

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080823\
 Data File : VX036866.D
 Acq On : 08 Aug 2023 16:03
 Operator : JC/MD
 Sample : 03903-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06W

Quant Time: Aug 09 04:16:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

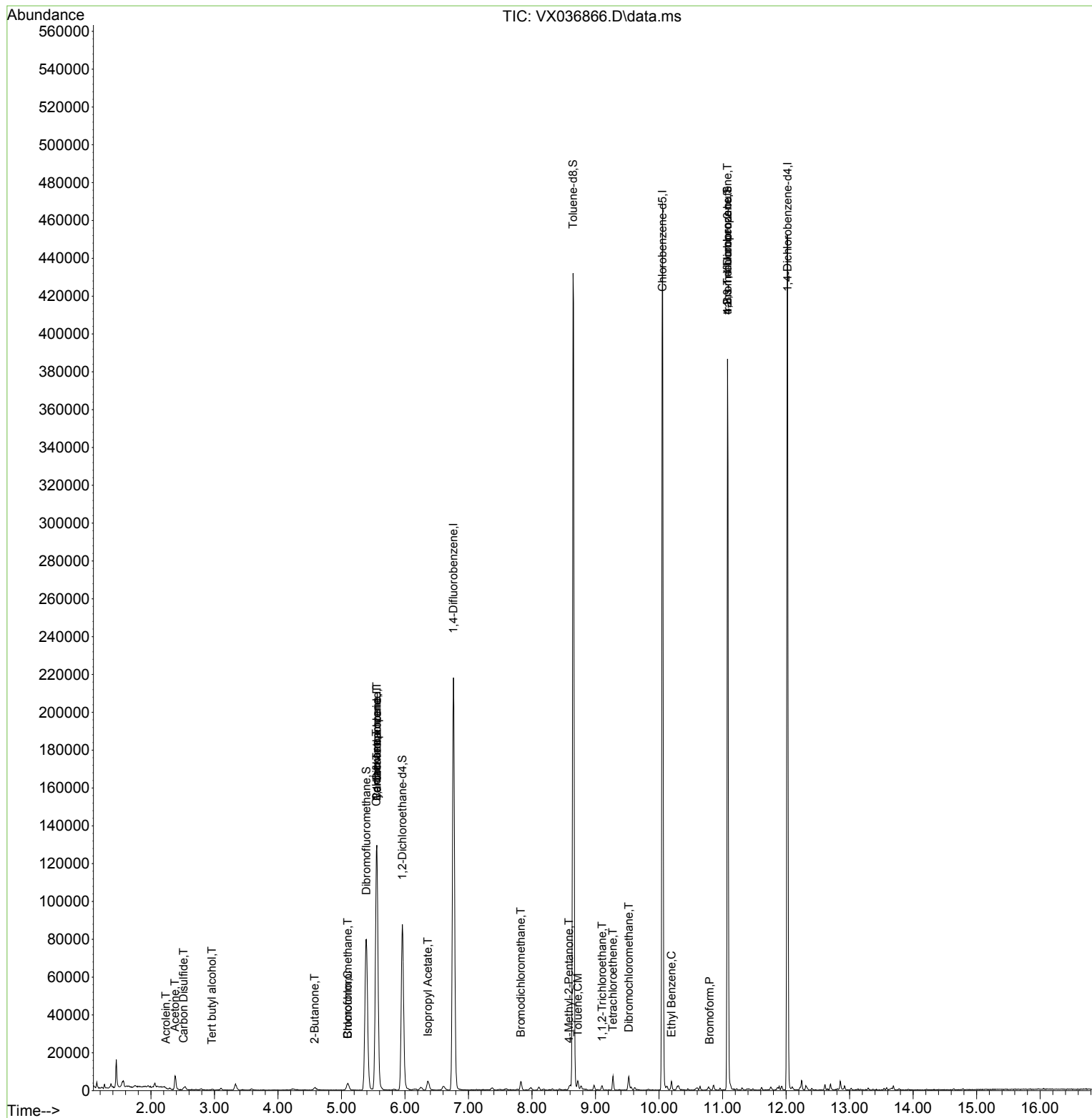
Internal Standards						
1) Pentafluorobenzene	5.556	168	119862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	221565	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84692	47.753	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.500%		
35) Dibromofluoromethane	5.391	113	71113	46.695	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.400%		
50) Toluene-d8	8.647	98	262964	48.692	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.380%		
62) 4-Bromofluorobenzene	11.079	95	102342	50.228	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.460%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.959	59	510	1.215	ug/l #	78
13) Acrolein	2.233	56	135	0.563	ug/l #	1
16) Acetone	2.380	43	8013	10.888	ug/l	95
17) Carbon Disulfide	2.514	76	1136	0.307	ug/l	97
25) 2-Butanone	4.574	43	1893	1.585	ug/l #	88
28) Bromochloromethane	5.099	49	279	0.205	ug/l #	16
30) Chloroform	5.099	83	4351	1.512	ug/l	93
31) Cyclohexane	5.550	56	2858	1.164	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10203	4.495	ug/l #	51
38) Carbon Tetrachloride	5.556	117	12985	5.381	ug/l #	14
43) Isopropyl Acetate	6.361	43	1897	0.429	ug/l #	62
47) Bromodichloromethane	7.824	83	3031	1.197	ug/l #	92
51) 4-Methyl-2-Pentanone	8.580	43	962	0.393	ug/l #	64
52) Toluene	8.720	92	1683	0.407	ug/l	92
55) 1,1,2-Trichloroethane	9.104	97	841	0.483	ug/l #	17
60) Dibromochloromethane	9.525	129	1708	0.893	ug/l	98
64) Tetrachloroethene	9.275	164	1283	0.829	ug/l #	86
67) Ethyl Benzene	10.195	91	2649	0.317	ug/l	95
71) Bromoform	10.799	173	304	0.213	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	53425	23.686	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	53425	53.686	ug/l #	5

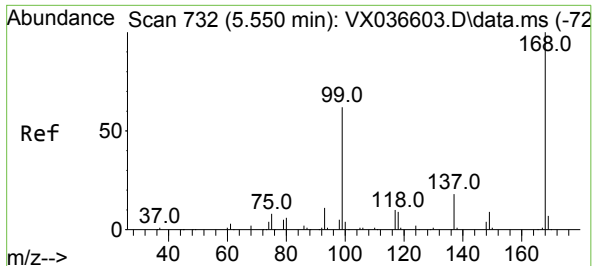
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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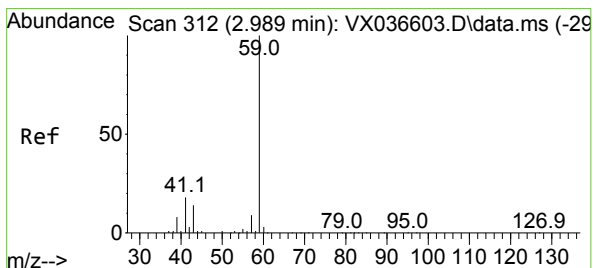
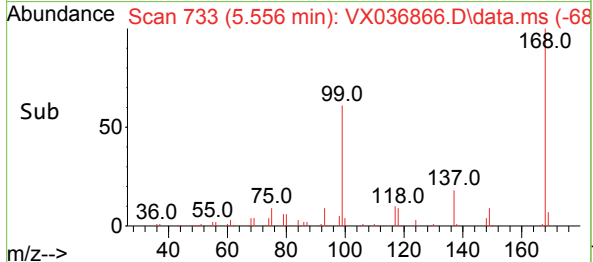
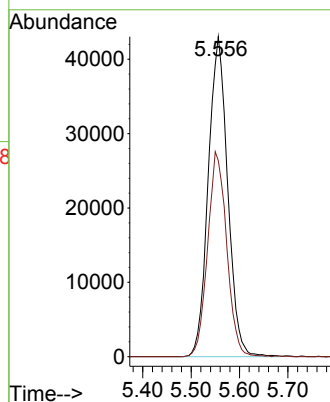
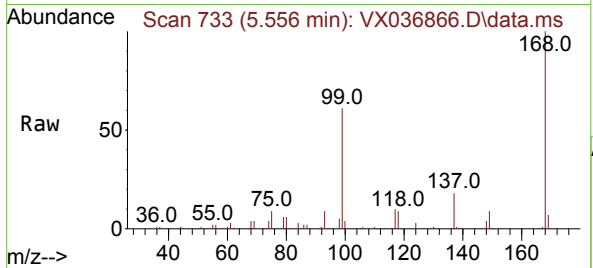




