

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038191.D
 Acq On : 10 Oct 2023 11:18
 Operator : JC/MD
 Sample : 04723-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Oct 11 01:35:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

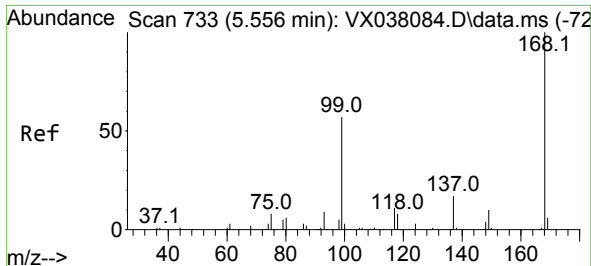
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	115393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205272	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87228	46.997	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.000%
35) Dibromofluoromethane	5.385	113	68108	46.047	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.100%
50) Toluene-d8	8.647	98	256529	45.387	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.780%#
62) 4-Bromofluorobenzene	11.079	95	94258	43.989	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.980%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	263	0.232	ug/l #	43
5) Bromomethane	1.618	94	30	Below Cal	#	66
6) Chloroethane	1.685	64	90	Below Cal	#	43
15) Acrylonitrile	3.075	53	252	0.298	ug/l #	47
16) Acetone	2.374	43	953	1.230	ug/l #	88
17) Carbon Disulfide	2.514	76	1011	0.332	ug/l #	76
20) Methylene Chloride	2.788	84	430	0.295	ug/l #	89
28) Bromochloromethane	5.093	49	255	0.235	ug/l #	16
30) Chloroform	5.099	83	3867	1.472	ug/l	95
31) Cyclohexane	5.556	56	3136	1.560	ug/l #	3
36) 1,1-Dichloropropene	5.544	75	10027	4.916	ug/l #	50
38) Carbon Tetrachloride	5.550	117	12267	6.114	ug/l #	15
52) Toluene	8.720	92	1141	0.307	ug/l	98
60) Dibromochloromethane	9.275	129	669	0.430	ug/l #	11
64) Tetrachloroethene	9.275	164	585	0.453	ug/l #	85
68) m/p-Xylenes	10.305	106	781	0.271	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	52826	23.010	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	52826	65.801	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.585	180	606	0.283	ug/l	85
94) Hexachlorobutadiene	13.725	225	310	0.360	ug/l	82
96) 1,2,3-Trichlorobenzene	13.963	180	633	0.305	ug/l	96

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

Quant Time: Oct 11 01:35:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration

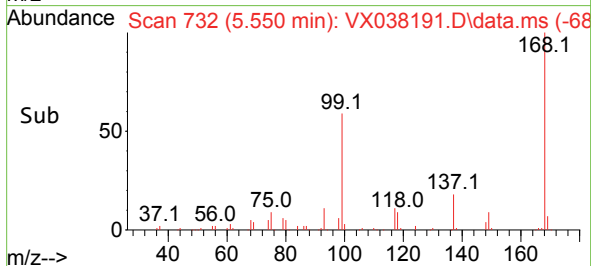
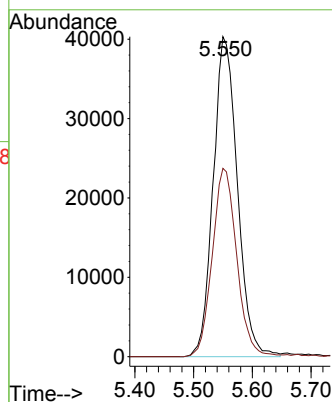
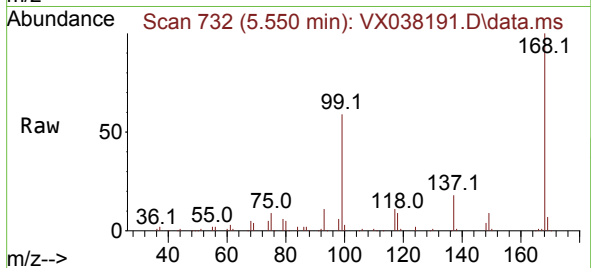




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

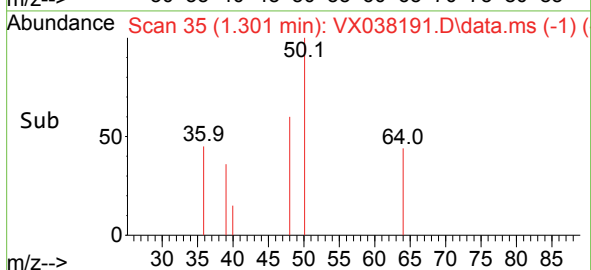
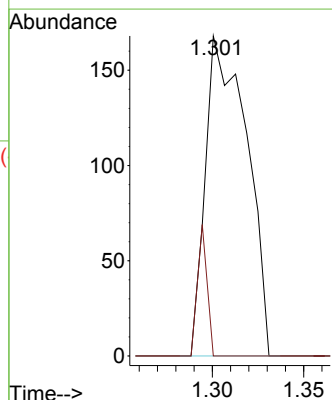
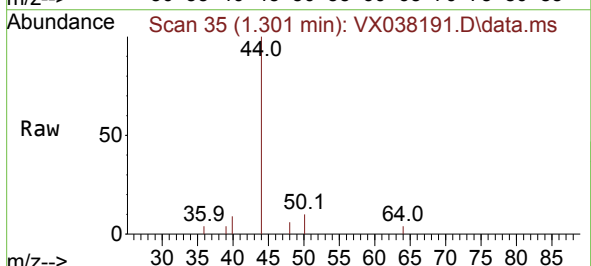
Instrument :
MSVOA_X
ClientSampleId :
MW-7

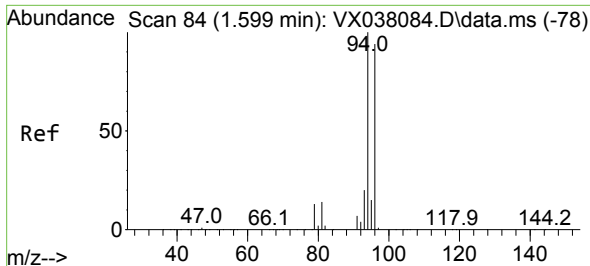
Tgt Ion:168 Resp: 115393
Ion Ratio Lower Upper
168 100
99 58.9 56.6 85.0



#3
Chloromethane
Concen: 0.232 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

Tgt Ion: 50 Resp: 263
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

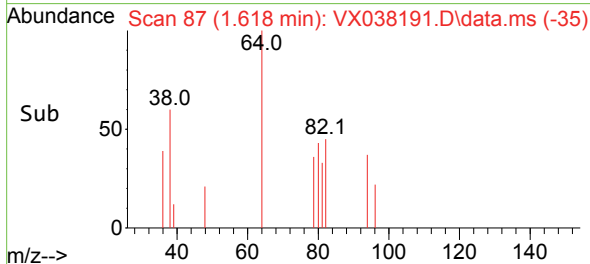
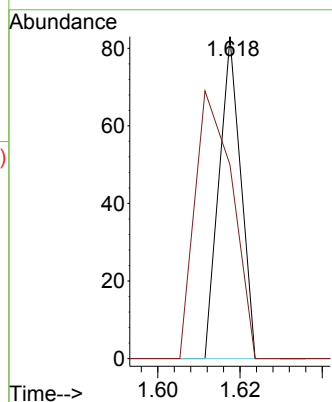
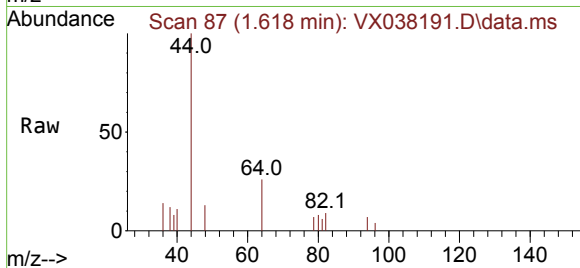




