

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082322\
 Data File : VX030730.D
 Acq On : 23 Aug 2022 14:31
 Operator : JC/MD
 Sample : N4245-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW178I-20220816

Quant Time: Sep 06 02:53:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 24 16:33:27 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

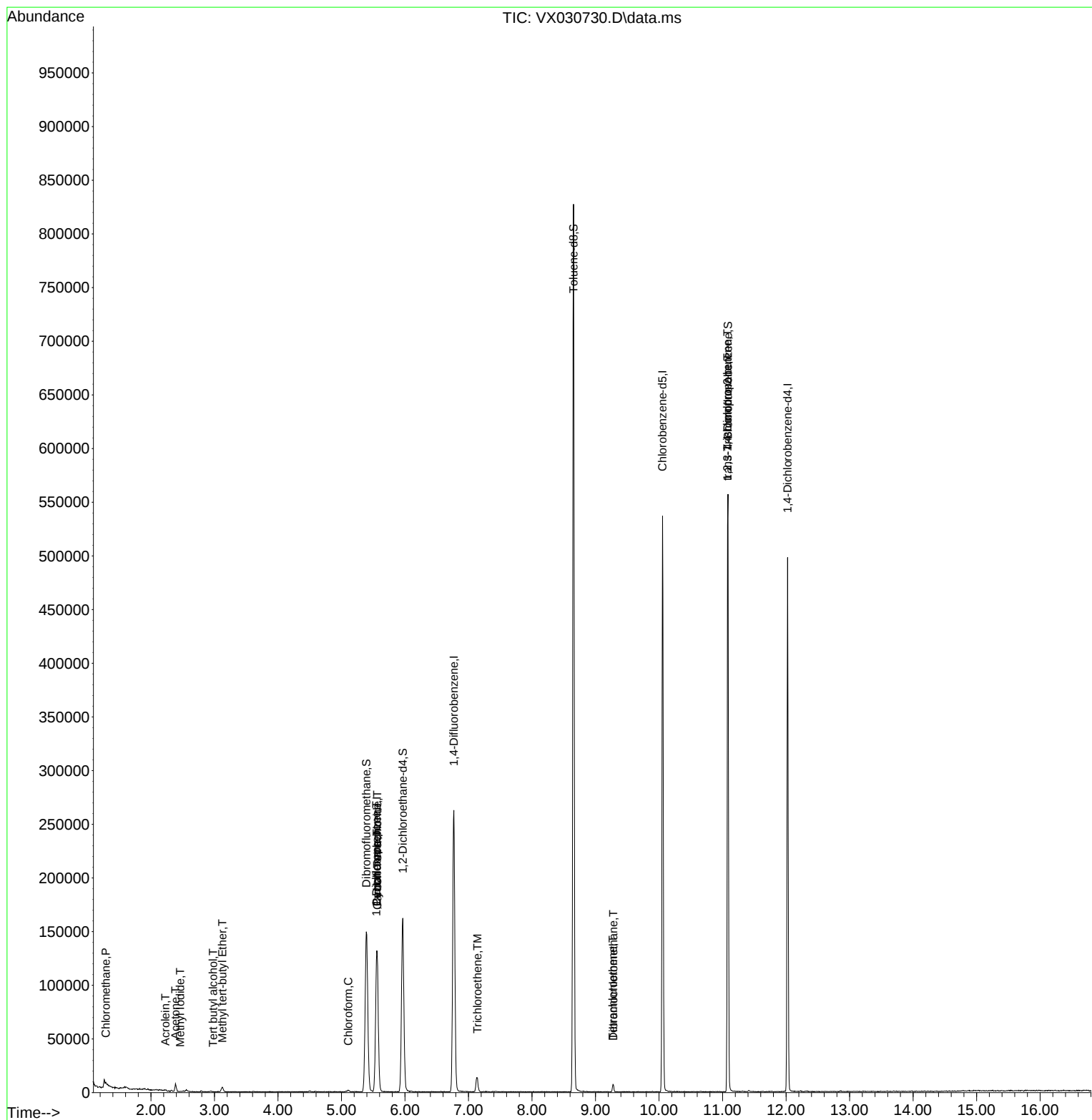
Internal Standards						
1) Pentafluorobenzene	5.556	168	125666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	277742	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	147674	58.466	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.940%
35) Dibromofluoromethane	5.391	113	137704	51.865	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.720%
50) Toluene-d8	8.653	98	497323	48.368	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.740%
62) 4-Bromofluorobenzene	11.085	95	166393	43.604	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.200%
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	462	0.227	ug/l	96
5) Bromomethane	1.617	94	479	Below Cal	#	66
10) Methyl Iodide	2.459	142	253	1.650	ug/l #	45
11) Tert butyl alcohol	2.977	59	129	0.209	ug/l #	74
13) Acrolein	2.227	56	38	0.251	ug/l #	33
16) Acetone	2.386	43	7045	5.448	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	4762	0.708	ug/l	95
20) Methylene Chloride	2.794	84	385	Below Cal	#	65
30) Chloroform	5.105	83	1729	0.429	ug/l	97
31) Cyclohexane	5.556	56	2684	0.732	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10180	2.664	ug/l #	48
38) Carbon Tetrachloride	5.562	117	13429	3.765	ug/l #	18
44) Trichloroethene	7.141	130	6010	1.830	ug/l	84
60) Dibromochloromethane	9.281	129	1548	0.535	ug/l #	11
64) Tetrachloroethene	9.275	164	1406	0.529	ug/l	86
67) Ethyl Benzene	10.195	91	63	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.079	75	76724	29.297	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	76724	87.890	ug/l #	13

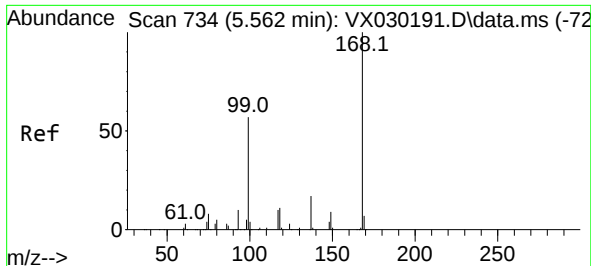
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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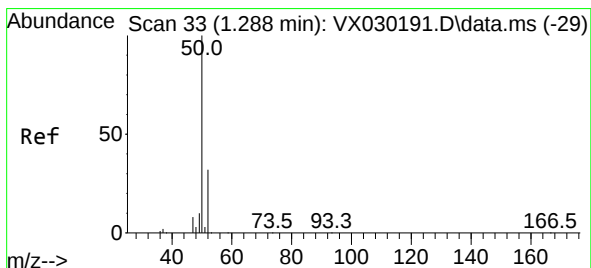
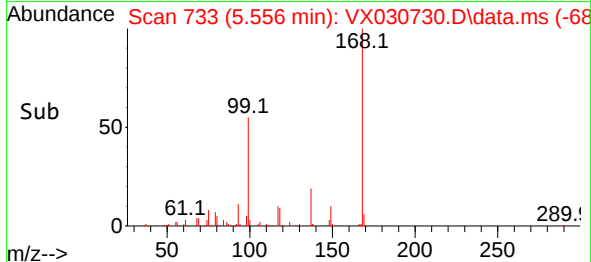
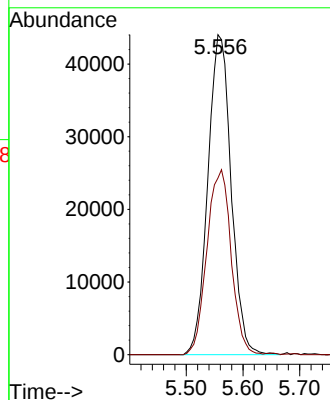
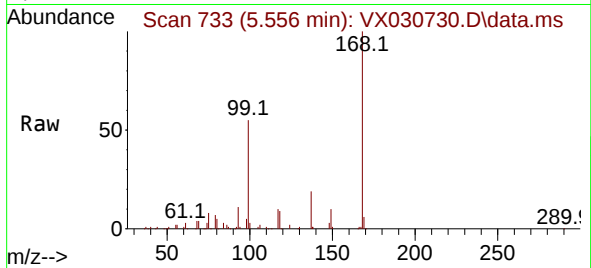