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

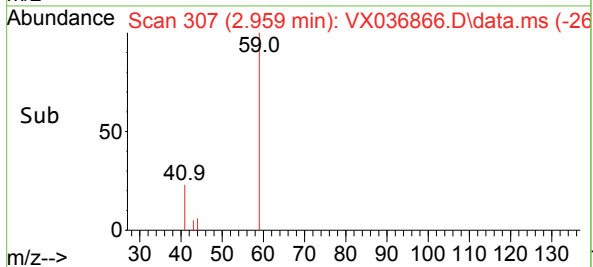
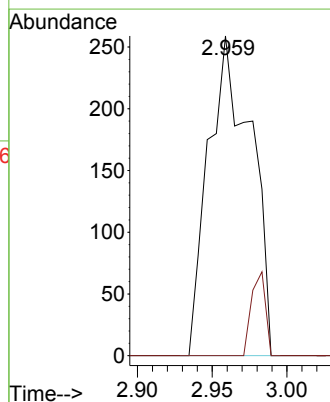
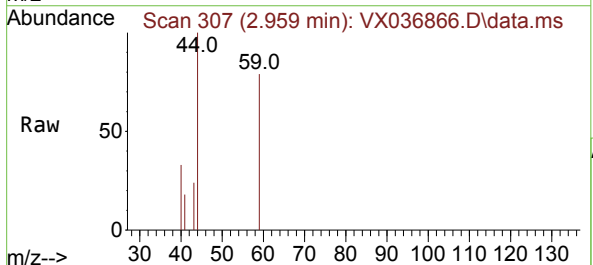
Instrument :
MSVOA_X
ClientSampleId :
MW-06W

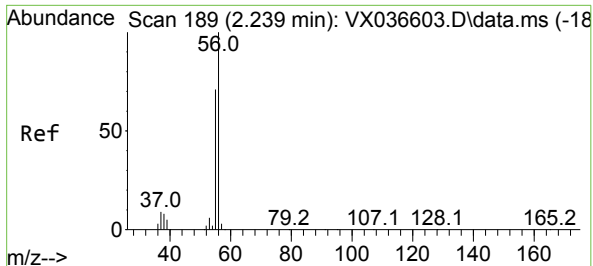
Tgt Ion:168 Resp: 119862
Ion Ratio Lower Upper
168 100
99 61.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.215 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

Tgt Ion: 59 Resp: 510
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

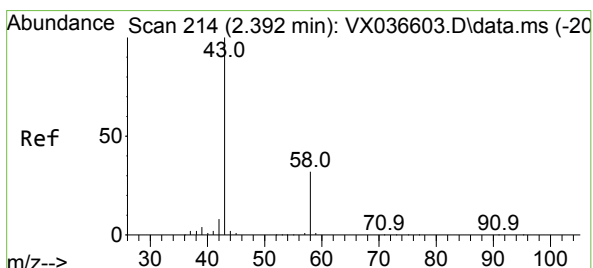
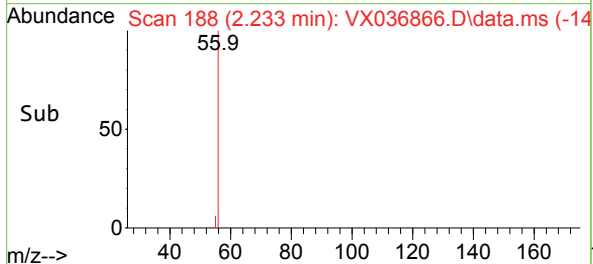
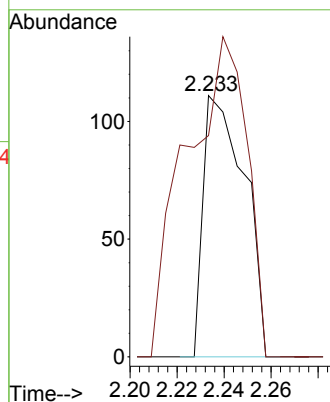
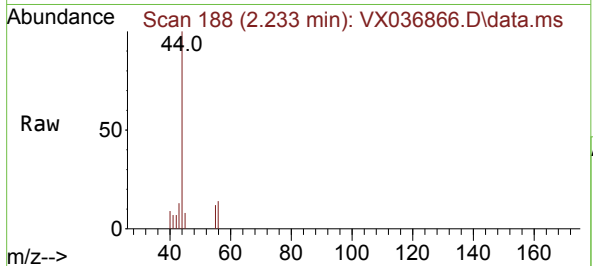




#13
Acrolein
Concen: 0.563 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

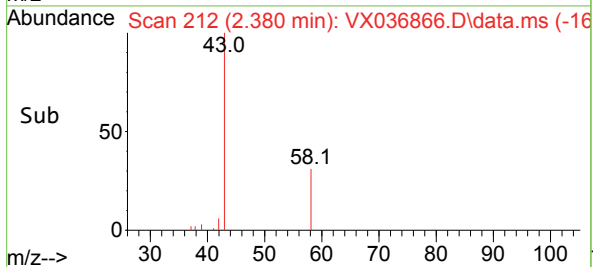
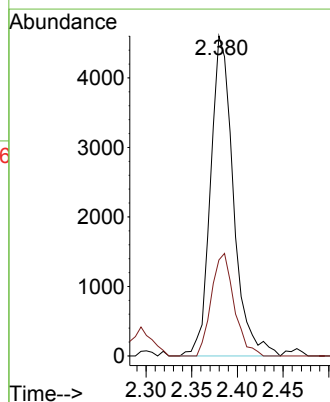
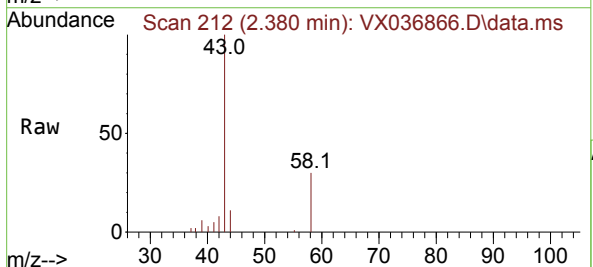
Instrument :
MSVOA_X
ClientSampleId :
MW-06W

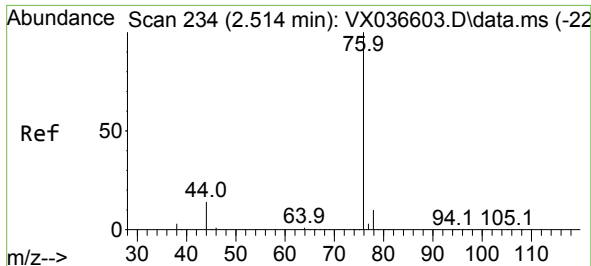
Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 181.5 57.1 85.7#



#16
Acetone
Concen: 10.888 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

Tgt Ion: 43 Resp: 8013
Ion Ratio Lower Upper
43 100
58 30.0 21.9 32.9

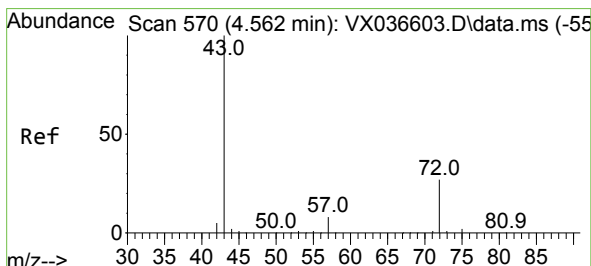
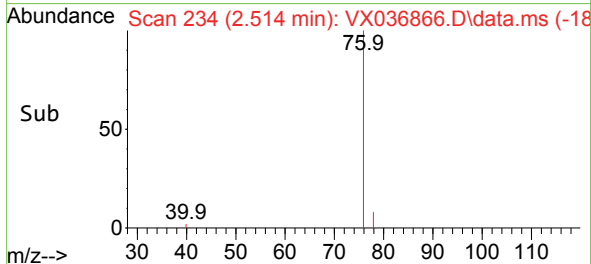
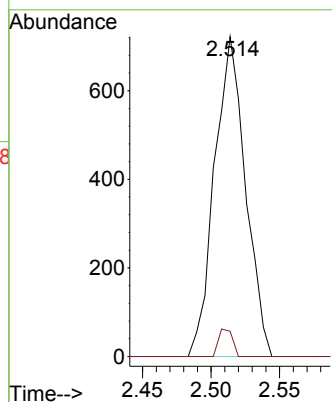
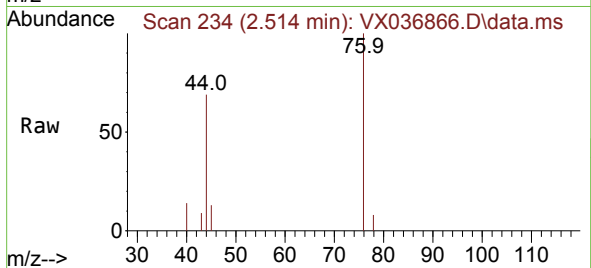




#17
Carbon Disulfide
Concen: 0.307 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

