

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080823\
 Data File : VX036863.D
 Acq On : 08 Aug 2023 14:51
 Operator : JC/MD
 Sample : 03903-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-03W

Quant Time: Aug 09 04:14:57 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)

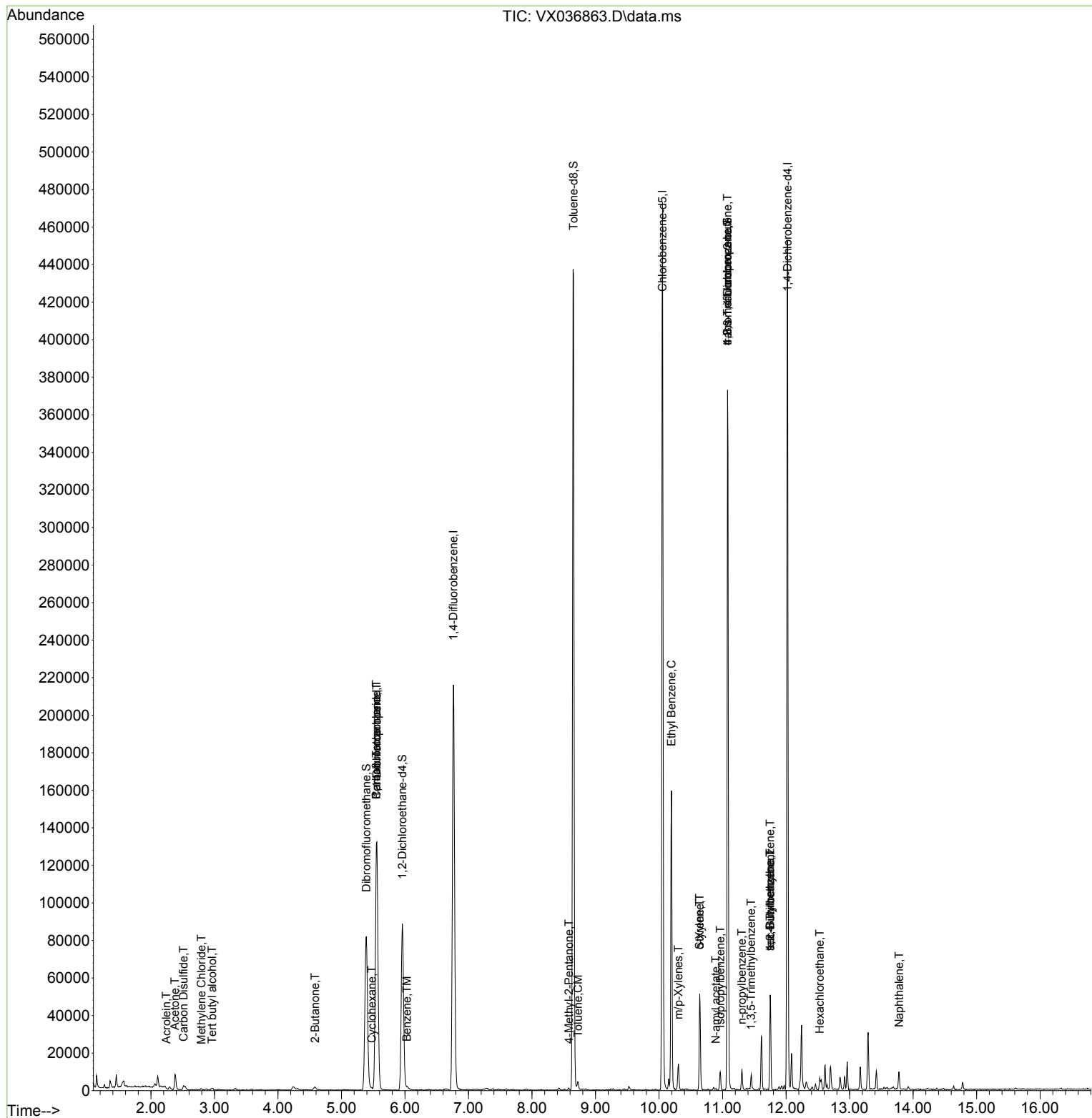
Internal Standards						
1) Pentafluorobenzene	5.550	168	123070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226161	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86310	47.397	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.800%		
35) Dibromofluoromethane	5.391	113	72597	46.701	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.400%		
50) Toluene-d8	8.653	98	269349	48.860	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.720%		
62) 4-Bromofluorobenzene	11.079	95	103561	49.793	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.580%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.965	59	1217	2.823	ug/l #	84
13) Acrolein	2.239	56	215	0.874	ug/l #	14
16) Acetone	2.379	43	8679	11.486	ug/l #	87
17) Carbon Disulfide	2.513	76	2515	0.661	ug/l	98
20) Methylene Chloride	2.794	84	349	0.208	ug/l #	81
25) 2-Butanone	4.586	43	1660	1.354	ug/l #	86
31) Cyclohexane	5.476	56	571	0.226	ug/l #	89
36) 1,1-Dichloropropene	5.556	75	10086	4.353	ug/l #	51
38) Carbon Tetrachloride	5.550	117	13315	5.405	ug/l #	14
40) Benzene	6.031	78	1641	0.243	ug/l	97
51) 4-Methyl-2-Pentanone	8.579	43	803	0.321	ug/l	89
52) Toluene	8.726	92	1382	0.327	ug/l	91
67) Ethyl Benzene	10.195	91	93384	11.084	ug/l	98
68) m/p-Xylenes	10.305	106	3436	1.093	ug/l	98
69) o-Xylene	10.640	106	11374	3.625	ug/l	100
70) Styrene	10.640	104	1084	0.209	ug/l #	1
73) Isopropylbenzene	10.963	105	5358	0.682	ug/l	98
74) N-amyl acetate	10.896	43	942	0.257	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	53266	23.839	ug/l #	38
78) n-propylbenzene	11.305	91	6838	0.752	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	3612	0.549	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	53266	54.033	ug/l #	5
83) tert-Butylbenzene	11.750	119	2734	0.423	ug/l #	56
84) 1,2,4-Trimethylbenzene	11.750	105	22315	3.393	ug/l	95
85) sec-Butylbenzene	11.750	105	22315	2.769	ug/l #	57
90) Hexachloroethane	12.530	117	356	0.265	ug/l #	17
95) Naphthalene	13.780	128	6346	0.924	ug/l	98