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

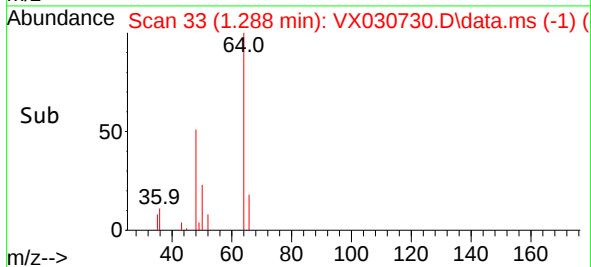
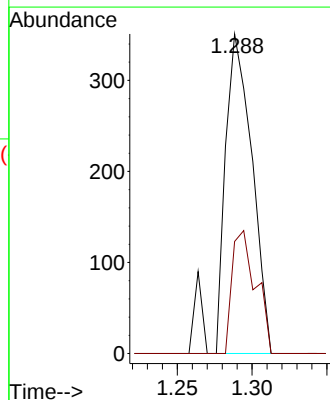
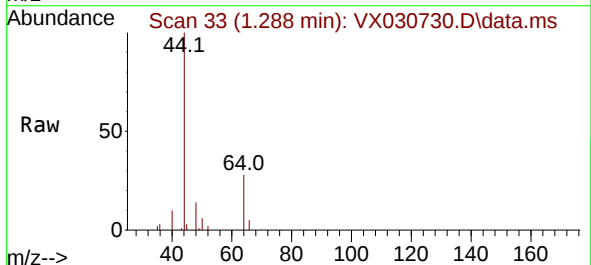
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

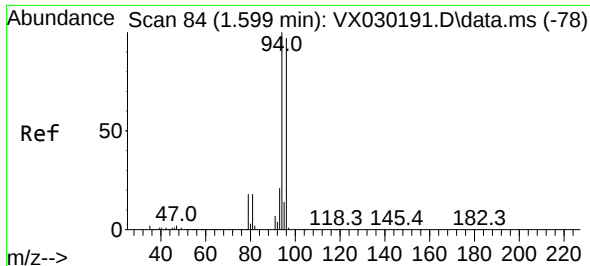
Tgt Ion:168 Resp: 125666
Ion Ratio Lower Upper
168 100
99 55.2 44.0 66.0



#3
Chloromethane
Concen: 0.227 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

Tgt Ion: 50 Resp: 462
Ion Ratio Lower Upper
50 100
52 35.0 26.3 39.5

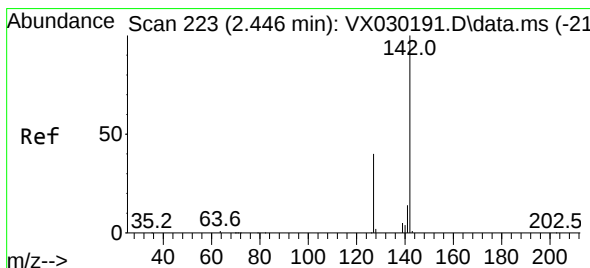
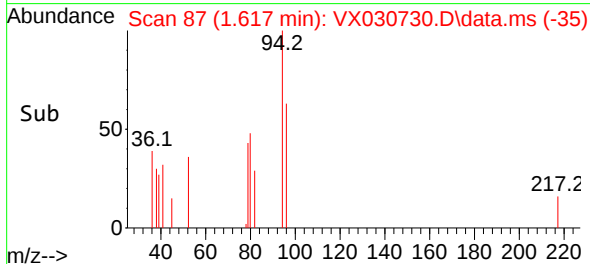
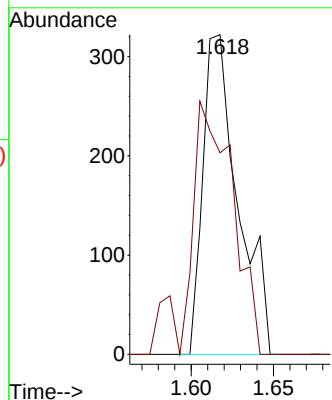
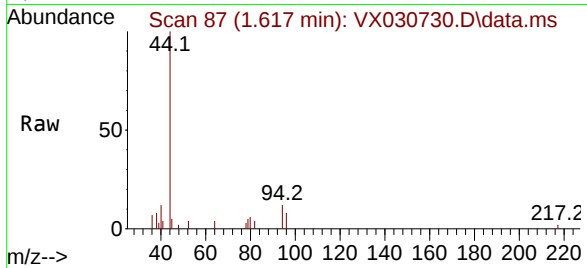




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

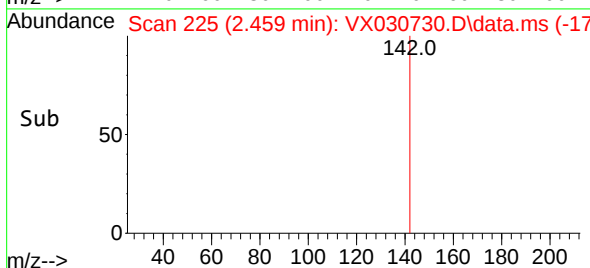
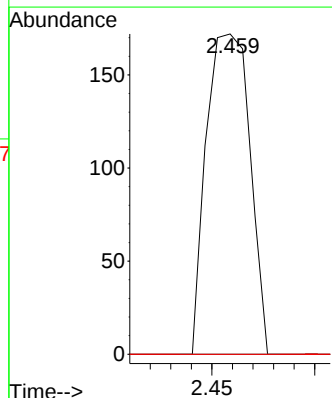
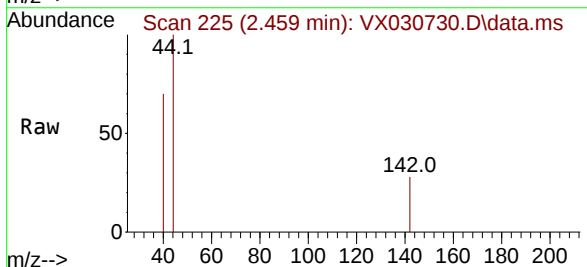
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

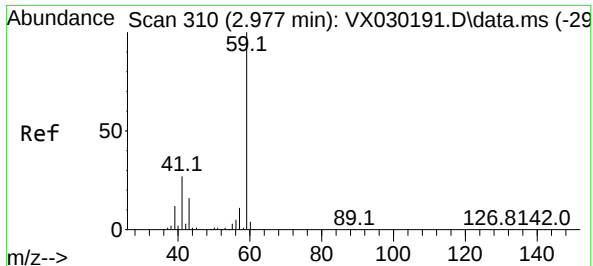
Tgt Ion: 94 Resp: 479
Ion Ratio Lower Upper
94 100
96 63.0 76.9 115.3#



#10
Methyl Iodide
Concen: 1.650 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.013 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

Tgt Ion: 142 Resp: 253
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 0.209 ug/l