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

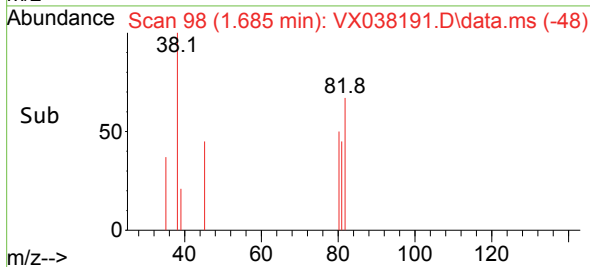
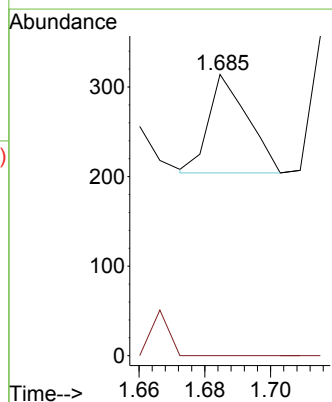
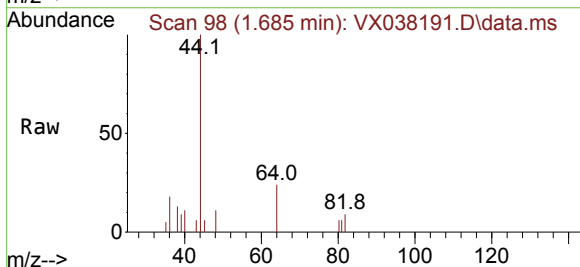
Instrument :
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ClientSampleId :
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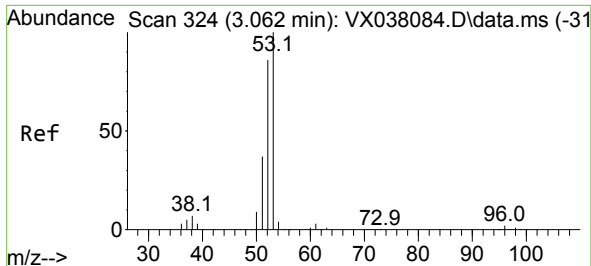
Tgt Ion: 94 Resp: 30
Ion Ratio Lower Upper
94 100
96 60.2 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

Tgt Ion: 64 Resp: 90
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

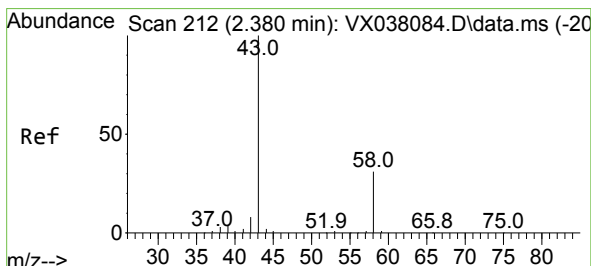
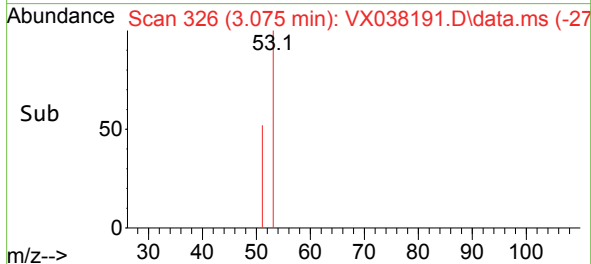
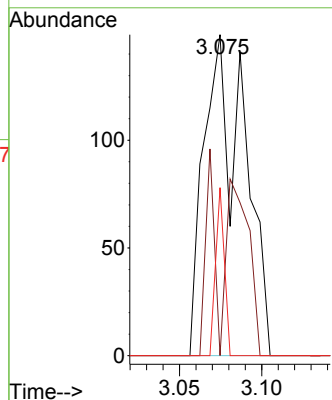
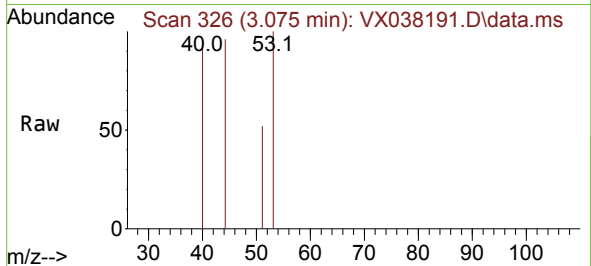




#15
Acrylonitrile
Concen: 0.298 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

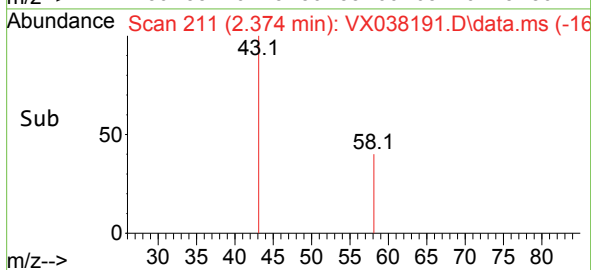
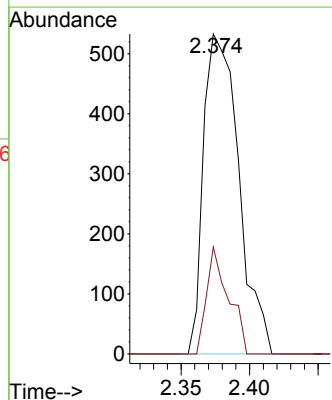
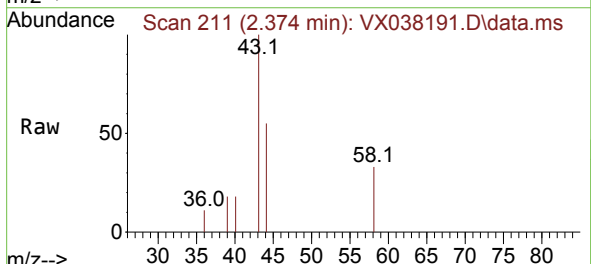
Instrument :
MSVOA_X
ClientSampleId :
MW-7

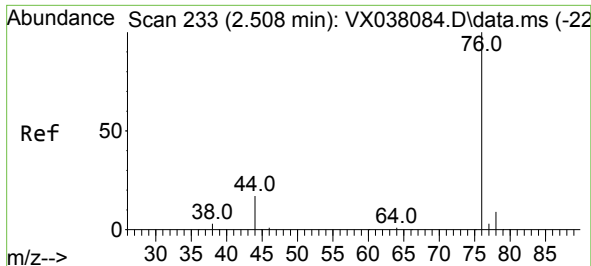
Tgt Ion: 53 Resp: 252
Ion Ratio Lower Upper
53 100
52 30.6 66.0 99.0#
51 11.5 29.8 44.6#



#16
Acetone
Concen: 1.230 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

Tgt Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
58 33.4 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.332 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX038191.D

Acq: 10 Oct 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

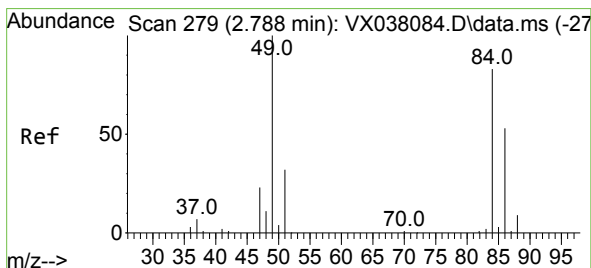
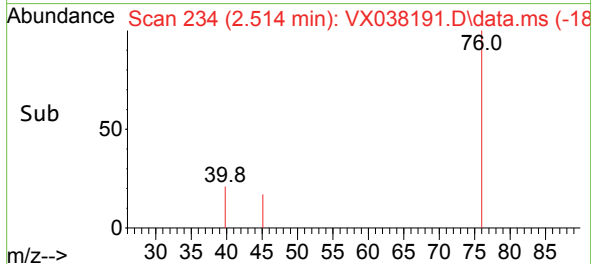
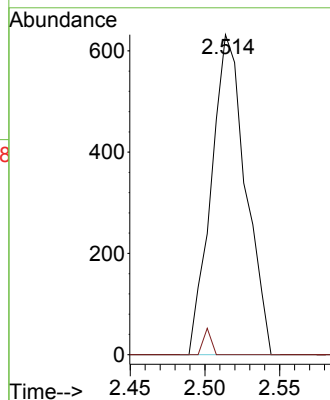
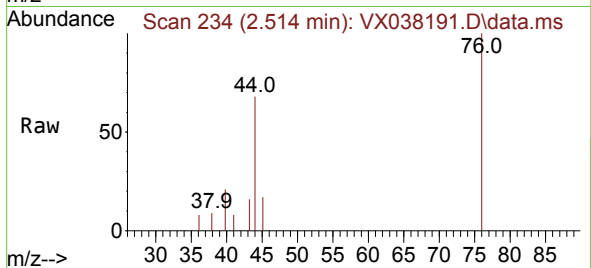
MW-7