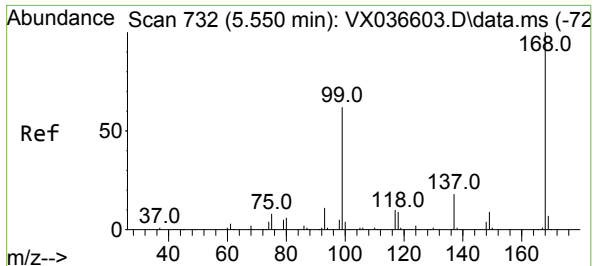
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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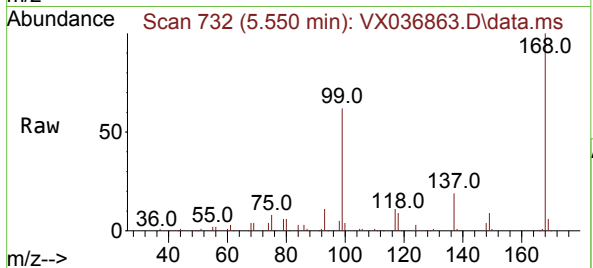
Quant Time: Aug 09 04:14:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
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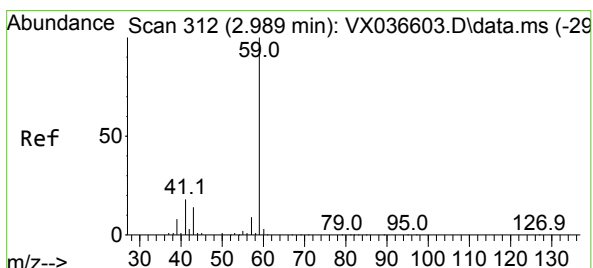
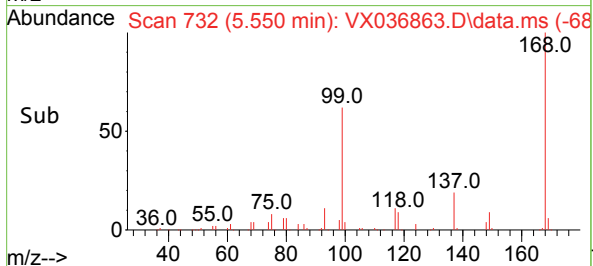
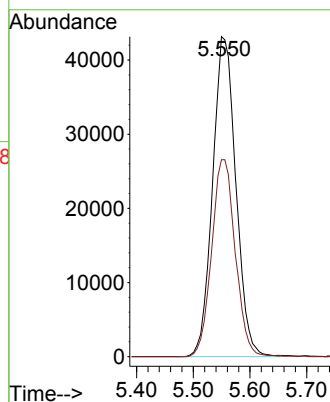


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Instrument :
MSVOA_X
ClientSampleId :
MW-03W

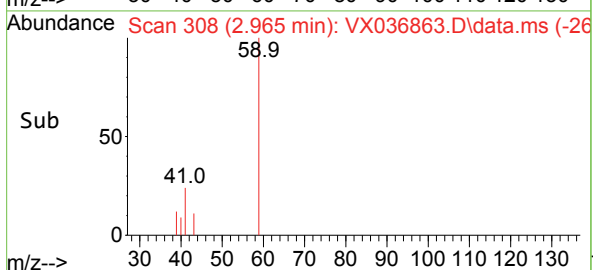
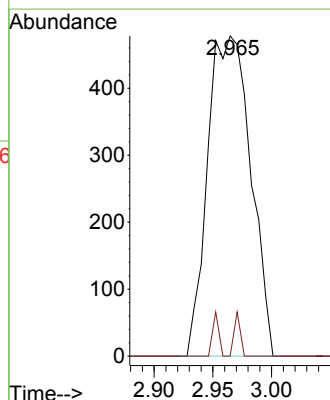
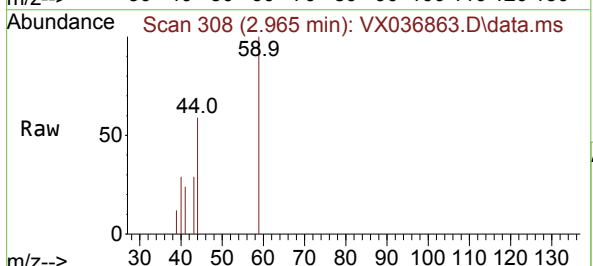


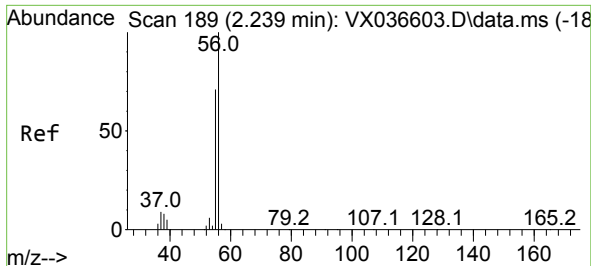
Tgt Ion:168 Resp: 123070
Ion Ratio Lower Upper
168 100
99 61.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 2.823 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.025 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Tgt Ion: 59 Resp: 1217
Ion Ratio Lower Upper
59 100
57 2.0 6.0 9.0#

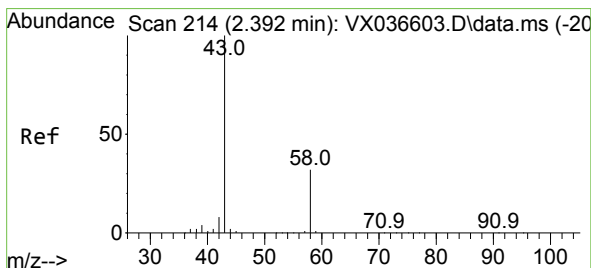
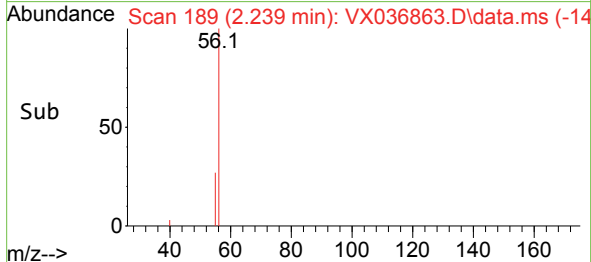
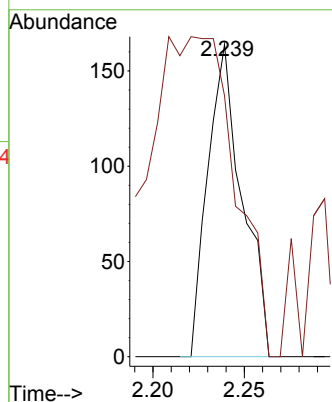
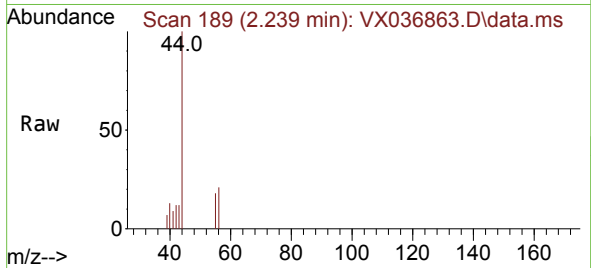




#13
Acrolein
Concen: 0.874 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

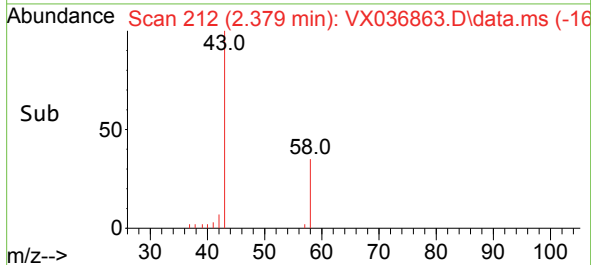
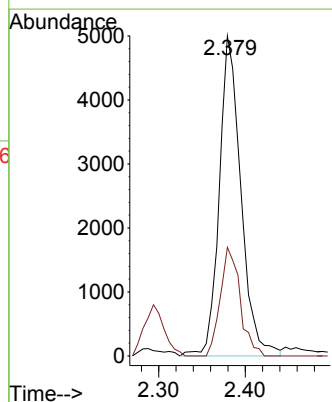
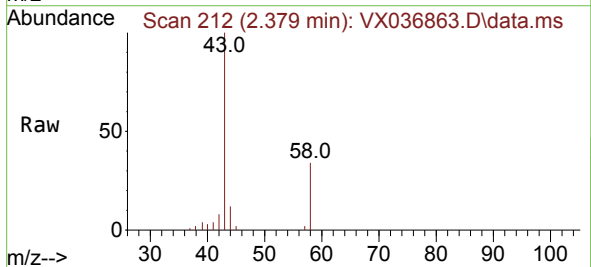
Instrument :
MSVOA_X
ClientSampleId :
MW-03W