RT: 2.977 min Scan# 310

Delta R.T. 0.000 min

Lab File: VX030730.D

Acq: 23 Aug 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

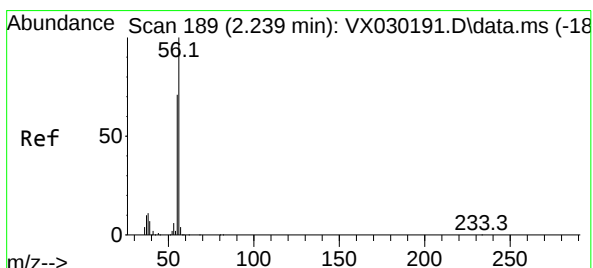
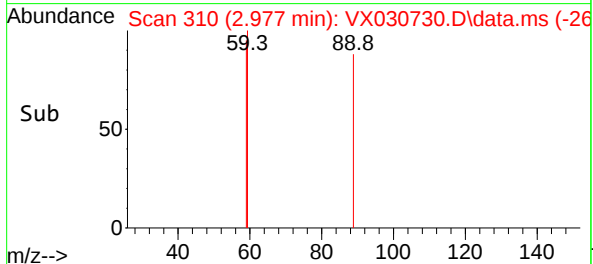
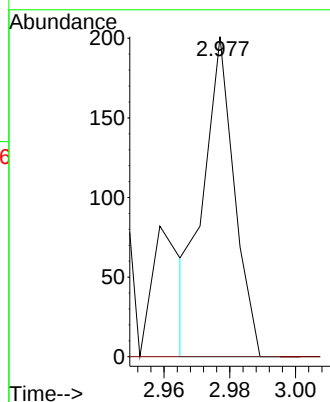
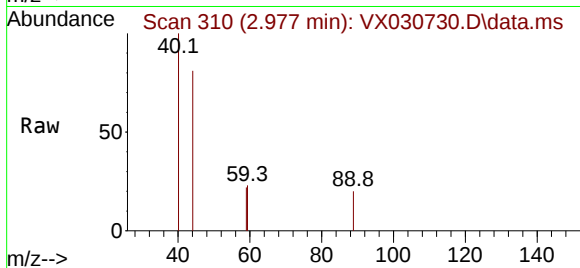
MW178I-20220816

Tgt Ion: 59 Resp: 129

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 0.251 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.012 min

Lab File: VX030730.D

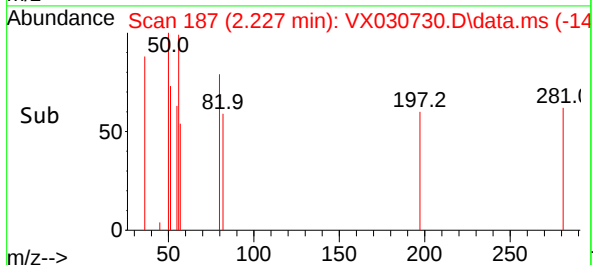
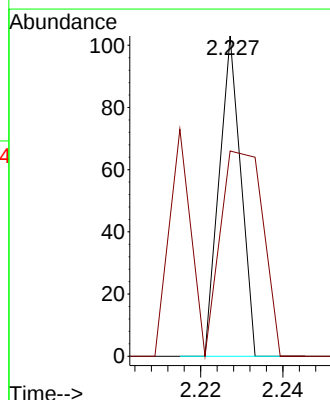
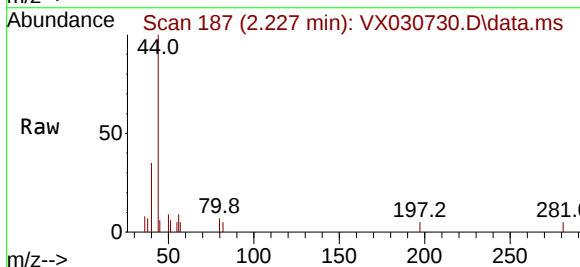
Acq: 23 Aug 2022 14:31

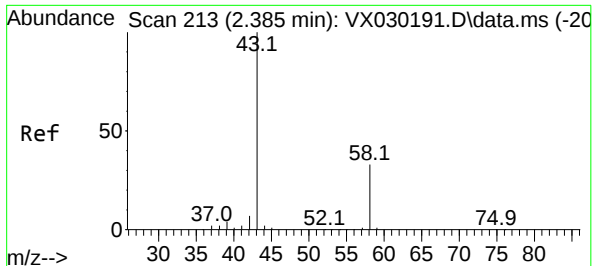
Tgt Ion: 56 Resp: 38

Ion Ratio Lower Upper

56 100

55 126.3 56.6 84.8#

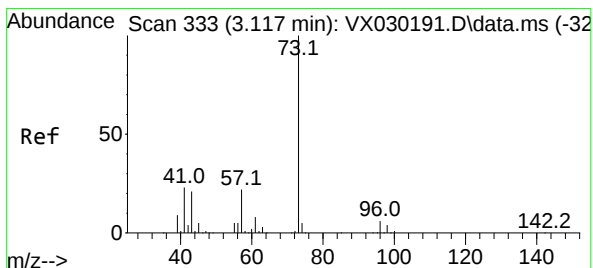
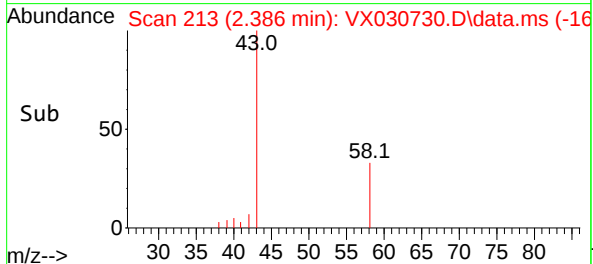
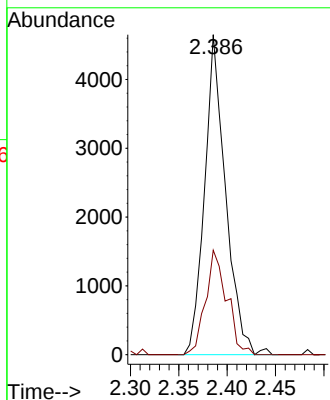
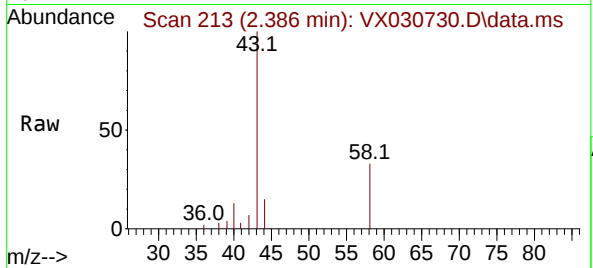




#16
Acetone
Concen: 5.448 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

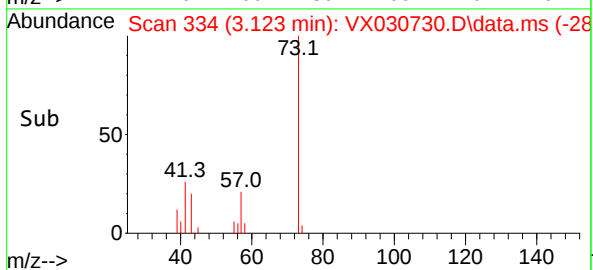
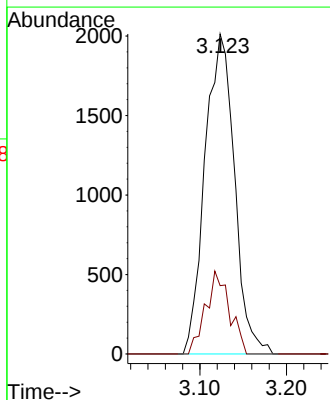
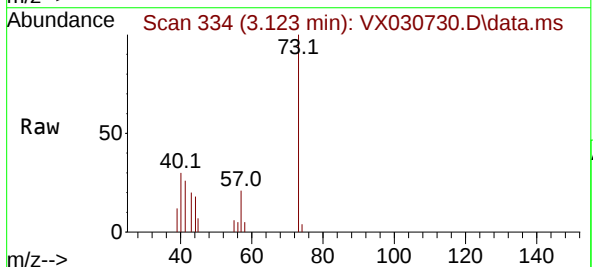
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

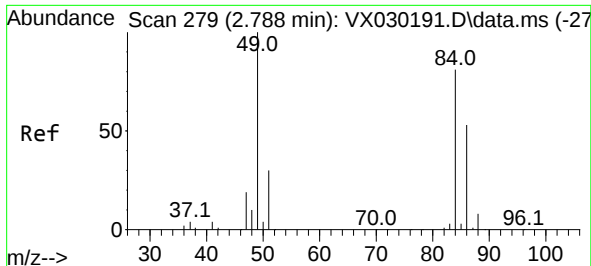
Tgt Ion: 43 Resp: 7045
Ion Ratio Lower Upper
43 100
58 32.7 27.7 41.5