Tgt Ion: 76 Resp: 1011

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.295 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX038191.D

Acq: 10 Oct 2023 11:18

Tgt Ion: 84 Resp: 430

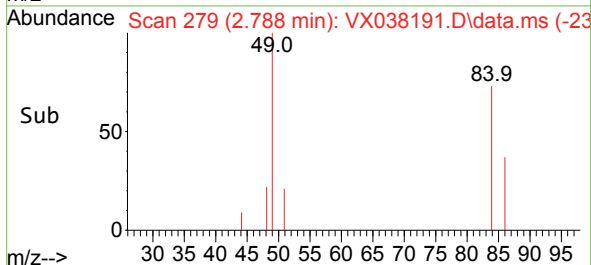
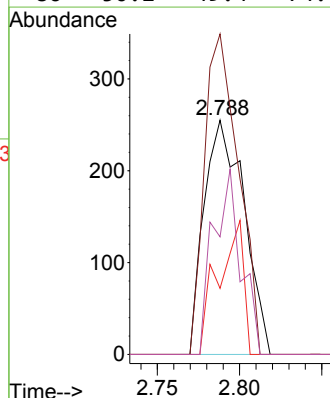
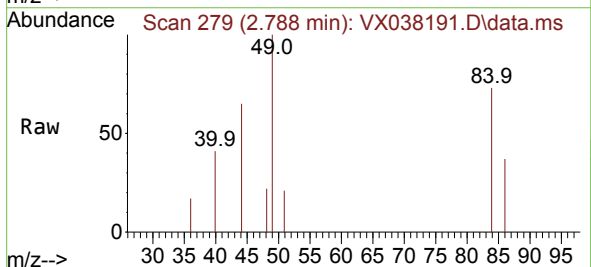
Ion Ratio Lower Upper

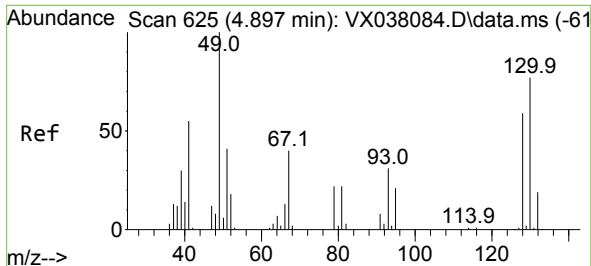
84 100

49 136.9 103.6 155.4

51 28.2 33.8 50.6#

86 50.2 49.4 74.0

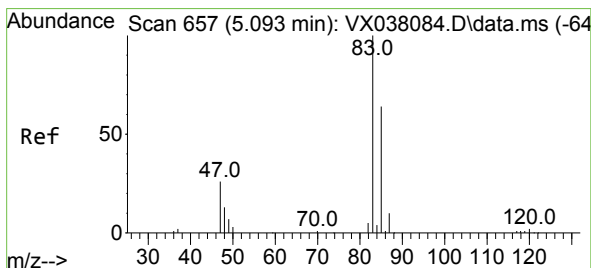
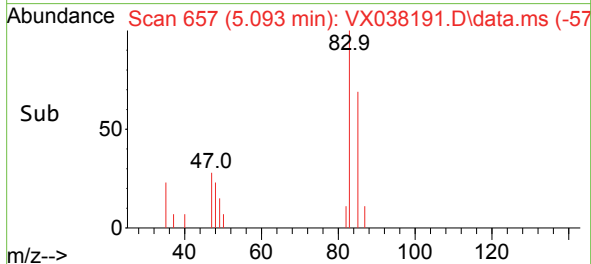
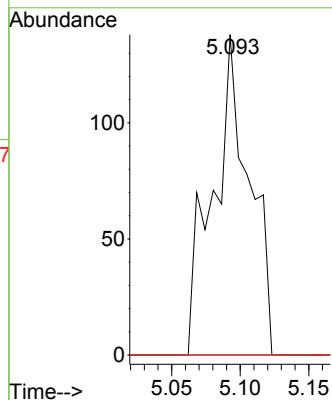
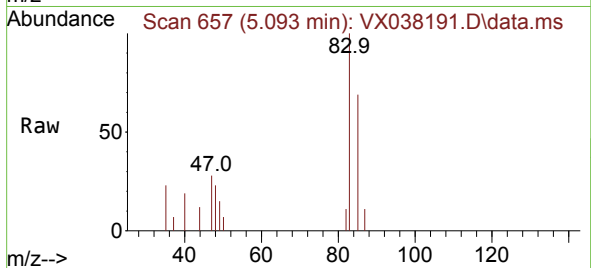




#28
Bromochloromethane
Concen: 0.235 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.196 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

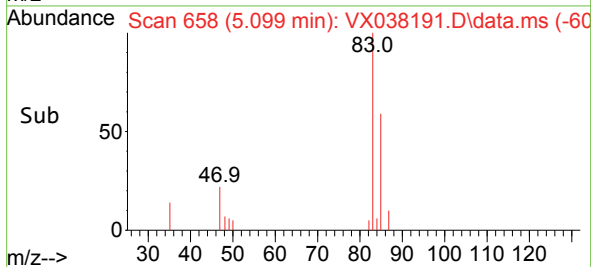
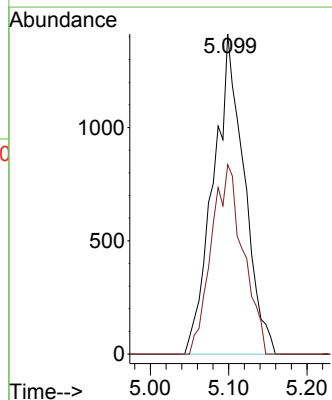
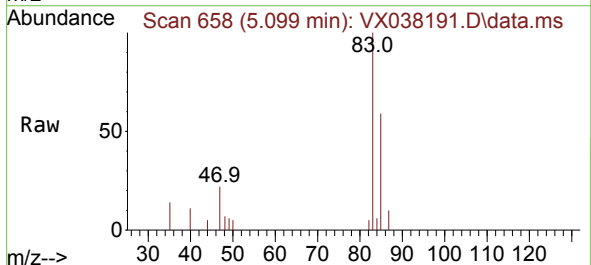
Instrument :
MSVOA_X
ClientSampleId :
MW-7

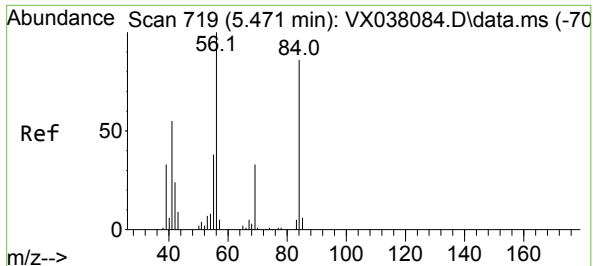
Tgt Ion: 49 Resp: 255
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#30
Chloroform
Concen: 1.472 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