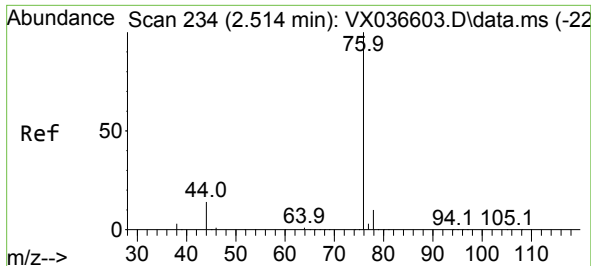
Tgt Ion: 56 Resp: 215
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 11.486 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Tgt Ion: 43 Resp: 8679
Ion Ratio Lower Upper
43 100
58 33.9 21.9 32.9#

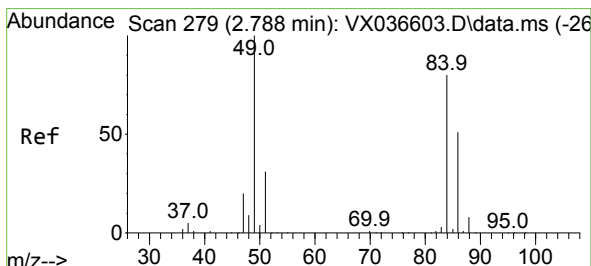
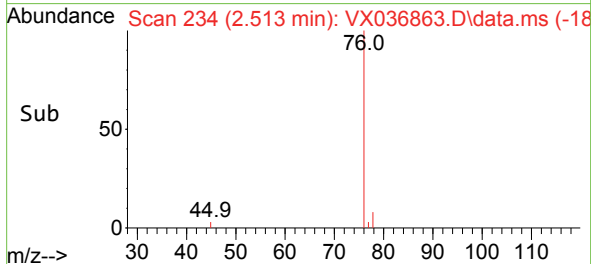
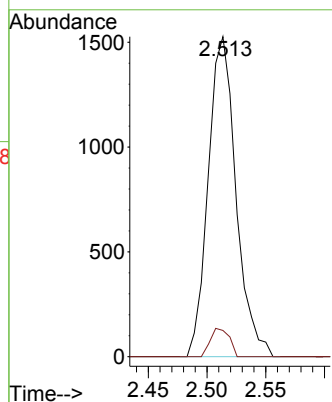
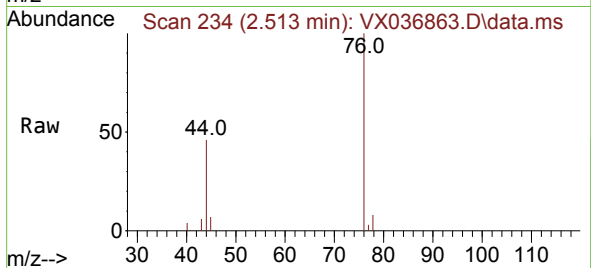




#17
Carbon Disulfide
Concen: 0.661 ug/l
RT: 2.513 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

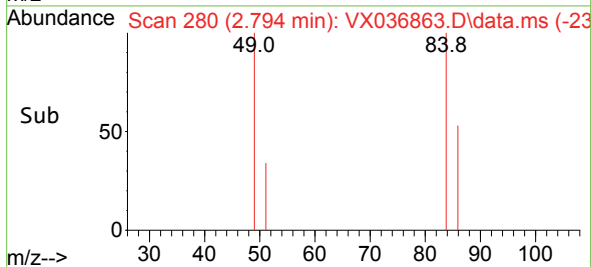
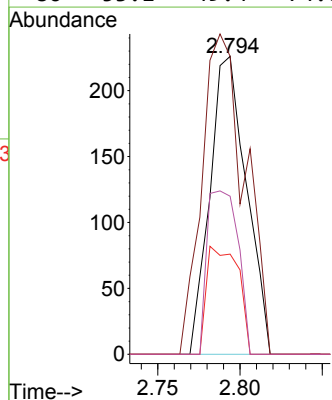
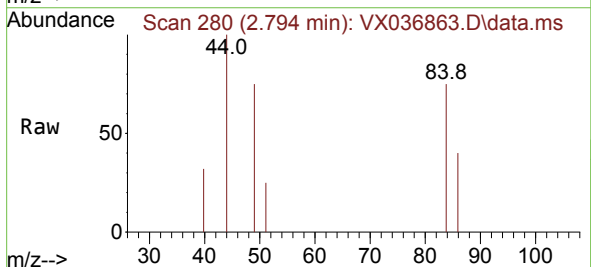
Instrument :
MSVOA_X
ClientSampleId :
MW-03W

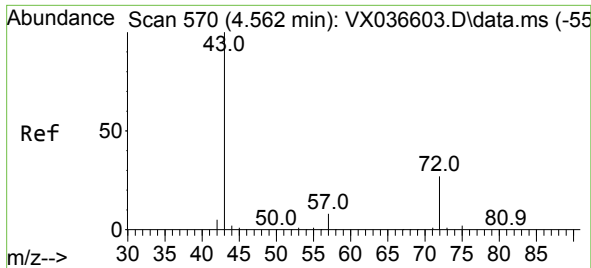
Tgt Ion: 76 Resp: 2515
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.6



#20
Methylene Chloride
Concen: 0.208 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Tgt Ion: 84 Resp: 349
Ion Ratio Lower Upper
84 100
49 100.0 103.6 155.4#
51 33.6 33.8 50.6#
86 53.1 49.4 74.0

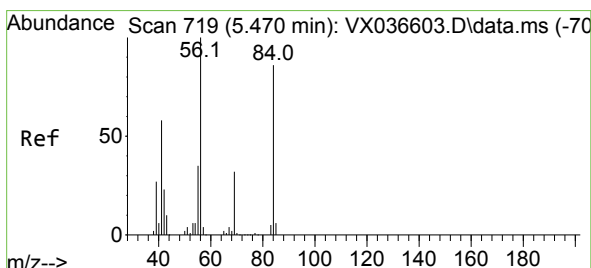
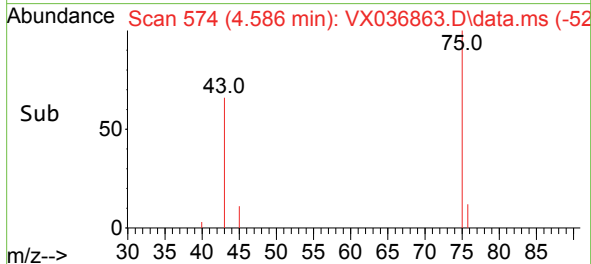
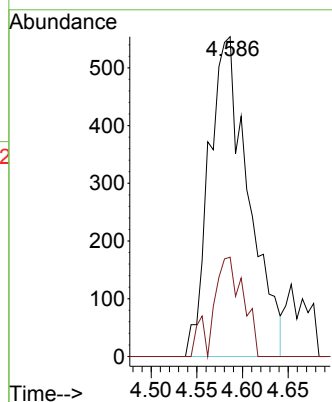
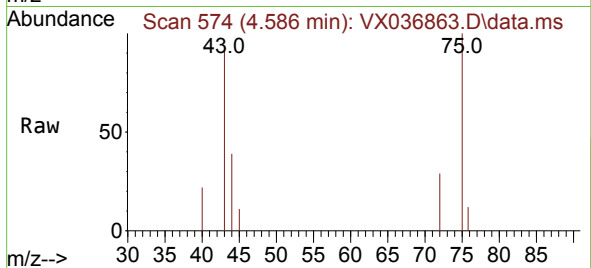




