

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100920\
 Data File : VX018889.D
 Acq On : 10 Oct 2020 05:29
 Operator : JC/SP
 Sample : L4255-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-MW05I-20201001

Quant Time: Oct 10 06:30:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100920W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 06:09:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	186875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	317086	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	312328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	151166	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	152472	55.32	ug/l	0.00
Spiked Amount			Recovery	=	110.64%	
35) Dibromofluoromethane	5.47	113	111313	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	8.70	98	387589	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.12	95	144182	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	

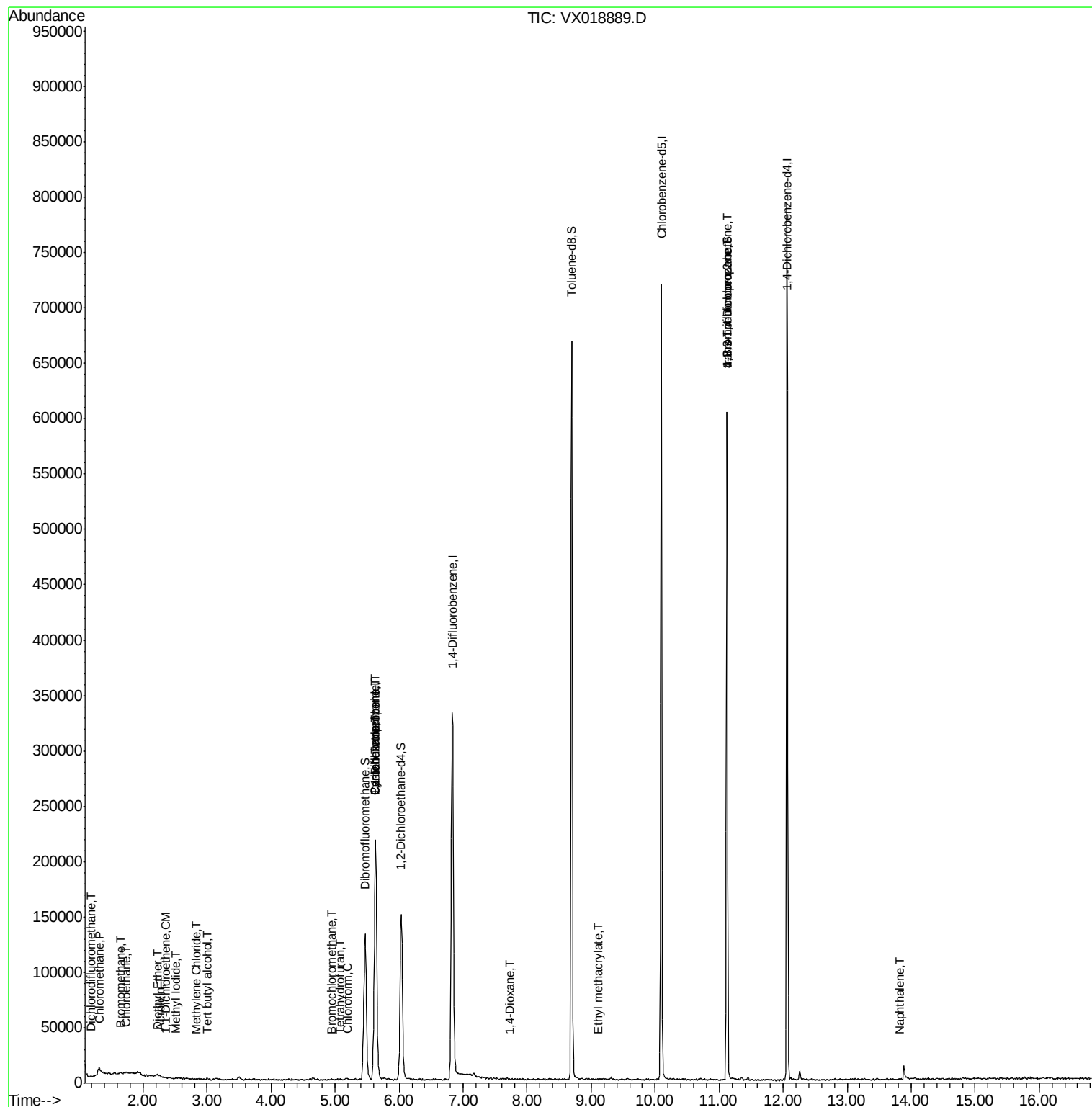
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	78	1.653	ug/l #	43
3) Chloromethane	1.31	50	756	0.432	ug/l #	79
5) Bromomethane	1.65	94	387	0.355	ug/l #	51
6) Chloroethane	1.73	64	554	0.422	ug/l #	61
8) Diethyl Ether	2.23	74	121	1.140	ug/l	90
10) Methyl Iodide	2.50	142	120	4.048	ug/l #	34
11) Tert butyl alcohol	3.01	59	772	1.778	ug/l	97
12) 1,1-Dichloroethene	2.36	96	266	0.857	ug/l #	1
13) Acrolein	2.27	56	211	0.584	ug/l #	77
16) Acetone	2.42	43	1425	Below Cal	#	80
20) Methylene Chloride	2.84	84	41	0.524	ug/l #	67
28) Bromochloromethane	4.95	49	227	1.654	ug/l #	8
29) Tetrahydrofuran	5.07	42	308	0.385	ug/l #	56
30) Chloroform	5.19	83	2070	0.499	ug/l	86
31) Cyclohexane	5.63	56	4970	1.931	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	15712	4.713	ug/l #	52
38) Carbon Tetrachloride	5.62	117	21190	5.128	ug/l #	21
49) 1,4-Dioxane	7.73	88	56	1.471	ug/l #	1
56) Ethyl methacrylate	9.12	69	104	2.962	ug/l #	1
64) Tetrachloroethene	9.09	164	23	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.12	75	80543	24.728	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	80543	70.078	ug/l #	7
95) Naphthalene	13.82	128	282	3.103	ug/l #	80

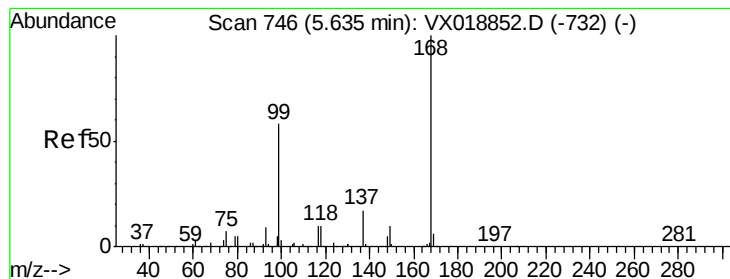
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX018889.D
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Quant Time: Oct 10 06:30:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100920W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 10 06:09:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

Instrument :

MSVOA_X

ClientSampleId :

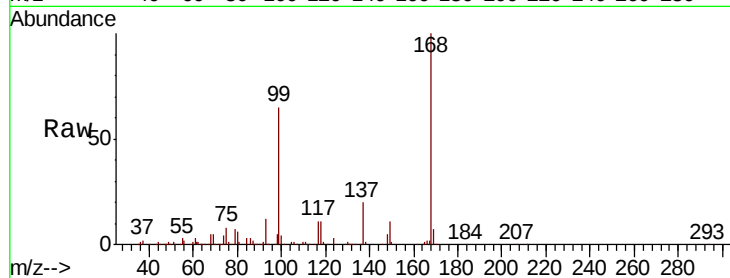
FT-MW05I-20201001

Tot Ion:168 Resp: 186875

Ion Ratio Lower Upper

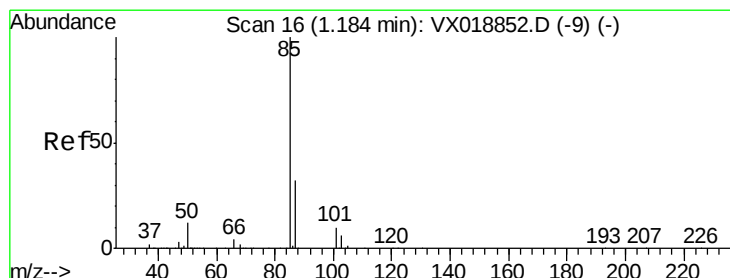
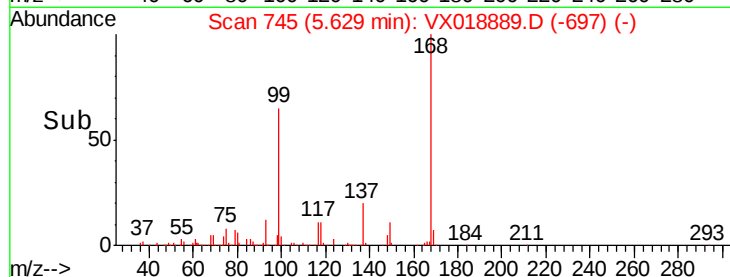
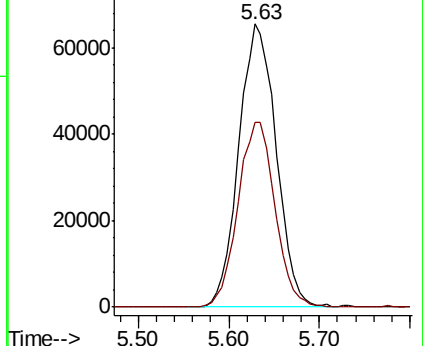
168 100

99 65.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.653 ug/l

RT: 1.20 min Scan# 18

Delta R.T. 0.01 min

Lab File: VX018889.D

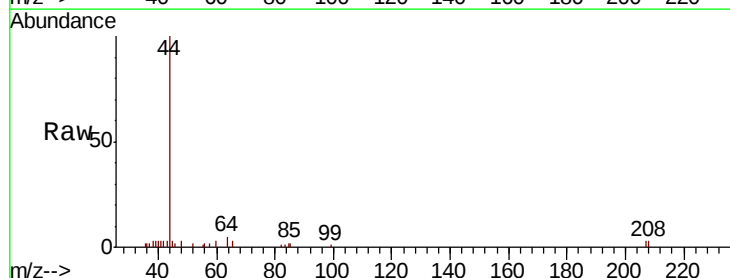
Acq: 10 Oct 2020 05:29

Tgt Ion: 85 Resp: 78

Ion Ratio Lower Upper

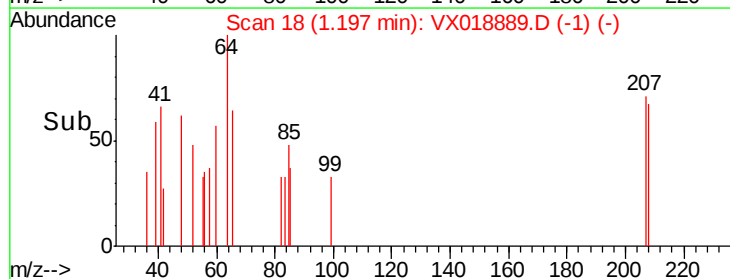
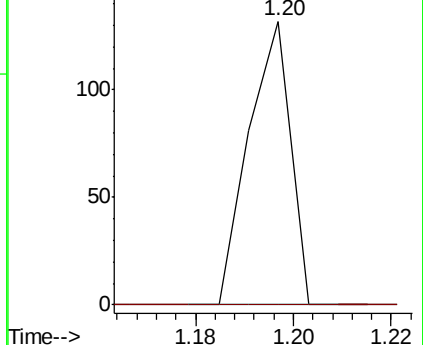
85 100