Tgt Ion: 83 Resp: 3867
Ion Ratio Lower Upper
83 100
85 59.2 50.3 75.5

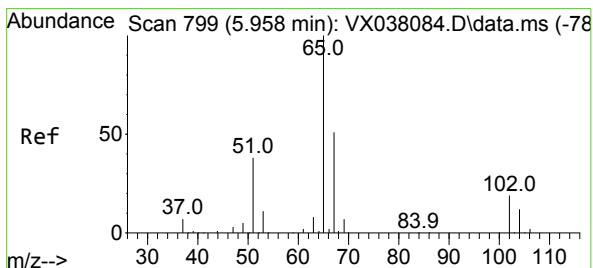
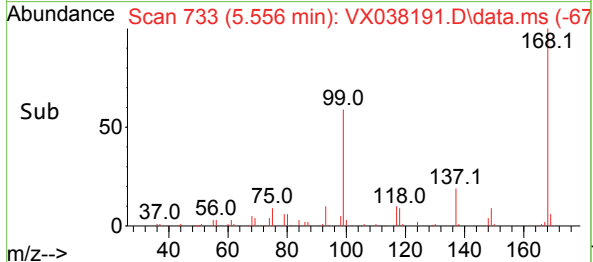
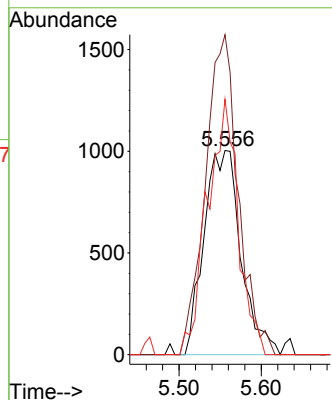
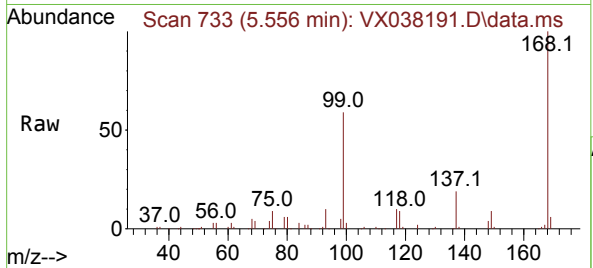




#31
Cyclohexane
Concen: 1.560 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

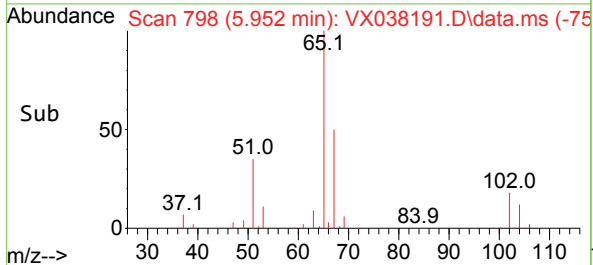
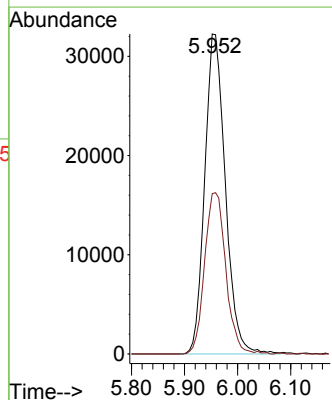
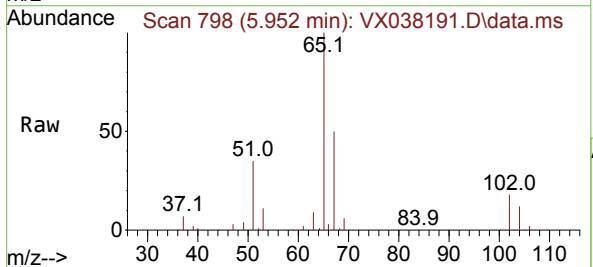
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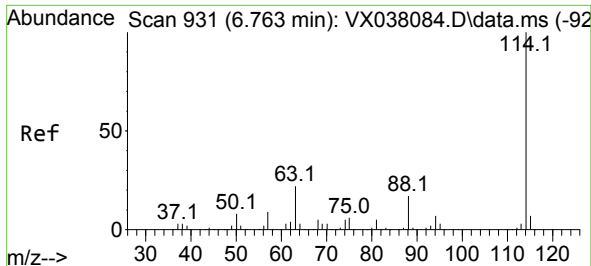
Tgt Ion: 56 Resp: 3136
Ion Ratio Lower Upper
56 100
69 156.7 23.4 35.2#
84 125.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.997 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

Tgt Ion: 65 Resp: 87228
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2

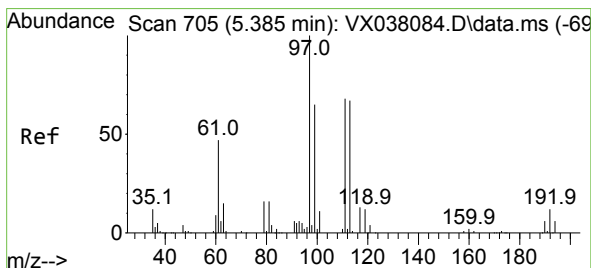
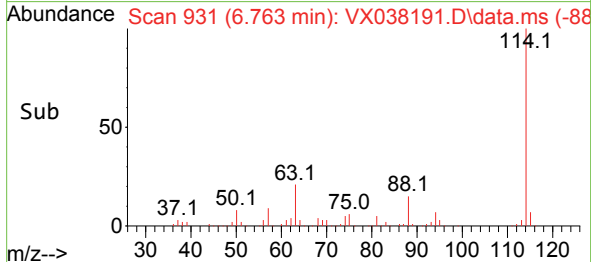
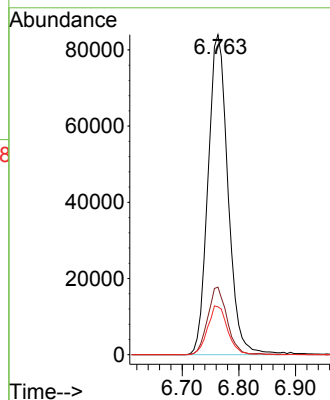
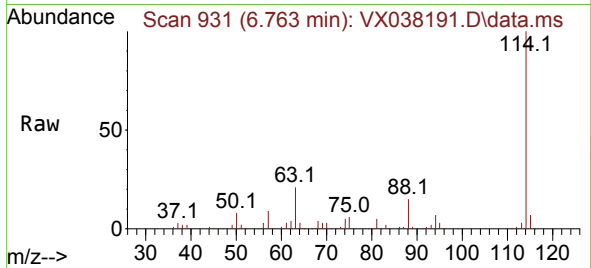




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

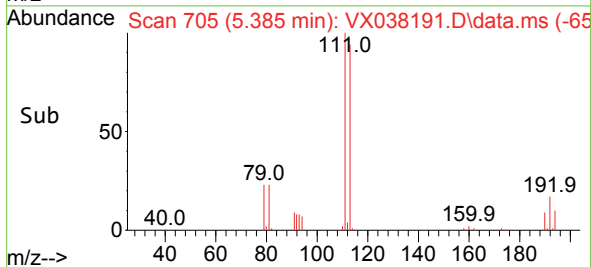
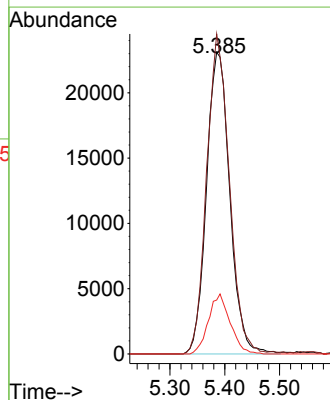
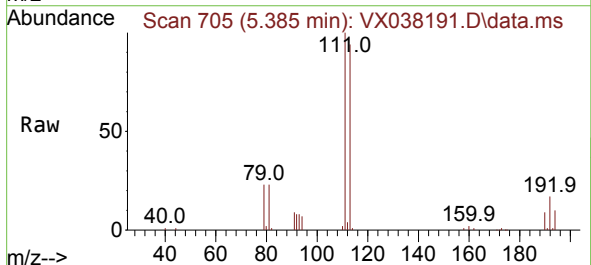
Instrument :
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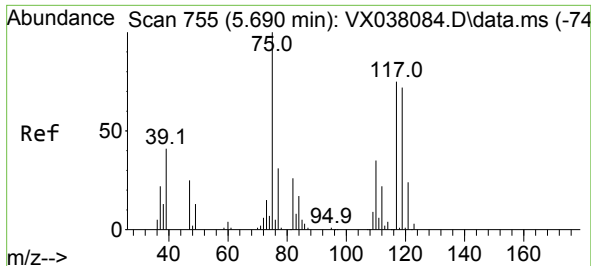
Tgt Ion:114 Resp: 205272
Ion Ratio Lower Upper
114 100
63 21.1 0.0 45.0
88 15.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.047 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

