

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100920\
 Data File : VX018893.D
 Acq On : 10 Oct 2020 07:00
 Operator : JC/SP
 Sample : L4303-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW05S-20201003

Quant Time: Oct 10 07:54:19 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	185694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	313834	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	290722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	151385	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	152063	55.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	111.04%		
35) Dibromofluoromethane	5.46	113	113218	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.24%		
50) Toluene-d8	8.70	98	385293	49.66	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.32%		
62) 4-Bromofluorobenzene	11.12	95	139104	44.99	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.98%		

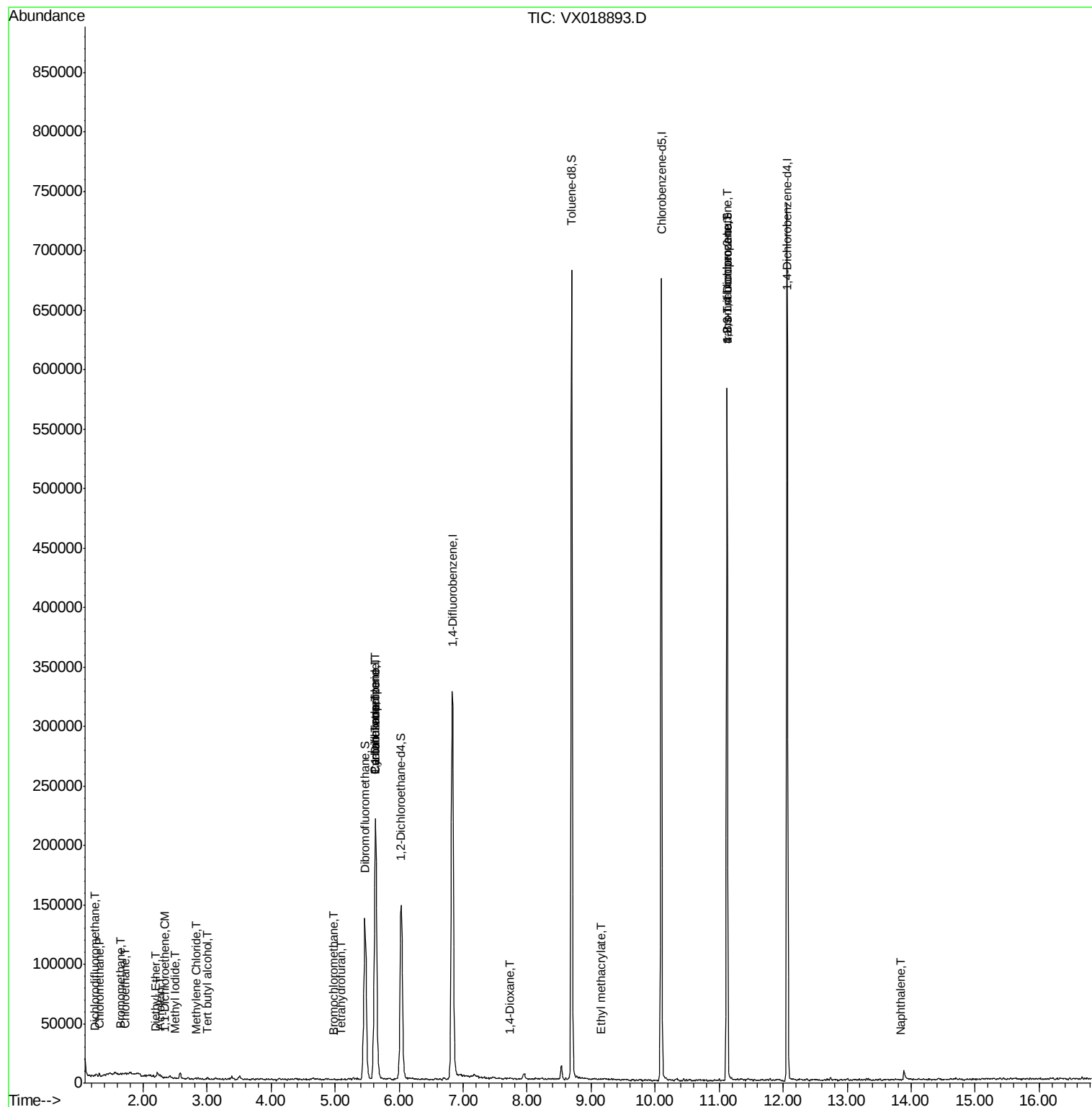
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.25	85	46	1.639	ug/l #	43
3) Chloromethane	1.31	50	1607	0.923	ug/l	98
5) Bromomethane	1.64	94	567	0.523	ug/l #	72
6) Chloroethane	1.71	64	278	0.213	ug/l #	80
8) Diethyl Ether	2.20	74	106	1.127	ug/l	83
10) Methyl Iodide	2.50	142	110	4.044	ug/l #	85
11) Tert butyl alcohol	3.01	59	935	2.168	ug/l #	70
12) 1,1-Dichloroethene	2.35	96	20	0.716	ug/l #	74
13) Acrolein	2.27	56	173	0.482	ug/l #	82
16) Acetone	2.42	43	2208	Below Cal	#	87
20) Methylene Chloride	2.84	84	294	0.653	ug/l #	29
28) Bromochloromethane	4.97	49	110	1.586	ug/l #	8
29) Tetrahydrofuran	5.09	42	216	0.271	ug/l #	42
31) Cyclohexane	5.63	56	4760	1.861	ug/l #	32
36) 1,1-Dichloropropene	5.63	75	16083	4.874	ug/l #	52
38) Carbon Tetrachloride	5.63	117	21118	5.164	ug/l #	21
49) 1,4-Dioxane	7.73	88	104	2.760	ug/l #	1
56) Ethyl methacrylate	9.15	69	24	2.941	ug/l #	1
64) Tetrachloroethene	9.32	164	78	Below Cal	#	35
76) 1,2,3-Trichloropropane	11.12	75	75851	23.254	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	75851	65.900	ug/l #	8
95) Naphthalene	13.82	128	162	3.092	ug/l #	70

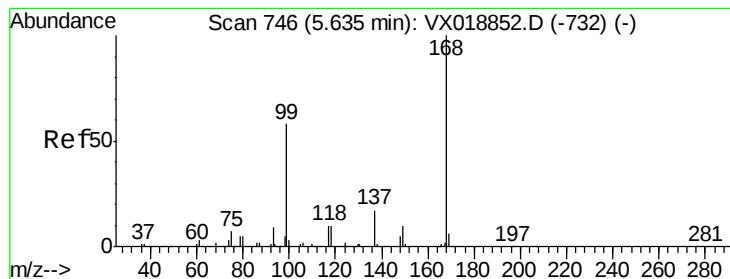
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018893.D

Acq: 10 Oct 2020 07:00

Instrument :

MSVOA_X

ClientSampleId :

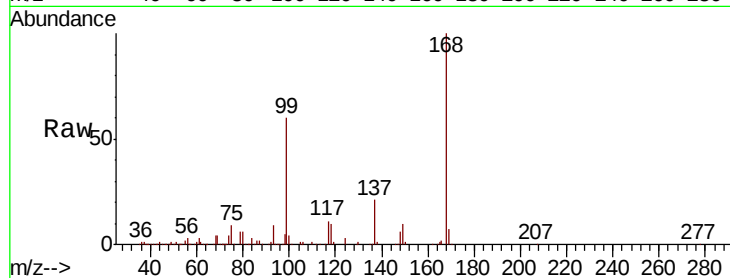
FC-MW05S-20201003

Tot Ion:168 Resp: 185694

Ion Ratio Lower Upper

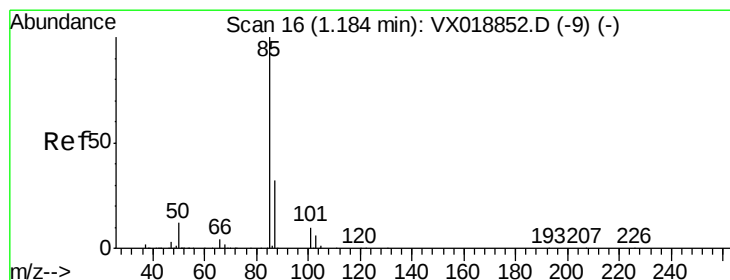
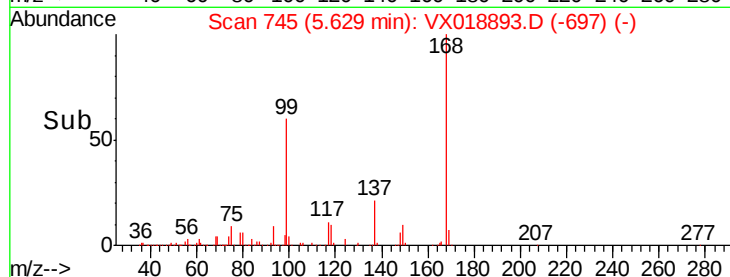
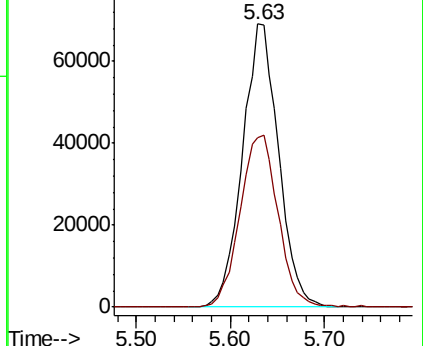
168 100

99 60.0 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: 1.639 ug/l

RT: 1.25 min Scan# 26

Delta R.T. 0.06 min

Lab File: VX018893.D

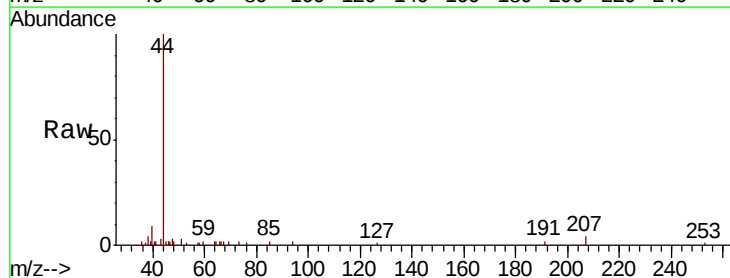
Acq: 10 Oct 2020 07:00

Tgt Ion: 85 Resp: 46

Ion Ratio Lower Upper

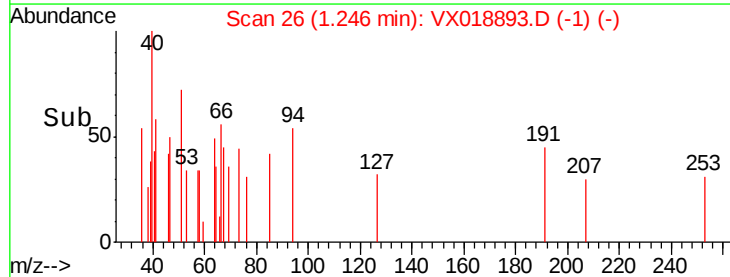
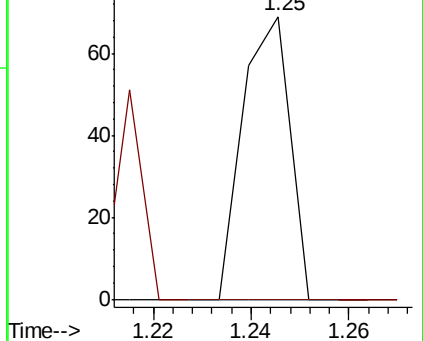
85 100