#25
2-Butanone
Concen: 1.354 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

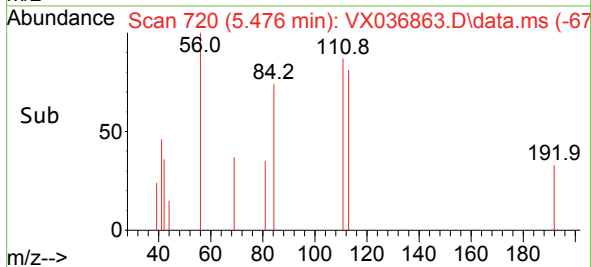
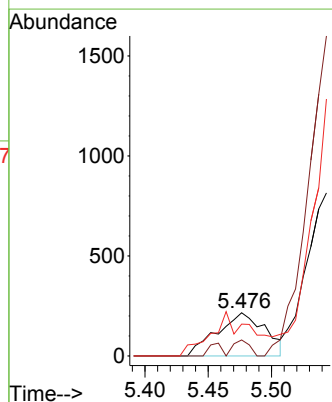
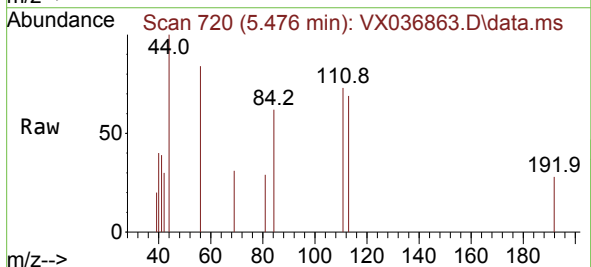
Instrument :
MSVOA_X
ClientSampleId :
MW-03W

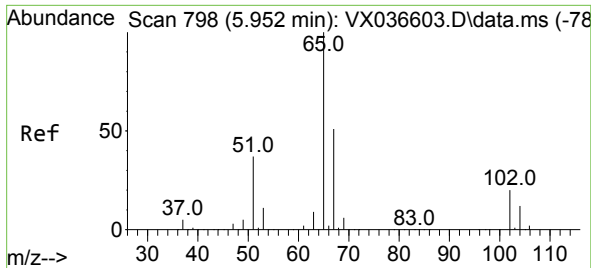
Tgt Ion: 43 Resp: 1660
Ion Ratio Lower Upper
43 100
72 31.0 19.4 29.2#



#31
Cyclohexane
Concen: 0.226 ug/l
RT: 5.476 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Tgt Ion: 56 Resp: 571
Ion Ratio Lower Upper
56 100
69 37.0 23.4 35.2#
84 73.6 65.9 98.9

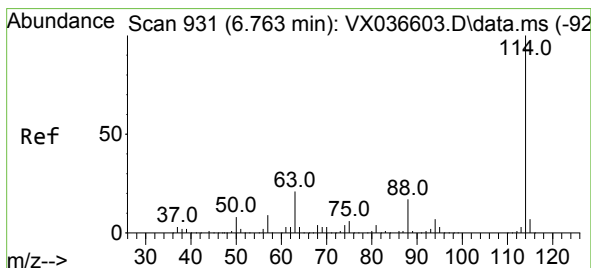
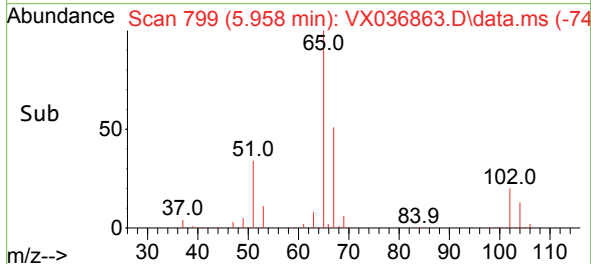
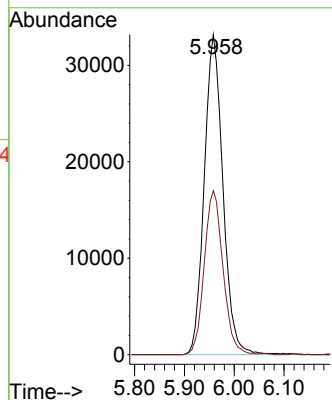
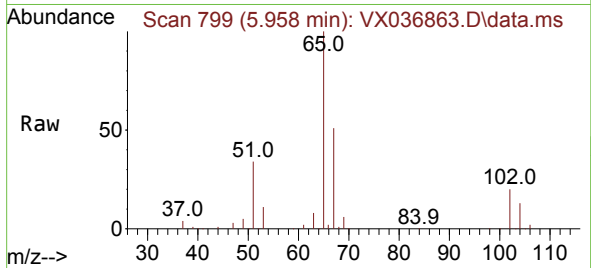




#33
1,2-Dichloroethane-d4
Concen: 47.397 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

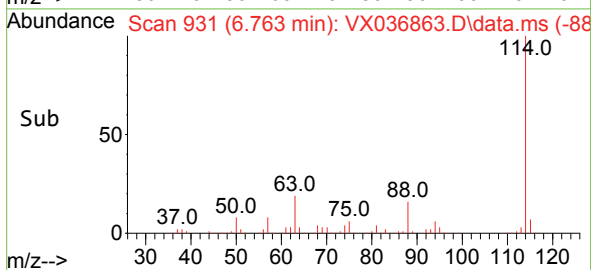
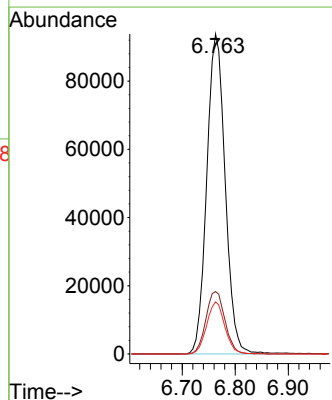
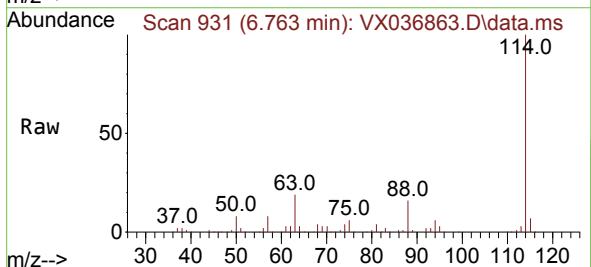
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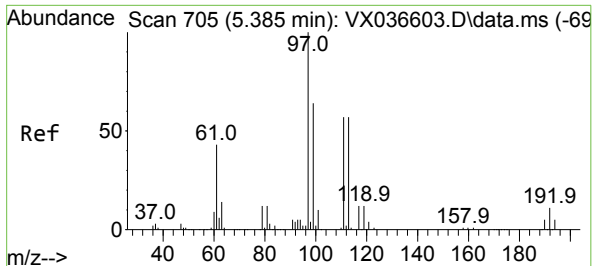
Tgt Ion: 65 Resp: 86310
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Tgt Ion: 114 Resp: 226161
Ion Ratio Lower Upper
114 100
63 19.5 0.0 45.0
88 16.3 0.0 36.6