#19
Methyl tert-butyl Ether
Concen: 0.708 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

Tgt Ion: 73 Resp: 4762
Ion Ratio Lower Upper
73 100
57 21.4 19.0 28.6





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX030730.D

Acq: 23 Aug 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

MW178I-20220816

Tgt Ion: 84 Resp: 385

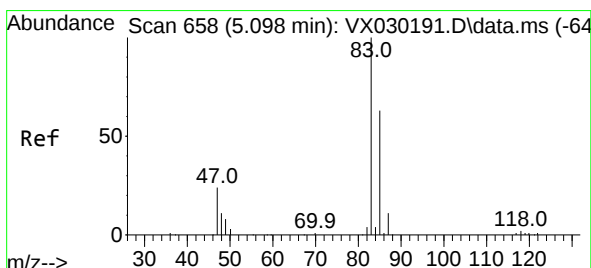
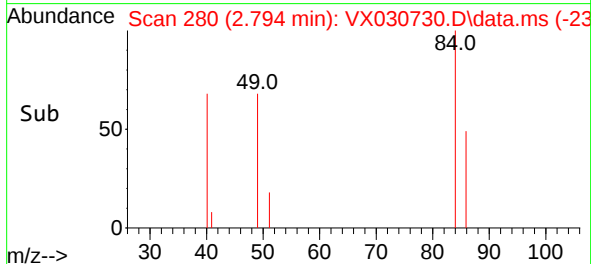
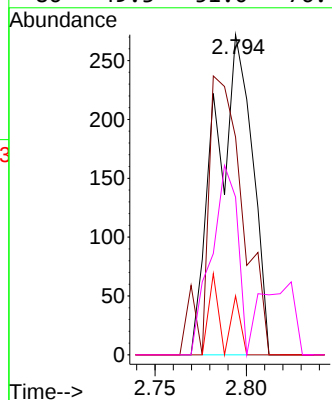
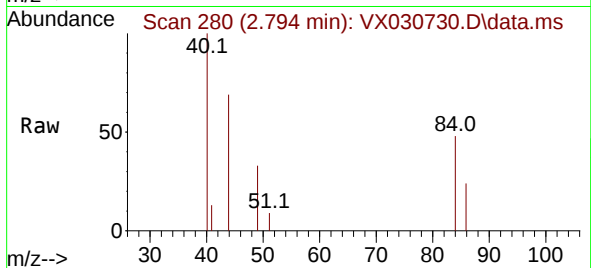
Ion Ratio Lower Upper

84 100

49 68.0 93.8 140.6#

51 18.4 29.4 44.0#

86 49.3 51.0 76.4#



#30

Chloroform

Concen: 0.429 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.007 min

Lab File: VX030730.D

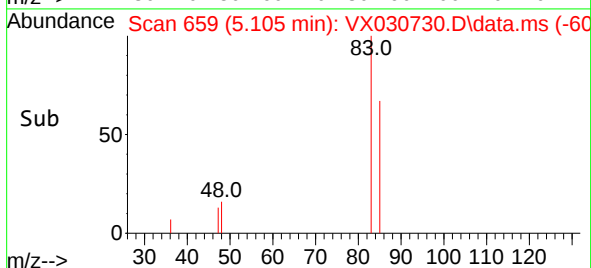
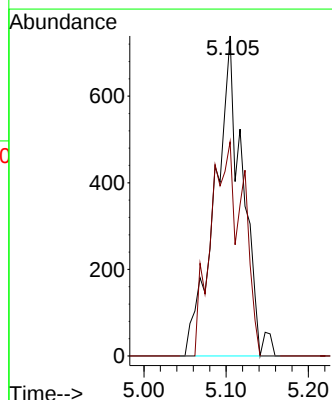
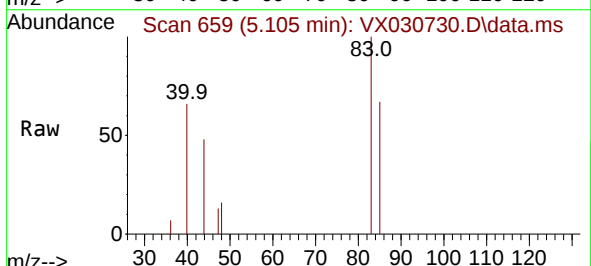
Acq: 23 Aug 2022 14:31

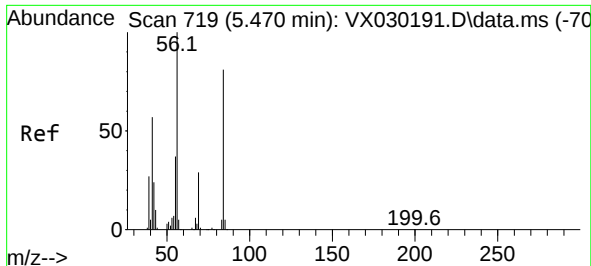
Tgt Ion: 83 Resp: 1729

Ion Ratio Lower Upper

83 100

85 67.0 51.5 77.3

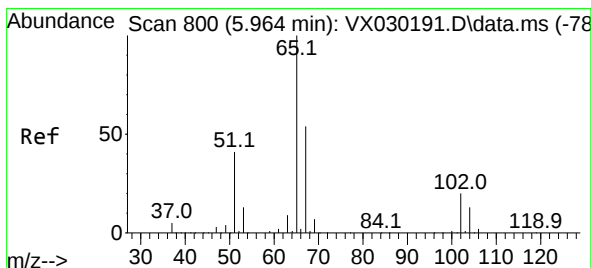
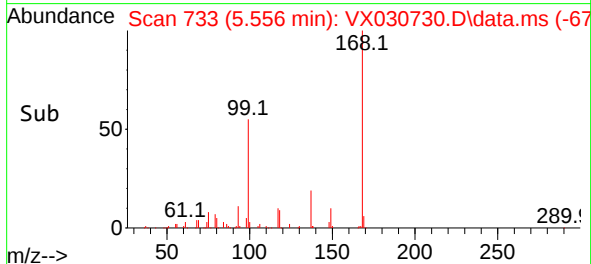
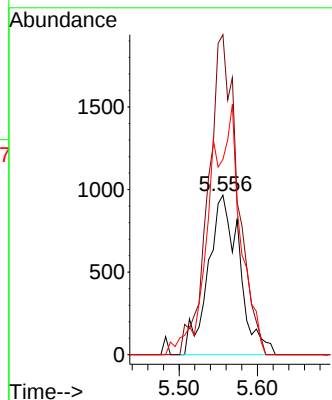
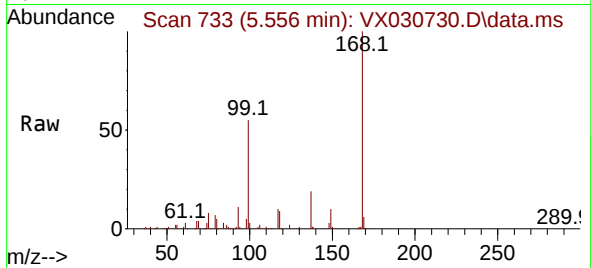




#31
Cyclohexane
Concen: 0.732 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