Tgt Ion:113 Resp: 68108
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 18.6 13.3 19.9

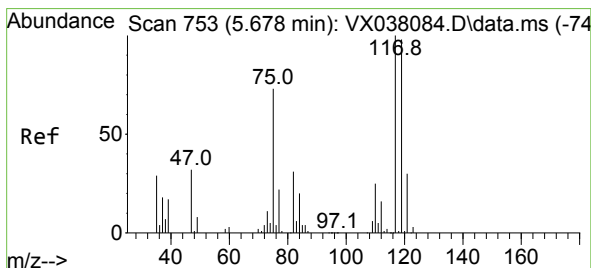
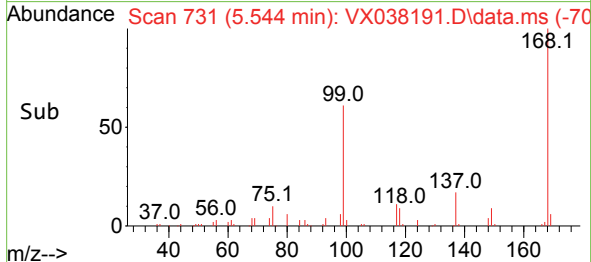
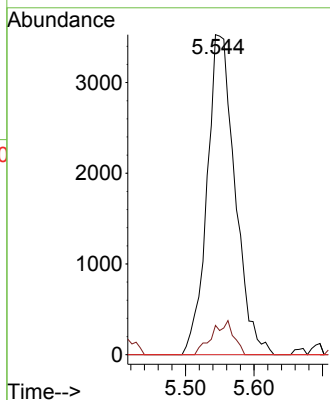
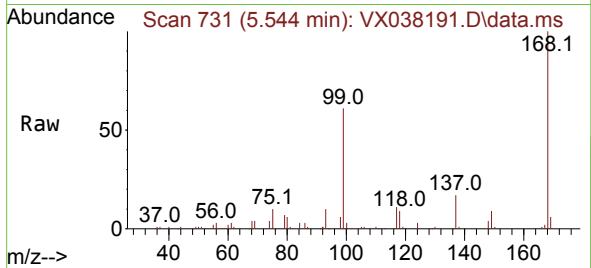




#36
1,1-Dichloropropene
Concen: 4.916 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

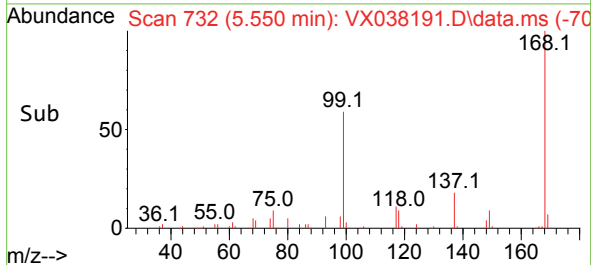
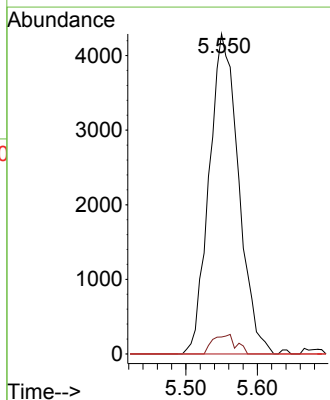
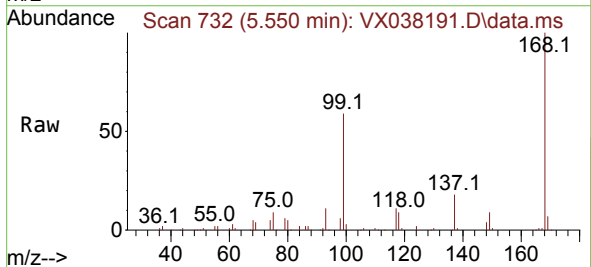
Instrument :
MSVOA_X
ClientSampleId :
MW-7

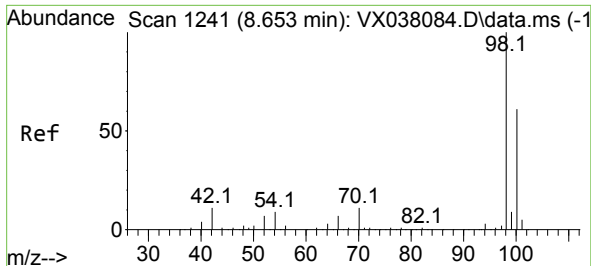
Tgt Ion: 75 Resp: 10027
Ion Ratio Lower Upper
75 100
110 8.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.114 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

Tgt Ion: 117 Resp: 12267
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#

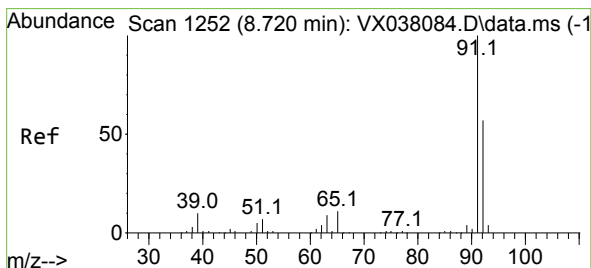
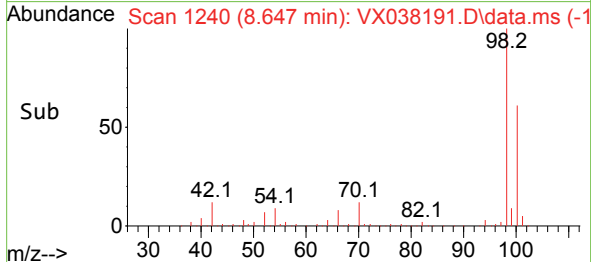
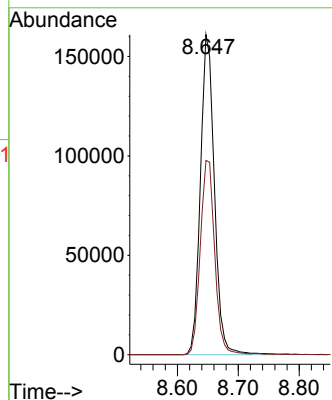
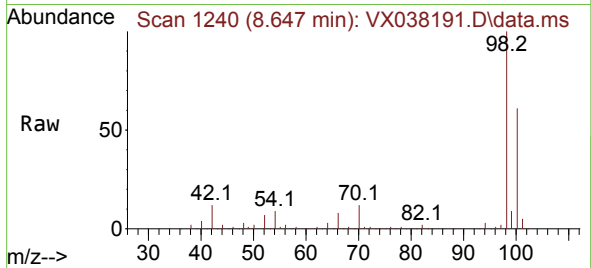




#50
Toluene-d8
Concen: 45.387 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

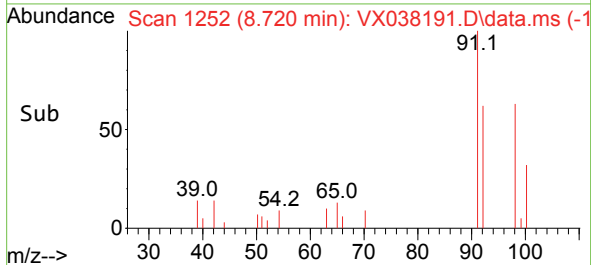
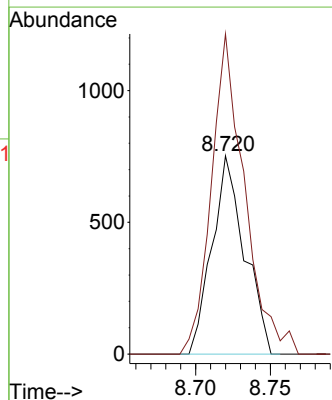
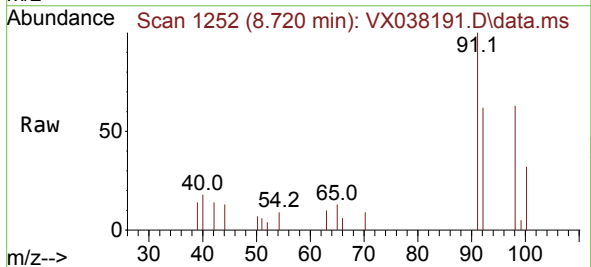
Instrument :
MSVOA_X
ClientSampleId :
MW-7