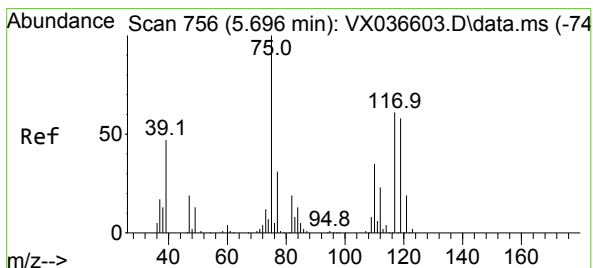
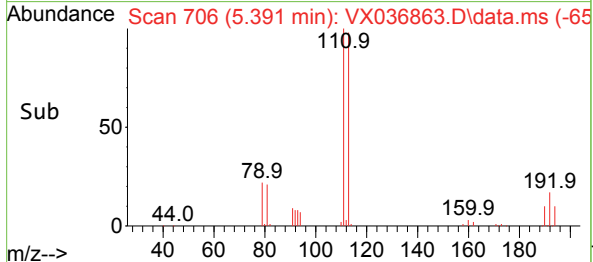
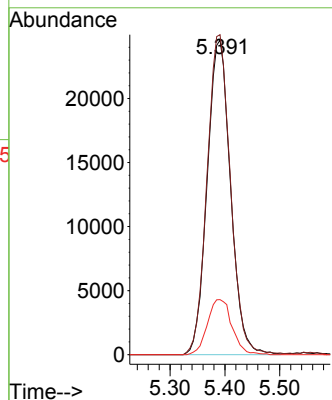
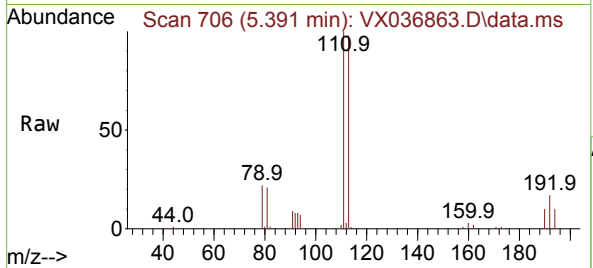




#35
Dibromofluoromethane
Concen: 46.701 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

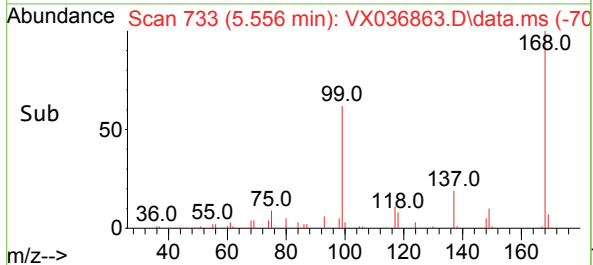
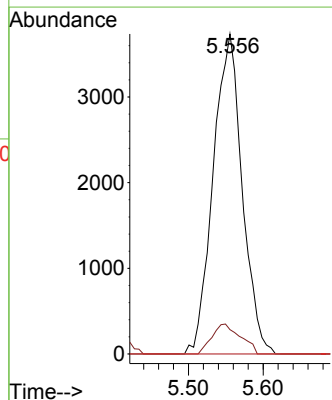
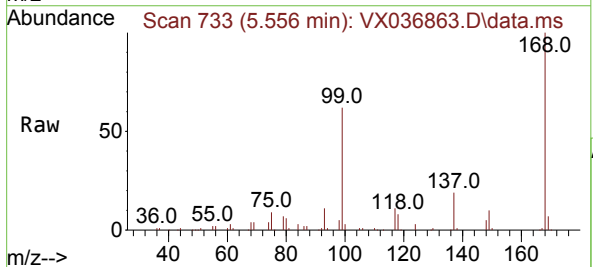
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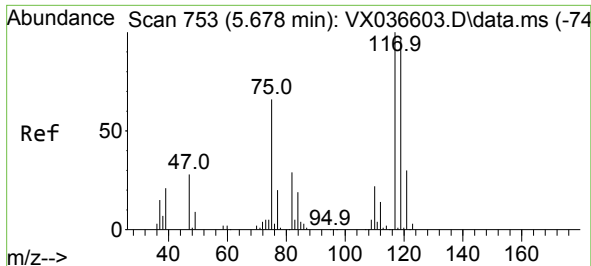
Tgt Ion:113 Resp: 72597
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 18.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.353 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

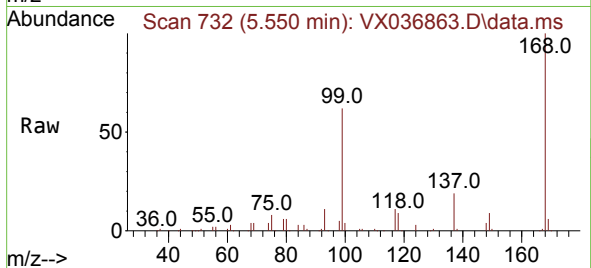
Tgt Ion: 75 Resp: 10086
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



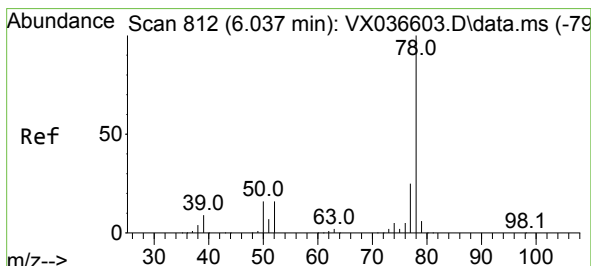
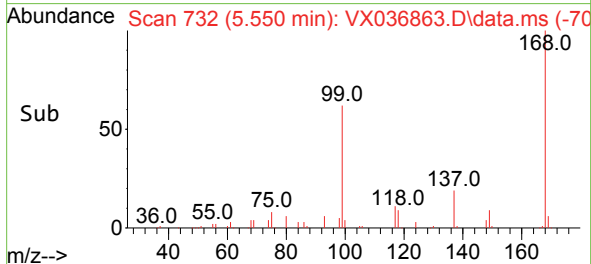
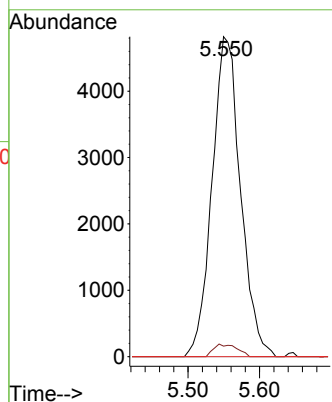


#38
Carbon Tetrachloride
Concen: 5.405 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Instrument :
MSVOA_X
ClientSampleId :
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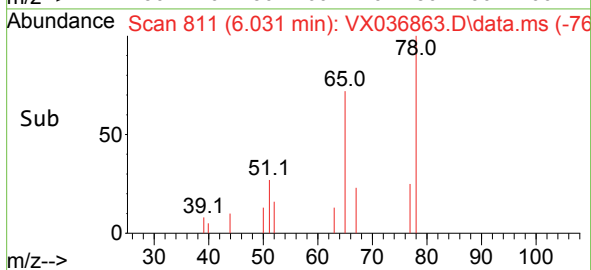
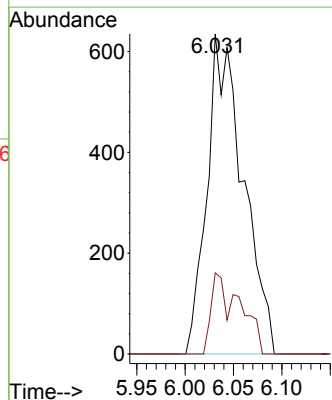
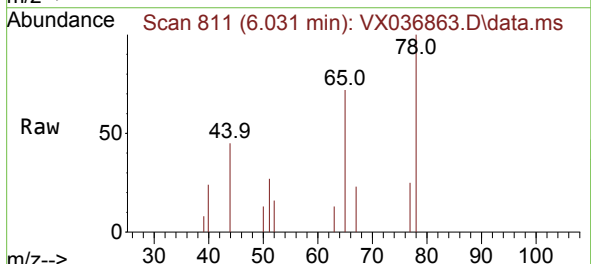