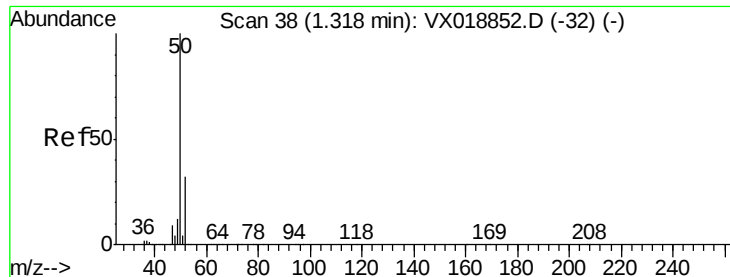
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.432 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

Instrument :

MSVOA_X

ClientSampleId :

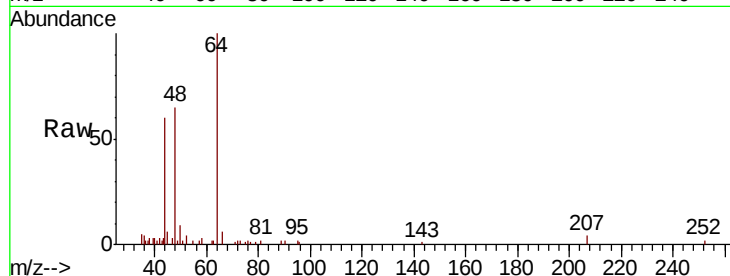
FT-MW05I-20201001

Tot Ion: 50 Resp: 756

Ion Ratio Lower Upper

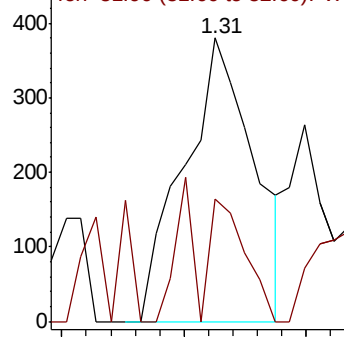
50 100

52 43.2 25.2 37.8#

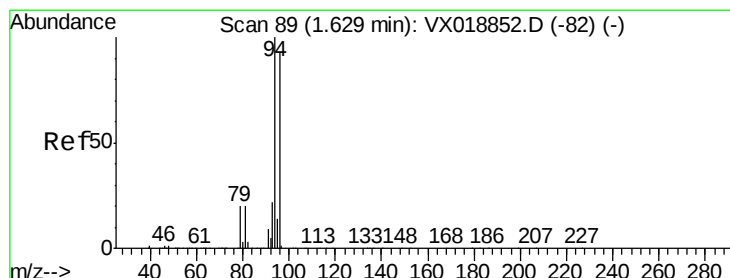
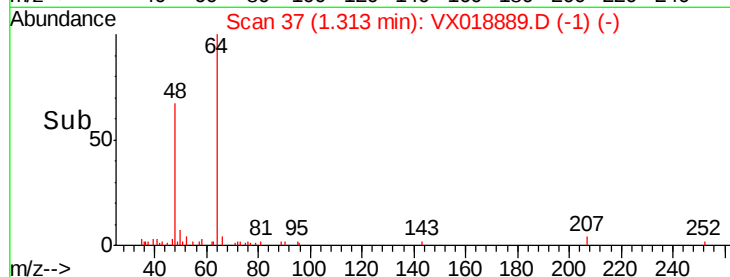


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: 0.355 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018889.D

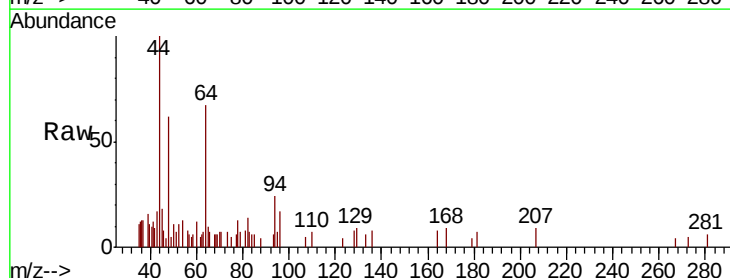
Acq: 10 Oct 2020 05:29

Tgt Ion: 94 Resp: 387

Ion Ratio Lower Upper

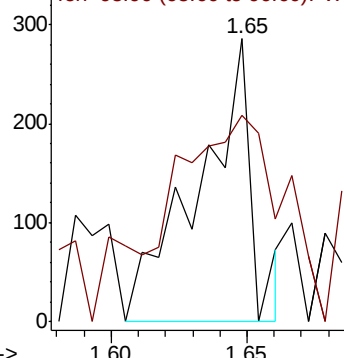
94 100

96 46.2 74.5 111.7#

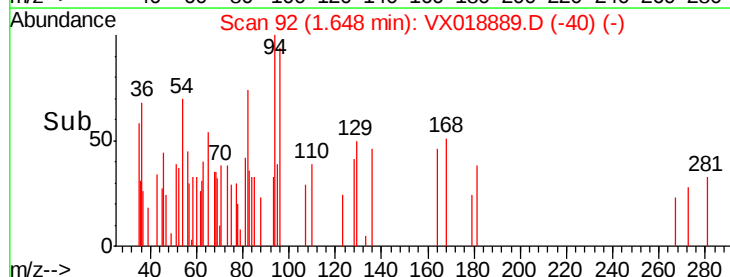


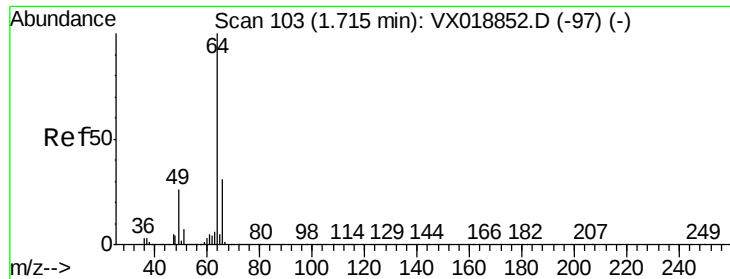
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->





#6

Chloroethane

Concen: 0.422 ug/l

RT: 1.73 min Scan# 105

Delta R.T. 0.01 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

Instrument :

MSVOA_X

ClientSampleId :

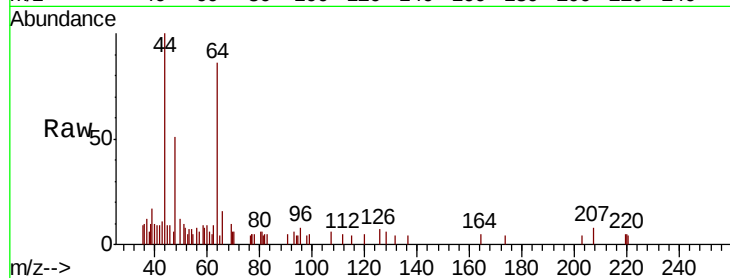
FT-MW05I-20201001

Tot Ion: 64 Resp: 554

Ion Ratio Lower Upper

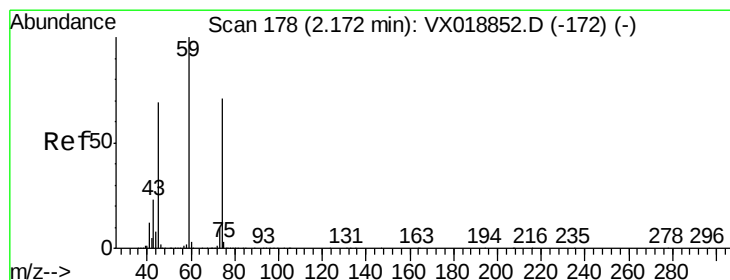
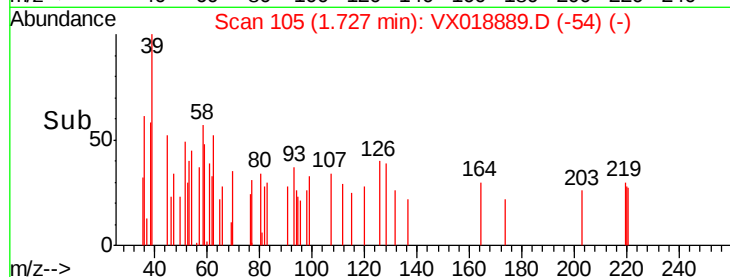
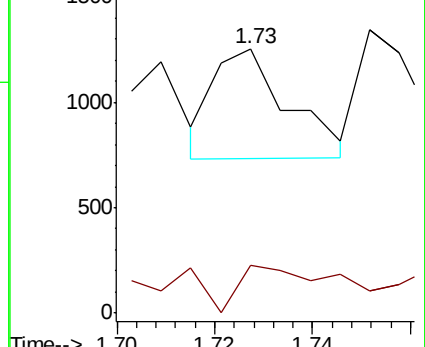
64 100

66 9.6 24.7 37.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: 1.140 ug/l

RT: 2.23 min Scan# 188

Delta R.T. 0.06 min

Lab File: VX018889.D

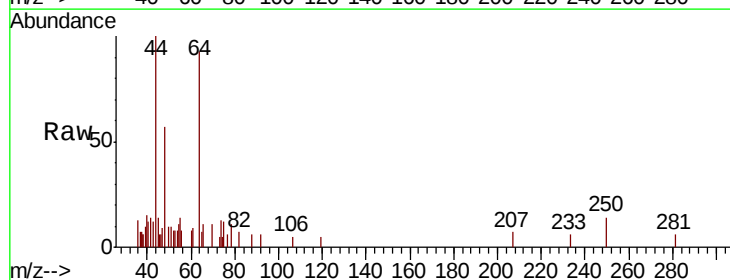
Acq: 10 Oct 2020 05:29

Tgt Ion: 74 Resp: 121

Ion Ratio Lower Upper

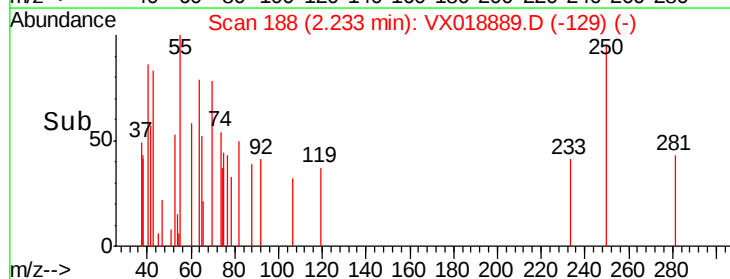
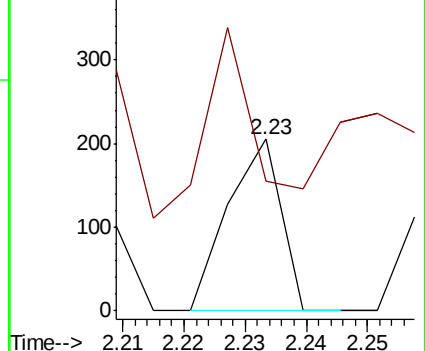
74 100