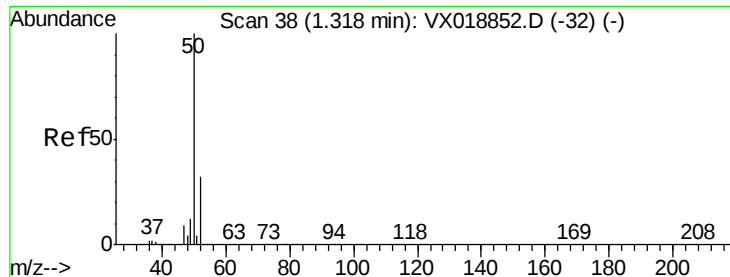
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.923 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX018893.D

Acq: 10 Oct 2020 07:00

Instrument :

MSVOA_X

ClientSampleId :

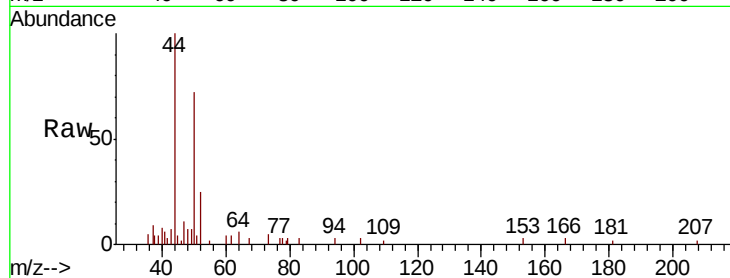
FC-MW05S-20201003

Tot Ion: 50 Resp: 1607

Ion Ratio Lower Upper

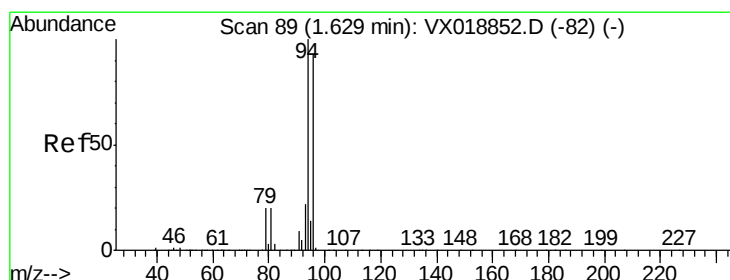
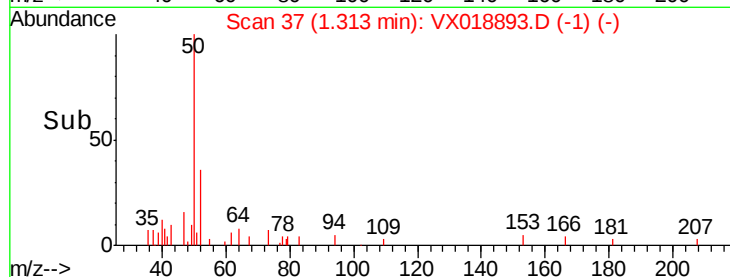
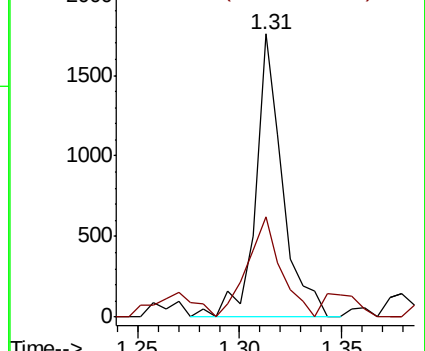
50 100

52 30.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.523 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018893.D

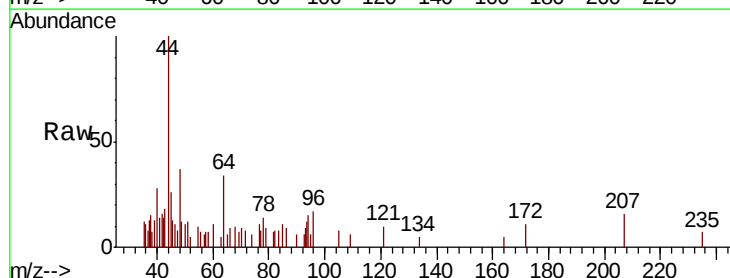
Acq: 10 Oct 2020 07:00

Tgt Ion: 94 Resp: 567

Ion Ratio Lower Upper

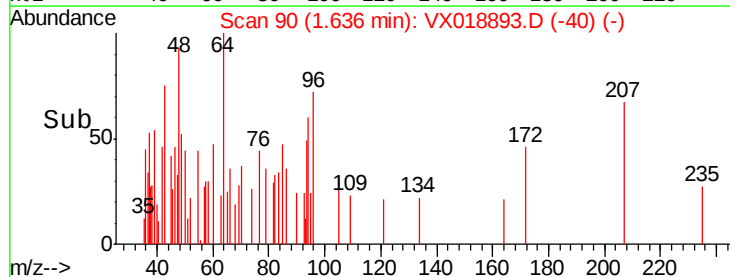
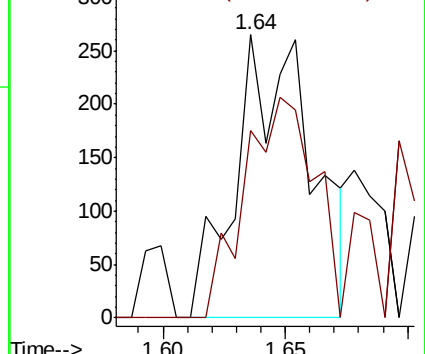
94 100

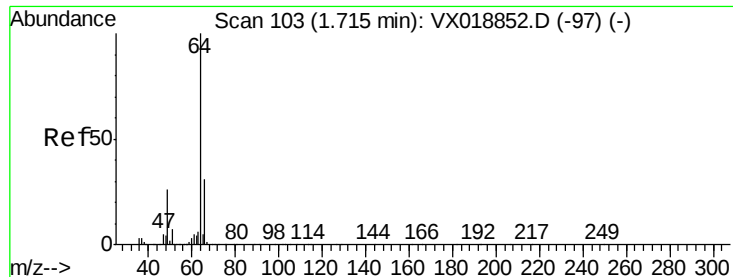
96 66.4 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.213 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.01 min

Lab File: VX018893.D

Acq: 10 Oct 2020 07:00

Instrument :

MSVOA_X

ClientSampleId :

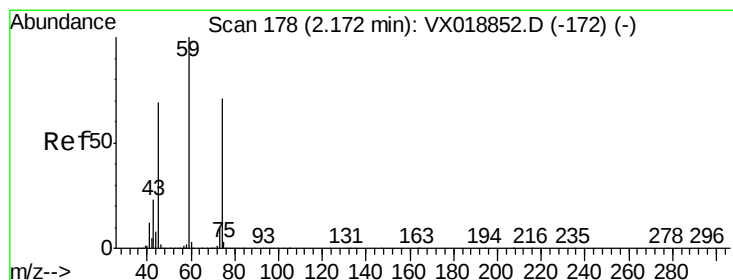
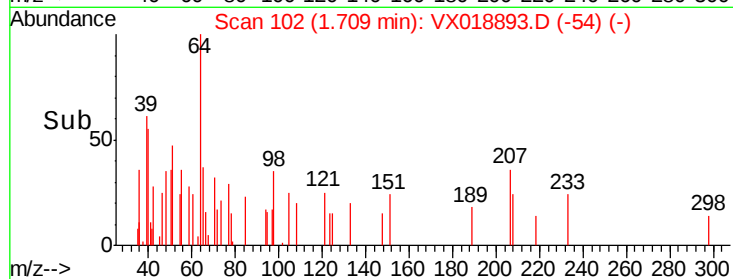
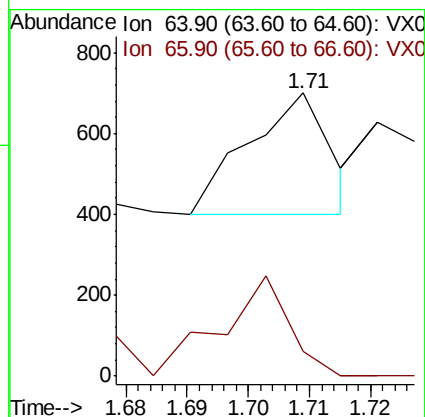
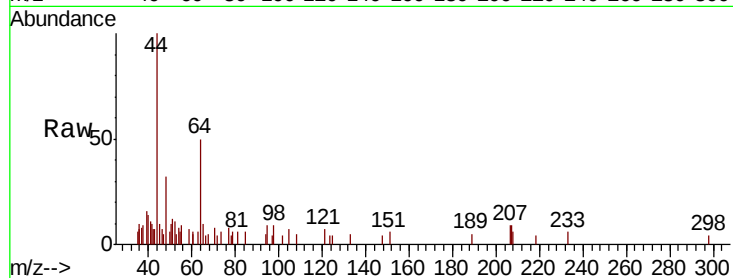
FC-MW05S-20201003

Tot Ion: 64 Resp: 278

Ion Ratio Lower Upper

64 100

66 20.1 24.7 37.1#



#8

Diethyl Ether

Concen: 1.127 ug/l

RT: 2.20 min Scan# 183

Delta R.T. 0.03 min

Lab File: VX018893.D

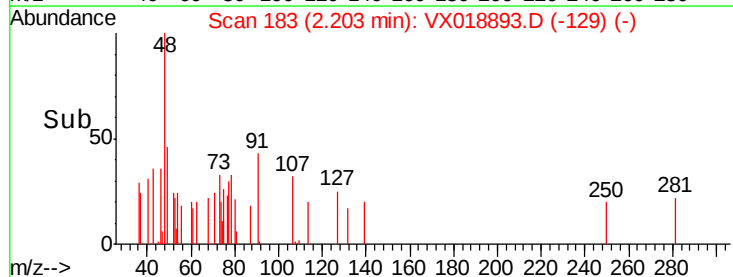
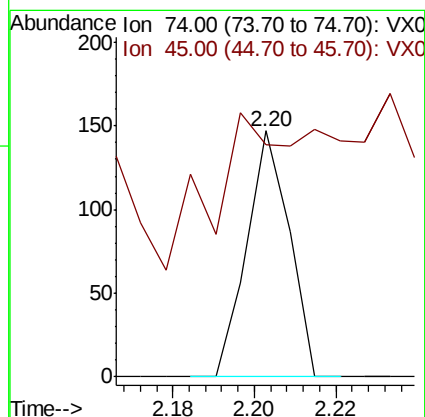
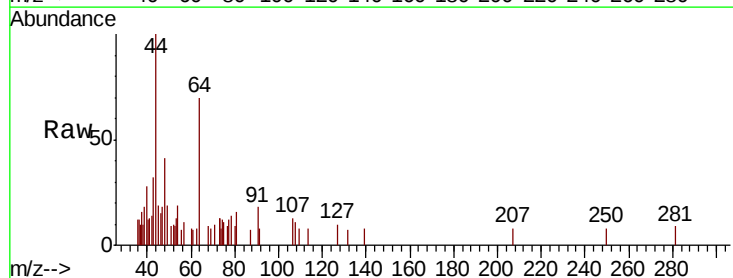
Acq: 10 Oct 2020 07:00