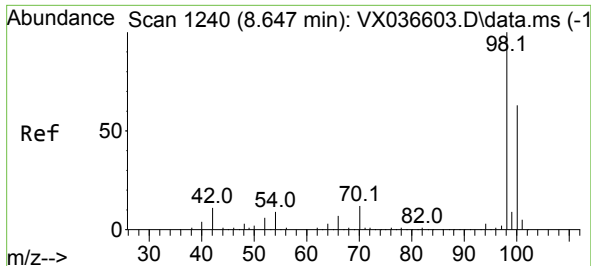
Tgt Ion:117 Resp: 13315
Ion Ratio Lower Upper
117 100
119 3.3 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.243 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Tgt Ion: 78 Resp: 1641
Ion Ratio Lower Upper
78 100
77 25.4 19.3 28.9

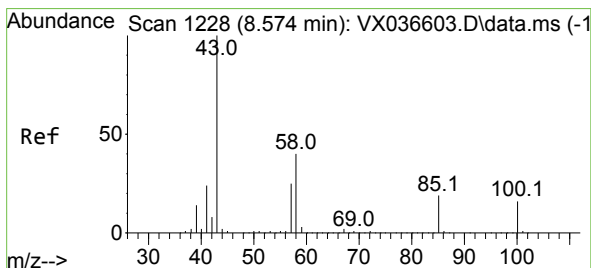
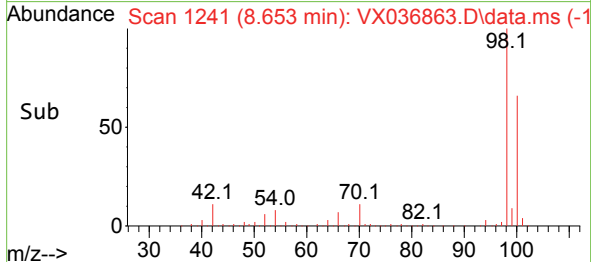
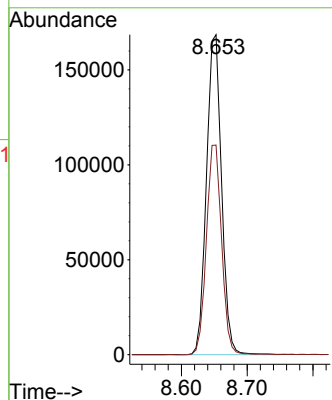
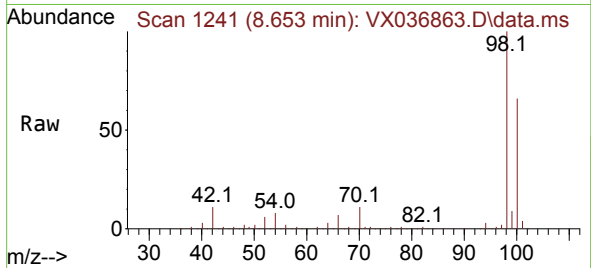




#50
Toluene-d8
Concen: 48.860 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

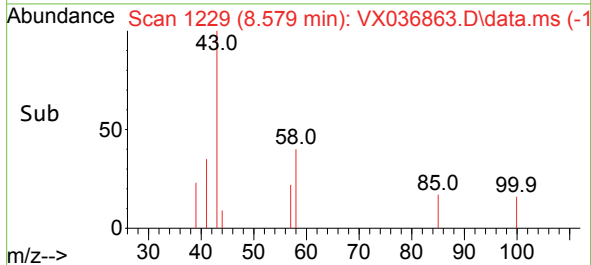
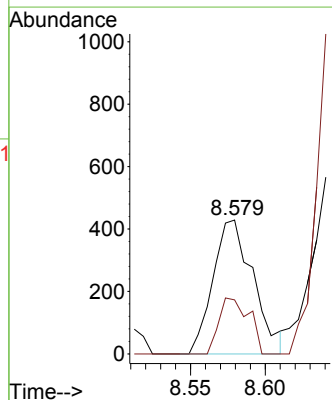
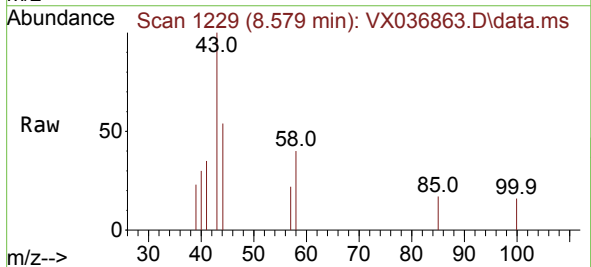
Instrument :
MSVOA_X
ClientSampleId :
MW-03W

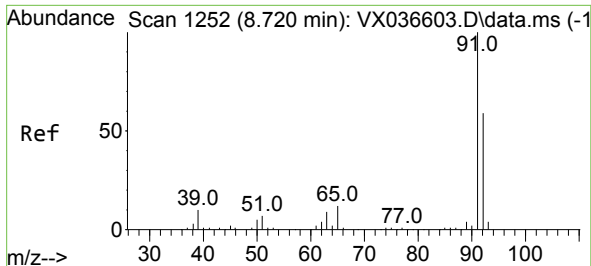
Tgt Ion: 98 Resp: 269349
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.321 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
58 31.1 30.4 45.6

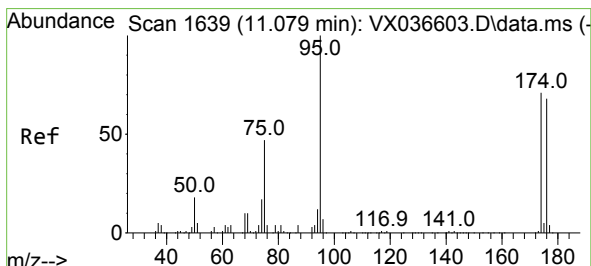
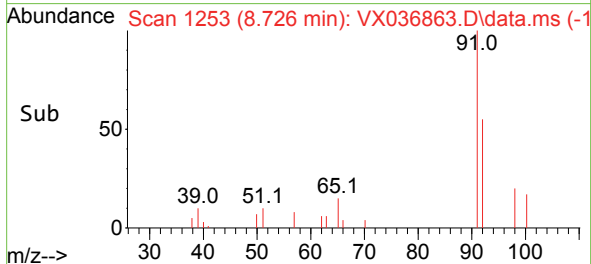
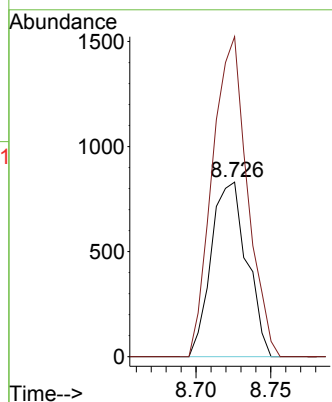
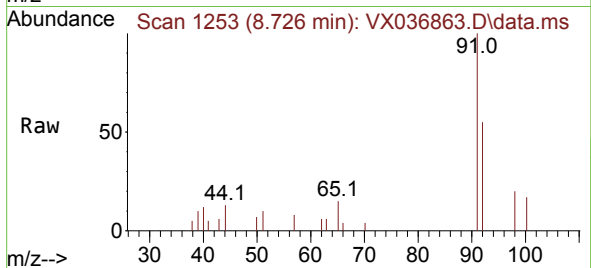