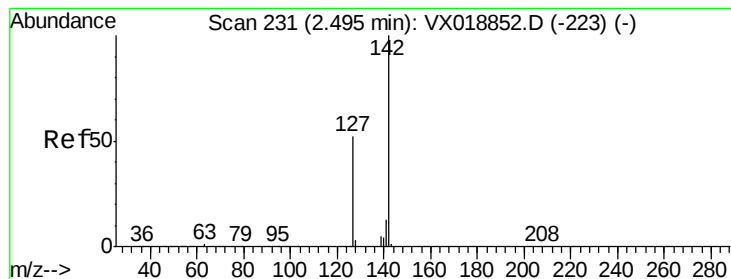
45 104.1 47.0 141.2



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methyl Iodide

Concen: 4.048 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

Instrument :

MSVOA_X

ClientSampleId :

FT-MW05I-20201001

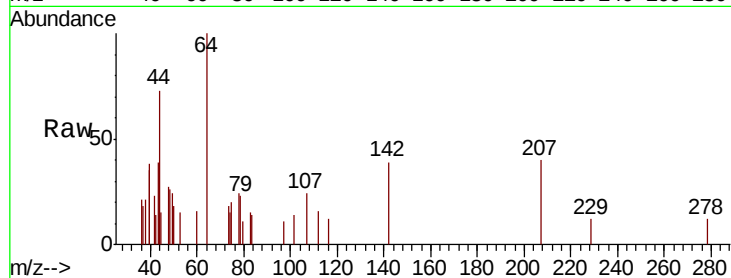
Tot Ion:142 Resp: 120

Ion Ratio Lower Upper

142 100

127 0.0 42.0 63.0#

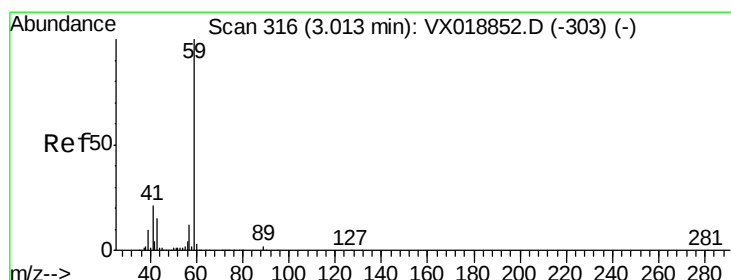
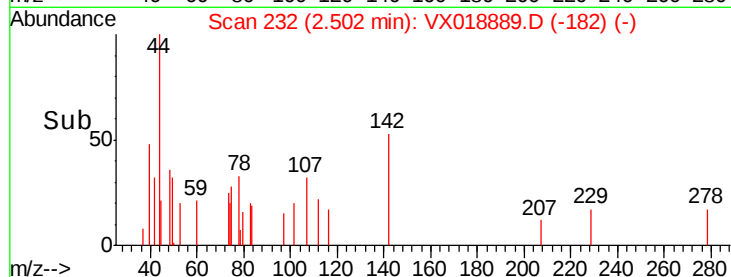
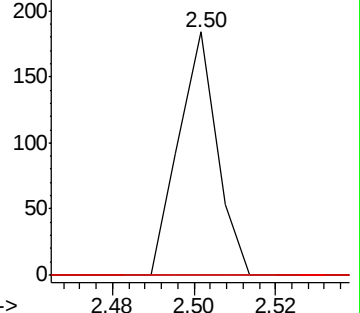
141 0.0 11.8 17.6#



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: 1.778 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX018889.D

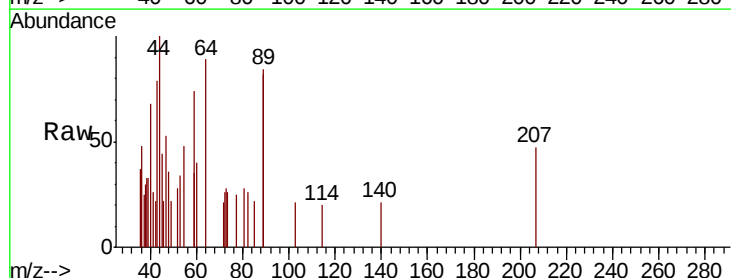
Acq: 10 Oct 2020 05:29

Tgt Ion: 59 Resp: 772

Ion Ratio Lower Upper

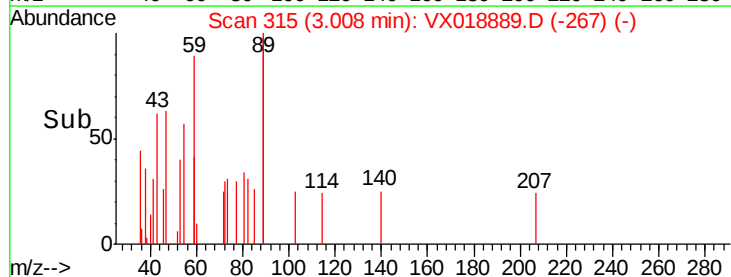
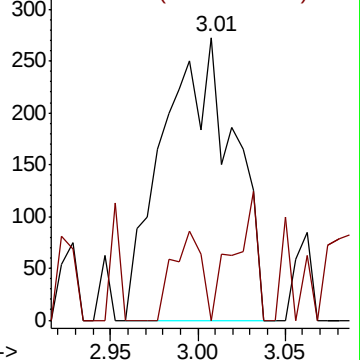
59 100

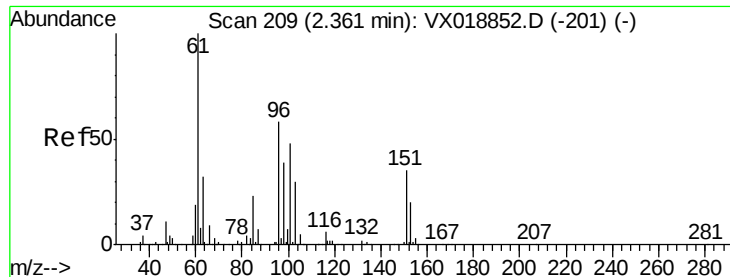
57 12.6 9.0 13.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.857 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

Instrument :

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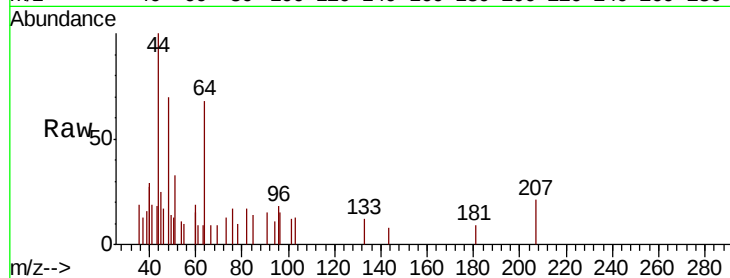
Tot Ion: 96 Resp: 266

Ion Ratio Lower Upper

96 100

61 26.0 137.0 205.6#

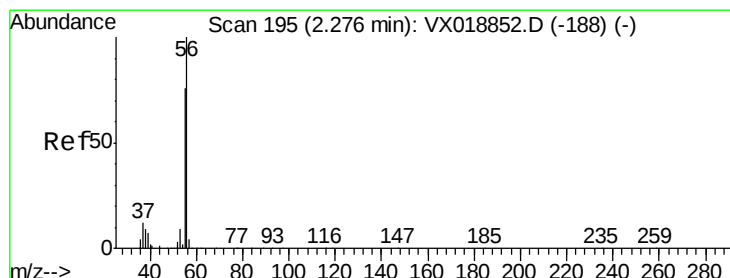
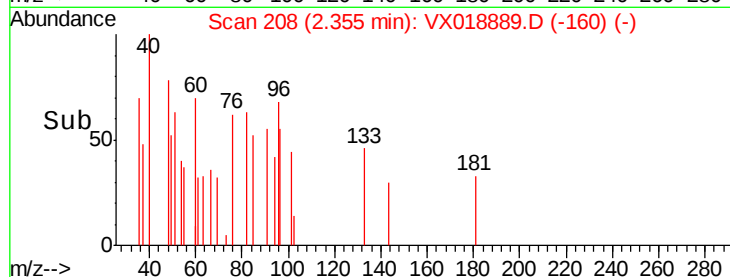
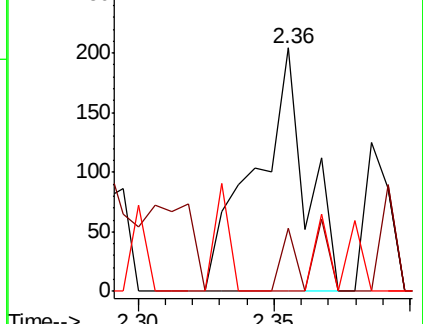
98 0.0 53.9 80.9#



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



#13

Acrolein

Concen: 0.584 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018889.D

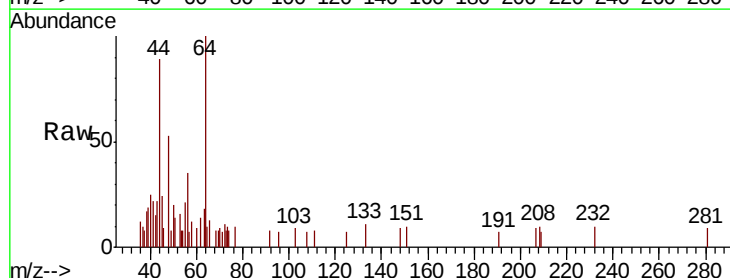
Acq: 10 Oct 2020 05:29

Tgt Ion: 56 Resp: 211

Ion Ratio Lower Upper

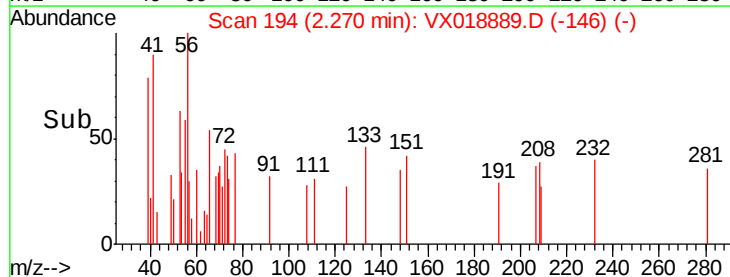
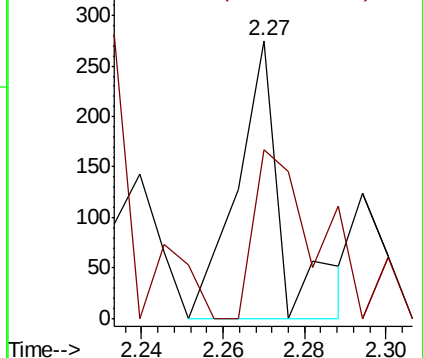
56 100

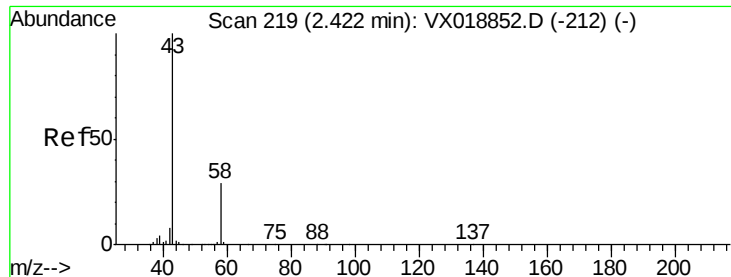
55 92.4 58.6 87.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