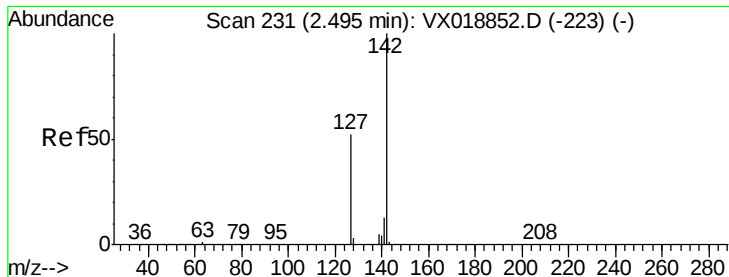
Tgt Ion: 74 Resp: 106

Ion Ratio Lower Upper

74 100

45 110.4 47.0 141.2

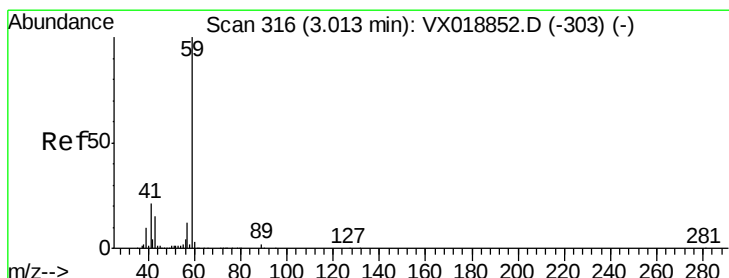
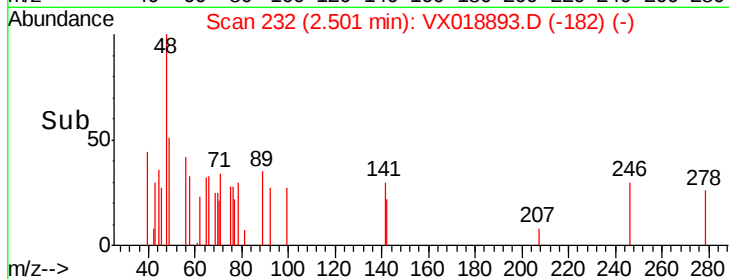
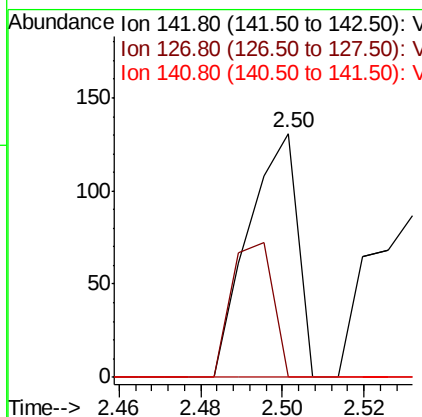
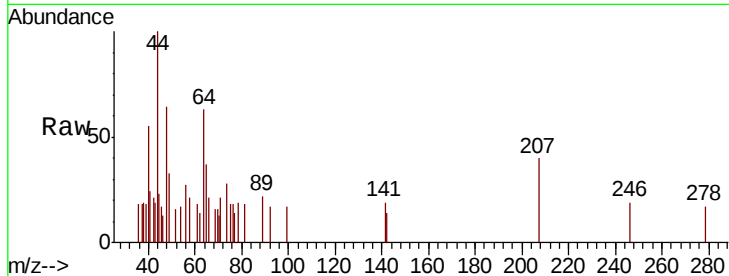




#10
Methyl Iodide
Concen: 4.044 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018893.D
Acq: 10 Oct 2020 07:00

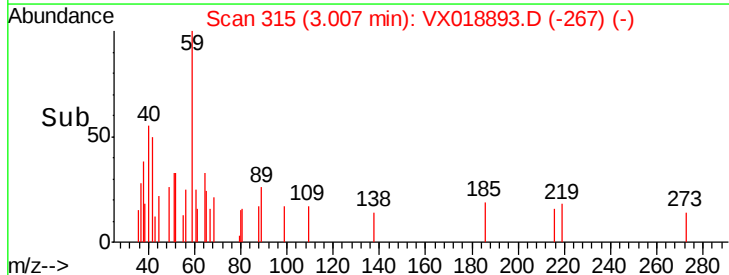
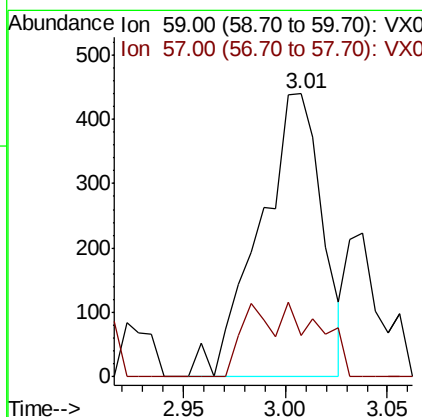
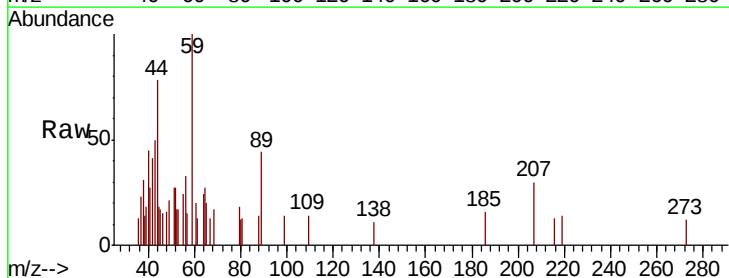
Instrument :
MSVOA_X
ClientSampleId :
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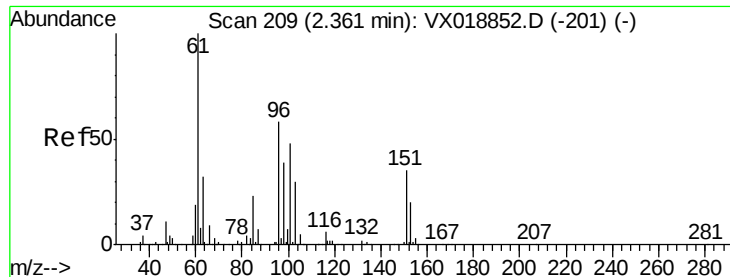
Tot Ion:142 Resp: 110
Ion Ratio Lower Upper
142 100
127 46.4 42.0 63.0
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 2.168 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018893.D
Acq: 10 Oct 2020 07:00

Tgt Ion: 59 Resp: 935
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#

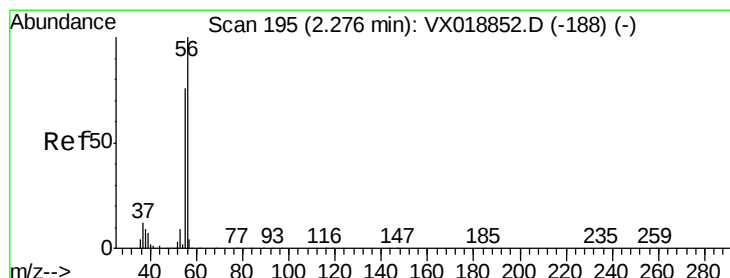
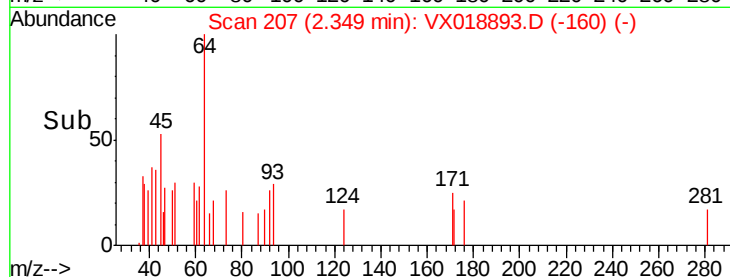
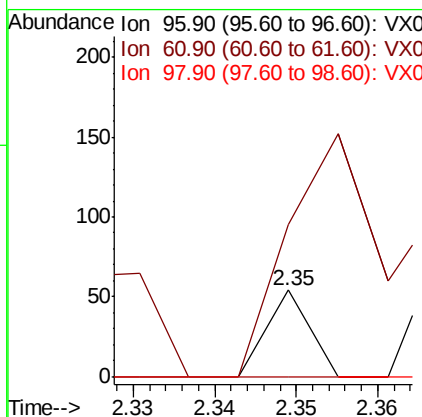
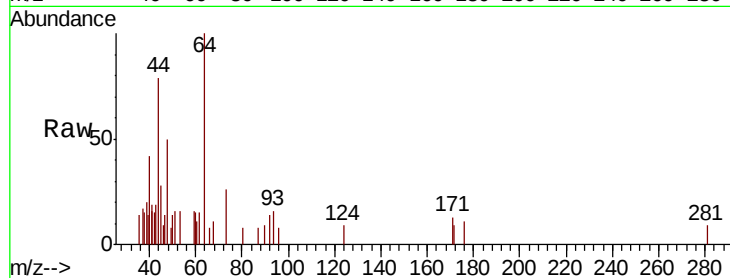




#12
 1,1-Dichloroethene
 Concen: 0.716 ug/l
 RT: 2.35 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VX018893.D
 Acq: 10 Oct 2020 07:00