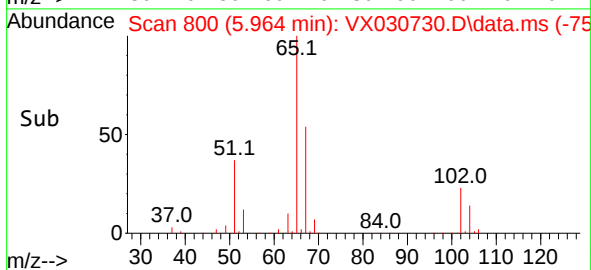
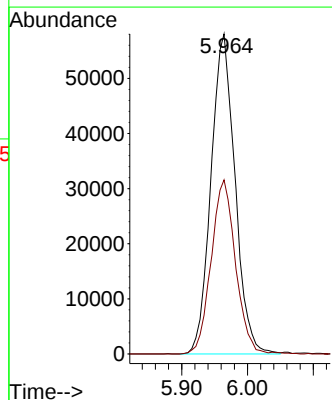
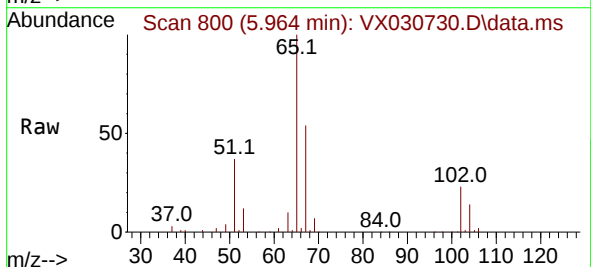
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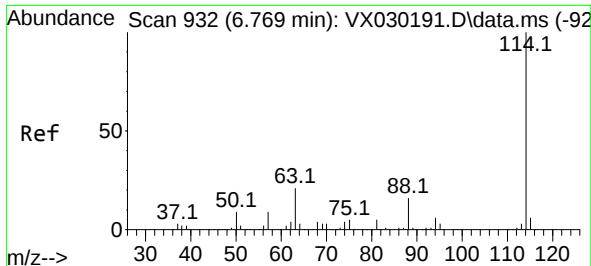
Tgt Ion: 56 Resp: 2684
Ion Ratio Lower Upper
56 100
69 200.8 25.4 38.0#
84 122.6 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 58.466 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

Tgt Ion: 65 Resp: 147674
Ion Ratio Lower Upper
65 100
67 55.2 0.0 109.6

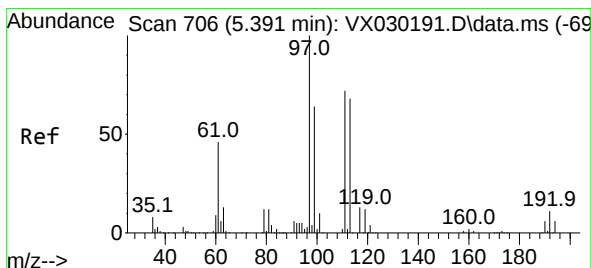
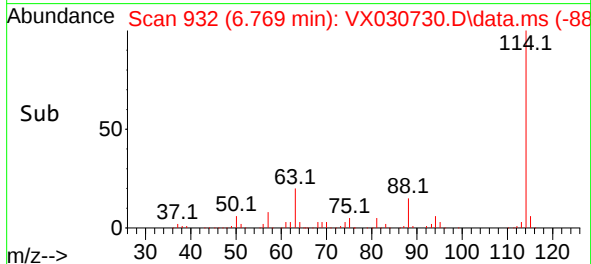
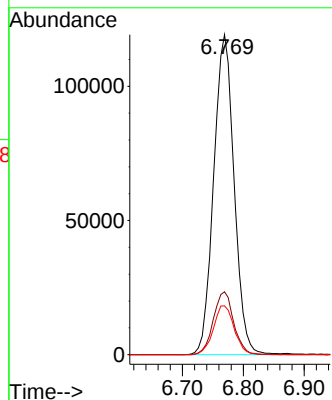
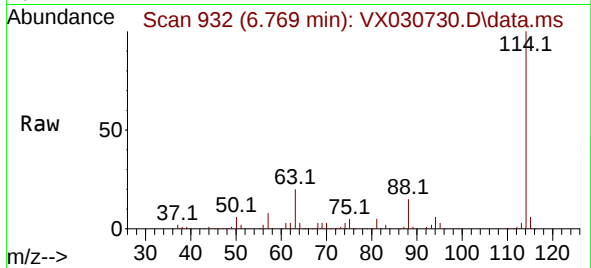




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

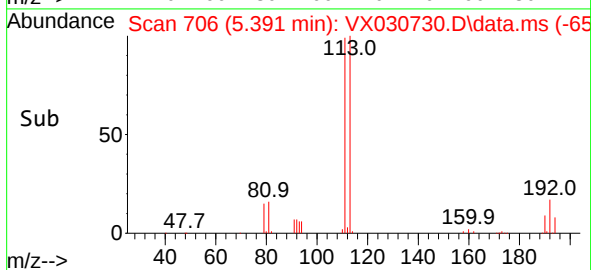
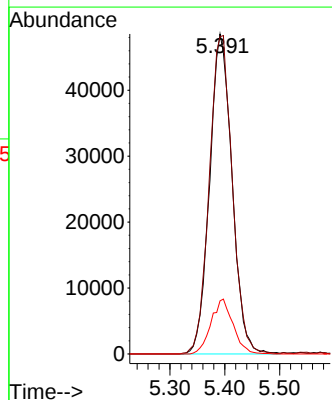
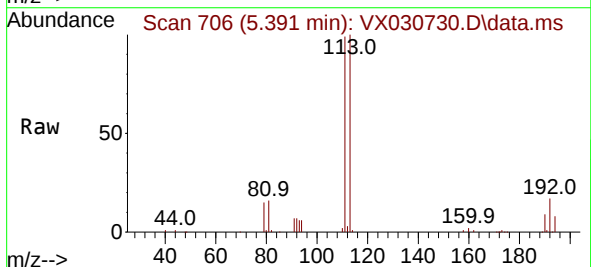
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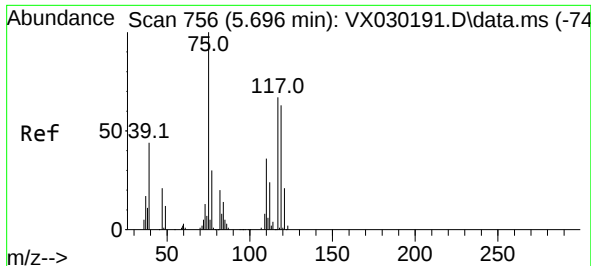
Tgt Ion:114 Resp: 277742
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.4
88 15.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.865 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

Tgt Ion:113 Resp: 137704
Ion Ratio Lower Upper
113 100
111 101.9 83.2 124.8
192 16.9 14.8 22.2





#36

1,1-Dichloropropene

Concen: 2.664 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX030730.D

Acq: 23 Aug 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

MW178I-20220816

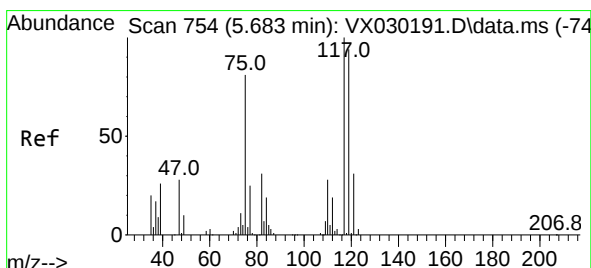
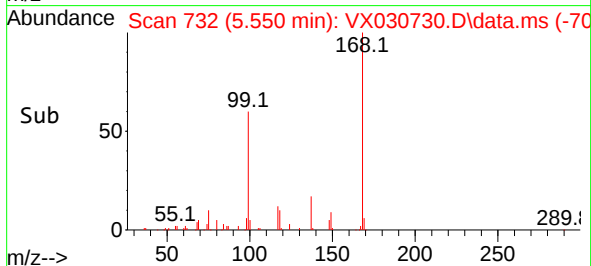
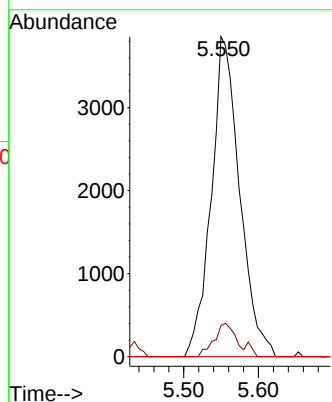
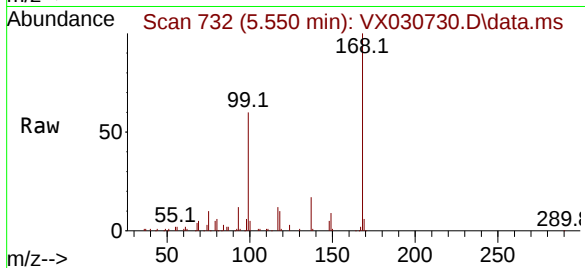
Tgt Ion: 75 Resp: 10180