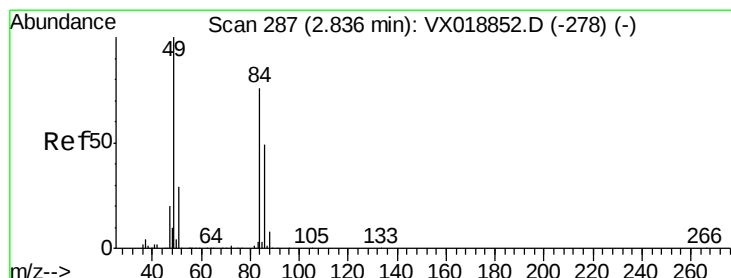
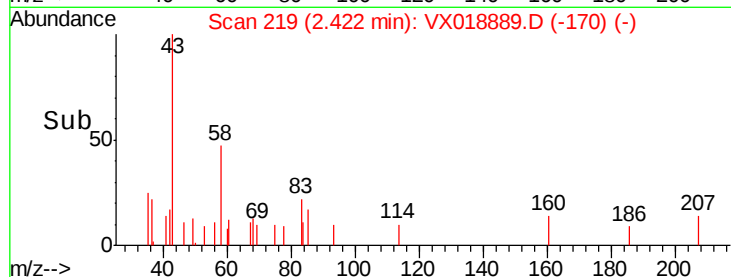
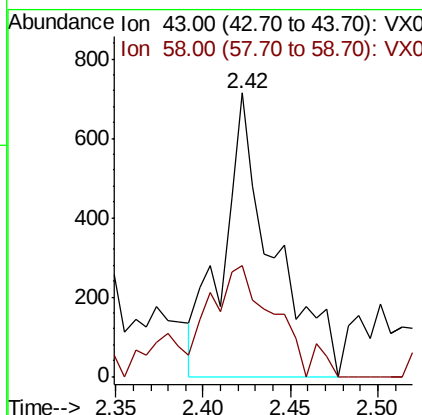
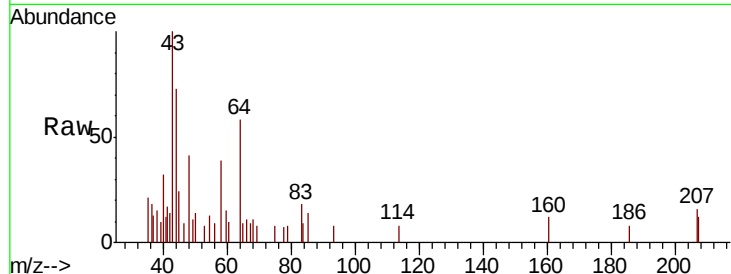




#16
Acetone
Concen: Below Cal
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX018889.D
Acq: 10 Oct 2020 05:29

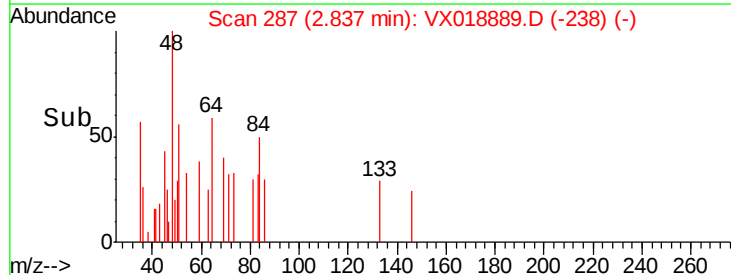
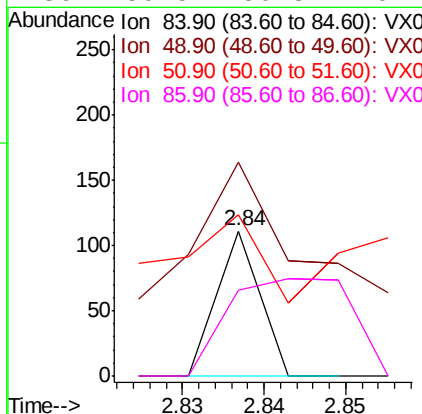
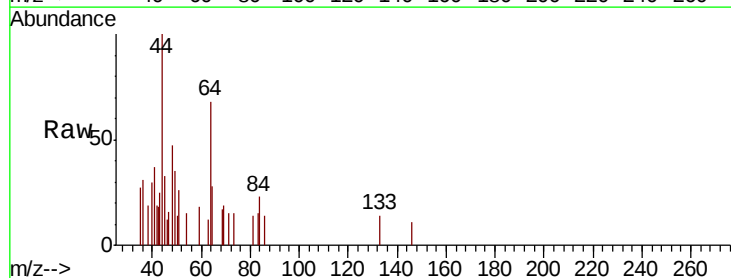
Instrument :
MSVOA_X
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FT-MW05I-20201001

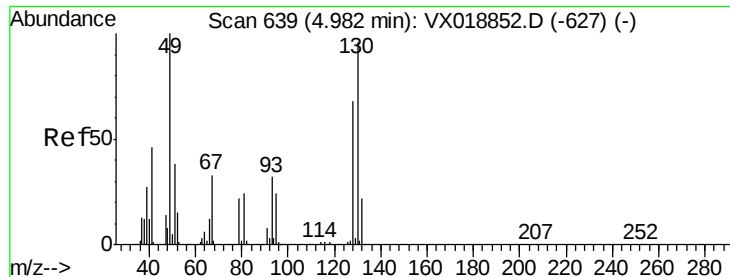
Tot Ion: 43 Resp: 1425
Ion Ratio Lower Upper
43 100
58 39.1 23.0 34.4#



#20
Methylene Chloride
Concen: 0.524 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018889.D
Acq: 10 Oct 2020 05:29

Tgt Ion: 84 Resp: 41
Ion Ratio Lower Upper
84 100
49 70.3 104.8 157.2#
51 29.7 30.6 46.0#
86 59.5 50.8 76.2





#28

Bromochloromethane

Concen: 1.654 ug/l

RT: 4.95 min Scan# 634

Delta R.T. -0.03 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

Instrument :

MSVOA_X

ClientSampleId :

FT-MW05I-20201001

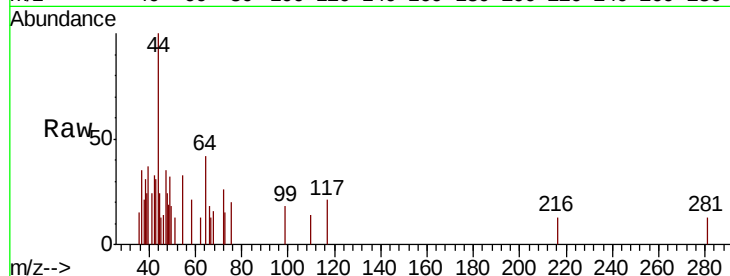
Tot Ion: 49 Resp: 227

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

130 0.0 71.2 106.8#

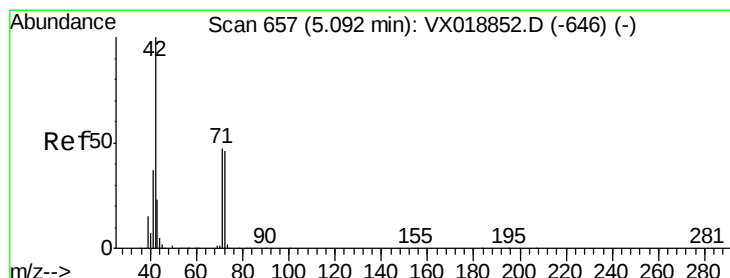
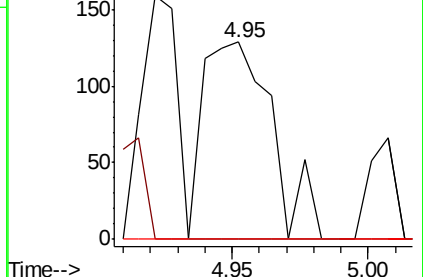
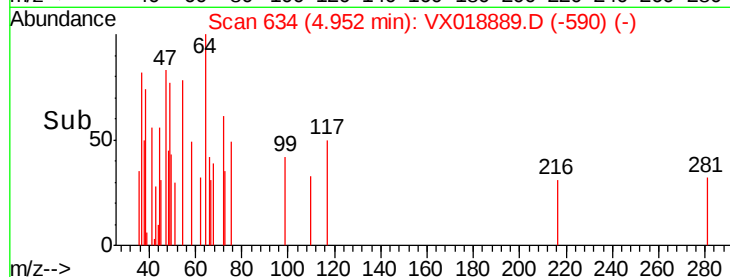


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->



#29

Tetrahydrofuran

Concen: 0.385 ug/l

RT: 5.07 min Scan# 654

Delta R.T. -0.02 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

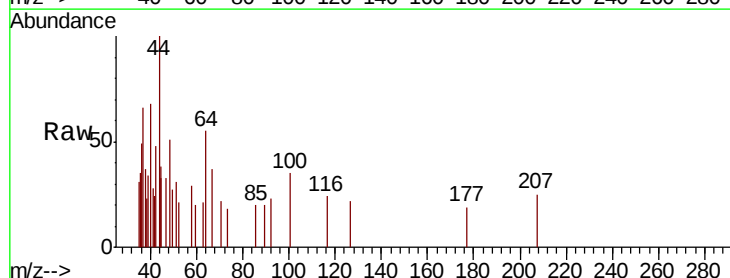
Tgt Ion: 42 Resp: 308

Ion Ratio Lower Upper

42 100

72 15.6 36.4 54.6#

71 16.9 35.2 52.8#

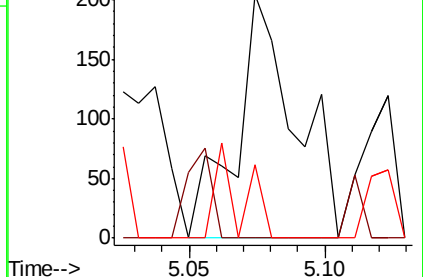
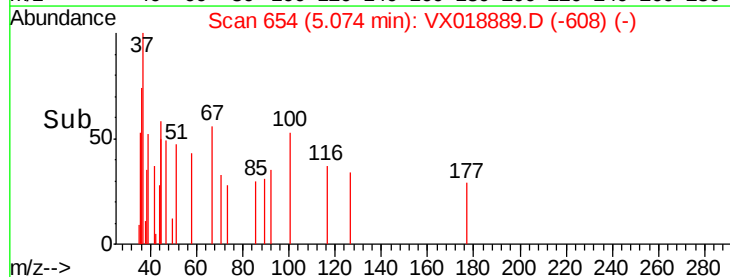


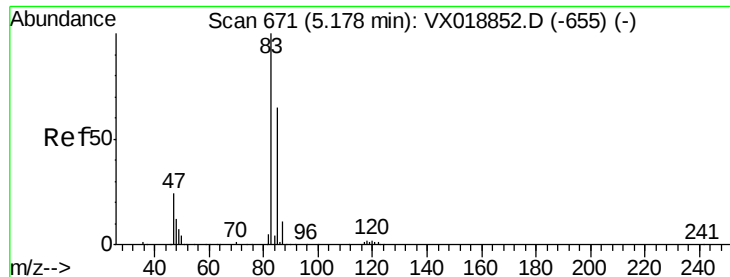
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