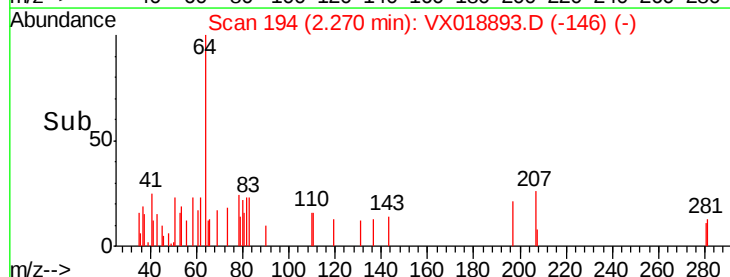
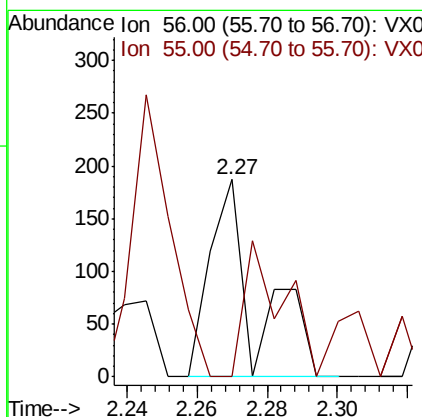
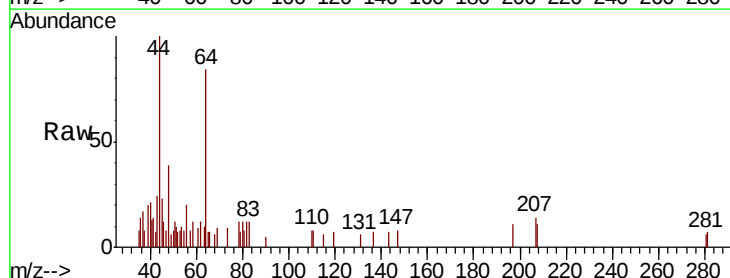
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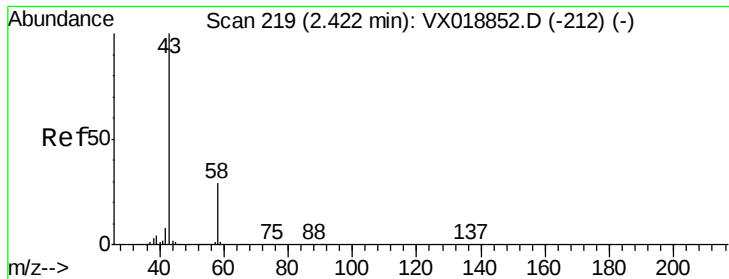
Tot Ion	Ratio	Lower	Upper
96	100		
61	175.9	137.0	205.6
98	0.0	53.9	80.9#



#13
 Acrolein
 Concen: 0.482 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX018893.D
 Acq: 10 Oct 2020 07:00

Tgt Ion	Ratio	Lower	Upper
56	100		
55	58.4	58.6	87.8#

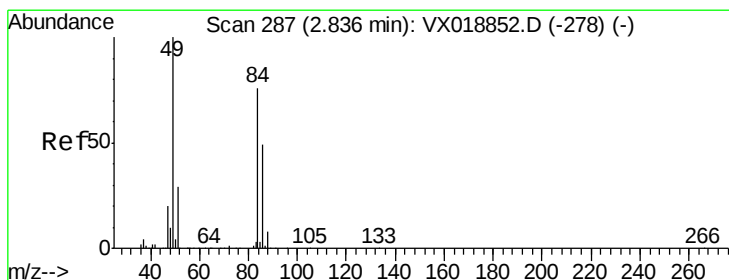
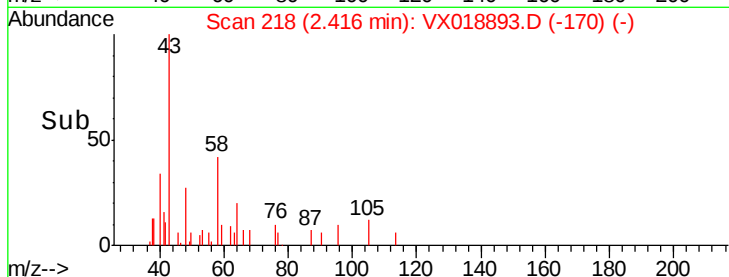
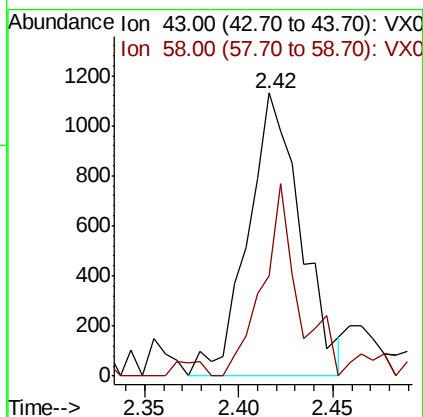
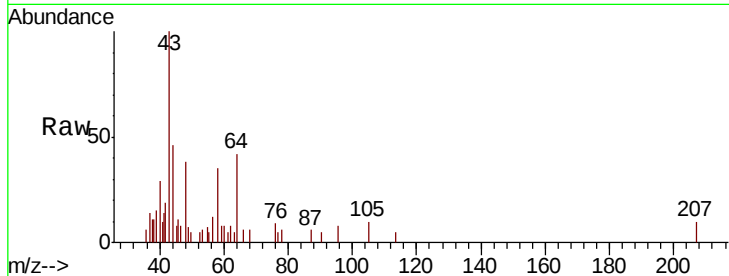




#16
Acetone
Concen: Below Cal
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX018893.D
Acq: 10 Oct 2020 07:00

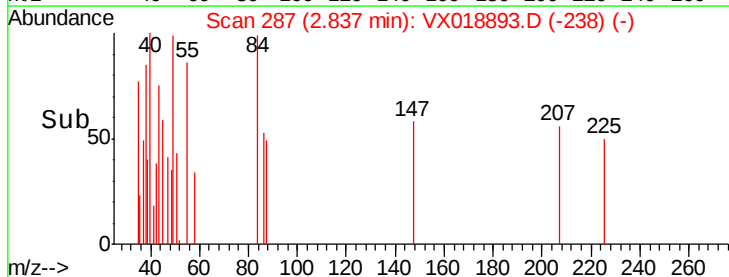
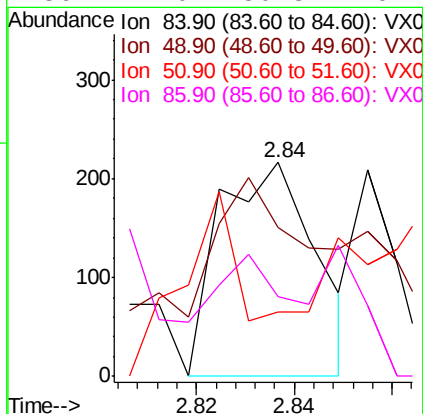
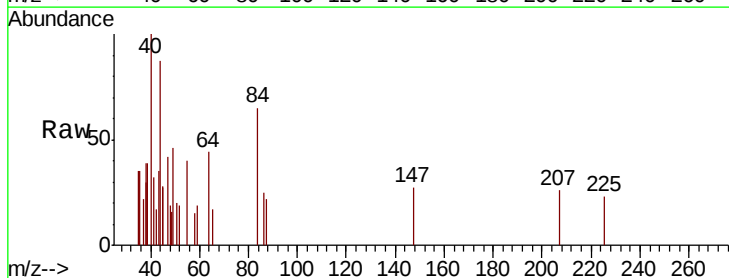
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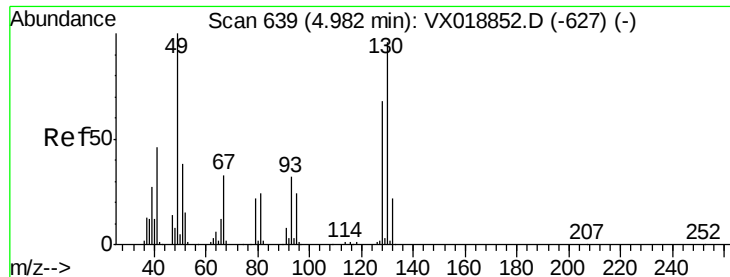
Tot Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
58 35.5 23.0 34.4#



#20
Methylene Chloride
Concen: 0.653 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018893.D
Acq: 10 Oct 2020 07:00

Tgt Ion: 84 Resp: 294
Ion Ratio Lower Upper
84 100
49 42.1 104.8 157.2#
51 0.0 30.6 46.0#
86 12.0 50.8 76.2#





#28

Bromochloromethane

Concen: 1.586 ug/l

RT: 4.97 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX018893.D

Acq: 10 Oct 2020 07:00

Instrument :

MSVOA_X

ClientSampleId :

FC-MW05S-20201003

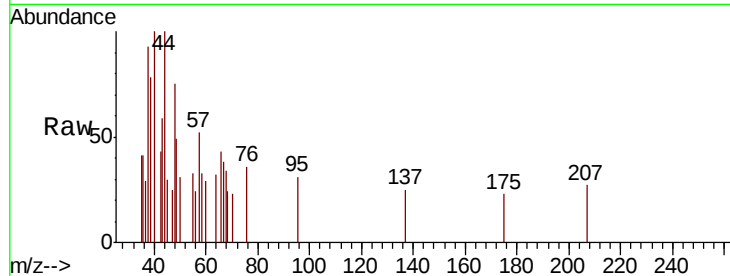
Tot Ion: 49 Resp: 110

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

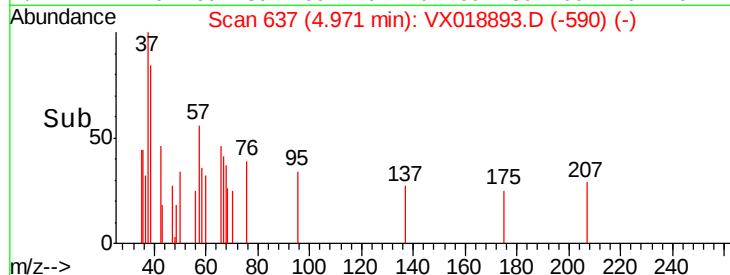
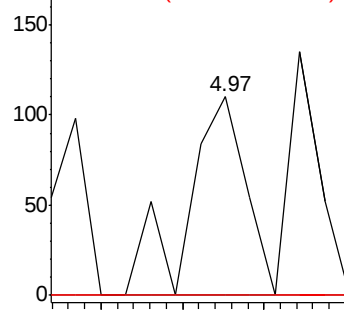
130 0.0 71.2 106.8#



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



#29

Tetrahydrofuran

Concen: 0.271 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX018893.D

Acq: 10 Oct 2020 07:00

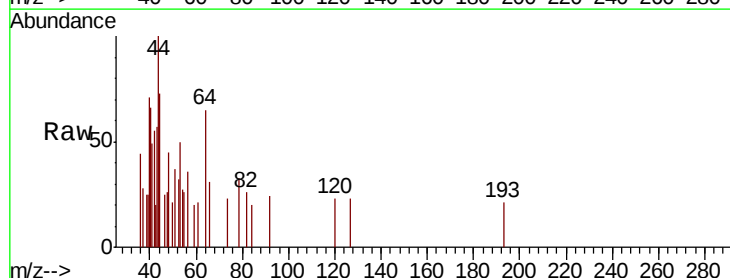
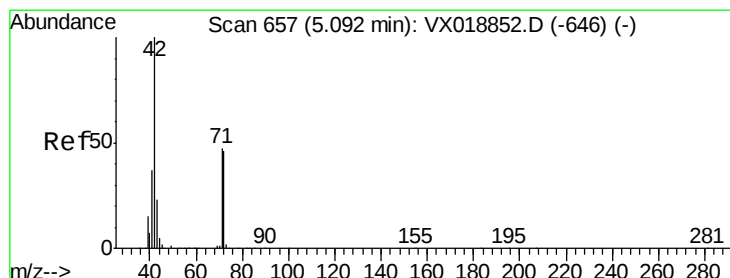
Tgt Ion: 42 Resp: 216

Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

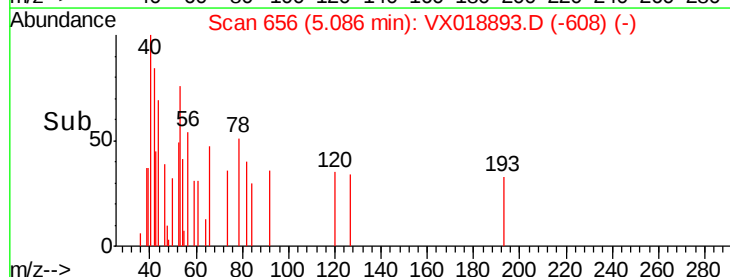
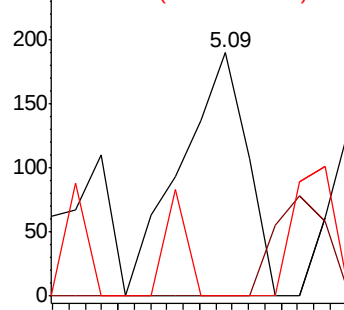
71 13.9 35.2 52.8#

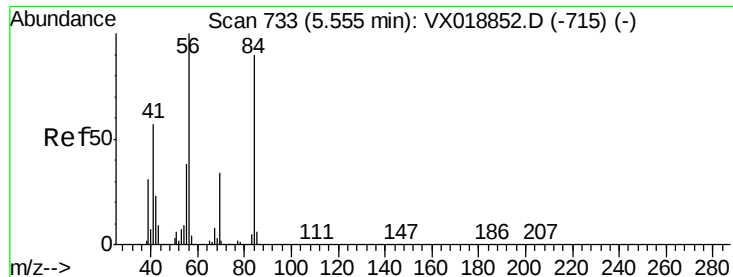


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

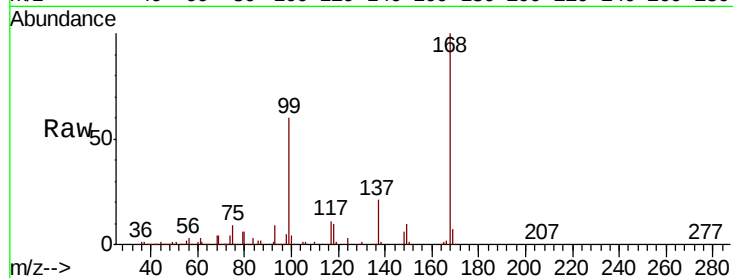




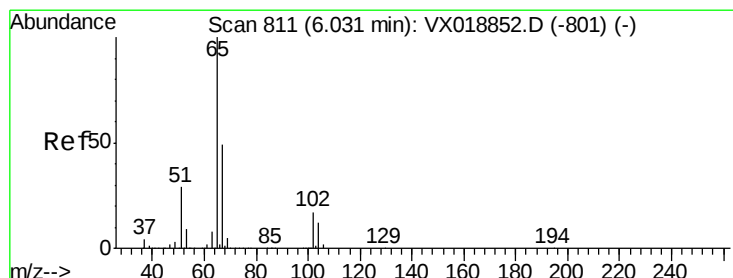
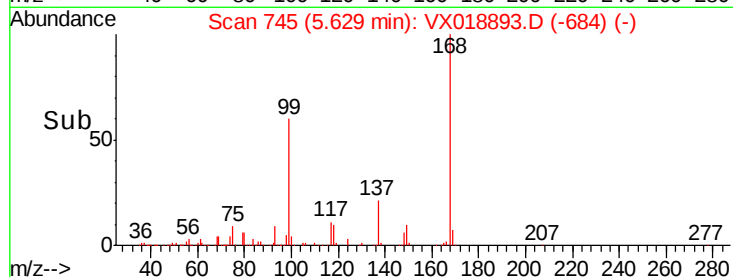
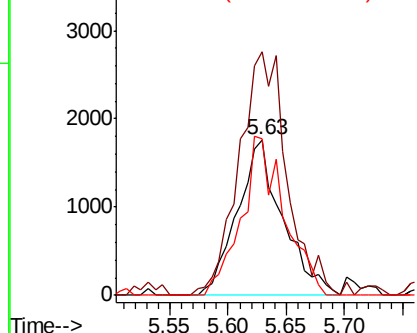
#31
Cyclohexane
Concen: 1.861 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.07 min
Lab File: VX018893.D
Acq: 10 Oct 2020 07:00

Instrument :
MSVOA_X
ClientSampleId :
FC-MW05S-20201003

Tot Ion: 56 Resp: 4760
Ion Ratio Lower Upper
56 100
69 156.8 27.1 40.7#
84 100.7 71.7 107.5

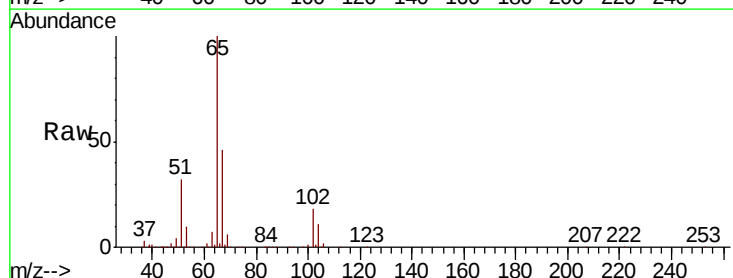


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

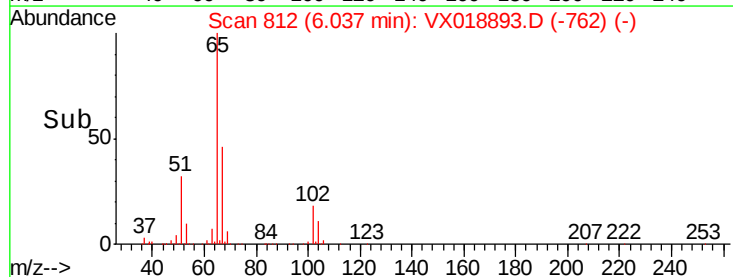
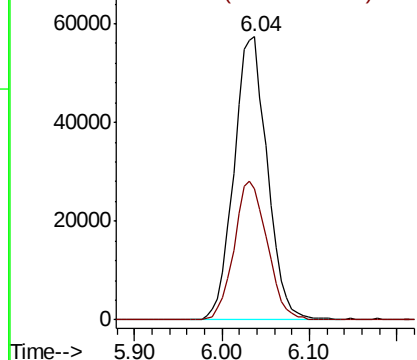


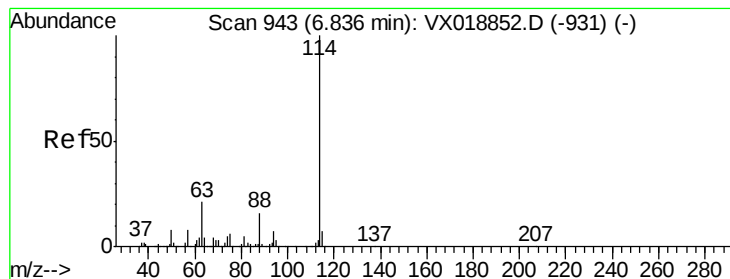
#33
1,2-Dichloroethane-d4
Concen: 55.522 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX018893.D
Acq: 10 Oct 2020 07:00

Tgt Ion: 65 Resp: 152063
Ion Ratio Lower Upper
65 100
67 48.7 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: VX018893.D

Acq: 10 Oct 2020 07:00

Instrument :

MSVOA_X

ClientSampleId :

FC-MW05S-20201003

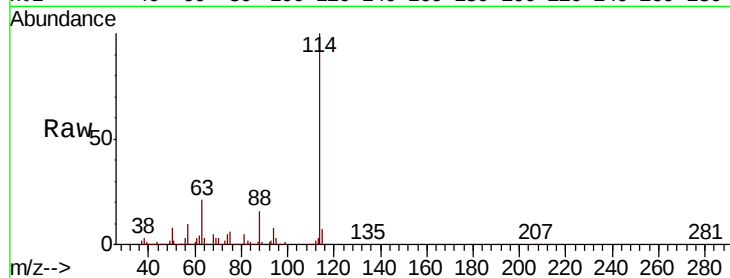
Tot Ion:114 Resp: 313834

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

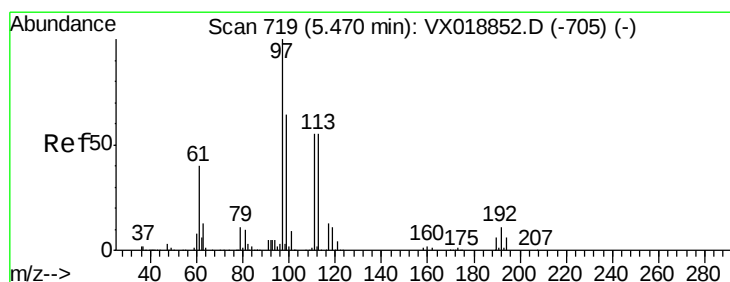
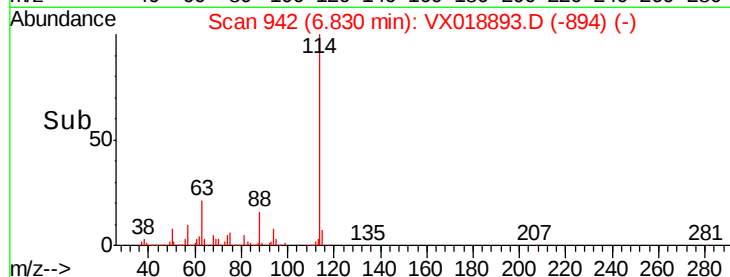
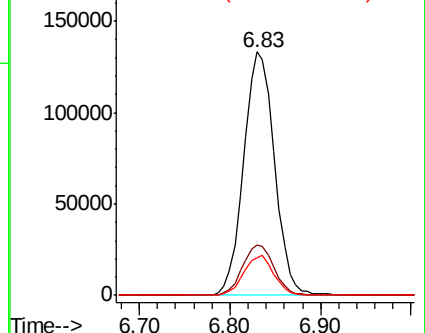
88 15.6 0.0 32.6



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: 50.621 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018893.D

Acq: 10 Oct 2020 07:00

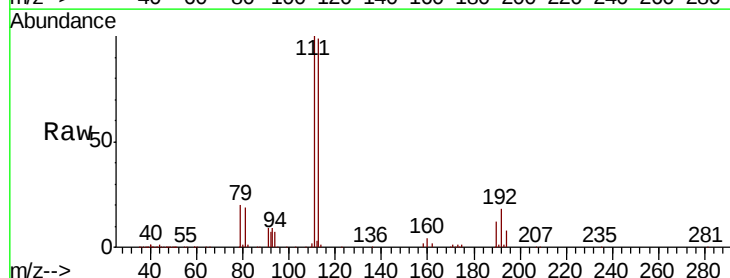
Tgt Ion:113 Resp: 113218

Ion Ratio Lower Upper

113 100

111 102.7 80.1 120.1

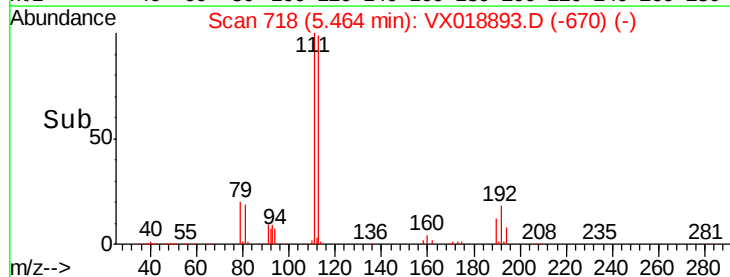
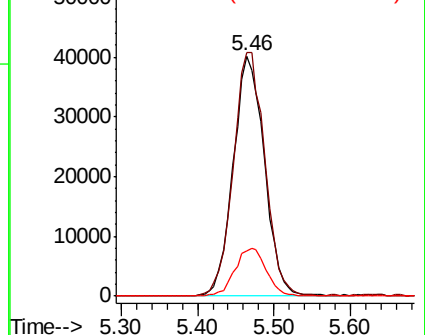
192 20.1 16.0 24.0