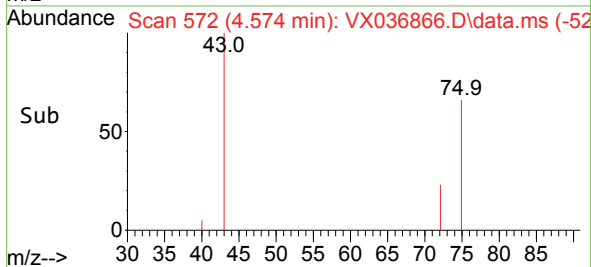
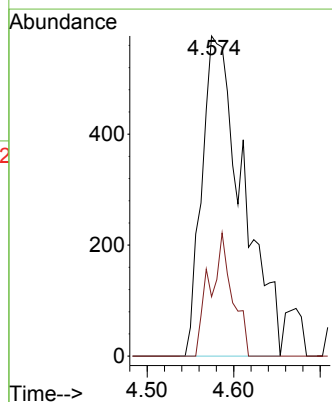
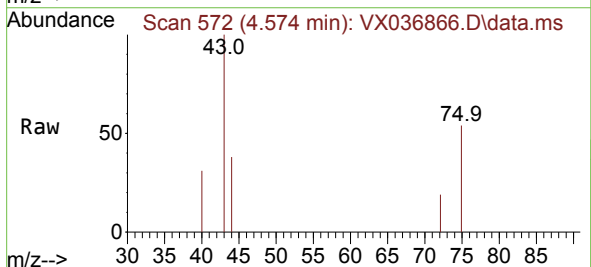
Instrument :
MSVOA_X
ClientSampleId :
MW-06W

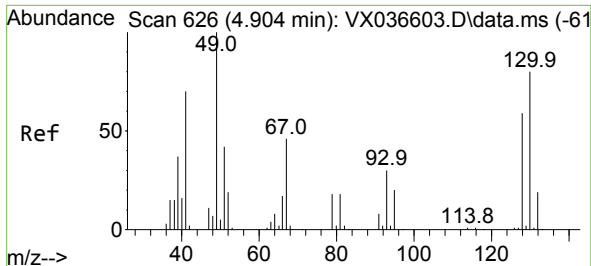
Tgt Ion: 76 Resp: 1136
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.6



#25
2-Butanone
Concen: 1.585 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

Tgt Ion: 43 Resp: 1893
Ion Ratio Lower Upper
43 100
72 18.5 19.4 29.2#

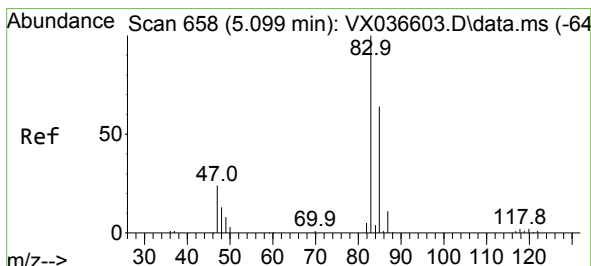
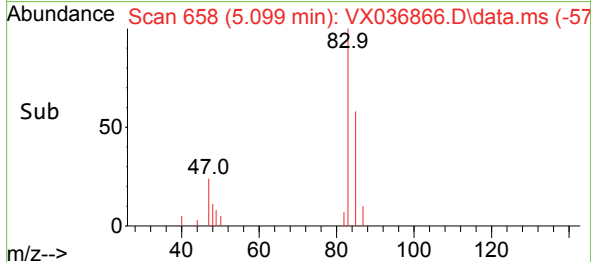
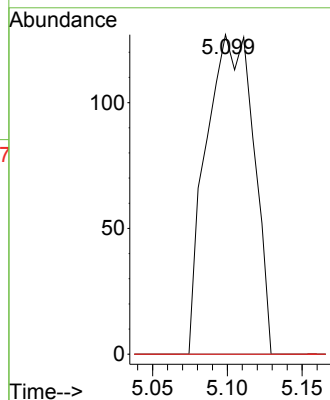
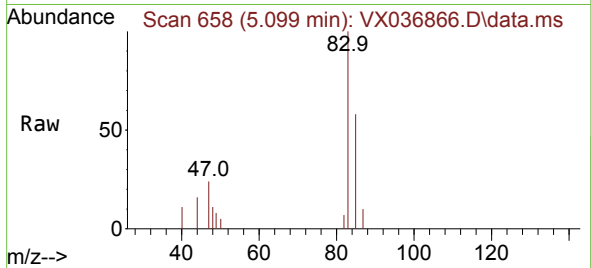




#28
Bromochloromethane
Concen: 0.205 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.195 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

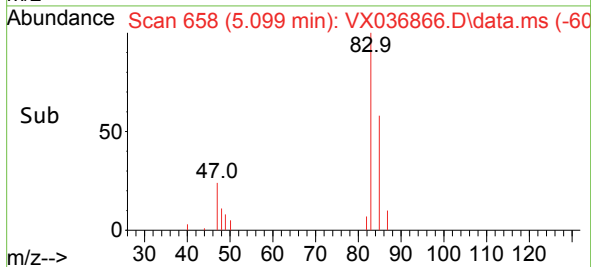
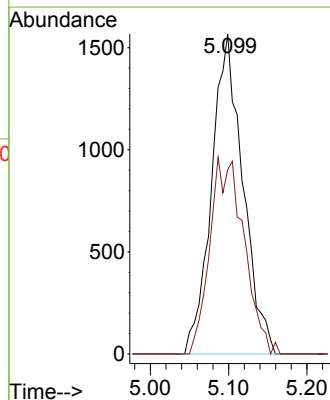
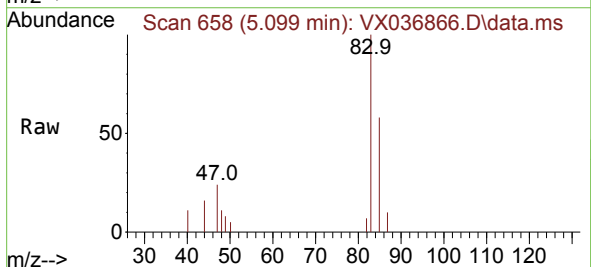
Instrument :
MSVOA_X
ClientSampleId :
MW-06W

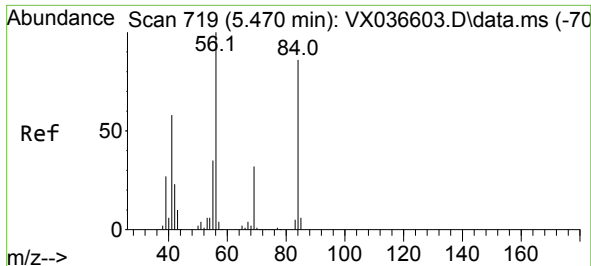
Tgt Ion: 49 Resp: 279
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#30
Chloroform
Concen: 1.512 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.000 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

Tgt Ion: 83 Resp: 4351
Ion Ratio Lower Upper
83 100
85 57.6 50.3 75.5

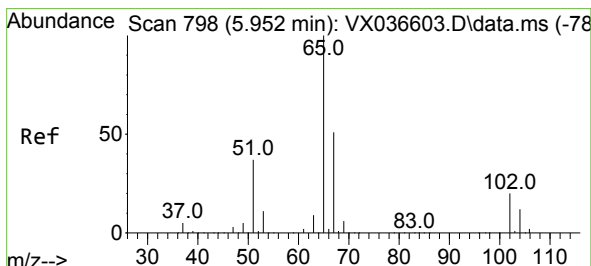
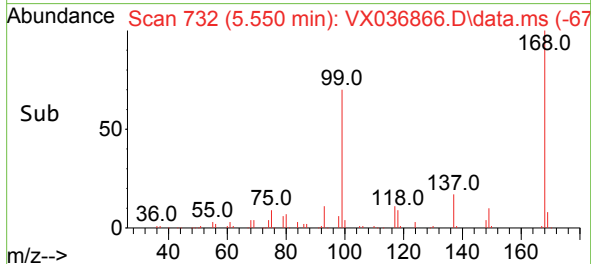
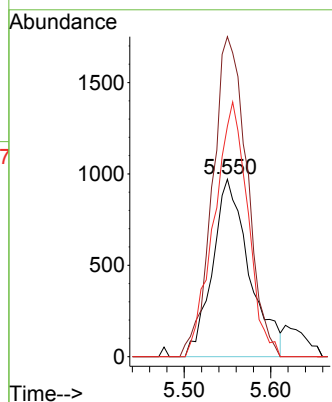
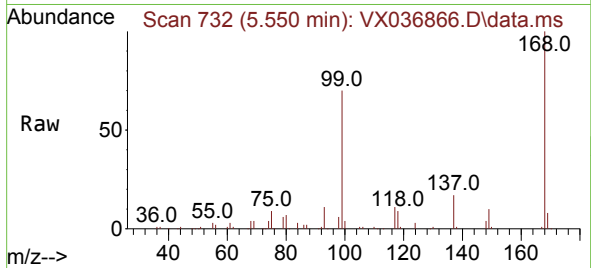