Time-->

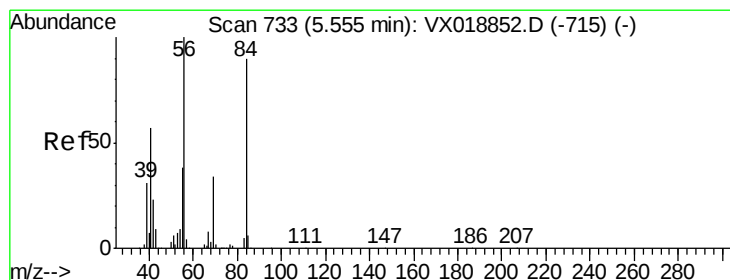
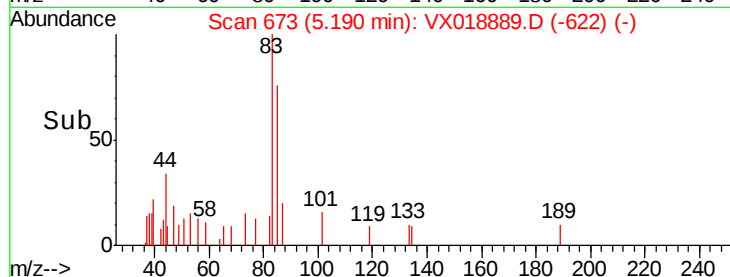
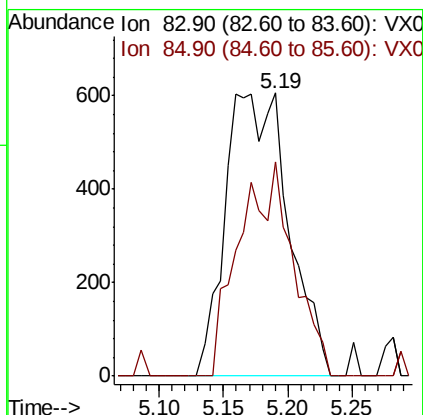
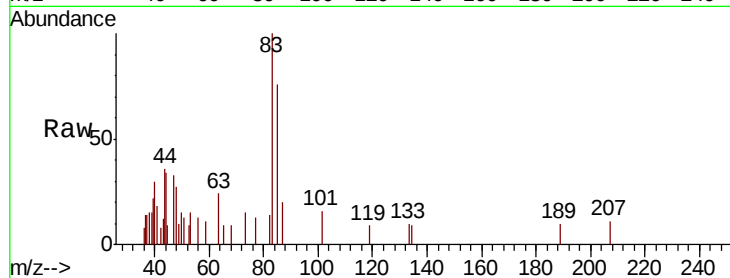




#30
Chloroform
Concen: 0.499 ug/l
RT: 5.19 min Scan# 673
Delta R.T. 0.01 min
Lab File: VX018889.D
Acq: 10 Oct 2020 05:29

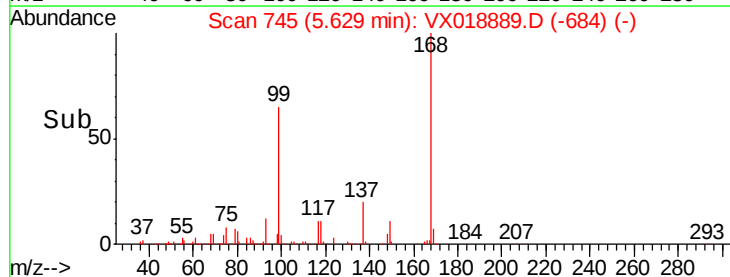
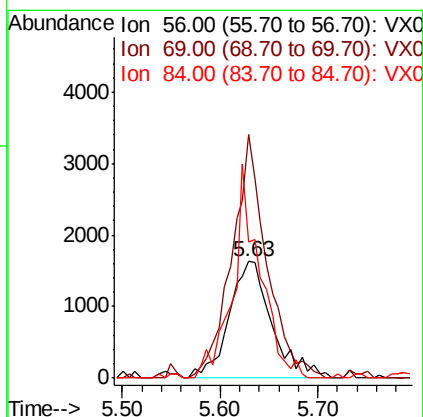
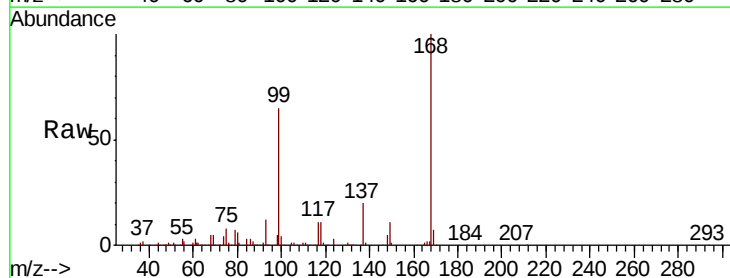
Instrument :
MSVOA_X
ClientSampleId :
FT-MW05I-20201001

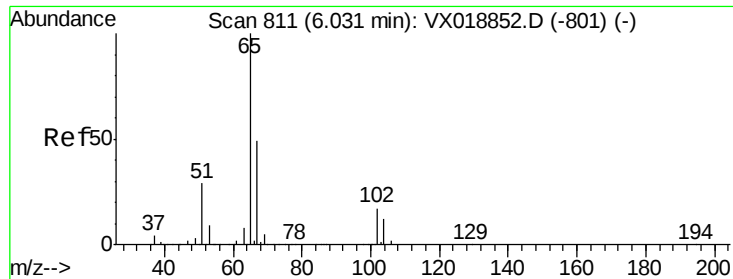
Tot Ion: 83 Resp: 2070
Ion Ratio Lower Upper
83 100
85 75.9 51.8 77.8



#31
Cyclohexane
Concen: 1.931 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.07 min
Lab File: VX018889.D
Acq: 10 Oct 2020 05:29

Tgt Ion: 56 Resp: 4970
Ion Ratio Lower Upper
56 100
69 208.8 27.1 40.7#
84 116.3 71.7 107.5#





#33

1,2-Dichloroethane-d4

Concen: 55.319 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

Instrument :

MSVOA_X

ClientSampleId :

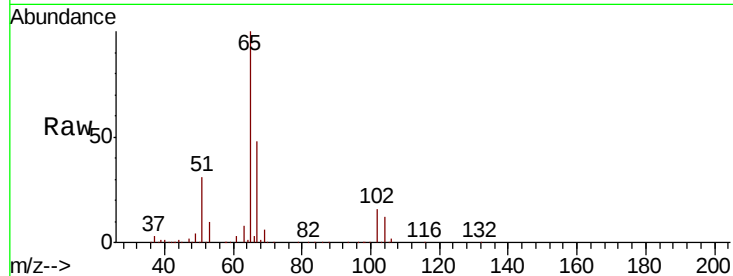
FT-MW05I-20201001

Tot Ion: 65 Resp: 152472

Ion Ratio Lower Upper

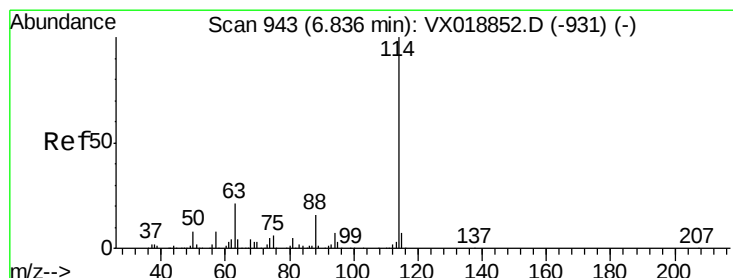
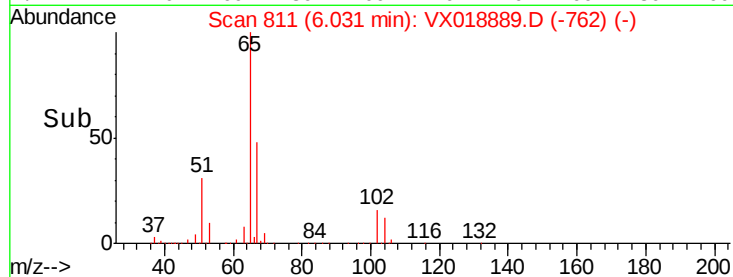
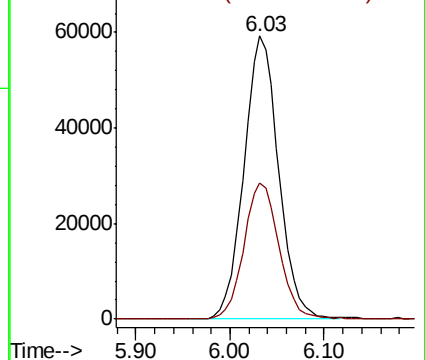
65 100

67 48.9 0.0 97.0



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: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

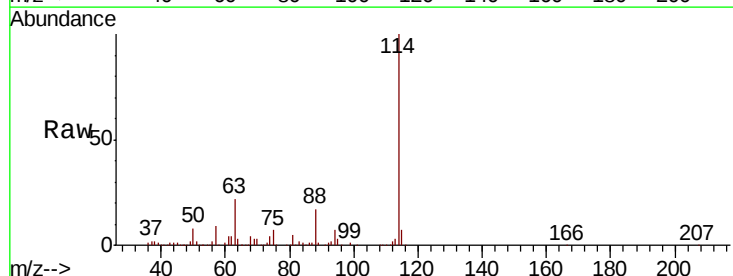
Tgt Ion: 114 Resp: 317086

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.4

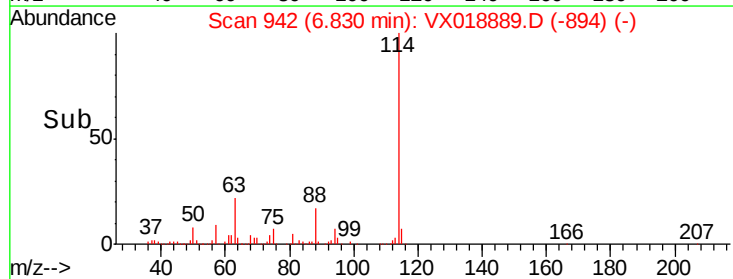
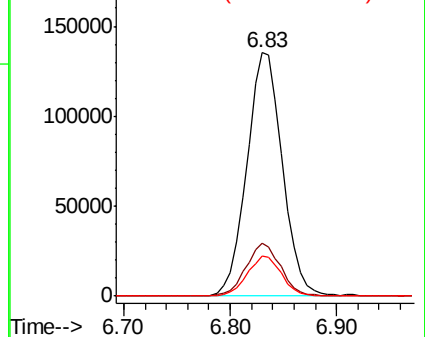
88 16.5 0.0 32.6

