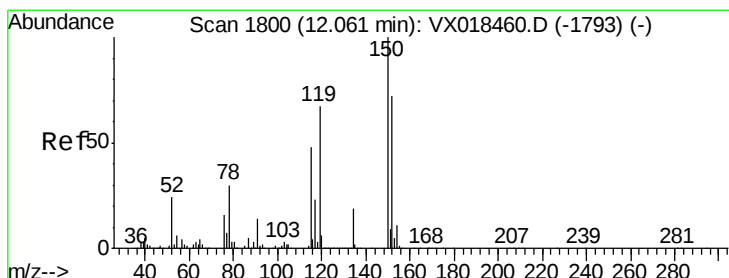
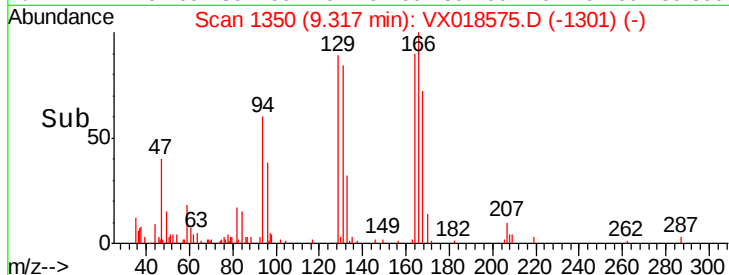
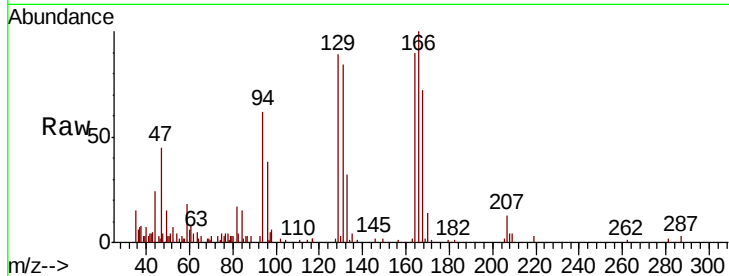
Ion Ratio Lower Upper

164 100

166 111.5 99.3 148.9

129 99.3 80.7 121.1

131 93.2 77.2 115.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

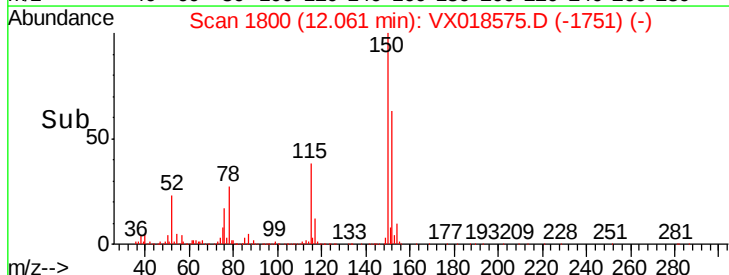
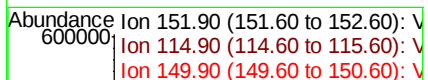
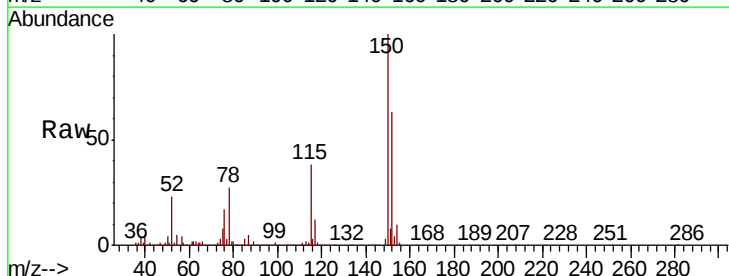
Tgt Ion:152 Resp: 336806

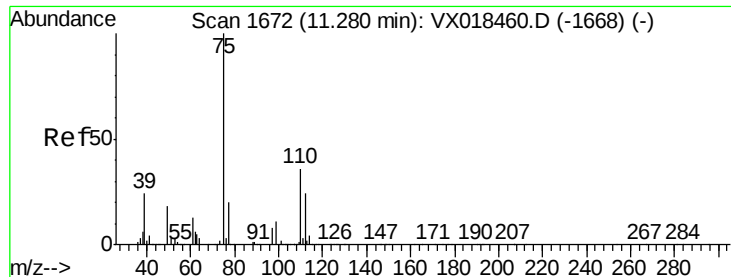
Ion Ratio Lower Upper

152 100

115 60.7 41.8 125.4

150 160.8 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 24.490 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

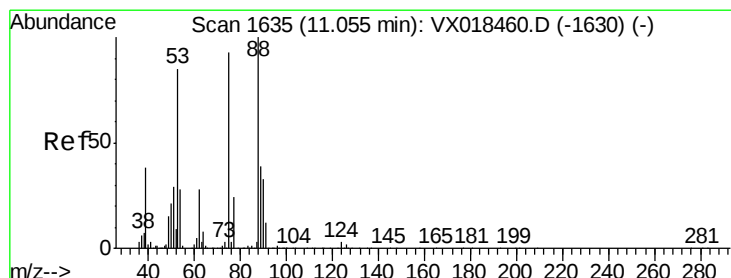
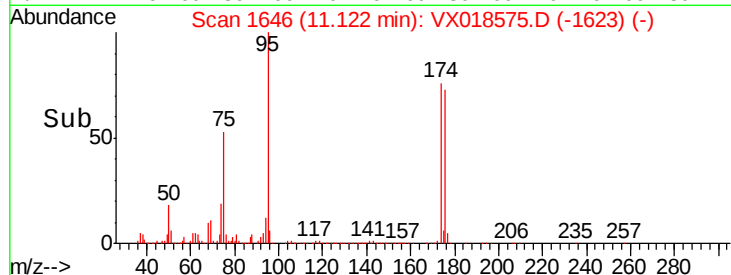
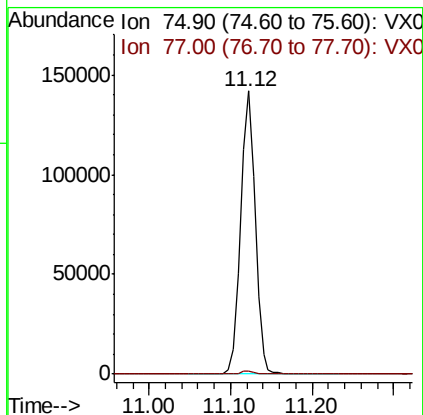
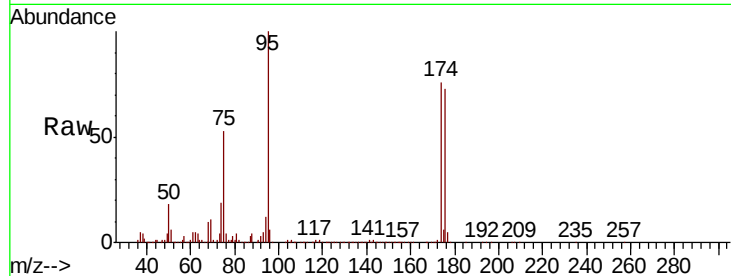
MW203D1-20200919

Tot Ion: 75 Resp: 173333

Ion Ratio Lower Upper

75 100

77 1.3 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.755 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018575.D

Acq: 24 Sep 2020 16:17

Tgt Ion: 75 Resp: 173333

Ion Ratio Lower Upper

75 100

53 0.2 74.6 111.8#

89 0.1 36.2 54.4#