#31
Cyclohexane
Concen: 1.164 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

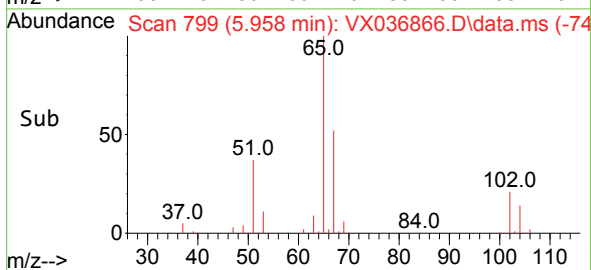
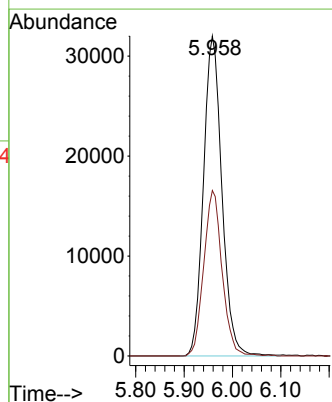
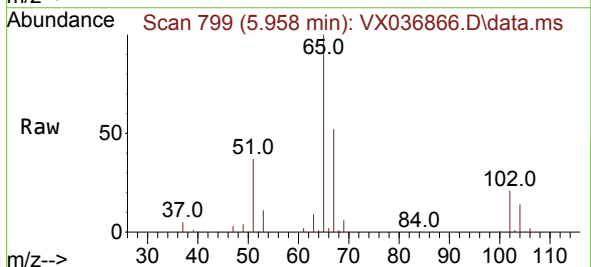
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MSVOA_X
ClientSampleId :
MW-06W

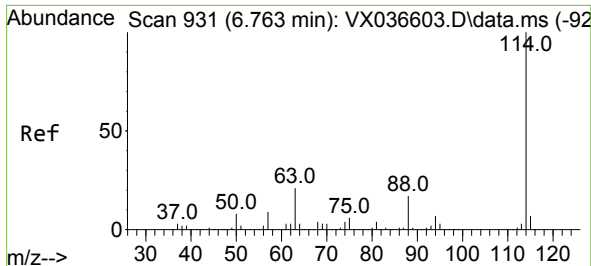
Tgt Ion: 56 Resp: 2858
Ion Ratio Lower Upper
56 100
69 180.3 23.4 35.2#
84 129.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.753 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

Tgt Ion: 65 Resp: 84692
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

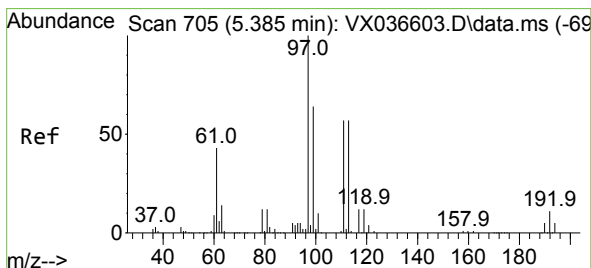
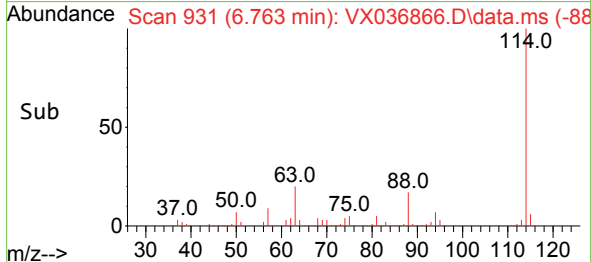
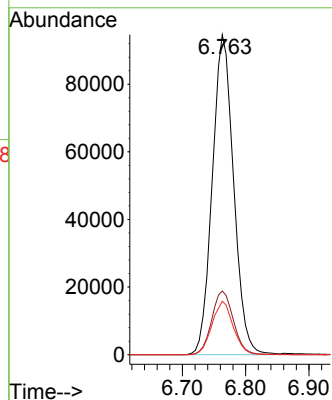
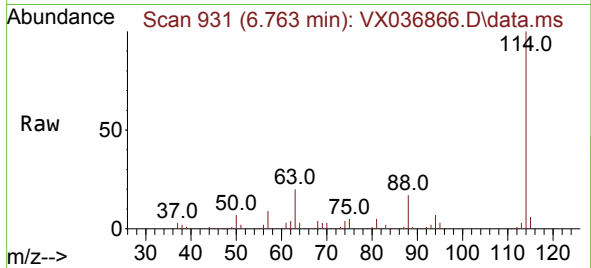




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX036866.D
 Acq: 08 Aug 2023 16:03

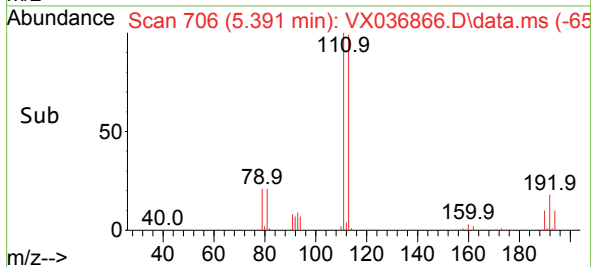
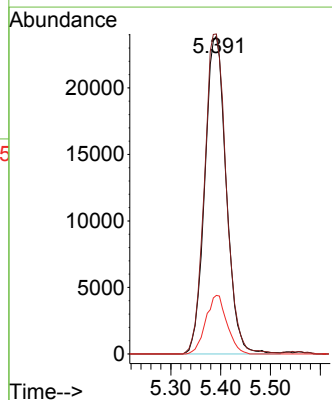
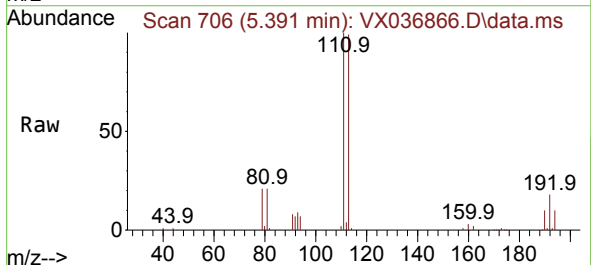
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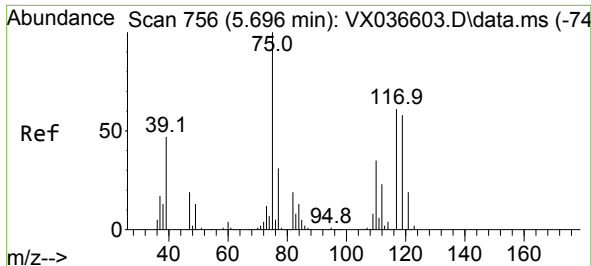
Tgt Ion:114 Resp: 221565
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 45.0
 88 16.7 0.0 36.6



#35
 Dibromofluoromethane
 Concen: 46.695 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.006 min
 Lab File: VX036866.D
 Acq: 08 Aug 2023 16:03

Tgt Ion:113 Resp: 71113
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 18.2 13.3 19.9

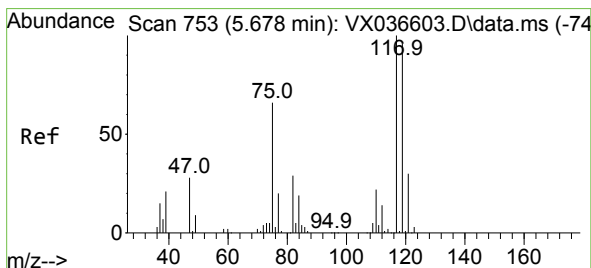
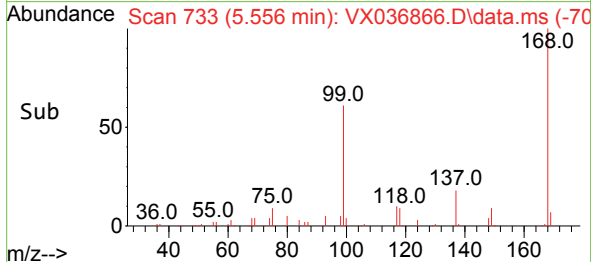
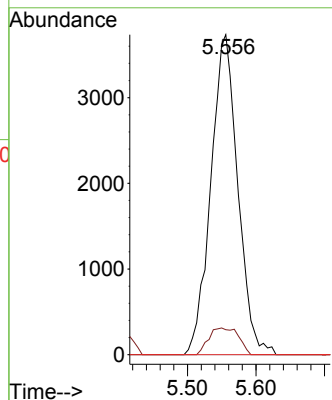
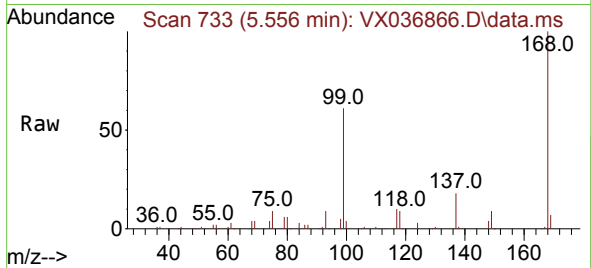