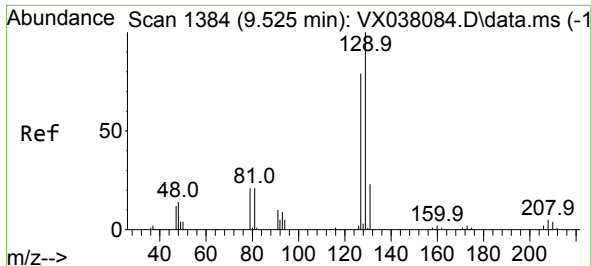
Tgt Ion: 98 Resp: 256529
Ion Ratio Lower Upper
98 100
100 62.6 53.1 79.7



#52
Toluene
Concen: 0.307 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

Tgt Ion: 92 Resp: 1141
Ion Ratio Lower Upper
92 100
91 164.9 134.2 201.2

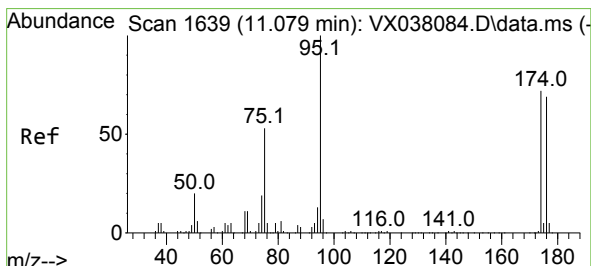
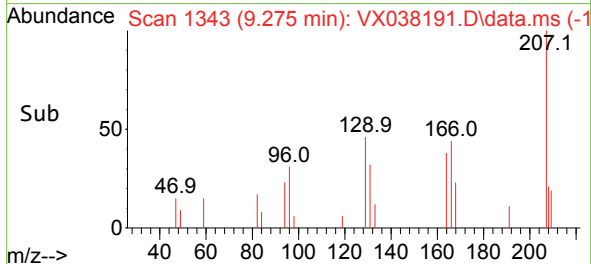
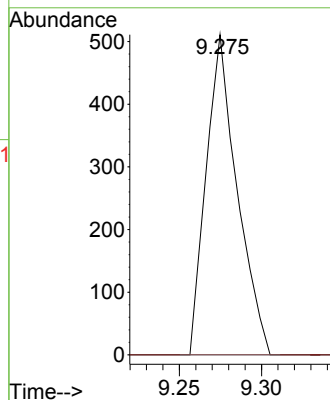
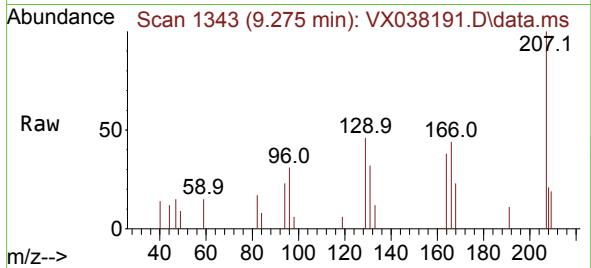




#60
Dibromochloromethane
Concen: 0.430 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

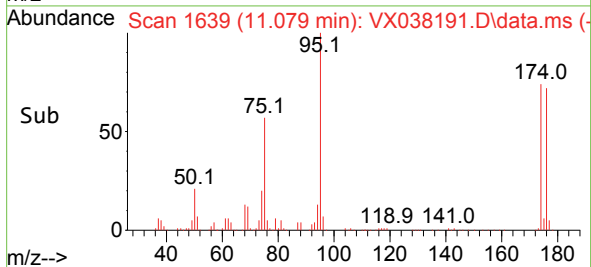
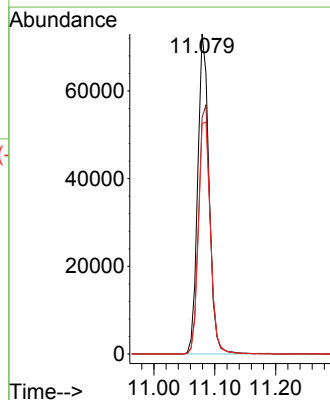
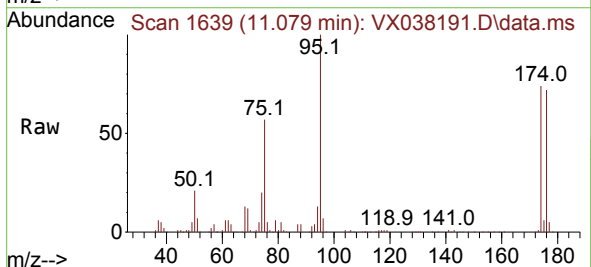
Instrument :
MSVOA_X
ClientSampleId :
MW-7

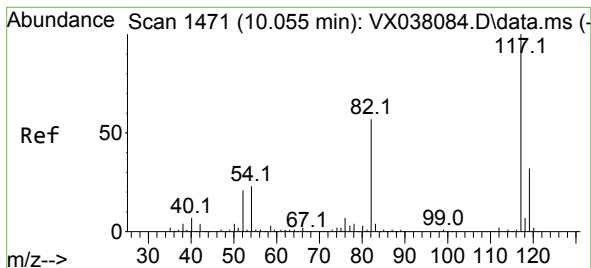
Tgt Ion:129 Resp: 669
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 43.989 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

Tgt Ion: 95 Resp: 94258
Ion Ratio Lower Upper
95 100
174 79.6 0.0 135.6
176 76.7 0.0 131.0

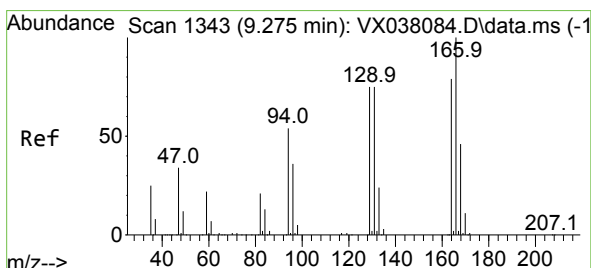
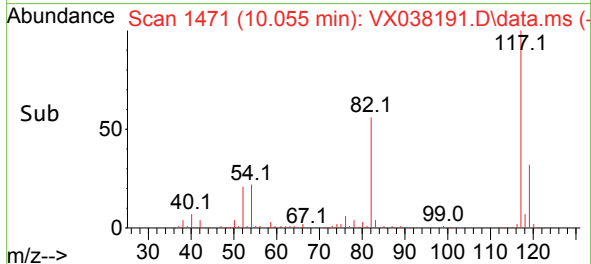
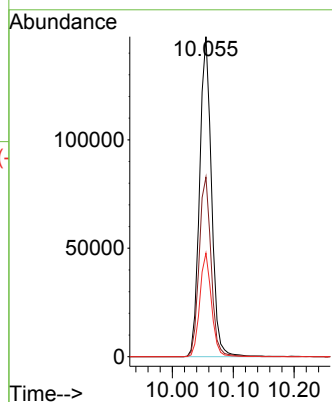
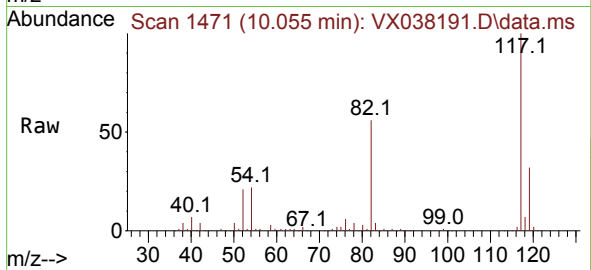