#52
Toluene
Concen: 0.327 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

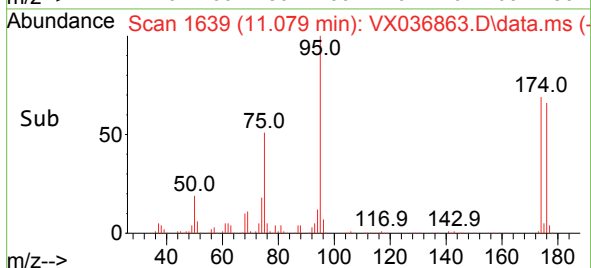
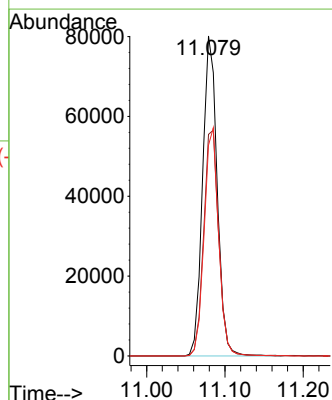
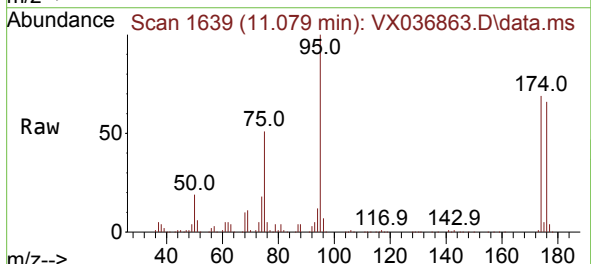
Instrument :
MSVOA_X
ClientSampleId :
MW-03W

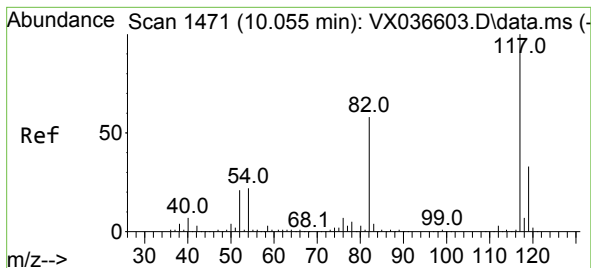
Tgt Ion: 92 Resp: 1382
Ion Ratio Lower Upper
92 100
91 179.4 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 49.793 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Tgt Ion: 95 Resp: 103561
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 70.8 0.0 131.0

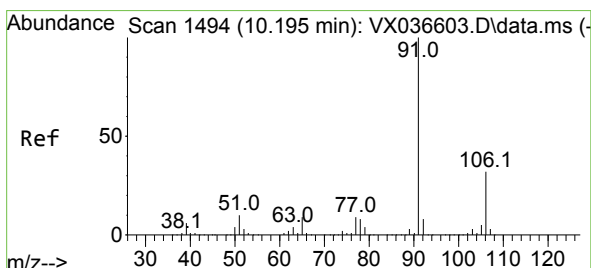
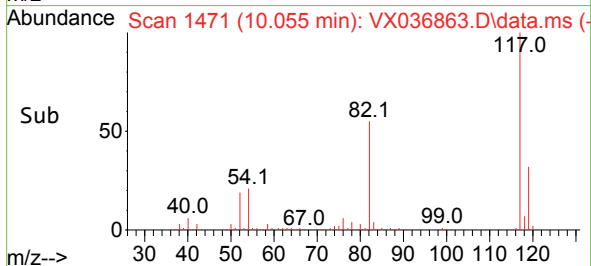
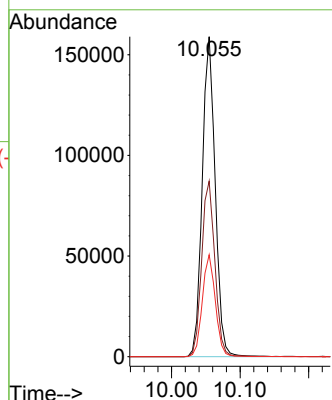
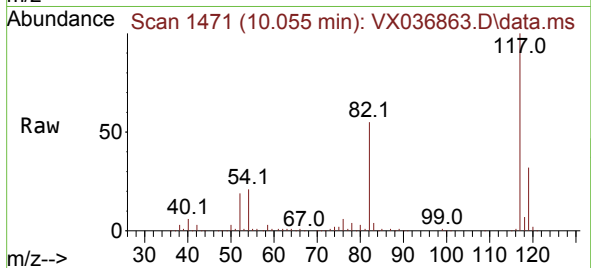




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

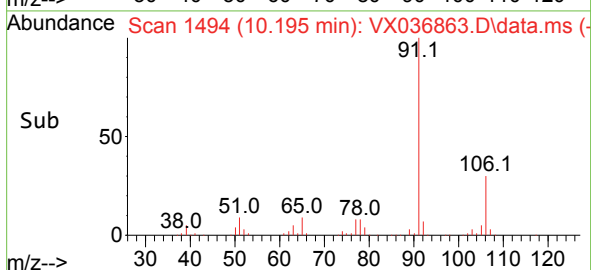
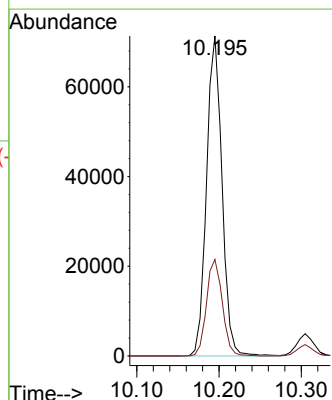
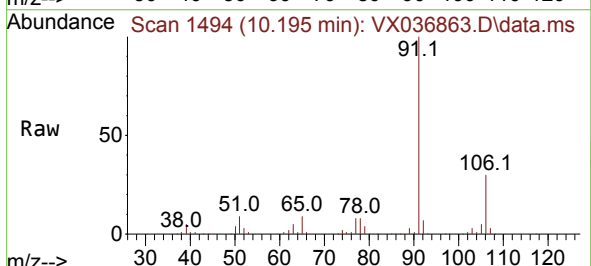
Instrument :
MSVOA_X
ClientSampleId :
MW-03W

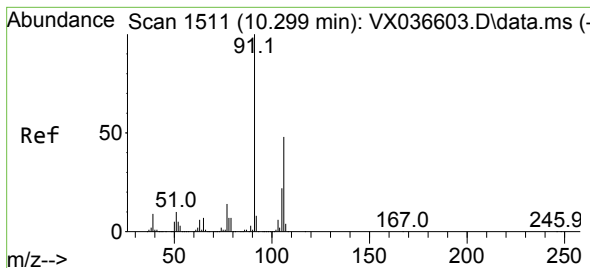
Tgt Ion:117 Resp: 209230
Ion Ratio Lower Upper
117 100
82 54.8 46.2 69.4
119 31.8 25.5 38.3



#67
Ethyl Benzene
Concen: 11.084 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Tgt Ion: 91 Resp: 93384
Ion Ratio Lower Upper
91 100
106 30.1 24.9 37.3