#36
1,1-Dichloropropene
Concen: 4.495 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

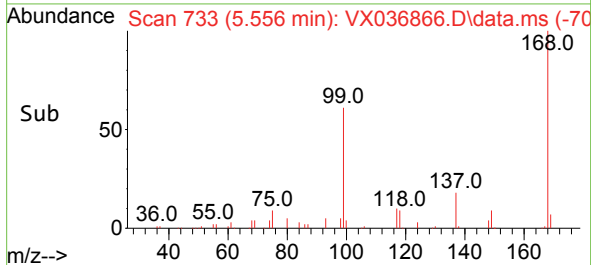
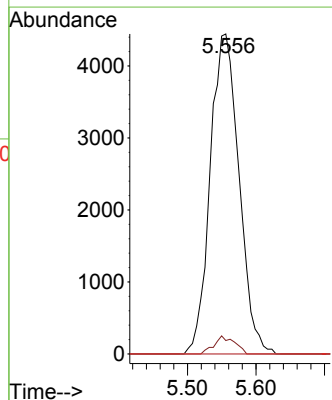
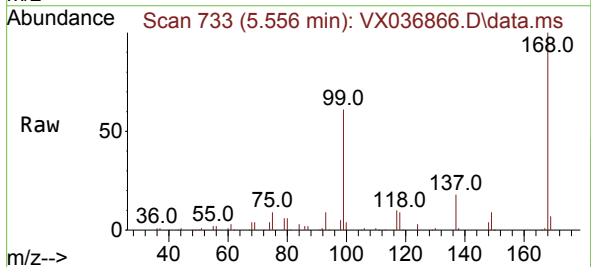
Instrument :
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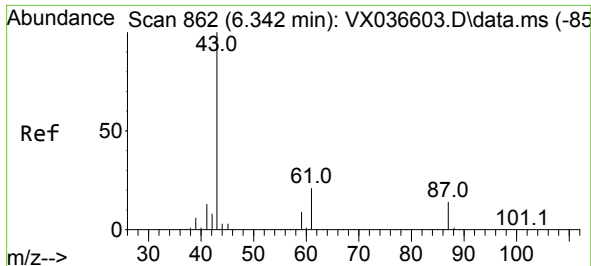
Tgt Ion: 75 Resp: 10203
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.381 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

Tgt Ion: 117 Resp: 12985
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 0.429 ug/l

RT: 6.361 min Scan# 8

Delta R.T. 0.018 min

Lab File: VX036866.D

Acq: 08 Aug 2023 16:03

Instrument :

MSVOA_X

ClientSampleId :

MW-06W

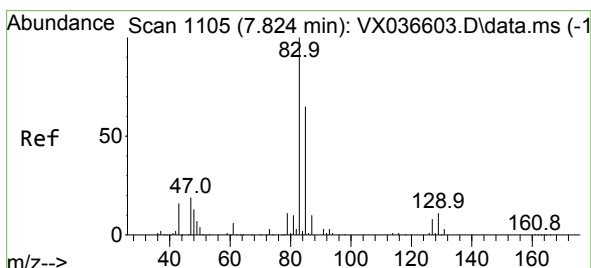
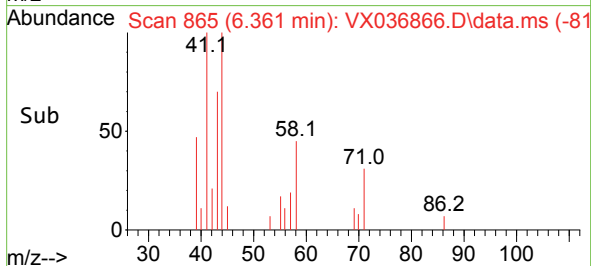
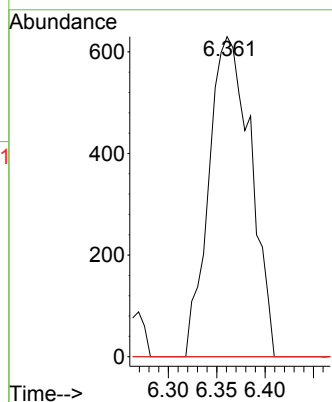
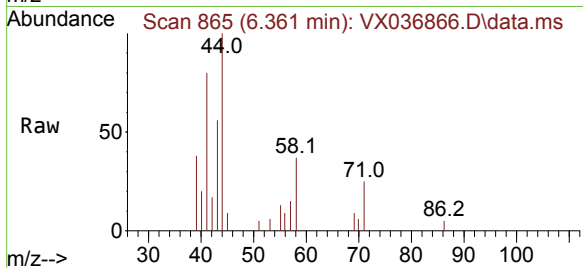
Tgt Ion: 43 Resp: 1897

Ion Ratio Lower Upper

43 100

61 0.0 15.2 22.8#

87 0.0 9.8 14.6#



#47

Bromodichloromethane

Concen: 1.197 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX036866.D

Acq: 08 Aug 2023 16:03

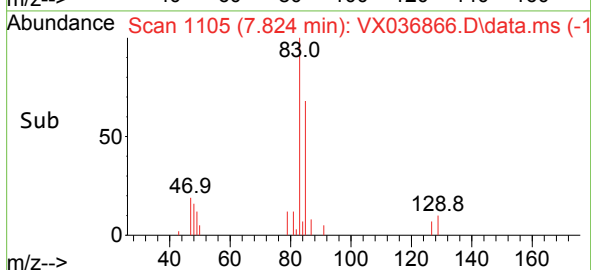
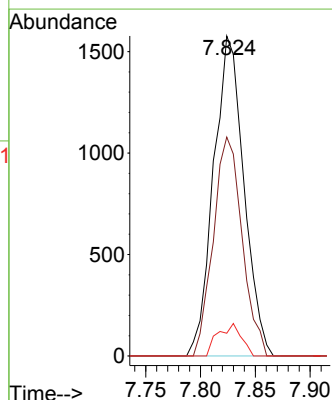
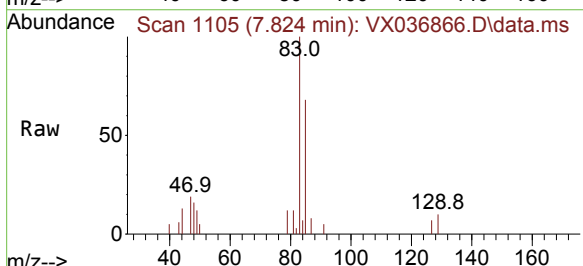
Tgt Ion: 83 Resp: 3031

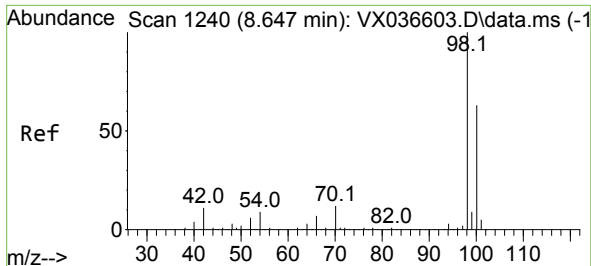
Ion Ratio Lower Upper

83 100

85 68.4 49.8 74.6

127 7.1 7.1 10.7#

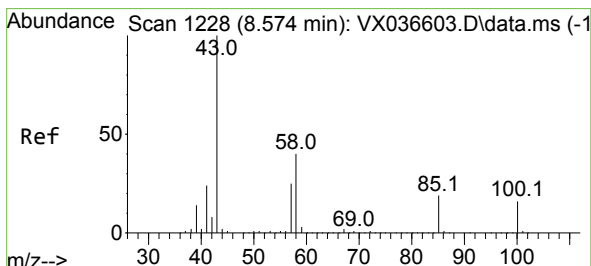
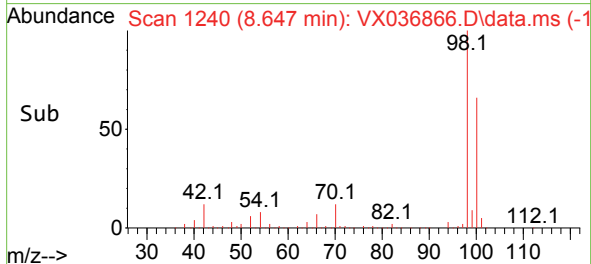
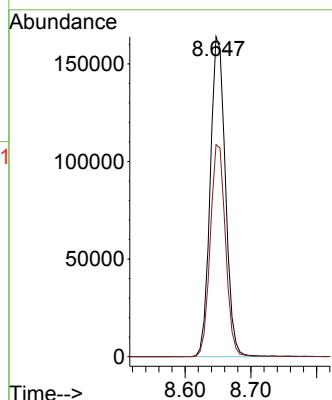
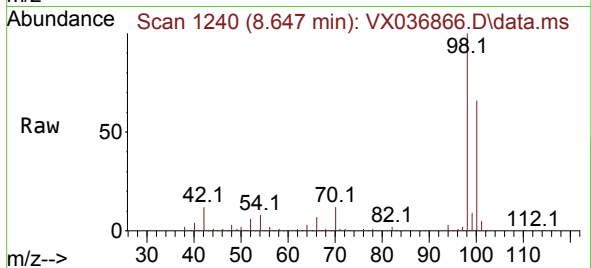