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

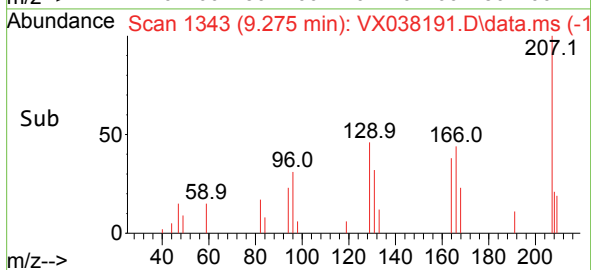
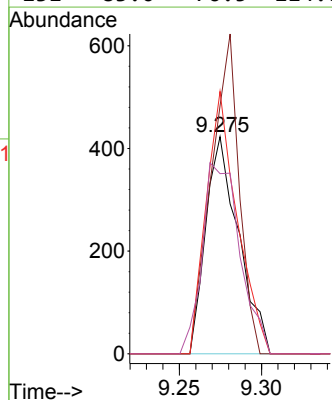
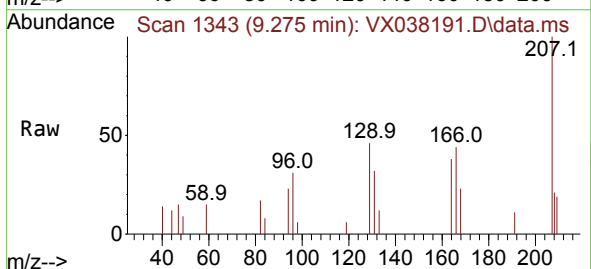
Instrument :
MSVOA_X
ClientSampleId :
MW-7

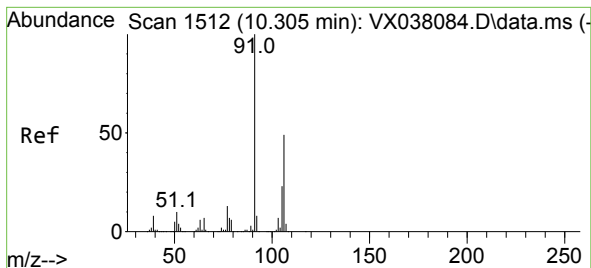
Tgt Ion:117 Resp: 199653
Ion Ratio Lower Upper
117 100
82 56.1 46.2 69.4
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 0.453 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

Tgt Ion:164 Resp: 585
Ion Ratio Lower Upper
164 100
166 114.2 102.7 154.1
129 120.8 80.4 120.6#
131 83.0 76.5 114.7

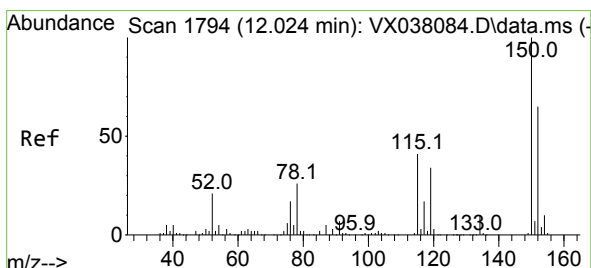
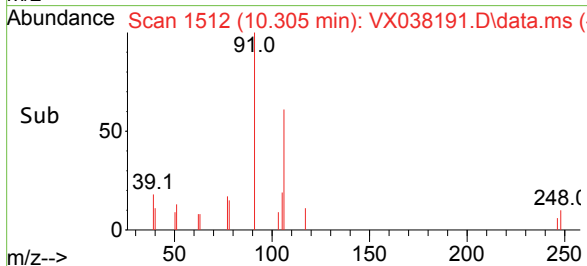
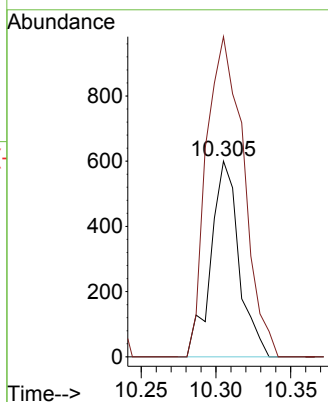
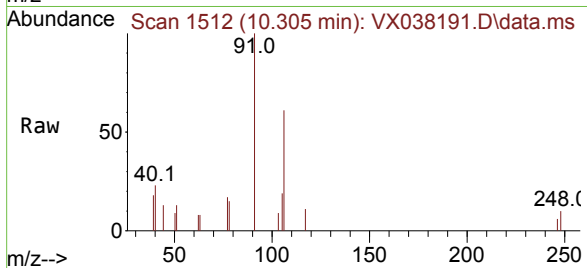




#68
m/p-Xylenes
Concen: 0.271 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

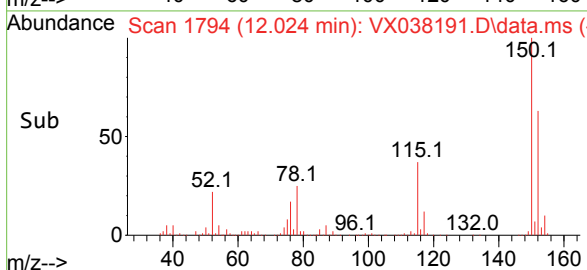
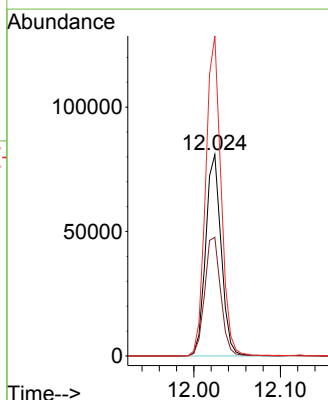
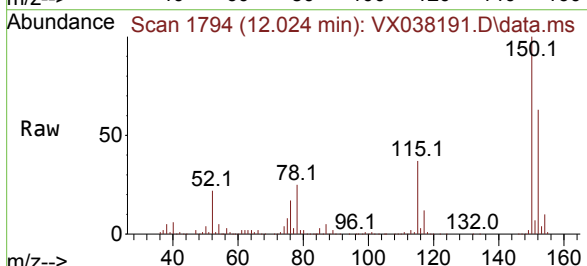
Instrument :
MSVOA_X
ClientSampleId :
MW-7

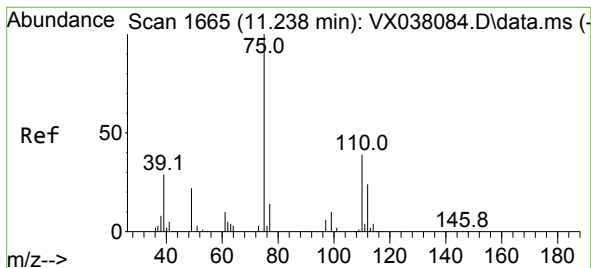
Tgt Ion:106 Resp: 781
Ion Ratio Lower Upper
106 100
91 217.2 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038191.D
Acq: 10 Oct 2023 11:18

Tgt Ion:152 Resp: 100986
Ion Ratio Lower Upper
152 100
115 60.9 43.3 129.9
150 157.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.010 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038191.D

Acq: 10 Oct 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

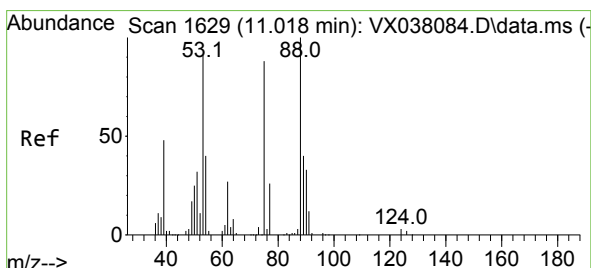
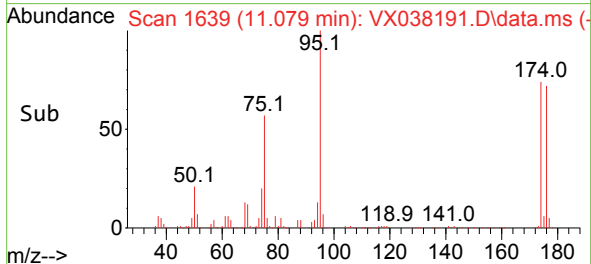
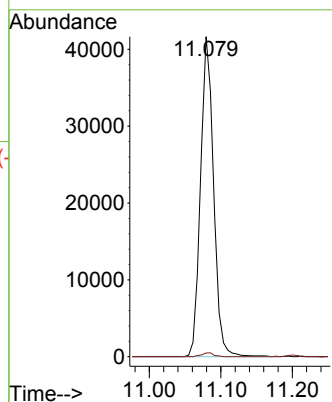
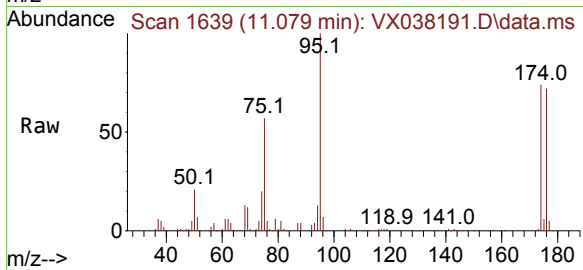
MW-7