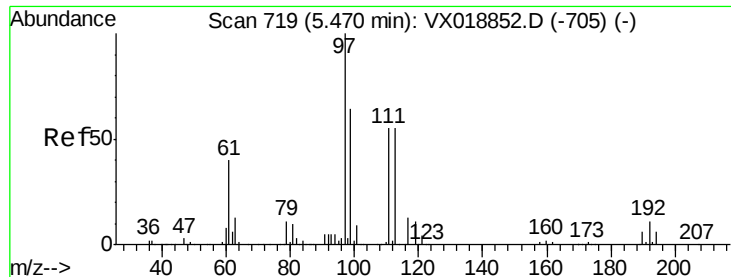


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

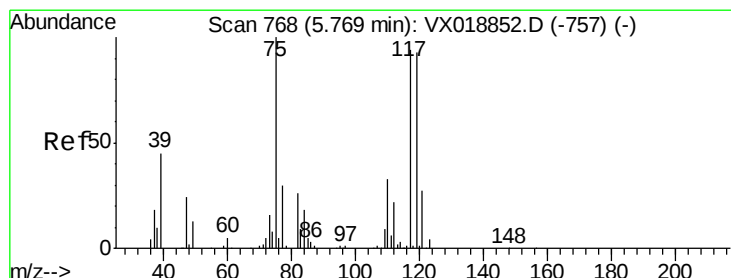
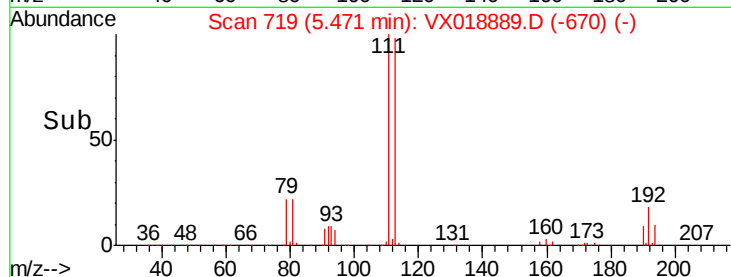
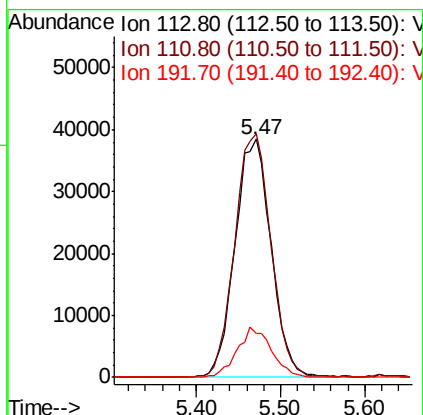
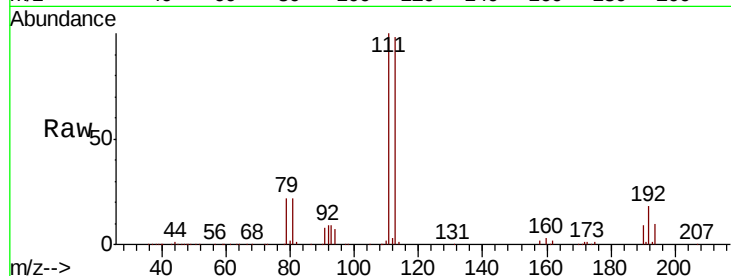




#35
 Dibromofluoromethane
 Concen: 49.259 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX018889.D
 Acq: 10 Oct 2020 05:29

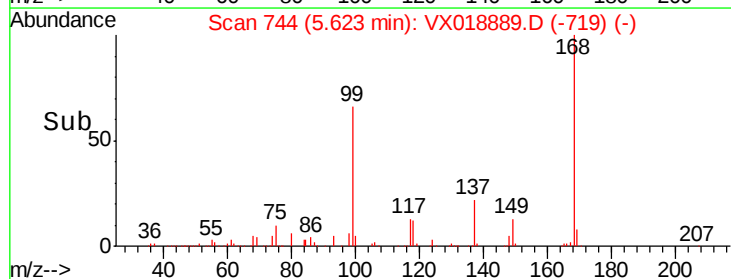
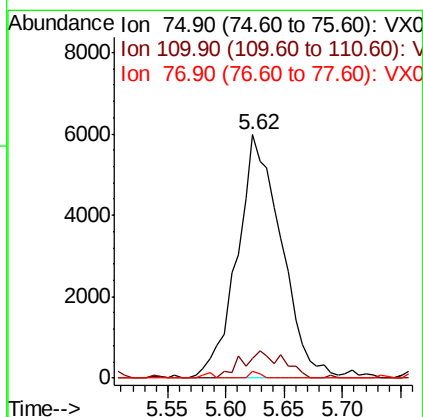
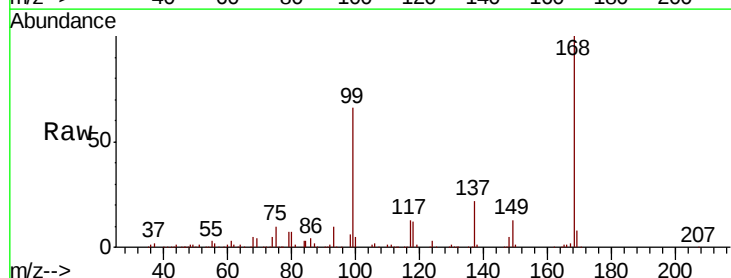
Instrument :
 MSVOA_X
 ClientSampleId :
 FT-MW051-20201001

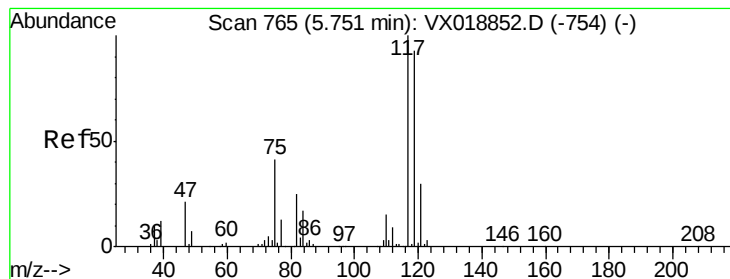
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.1	120.1
192	19.8	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 4.713 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX018889.D
 Acq: 10 Oct 2020 05:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.8	53.5#
77	0.6	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.128 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

Instrument :

MSVOA_X

ClientSampleId :

FT-MW05I-20201001

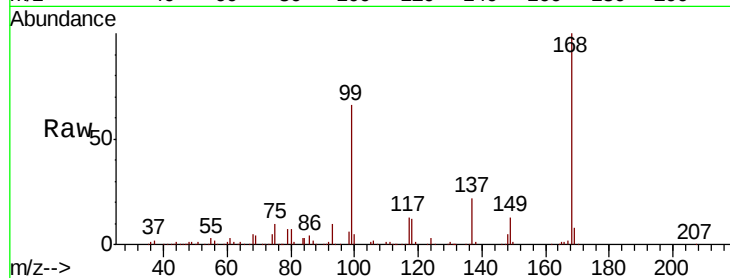
Tot Ion:117 Resp: 21190

Ion Ratio Lower Upper

117 100

119 9.8 73.9 110.9#

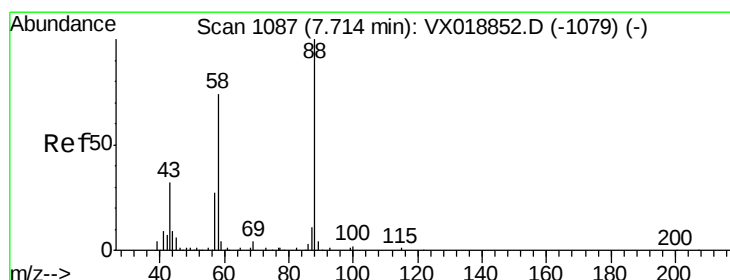
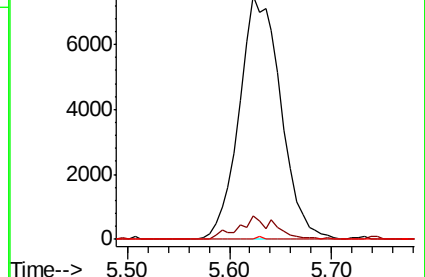
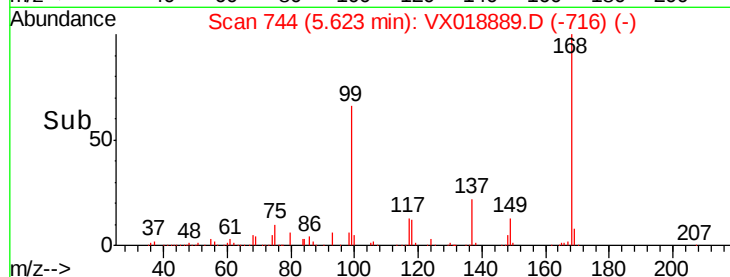
121 0.0 23.6 35.4#



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: 1.471 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

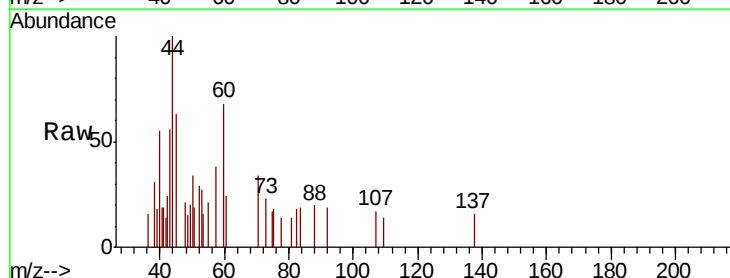
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 276.8 31.0 46.6#

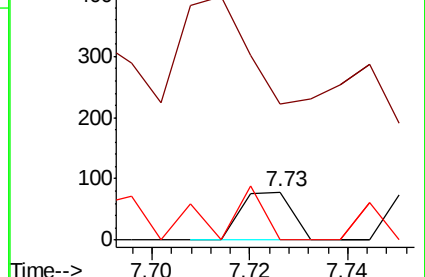
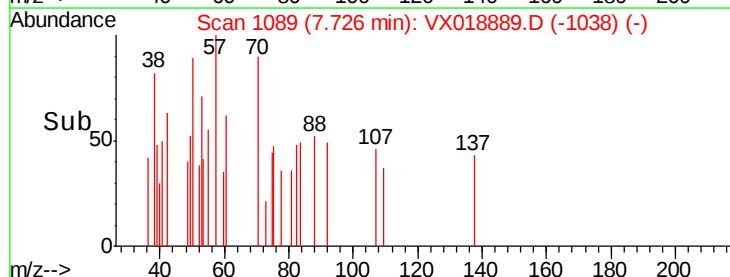
58 96.4 59.3 88.9#

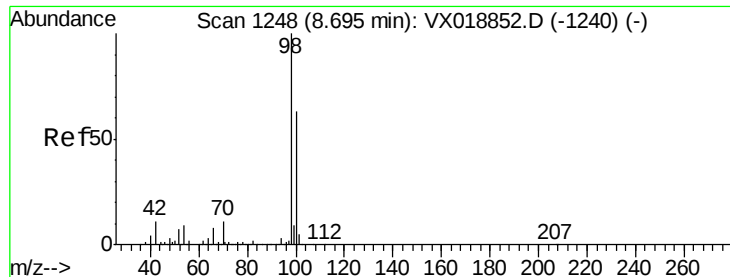


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.447 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

Instrument :

MSVOA_X

ClientSampleId :