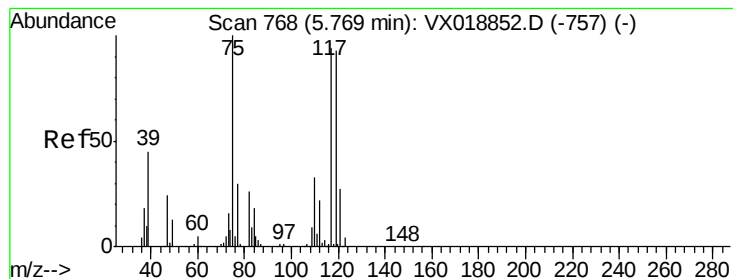


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.874 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018893.D

Acq: 10 Oct 2020 07:00

Instrument :

MSVOA_X

ClientSampleId :

FC-MW05S-20201003

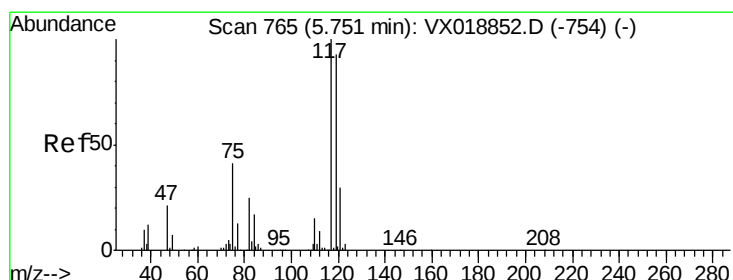
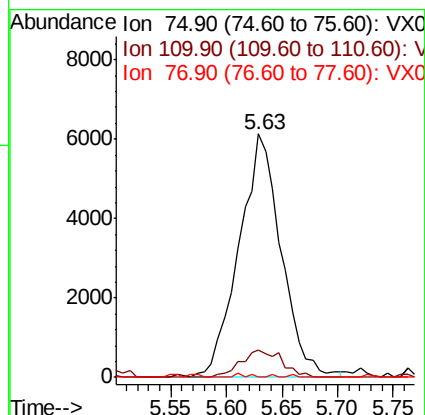
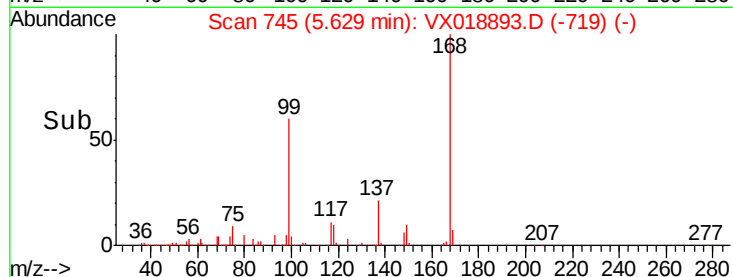
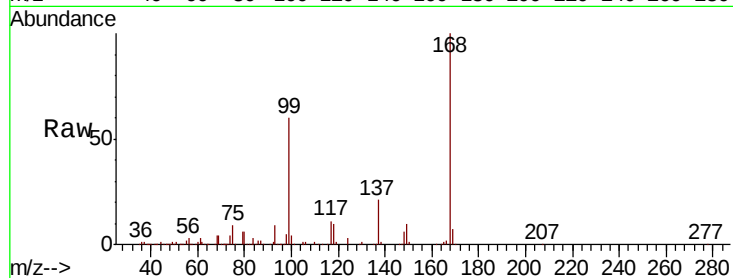
Tot Ion: 75 Resp: 16083

Ion Ratio Lower Upper

75 100

110 11.0 17.8 53.5#

77 0.1 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.164 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018893.D

Acq: 10 Oct 2020 07:00

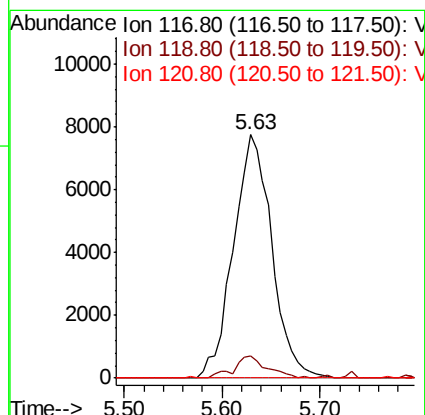
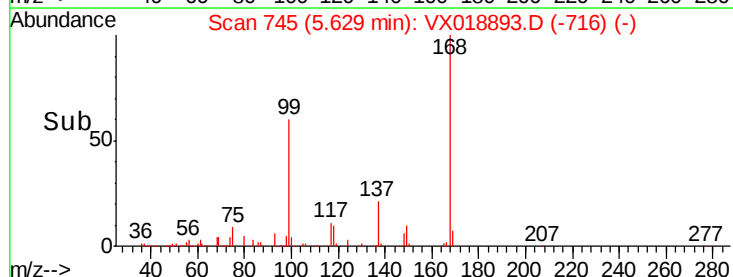
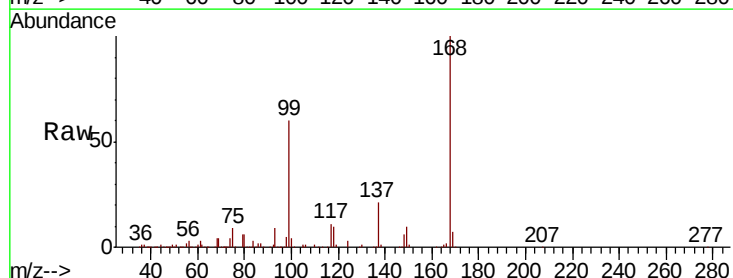
Tgt Ion:117 Resp: 21118

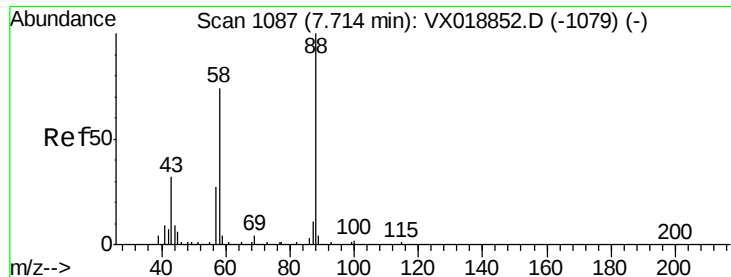
Ion Ratio Lower Upper

117 100

119 9.0 73.9 110.9#

121 0.0 23.6 35.4#

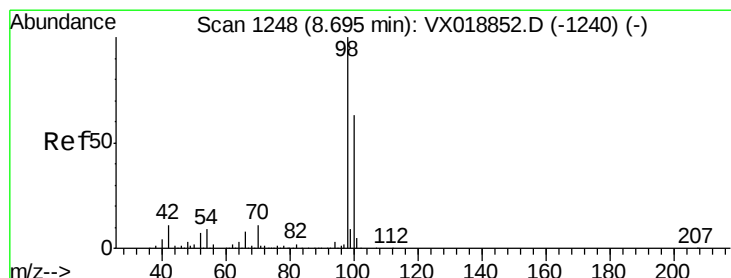
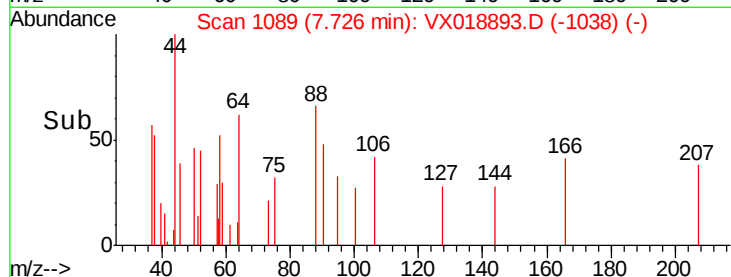
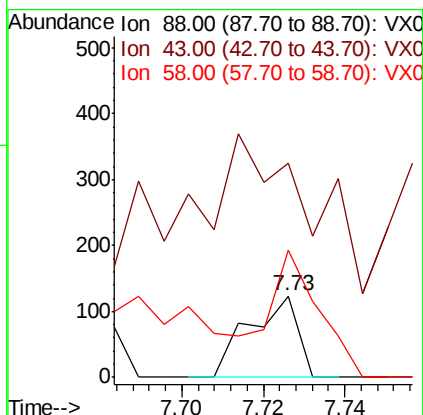
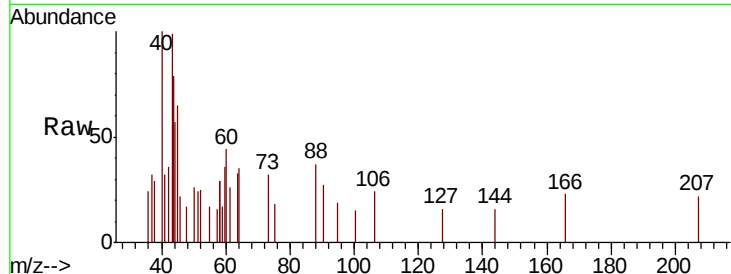




#49
1,4-Dioxane
Concen: 2.760 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX018893.D
Acq: 10 Oct 2020 07:00

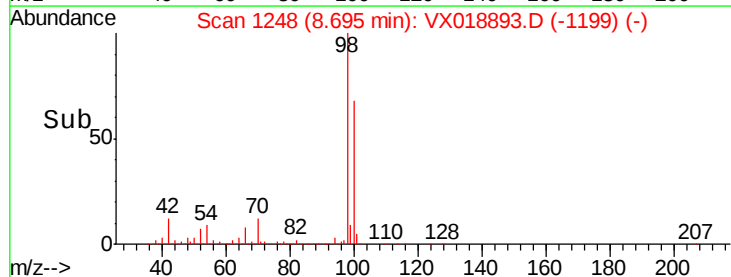
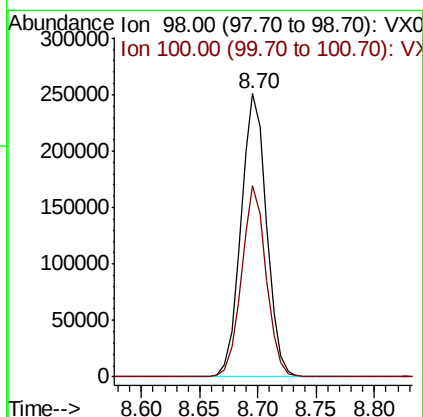
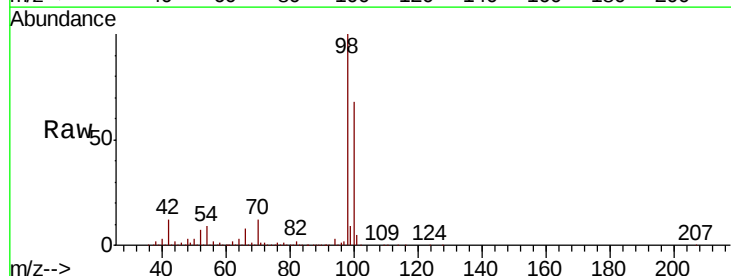
Instrument :
MSVOA_X
ClientSampleId :
FC-MW05S-20201003