Tgt Ion: 75 Resp: 52826

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.801 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038191.D

Acq: 10 Oct 2023 11:18

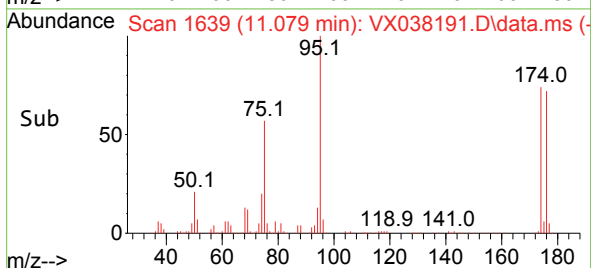
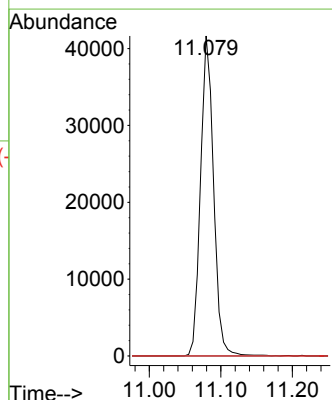
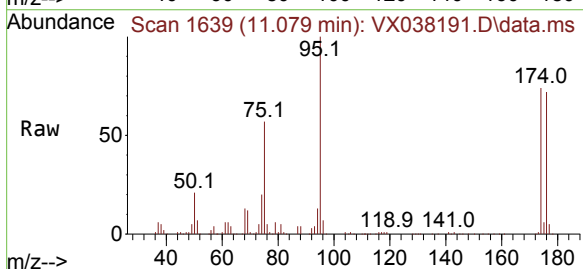
Tgt Ion: 75 Resp: 52826

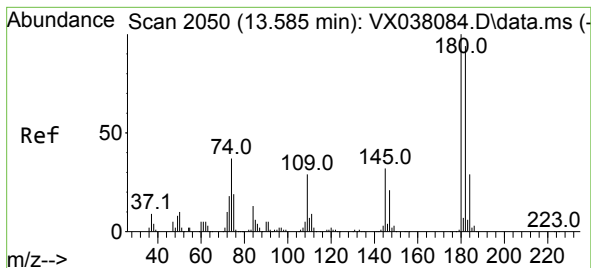
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.283 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX038191.D

Acq: 10 Oct 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

MW-7

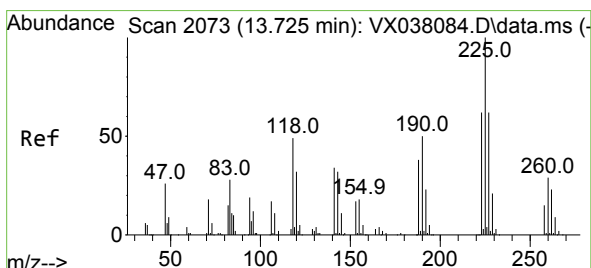
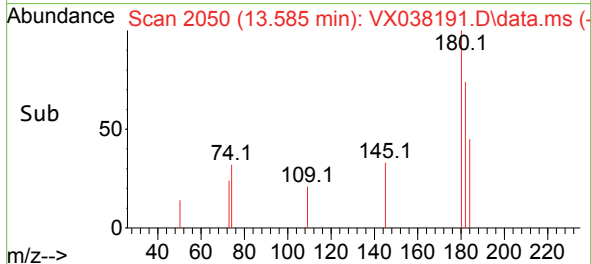
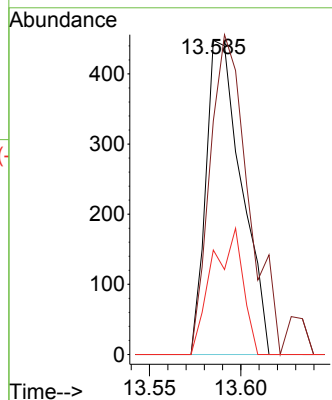
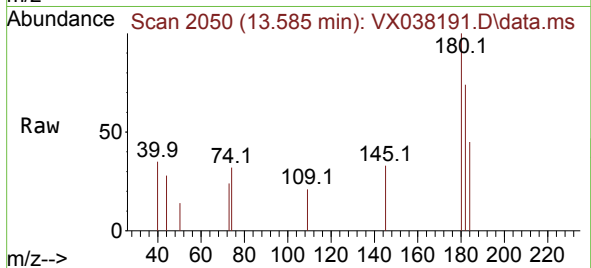
Tgt Ion:180 Resp: 606

Ion Ratio Lower Upper

180 100

182 115.5 48.3 144.8

145 35.0 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.360 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX038191.D

Acq: 10 Oct 2023 11:18

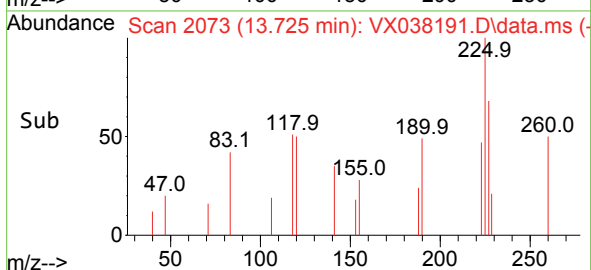
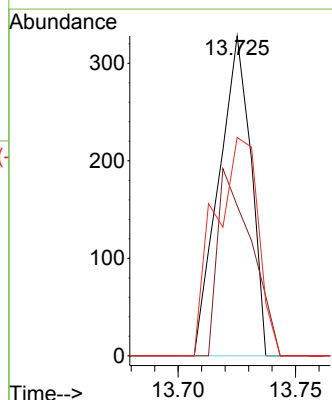
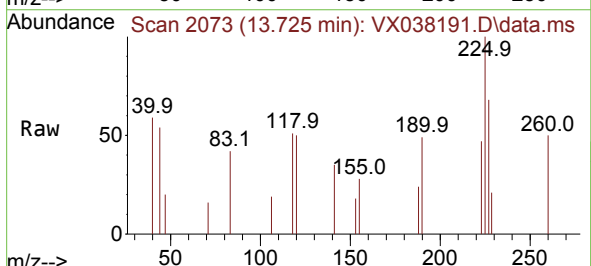
Tgt Ion:225 Resp: 310

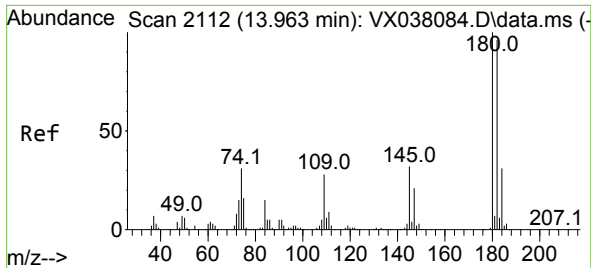
Ion Ratio Lower Upper

225 100

223 61.9 31.1 93.2

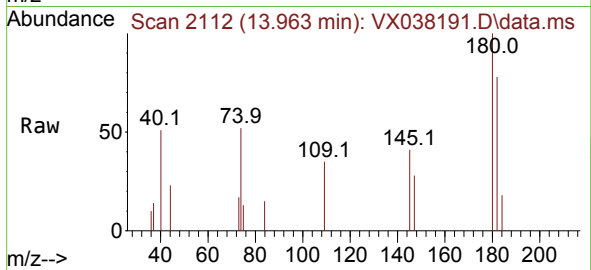
227 91.9 32.5 97.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.305 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX038191.D
 Acq: 10 Oct 2023 11:18

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7



Tgt Ion:180 Resp: 633
 Ion Ratio Lower Upper
 180 100
 182 91.5 46.9 140.6
 145 29.9 17.8 53.5