Ion Ratio Lower Upper

75 100

110 8.8 19.3 57.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 3.765 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.121 min

Lab File: VX030730.D

Acq: 23 Aug 2022 14:31

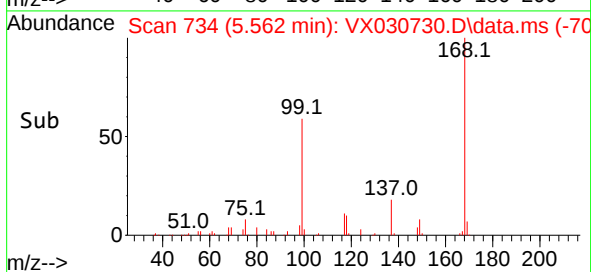
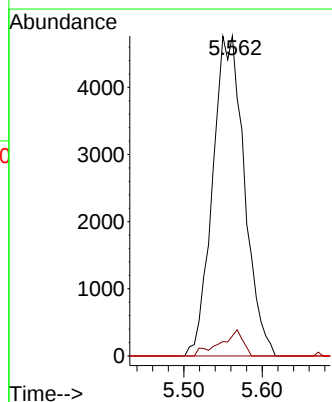
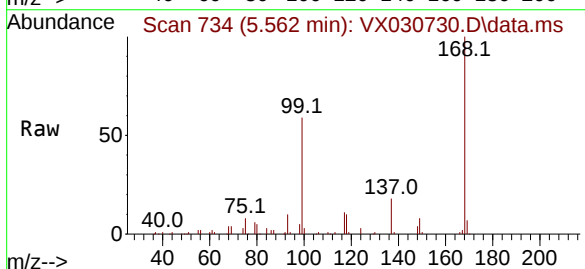
Tgt Ion: 117 Resp: 13429

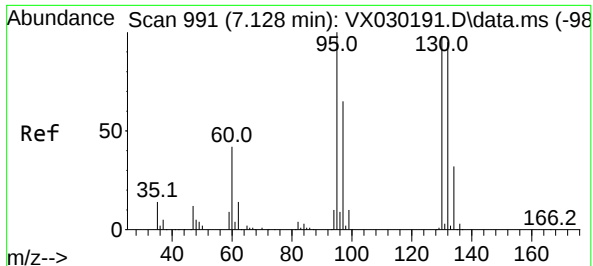
Ion Ratio Lower Upper

117 100

119 6.3 74.1 111.1#

121 0.0 25.8 38.8#

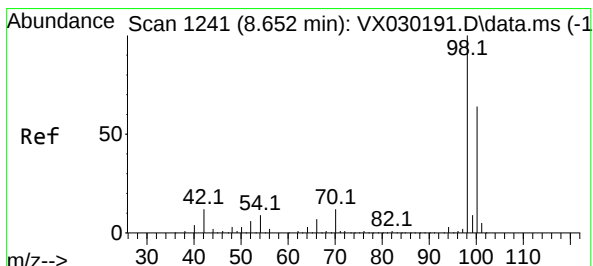
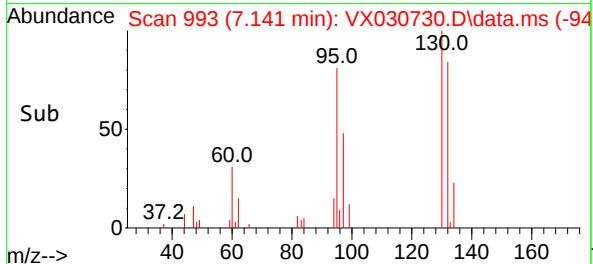
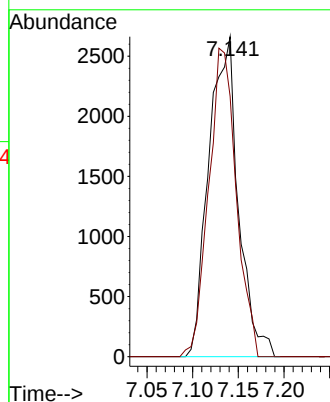
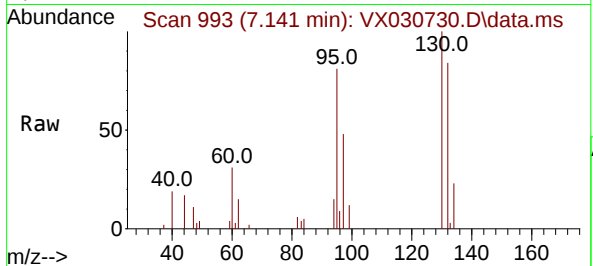




#44
 Trichloroethene
 Concen: 1.830 ug/l
 RT: 7.141 min Scan# 991
 Delta R.T. 0.013 min
 Lab File: VX030730.D
 Acq: 23 Aug 2022 14:31

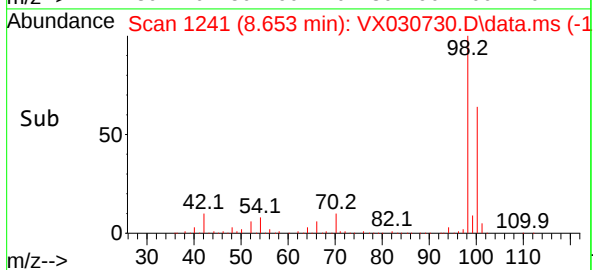
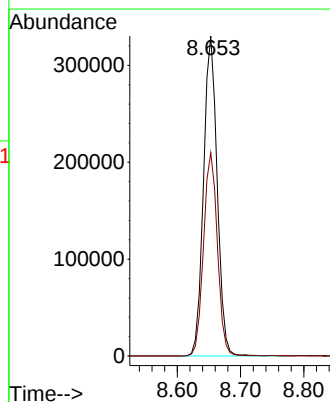
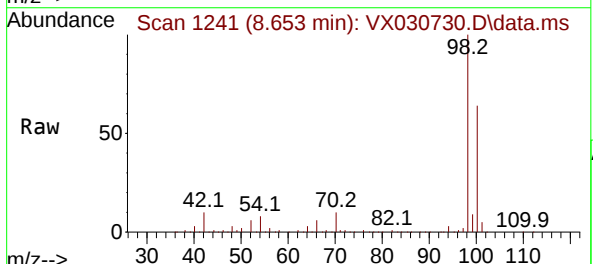
Instrument :
 MSVOA_X
 ClientSampleId :
 MW178I-20220816

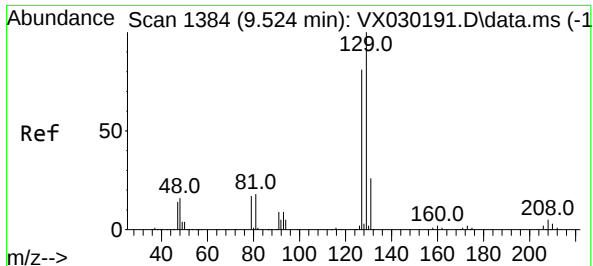
Tgt Ion:130 Resp: 6010
 Ion Ratio Lower Upper
 130 100
 95 81.3 0.0 194.8



#50
 Toluene-d8
 Concen: 48.368 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. 0.001 min
 Lab File: VX030730.D
 Acq: 23 Aug 2022 14:31