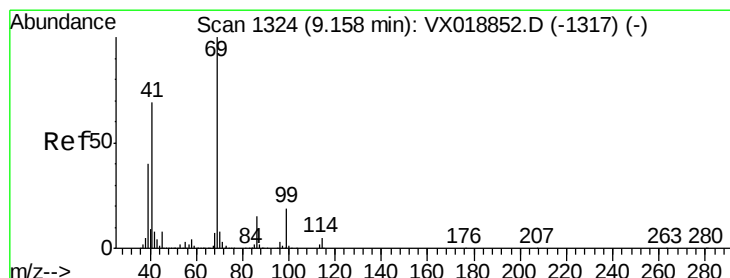
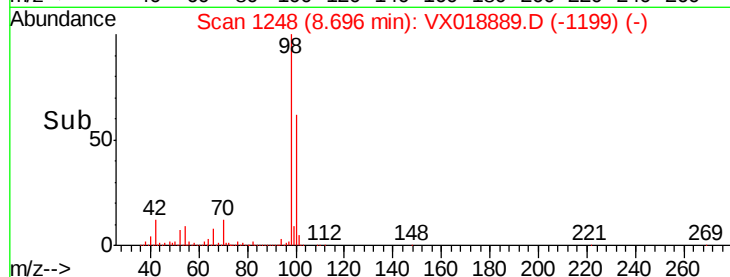
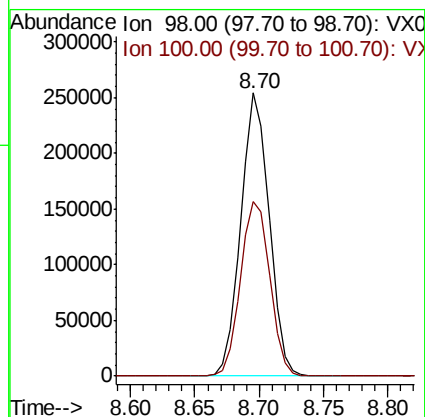
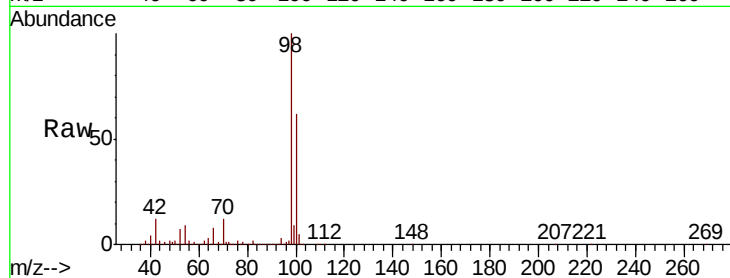
FT-MW05I-20201001

Tot Ion: 98 Resp: 387589

Ion Ratio Lower Upper

98 100

100 64.2 53.1 79.7



#56

Ethyl methacrylate

Concen: 2.962 ug/l

RT: 9.12 min Scan# 1317

Delta R.T. -0.04 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

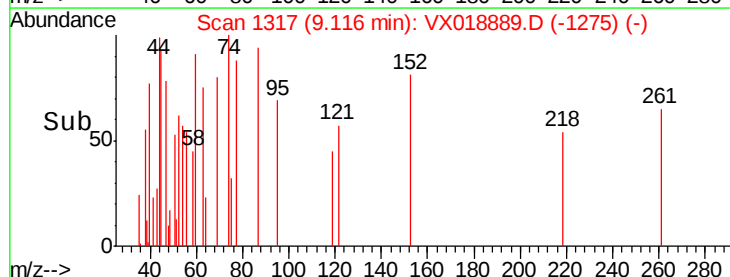
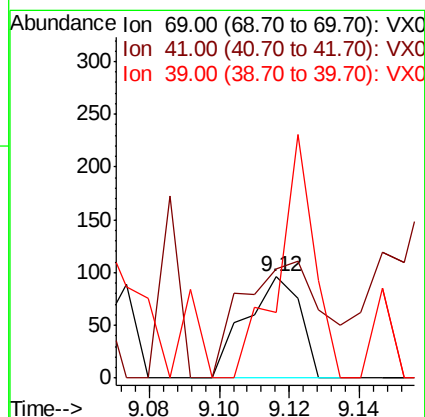
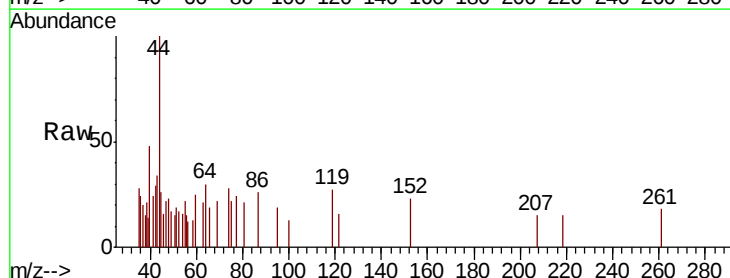
Tgt Ion: 69 Resp: 104

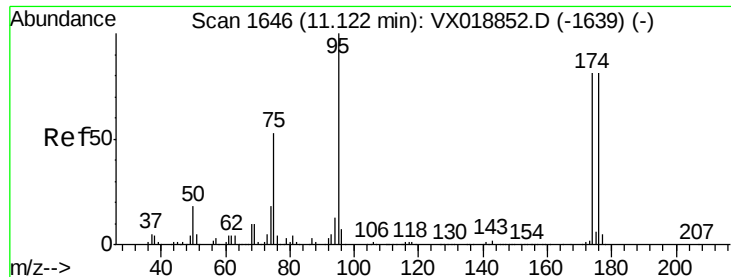
Ion Ratio Lower Upper

69 100

41 172.1 54.6 81.8#

39 158.7 31.5 47.3#

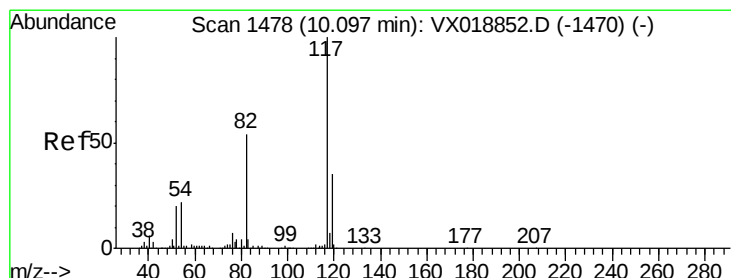
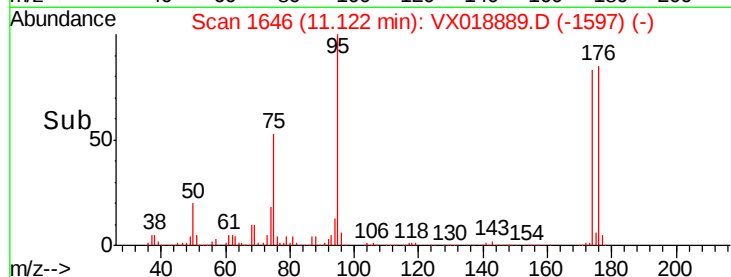
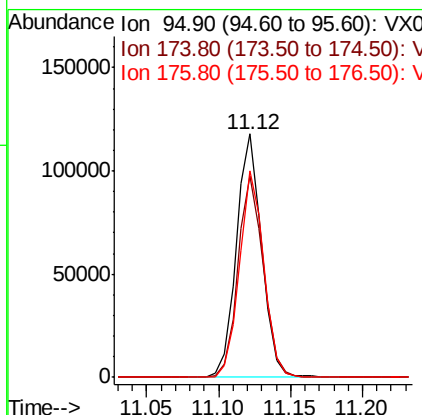
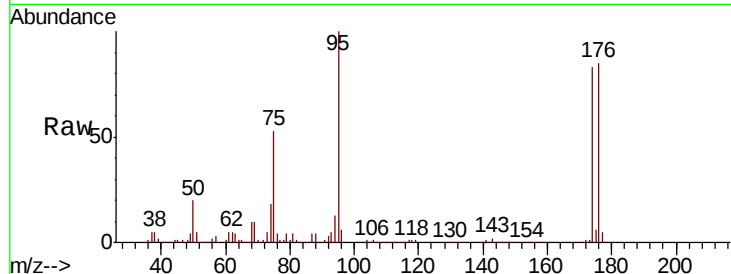




#62
4-Bromofluorobenzene
Concen: 46.152 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018889.D
Acq: 10 Oct 2020 05:29

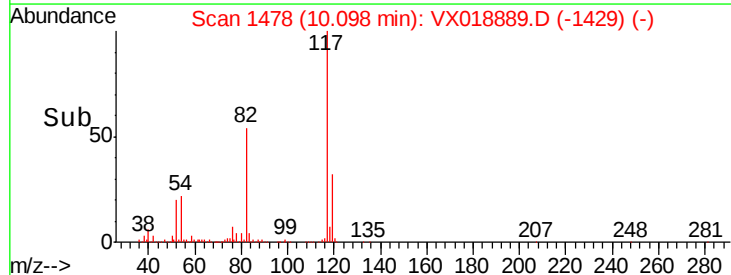
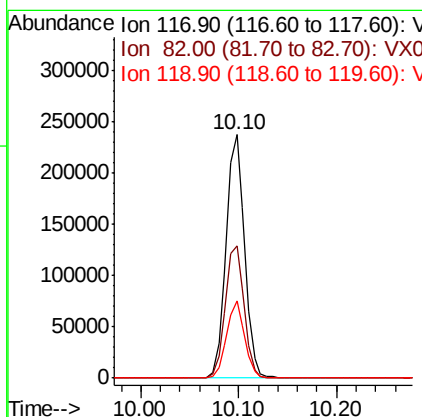
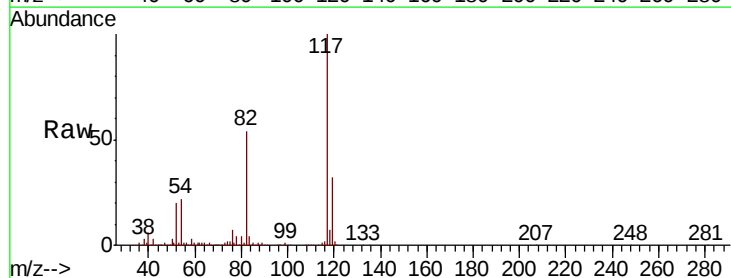
Instrument :
MSVOA_X
ClientSampleId :
FT-MW05I-20201001

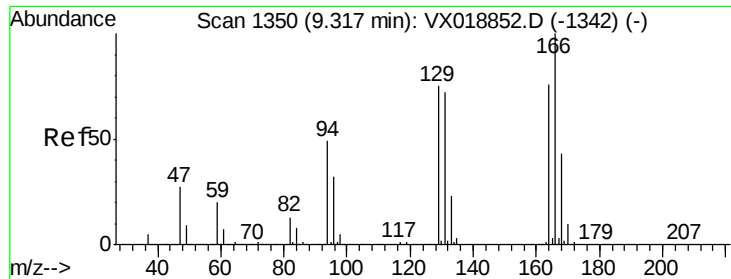
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	160.0
176	81.8	0.0	161.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018889.D
Acq: 10 Oct 2020 05:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.4	65.2
119	31.8	28.3	42.5