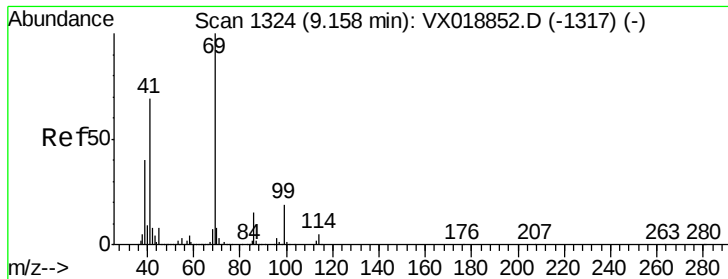
Tot Ion: 88 Resp: 104
Ion Ratio Lower Upper
88 100
43 396.2 31.0 46.6#
58 155.8 59.3 88.9#



#50
Toluene-d8
Concen: 49.663 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018893.D
Acq: 10 Oct 2020 07:00

Tgt Ion: 98 Resp: 385293
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7





#56

Ethyl methacrylate

Concen: 2.941 ug/l

RT: 9.15 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX018893.D

Acq: 10 Oct 2020 07:00

Instrument :

MSVOA_X

ClientSampleId :

FC-MW05S-20201003

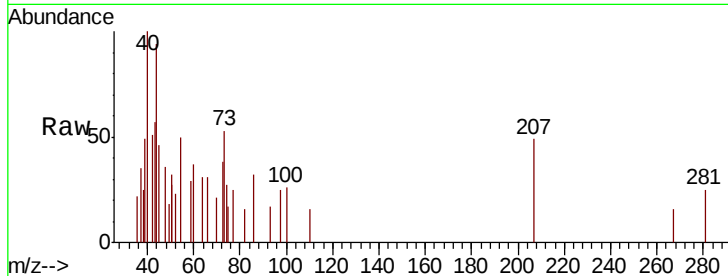
Tot Ion: 69 Resp: 24

Ion Ratio Lower Upper

69 100

41 350.0 54.6 81.8#

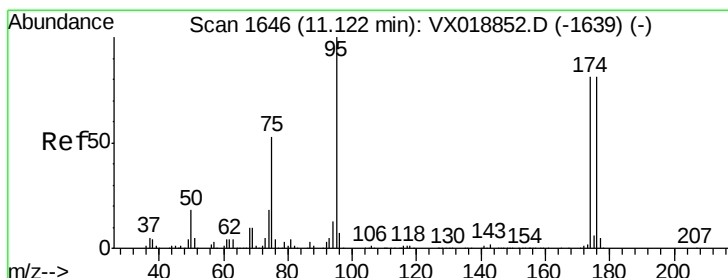
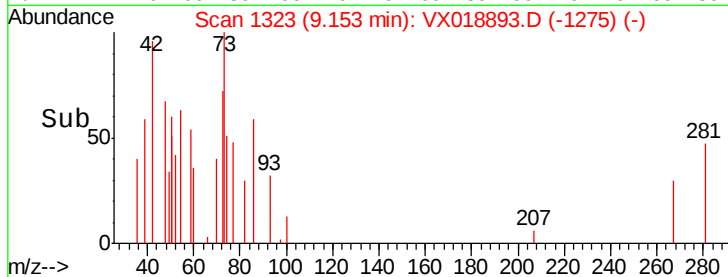
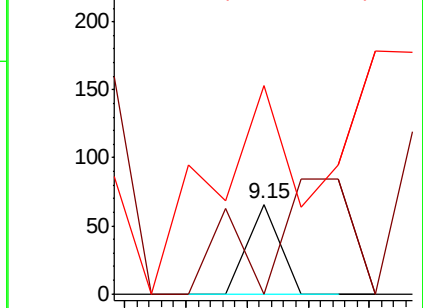
39 579.2 31.5 47.3#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.988 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018893.D

Acq: 10 Oct 2020 07:00

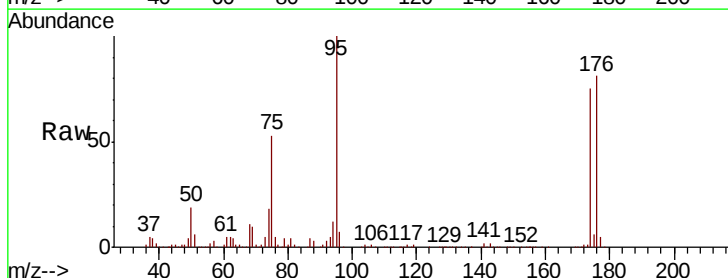
Tgt Ion: 95 Resp: 139104

Ion Ratio Lower Upper

95 100

174 83.9 0.0 160.0

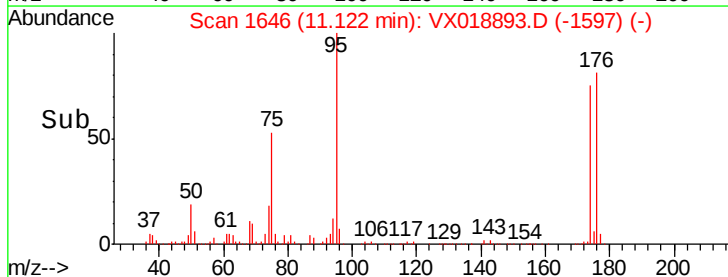
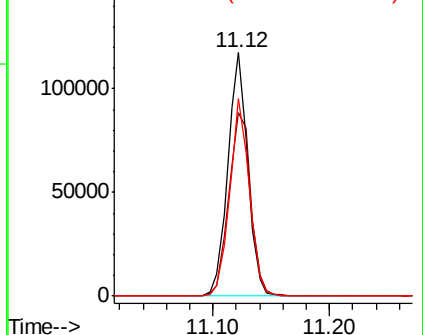
176 80.0 0.0 161.2

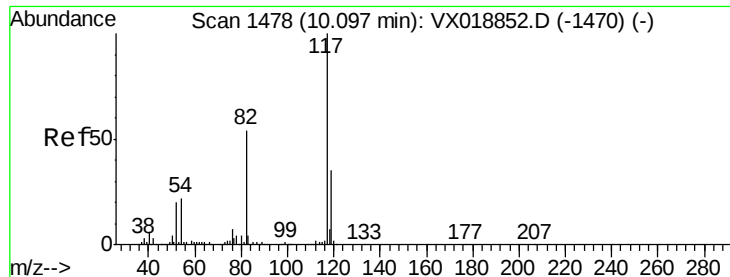


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

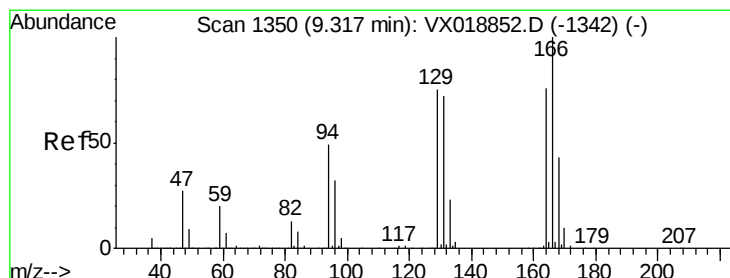
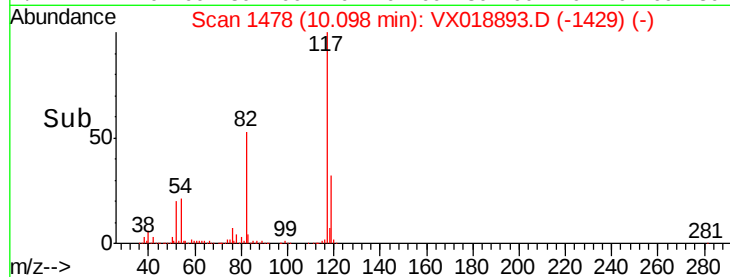
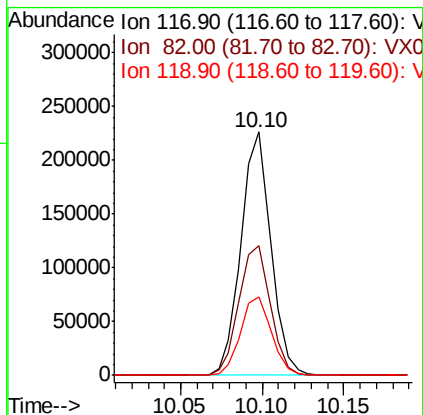
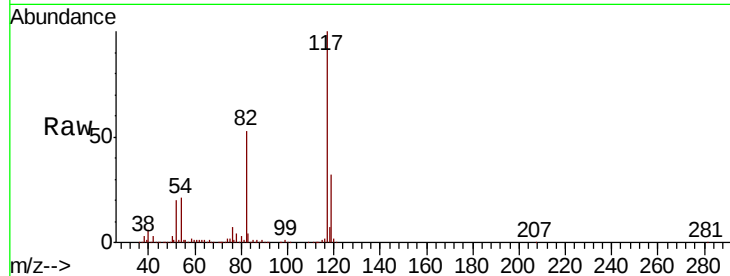




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018893.D
Acq: 10 Oct 2020 07:00

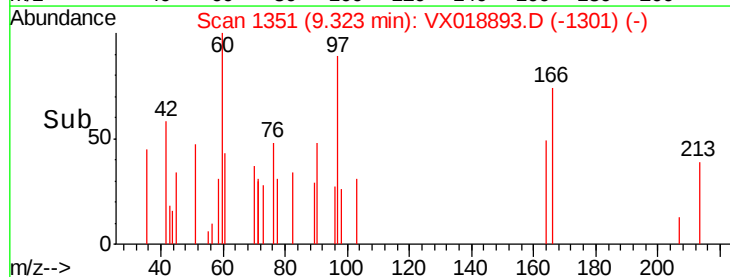
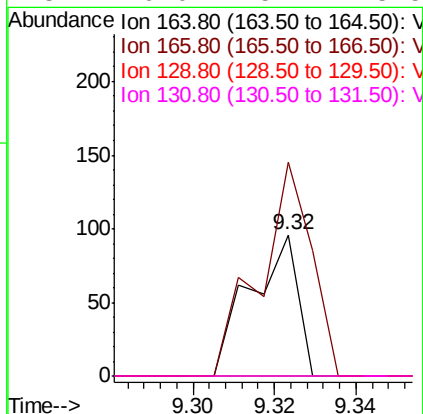
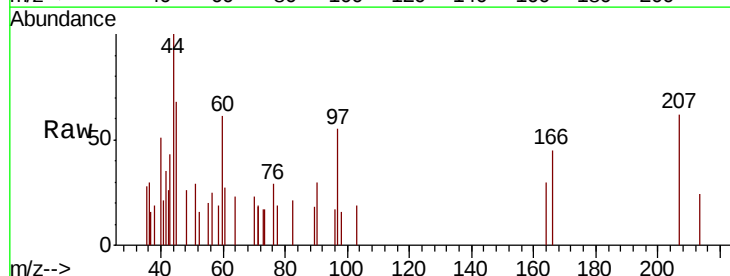
Instrument :
MSVOA_X
ClientSampleId :
FC-MW05S-20201003