#50
Toluene-d8
Concen: 48.692 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

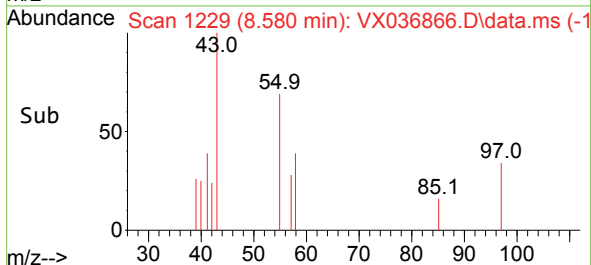
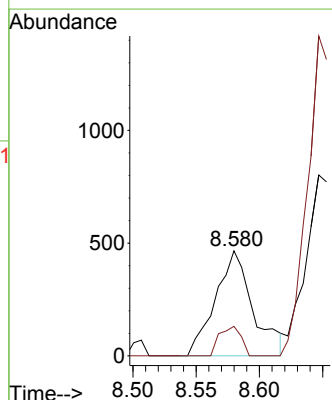
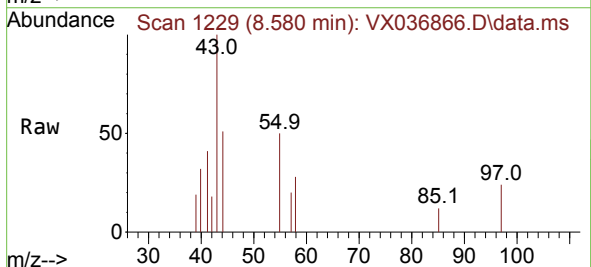
Instrument :
MSVOA_X
ClientSampleId :
MW-06W

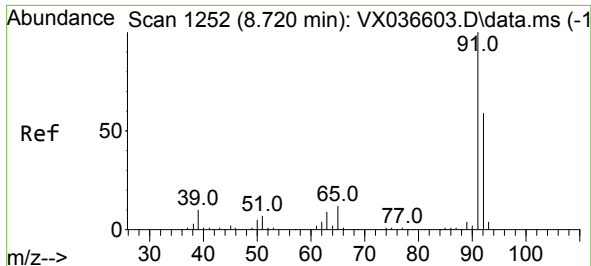
Tgt Ion: 98 Resp: 262964
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.393 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
58 16.1 30.4 45.6#

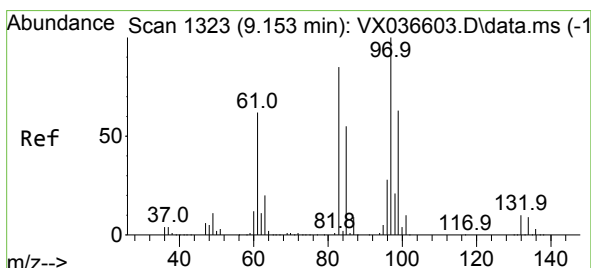
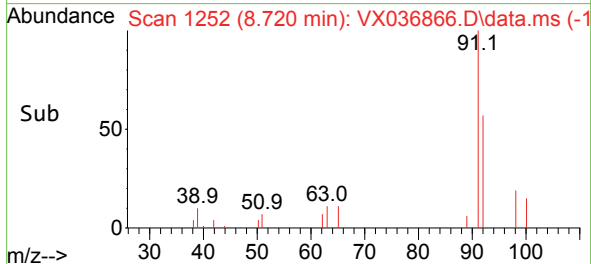
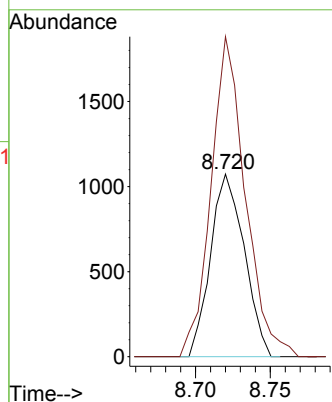
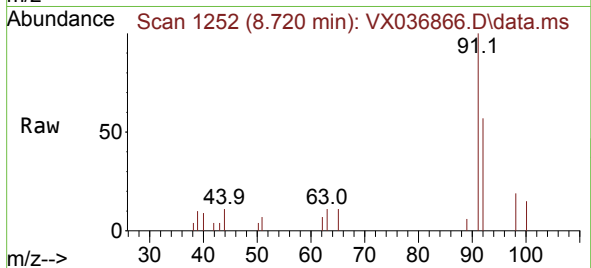




#52
Toluene
Concen: 0.407 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

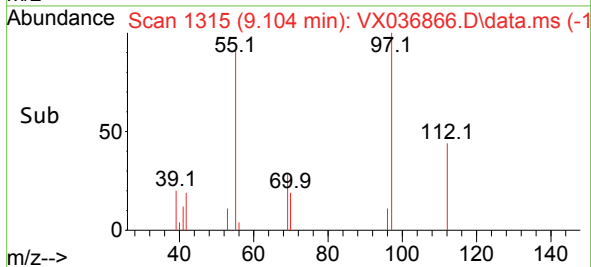
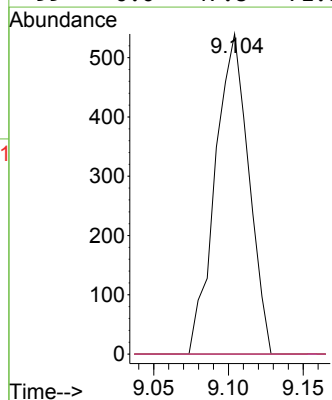
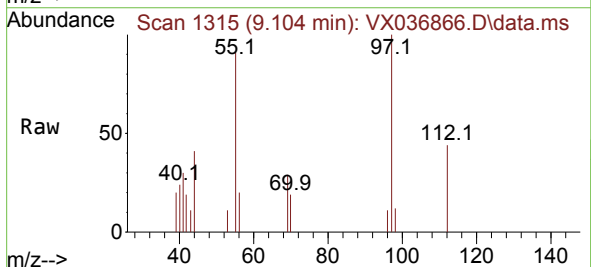
Instrument :
MSVOA_X
ClientSampleId :
MW-06W

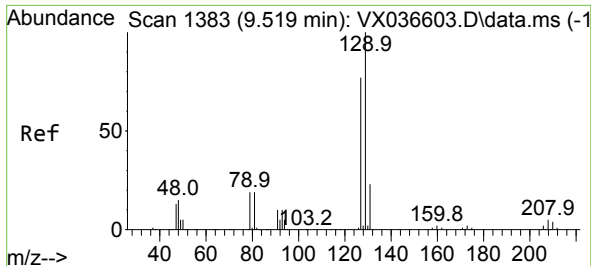
Tgt Ion: 92 Resp: 1683
Ion Ratio Lower Upper
92 100
91 178.3 134.2 201.2



#55
1,1,2-Trichloroethane
Concen: 0.483 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

Tgt Ion: 97 Resp: 841
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.8#
85 0.0 41.6 62.4#
99 0.0 47.8 71.8#