Tgt Ion: 98 Resp: 497323
 Ion Ratio Lower Upper
 98 100
 100 64.3 52.3 78.5

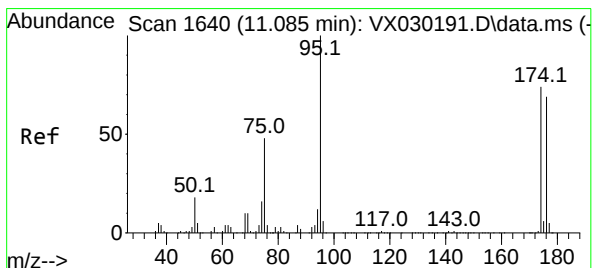
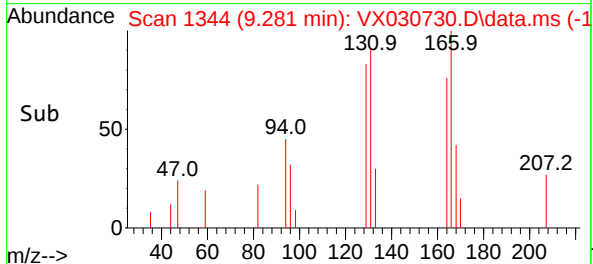
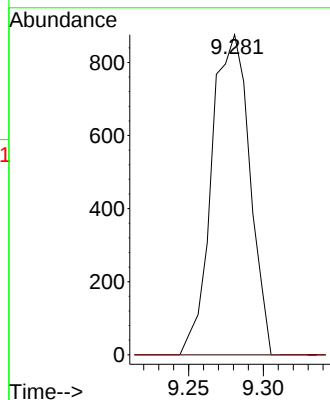
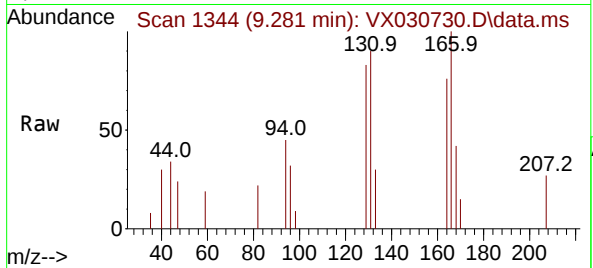




#60
Dibromochloromethane
Concen: 0.535 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.243 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

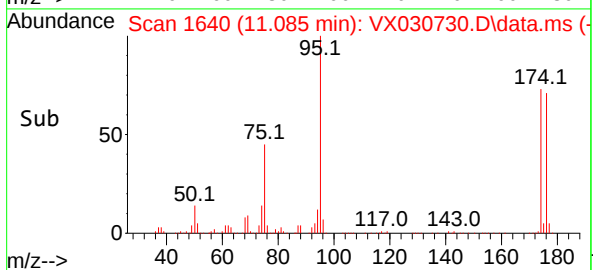
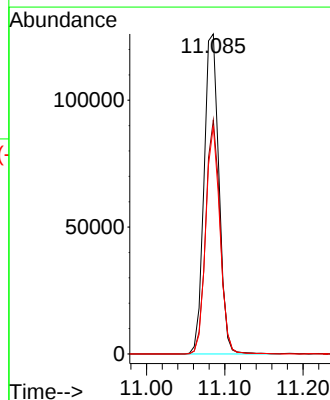
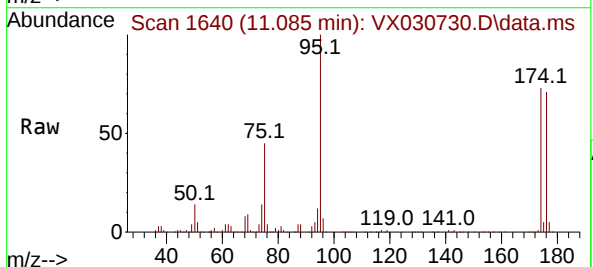
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

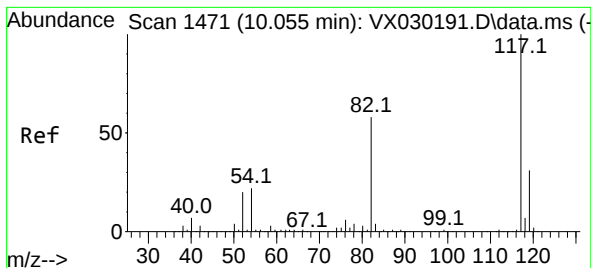
Tgt Ion:129 Resp: 1548
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 43.604 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

Tgt Ion: 95 Resp: 166393
Ion Ratio Lower Upper
95 100
174 70.5 0.0 149.0
176 68.0 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX030730.D

Acq: 23 Aug 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

MW178I-20220816

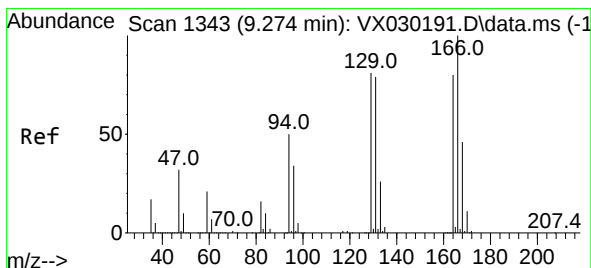
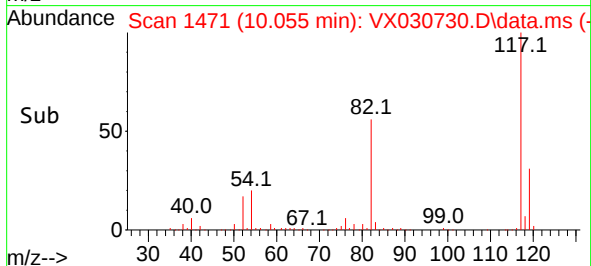
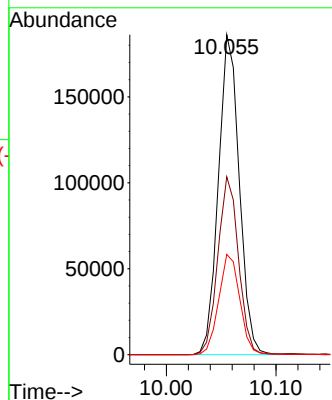
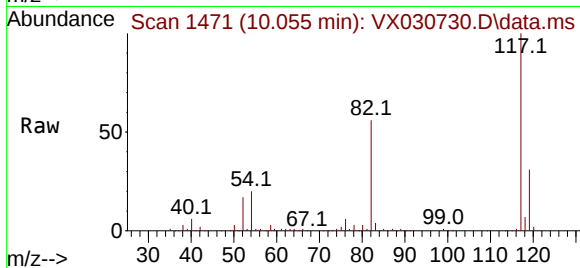
Tgt Ion:117 Resp: 247014

Ion Ratio Lower Upper

117 100

82 55.6 42.7 64.1

119 31.3 25.4 38.2



#64

Tetrachloroethene

Concen: 0.529 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.001 min

Lab File: VX030730.D

Acq: 23 Aug 2022 14:31

Tgt Ion:164 Resp: 1406

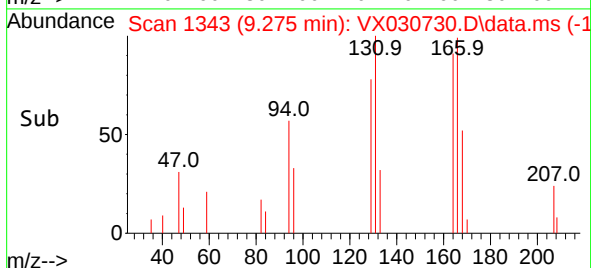
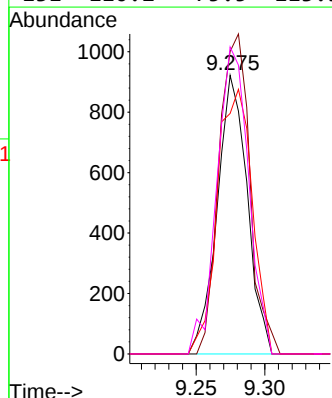
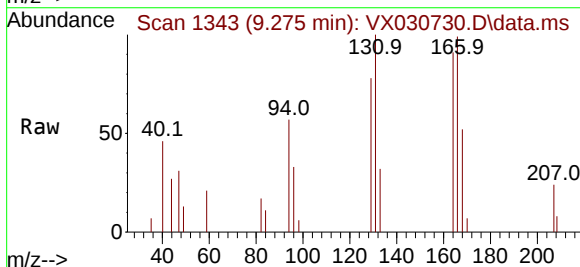
Ion Ratio Lower Upper