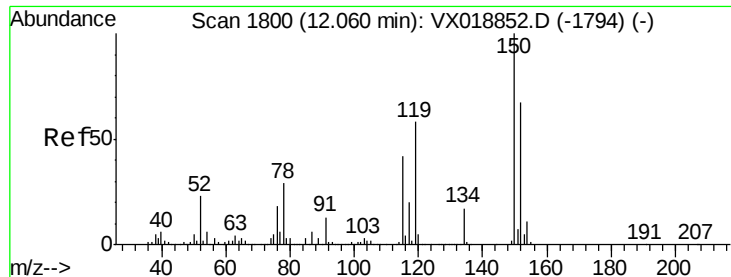
Tot Ion:117 Resp: 290722
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.2
119 32.1 28.3 42.5



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX018893.D
Acq: 10 Oct 2020 07:00

Tgt Ion:164 Resp: 78
Ion Ratio Lower Upper
164 100
166 151.0 105.4 158.0
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: VX018893.D

Acq: 10 Oct 2020 07:00

Instrument :

MSVOA_X

ClientSampleId :

FC-MW05S-20201003

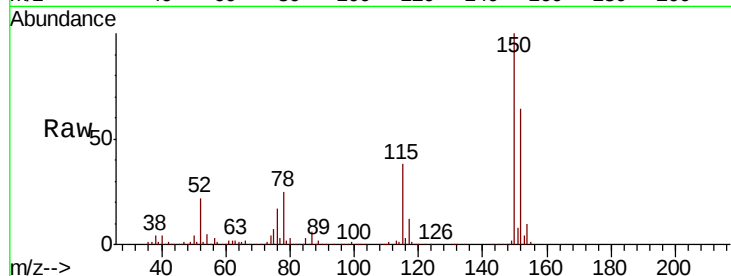
Tot Ion:152 Resp: 151385

Ion Ratio Lower Upper

152 100

115 57.7 41.8 125.4

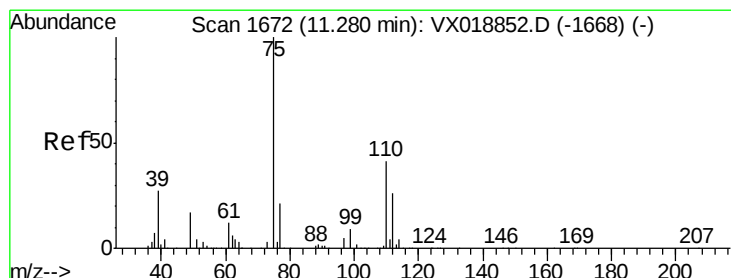
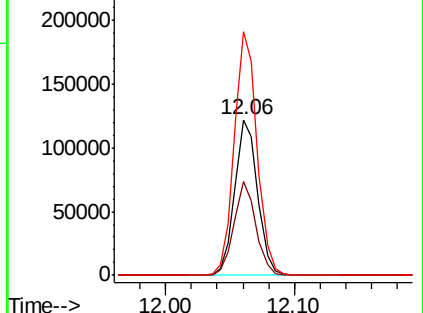
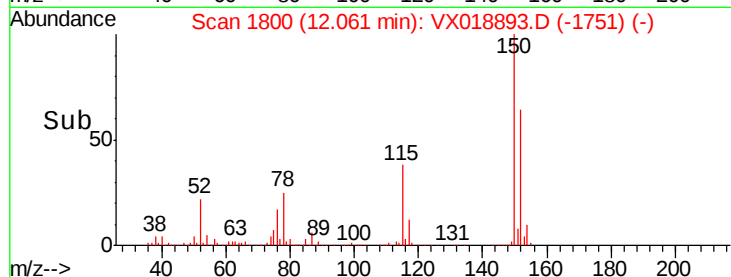
150 155.9 0.0 347.6



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: 23.254 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018893.D

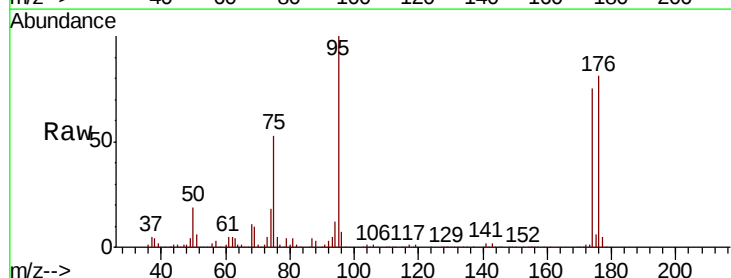
Acq: 10 Oct 2020 07:00

Tgt Ion: 75 Resp: 75851

Ion Ratio Lower Upper

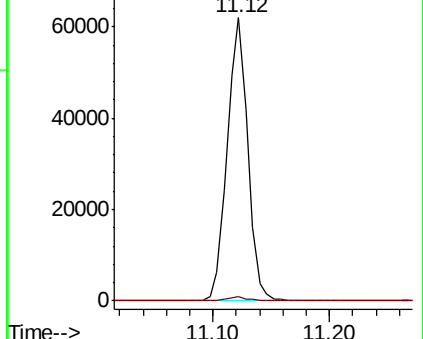
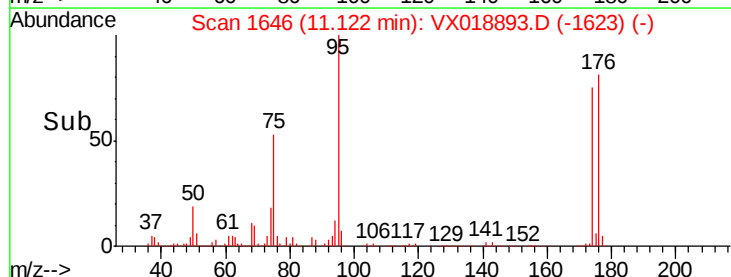
75 100

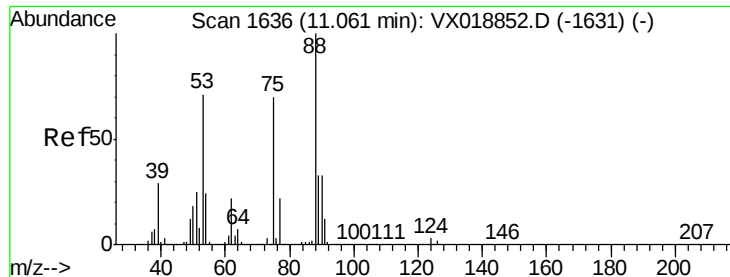
77 1.6 20.2 60.6#



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: 65.900 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018893.D

Acq: 10 Oct 2020 07:00

Instrument :

MSVOA_X

ClientSampleId :

FC-MW05S-20201003

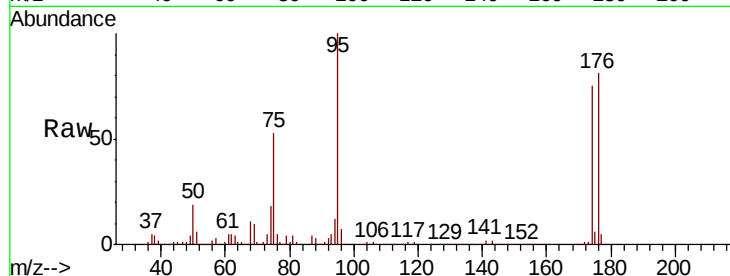
Tot Ion: 75 Resp: 75851

Ion Ratio Lower Upper

75 100

53 0.5 85.0 127.4#

89 0.1 39.0 58.4#

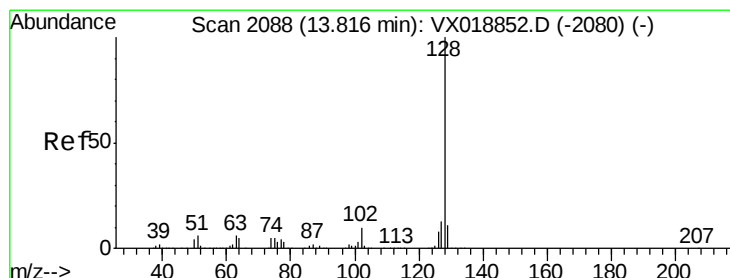
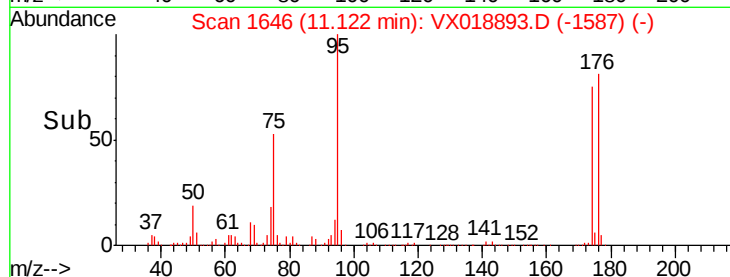
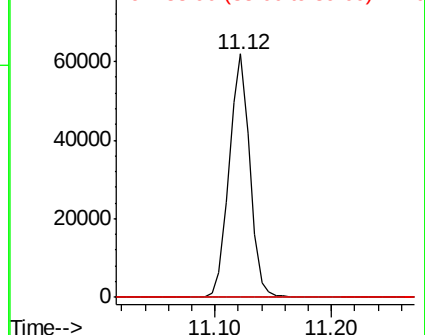


Abundance

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: 3.092 ug/l

RT: 13.82 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VX018893.D

Acq: 10 Oct 2020 07:00

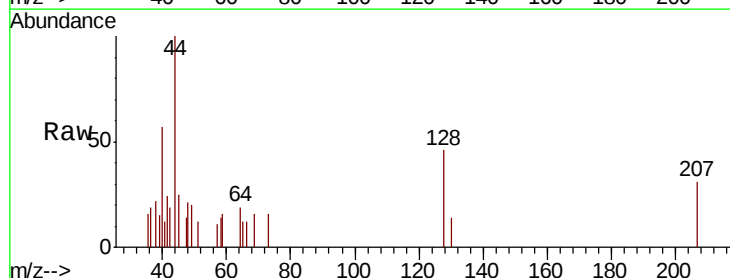
Tgt Ion: 128 Resp: 162

Ion Ratio Lower Upper

128 100

127 0.0 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