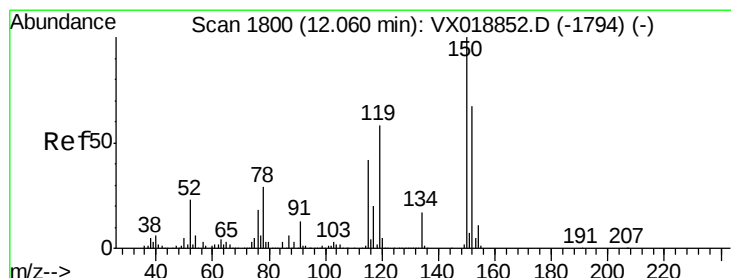
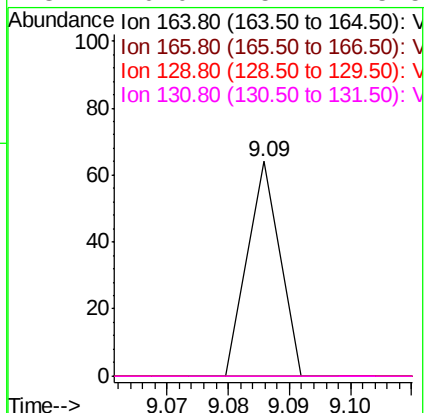
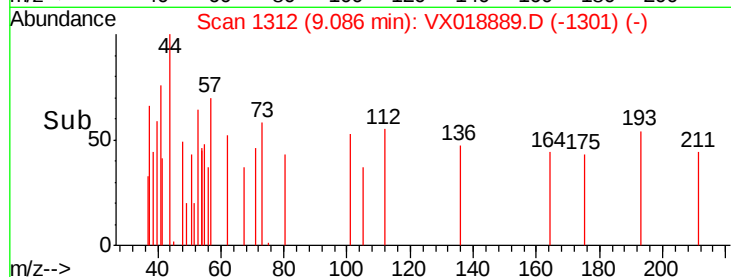
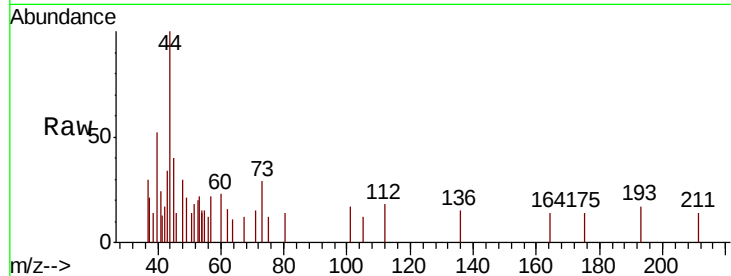




#64
Tetrachloroethene
Concen: Below Cal
RT: 9.09 min Scan# 1312
Delta R.T. -0.23 min
Lab File: VX018889.D
Acq: 10 Oct 2020 05:29

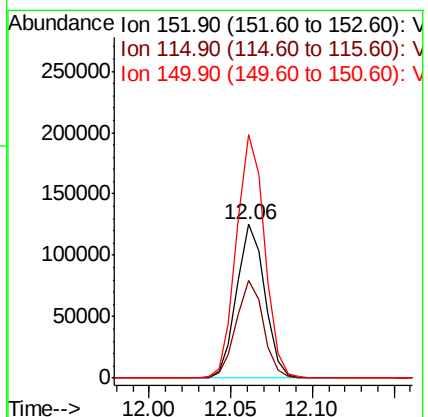
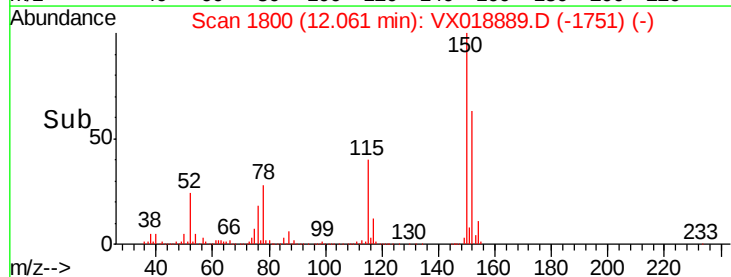
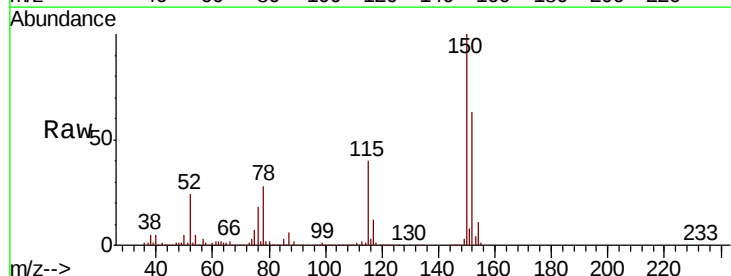
Instrument :
MSVOA_X
ClientSampleId :
FT-MW05I-20201001

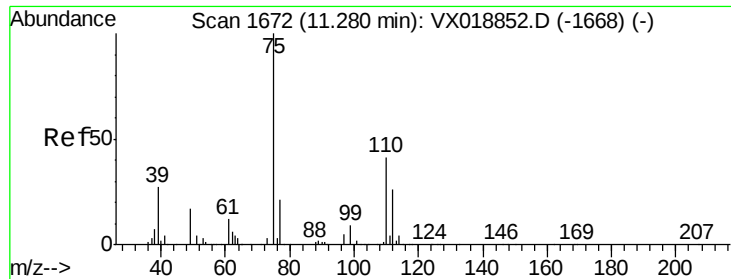
Tot Ion	Ratio	Lower	Upper
164	100		
166	0.0	105.4	158.0#
129	0.0	79.0	118.6#
131	0.0	75.7	113.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018889.D
Acq: 10 Oct 2020 05:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	41.8	125.4
150	158.0	0.0	347.6





#76

1,2,3-Trichloropropane

Concen: 24.728 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

Instrument :

MSVOA_X

ClientSampleId :

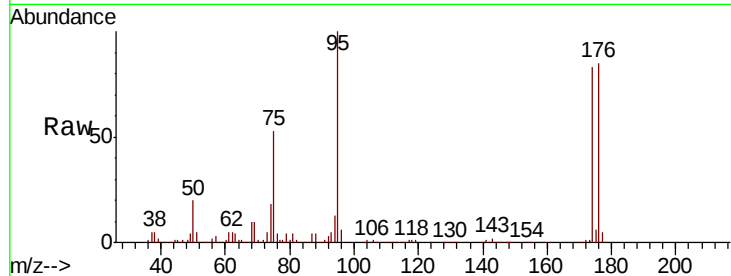
FT-MW05I-20201001

Tot Ion: 75 Resp: 80543

Ion Ratio Lower Upper

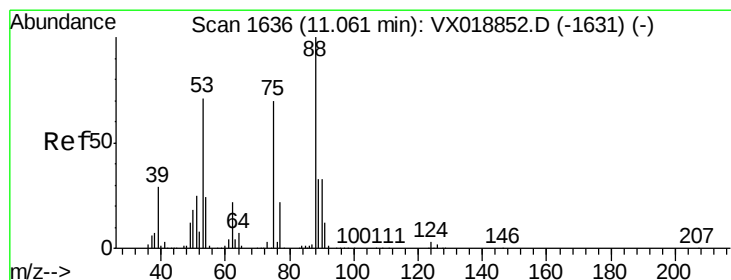
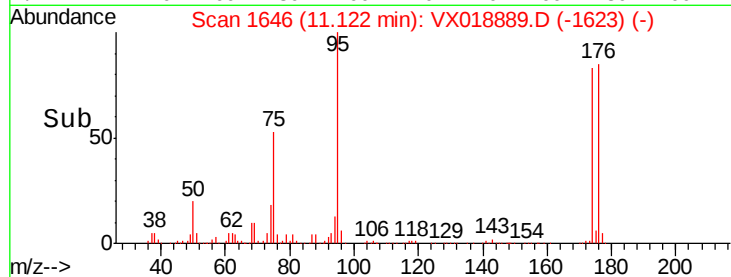
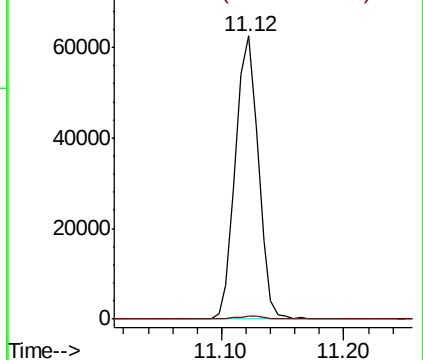
75 100

77 1.3 20.2 60.6#



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: 70.078 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

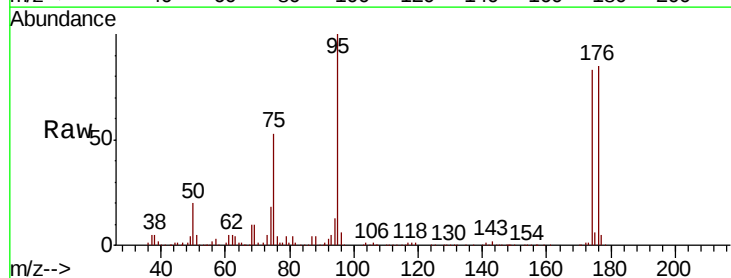
Tgt Ion: 75 Resp: 80543

Ion Ratio Lower Upper

75 100

53 0.4 85.0 127.4#

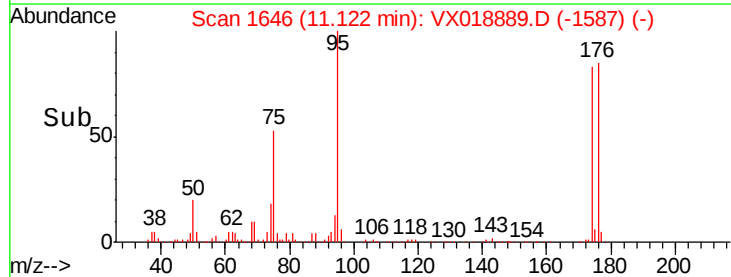
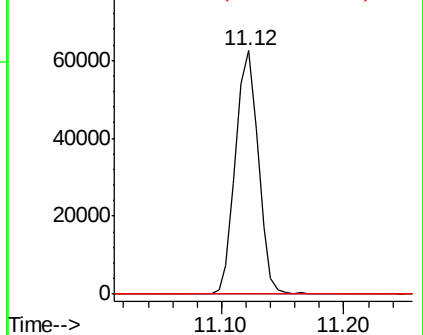
89 0.1 39.0 58.4#

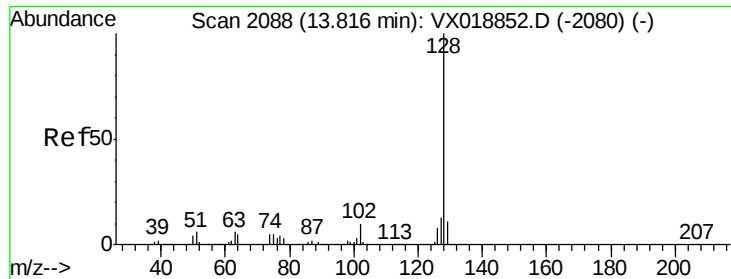


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 3.103 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018889.D

Acq: 10 Oct 2020 05:29

Instrument :

MSVOA_X

ClientSampleId :

FT-MW05I-20201001

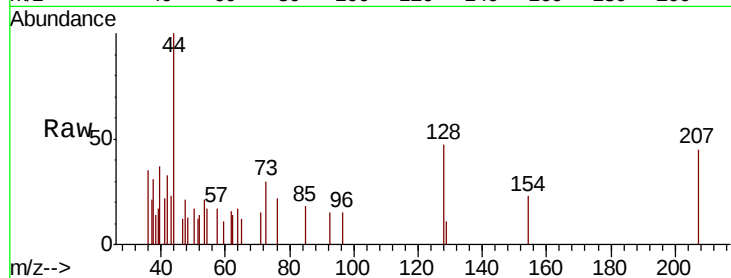
Tot Ion:128 Resp: 282

Ion Ratio Lower Upper

128 100

127 7.8 10.1 15.1#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