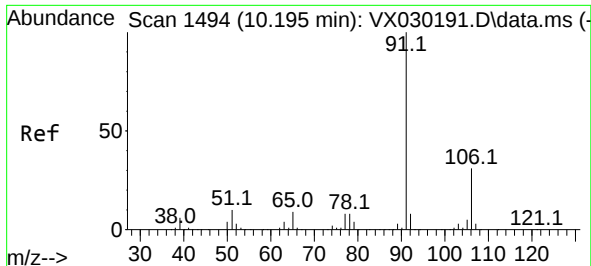
164 100

166 108.6 98.2 147.4

129 86.3 80.8 121.2

131 110.2 75.5 113.3

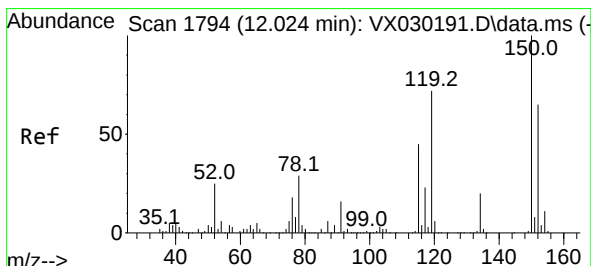
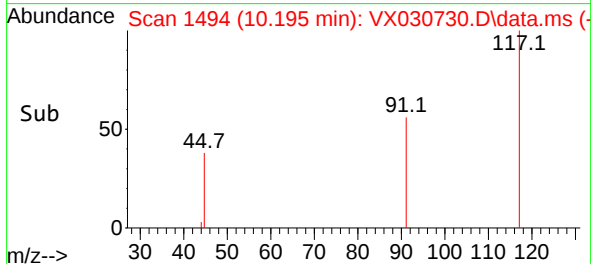
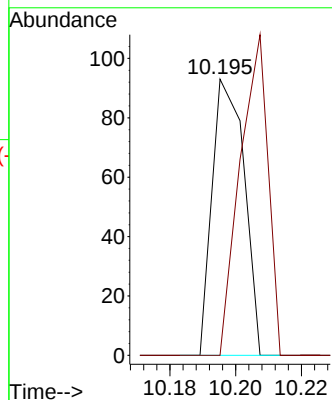
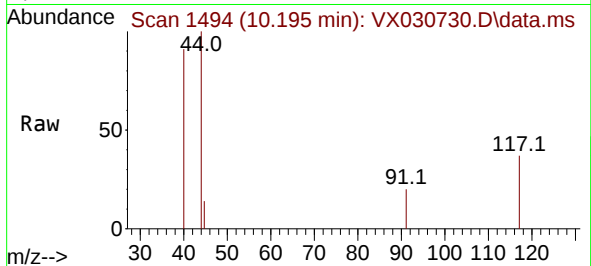




#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

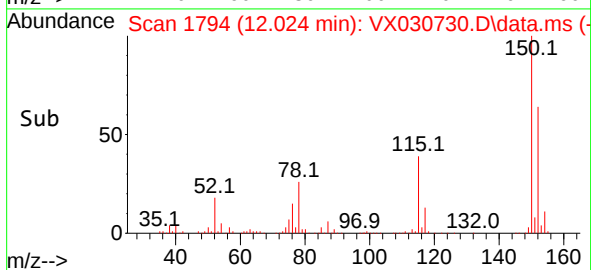
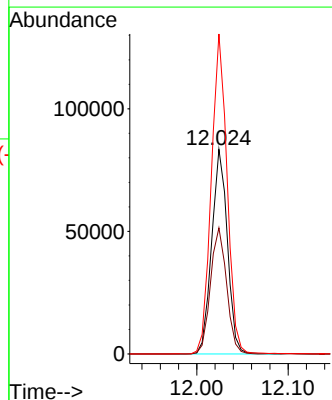
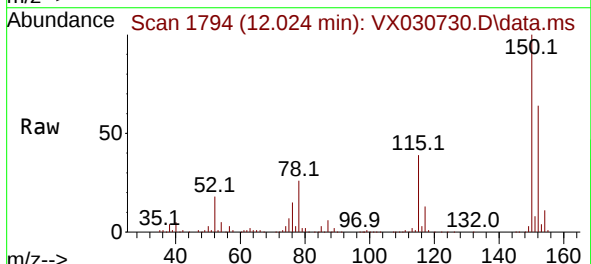
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

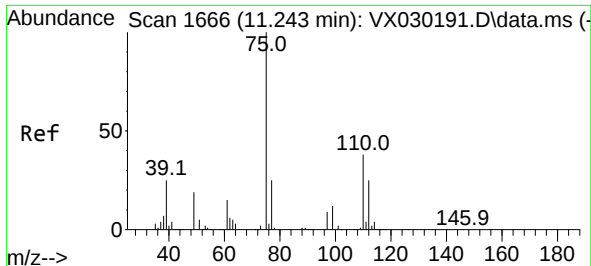
Tgt Ion: 91 Resp: 63
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

Tgt Ion:152 Resp: 99350
Ion Ratio Lower Upper
152 100
115 63.1 40.5 121.5
150 157.5 0.0 347.0

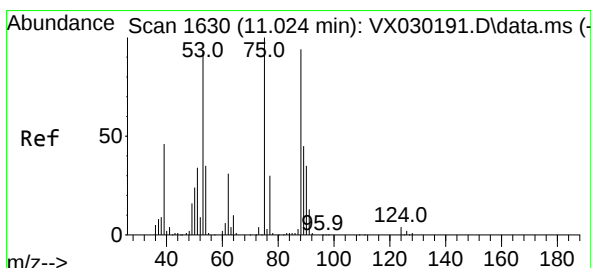
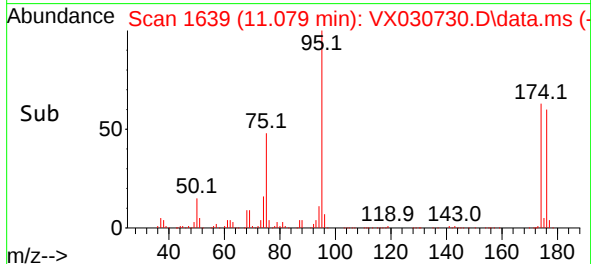
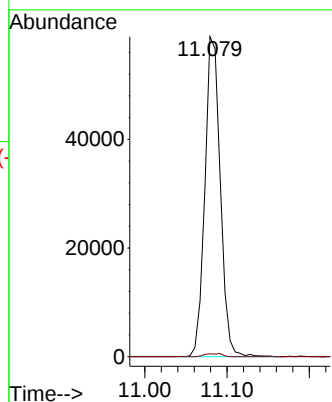
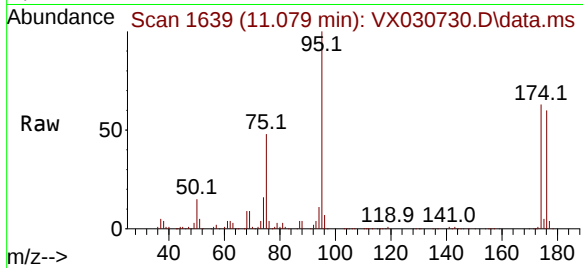




#76
1,2,3-Trichloropropane
Concen: 29.297 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20220816

Tgt Ion: 75 Resp: 76724
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.890 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX030730.D
Acq: 23 Aug 2022 14:31

Tgt Ion: 75 Resp: 76724
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.2 34.8 52.2#