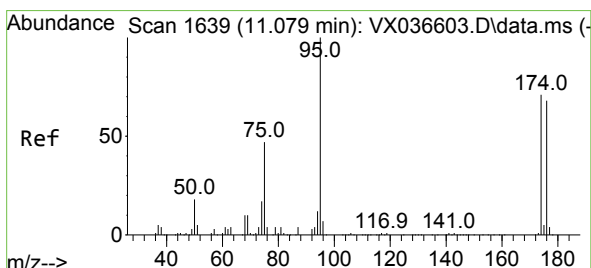
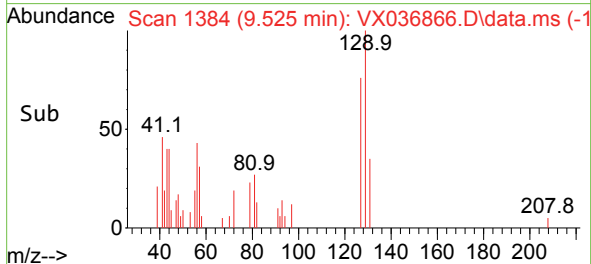
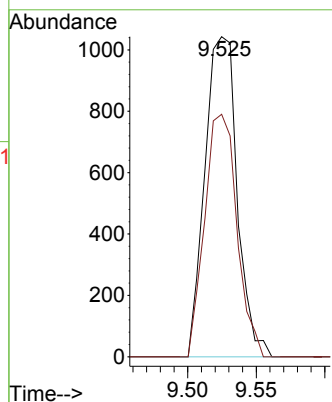
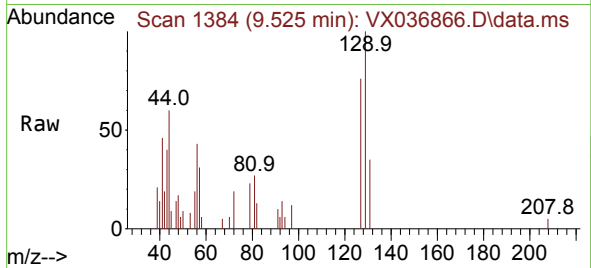




#60
Dibromochloromethane
Concen: 0.893 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

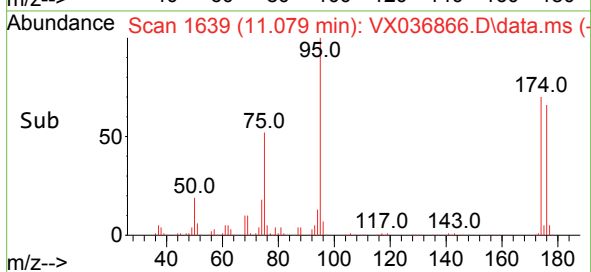
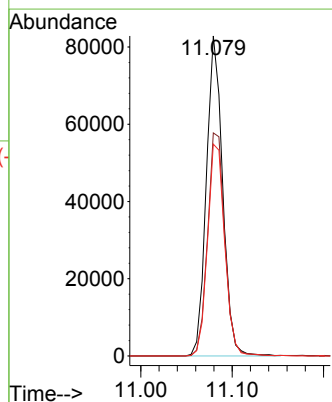
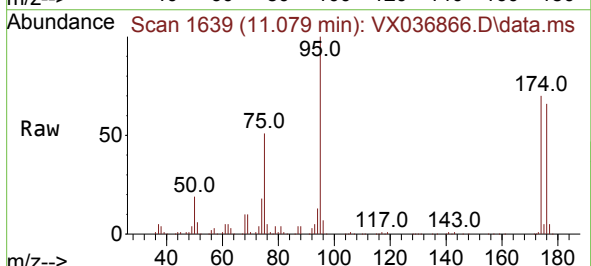
Instrument :
MSVOA_X
ClientSampleId :
MW-06W

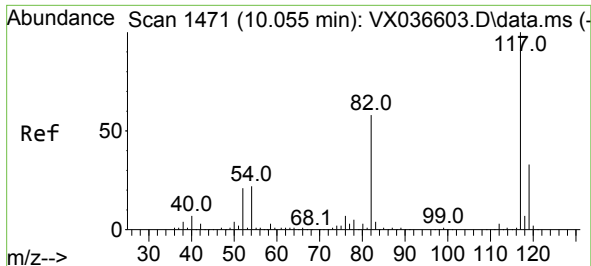
Tgt Ion:129 Resp: 1708
Ion Ratio Lower Upper
129 100
127 75.5 38.8 116.4



#62
4-Bromofluorobenzene
Concen: 50.228 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

Tgt Ion: 95 Resp: 102342
Ion Ratio Lower Upper
95 100
174 73.7 0.0 135.6
176 70.0 0.0 131.0

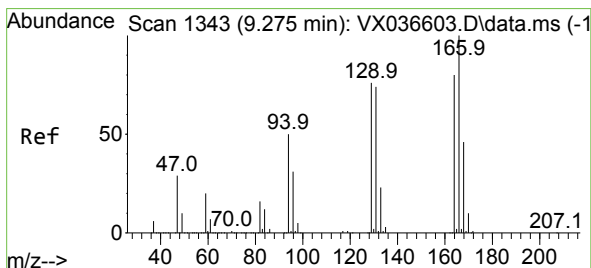
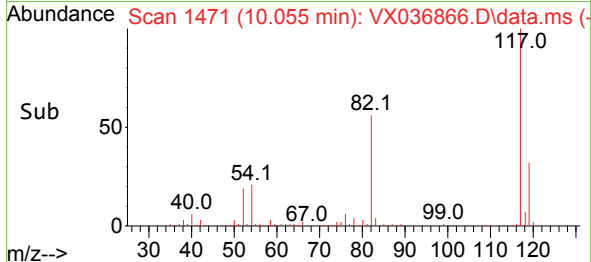
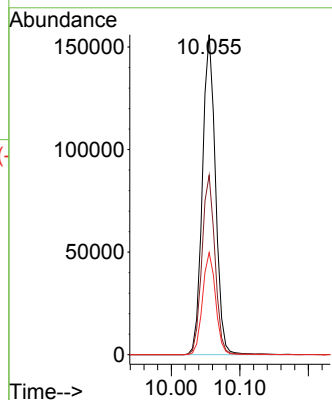
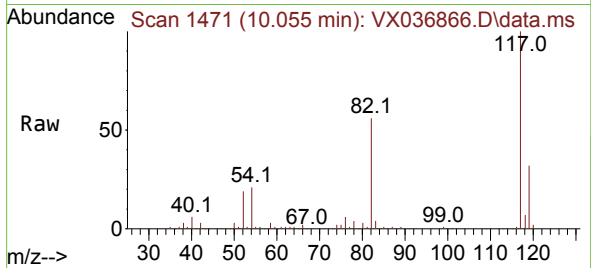




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

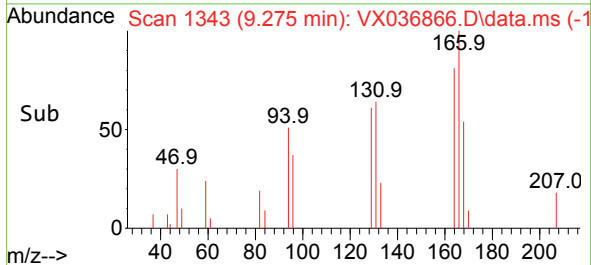
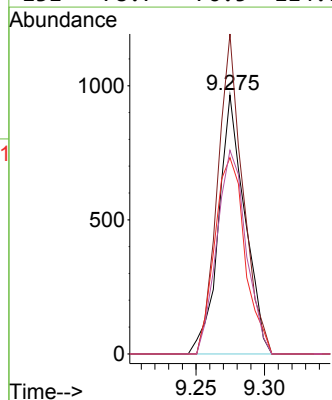
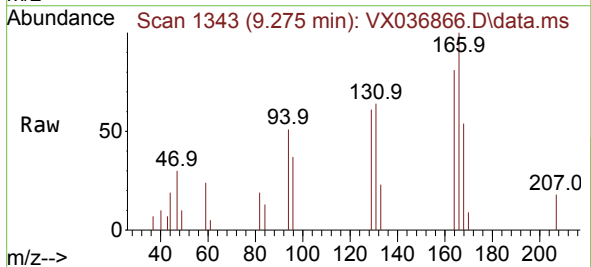
Instrument :
MSVOA_X
ClientSampleId :
MW-06W

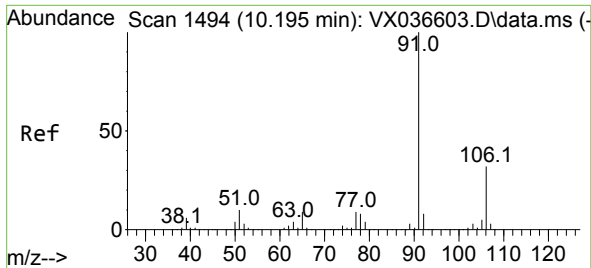
Tgt Ion:117 Resp: 207384
Ion Ratio Lower Upper
117 100
82 56.1 46.2 69.4
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 0.829 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

Tgt Ion:164 Resp: 1283
Ion Ratio Lower Upper
164 100
166 123.6 102.7 154.1
129 75.9 80.4 120.6#
131 78.7 76.5 114.7

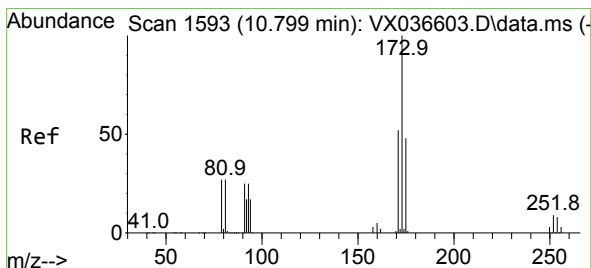
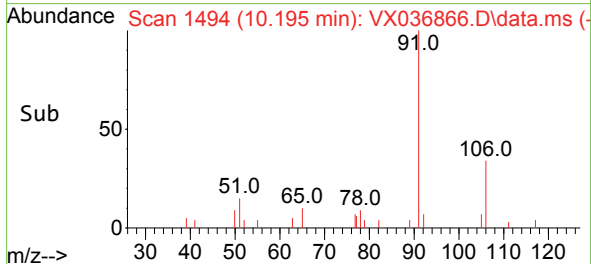
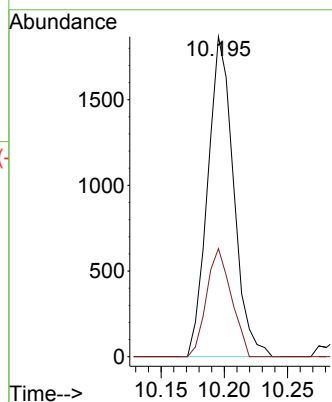
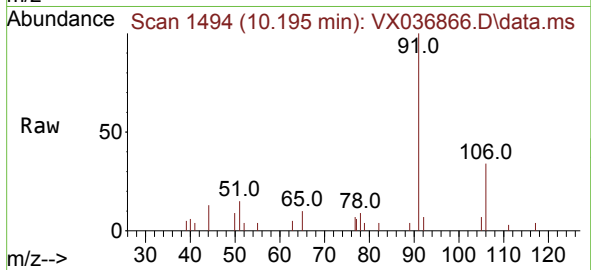




#67
Ethyl Benzene
Concen: 0.317 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

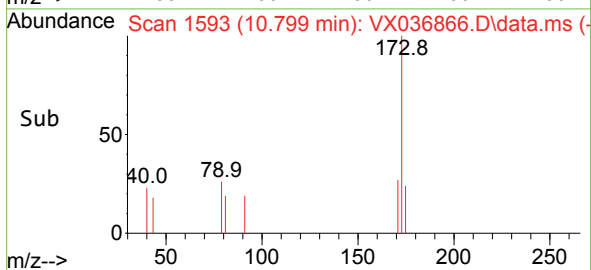
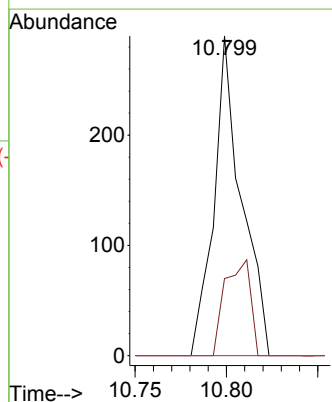
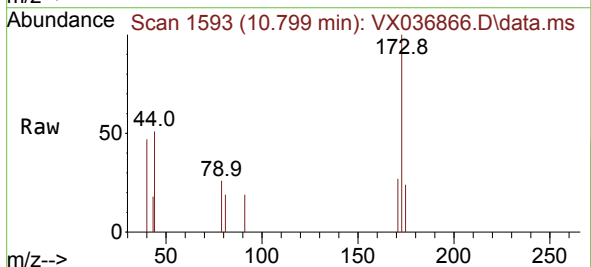
Instrument :
MSVOA_X
ClientSampleId :
MW-06W

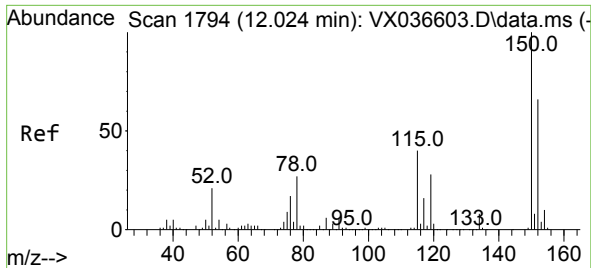
Tgt Ion: 91 Resp: 2649
Ion Ratio Lower Upper
91 100
106 33.8 24.9 37.3



#71
Bromoform
Concen: 0.213 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX036866.D
Acq: 08 Aug 2023 16:03

Tgt Ion: 173 Resp: 304
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0

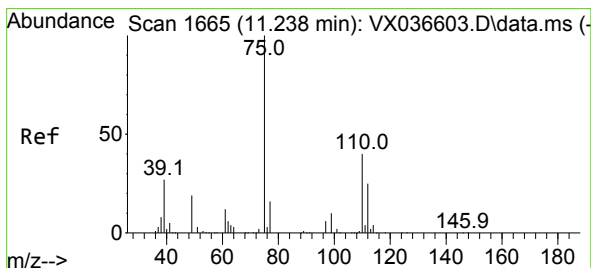
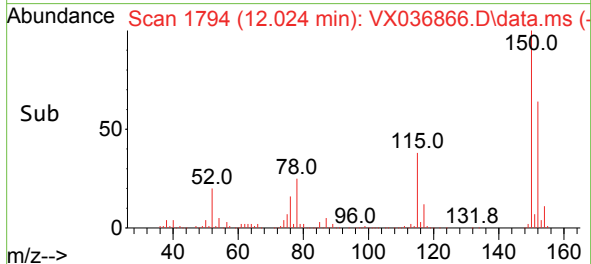
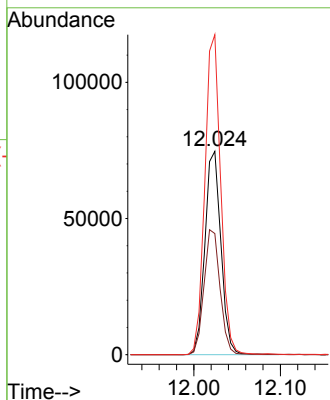
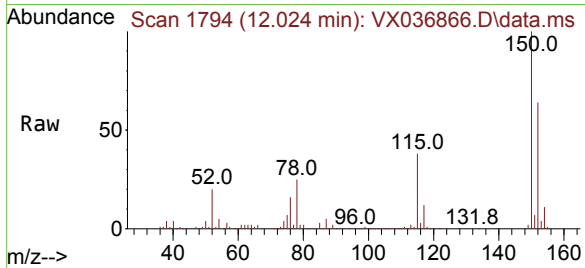




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036866.D
 Acq: 08 Aug 2023 16:03

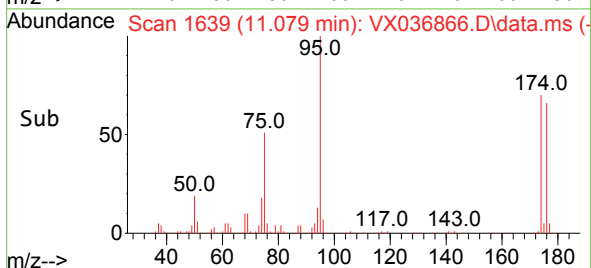
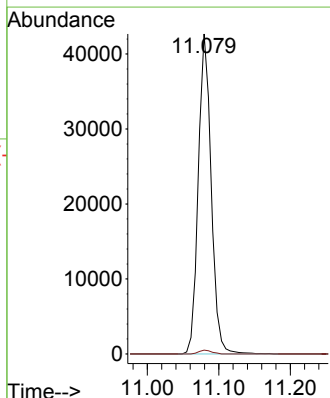
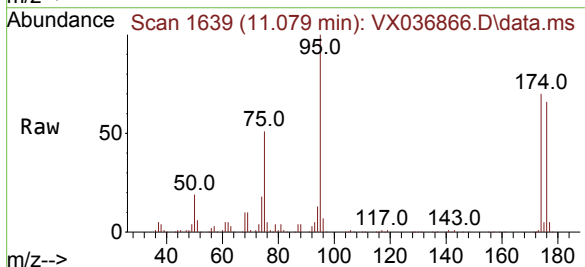
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06W

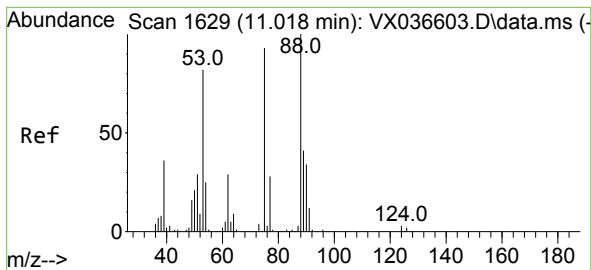
Tgt Ion:152 Resp: 95894
 Ion Ratio Lower Upper
 152 100
 115 61.7 43.3 129.9
 150 155.1 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 23.686 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX036866.D
 Acq: 08 Aug 2023 16:03

Tgt Ion: 75 Resp: 53425
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.686 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036866.D
 Acq: 08 Aug 2023 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06W

Tgt Ion: 75 Resp: 53425
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