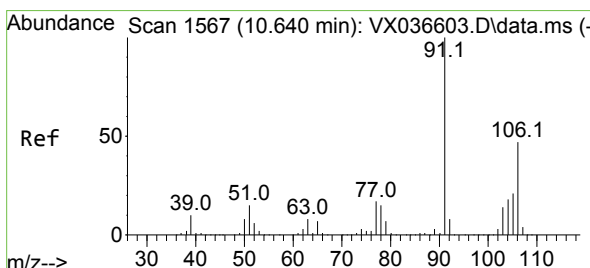
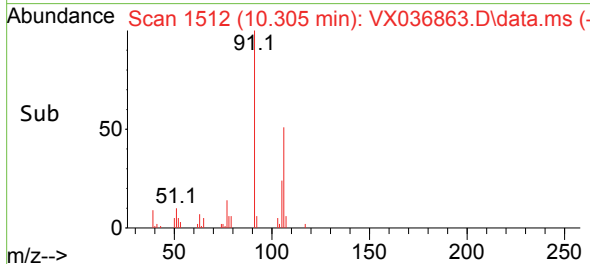
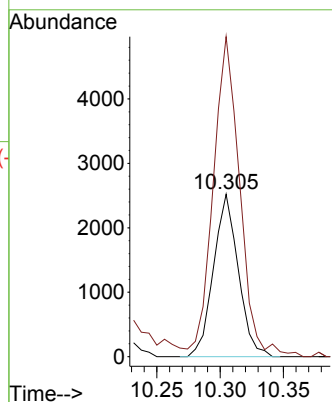
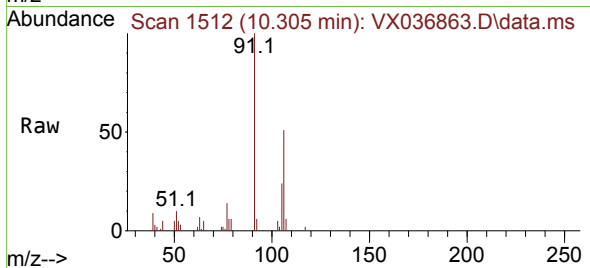




#68
m/p-Xylenes
Concen: 1.093 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

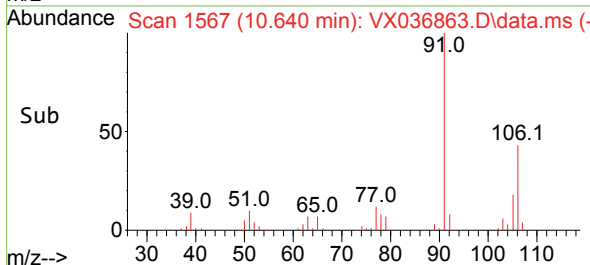
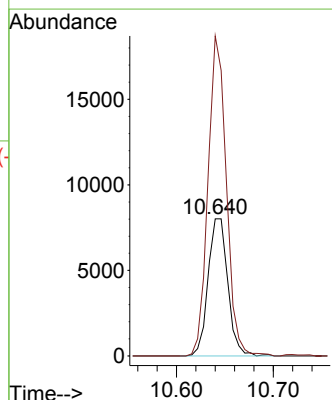
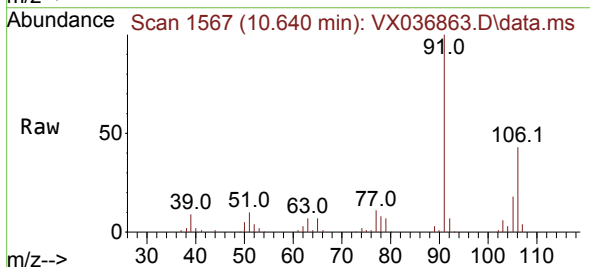
Instrument :
MSVOA_X
ClientSampleId :
MW-03W

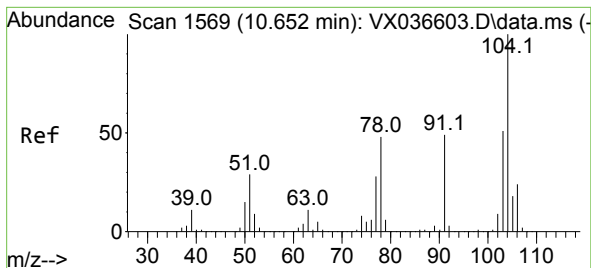
Tgt Ion:106 Resp: 3436
Ion Ratio Lower Upper
106 100
91 210.5 165.5 248.3



#69
o-Xylene
Concen: 3.625 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Tgt Ion:106 Resp: 11374
Ion Ratio Lower Upper
106 100
91 217.5 108.9 326.8





#70

Styrene

Concen: 0.209 ug/l

RT: 10.640 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX036863.D

Acq: 08 Aug 2023 14:51

Instrument :

MSVOA_X

ClientSampleId :

MW-03W

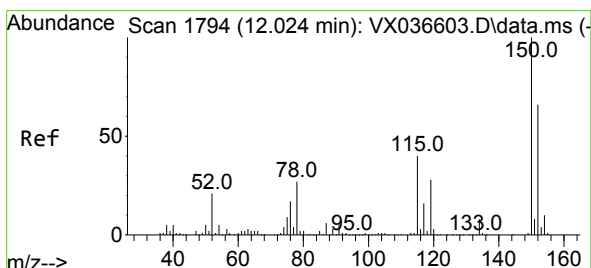
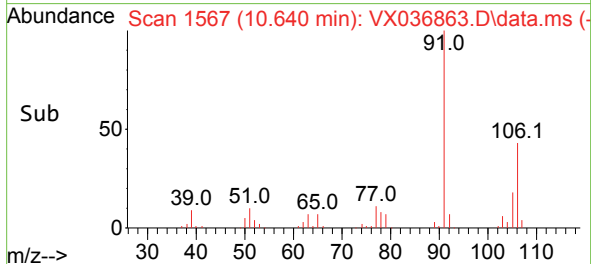
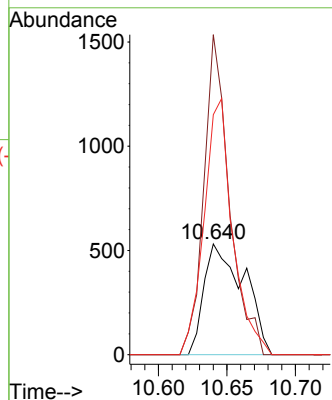
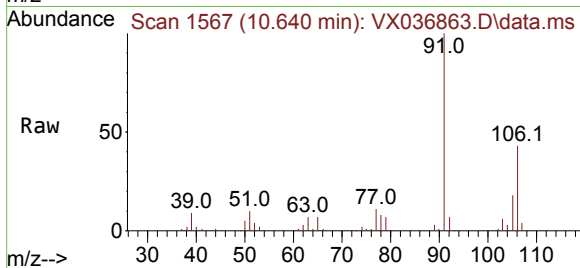
Tgt Ion:104 Resp: 1084

Ion Ratio Lower Upper

104 100

78 183.6 43.6 65.4#

103 164.4 43.6 65.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX036863.D

Acq: 08 Aug 2023 14:51

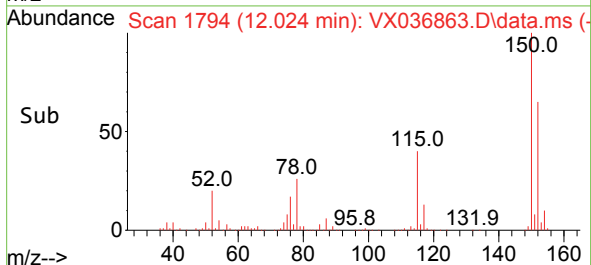
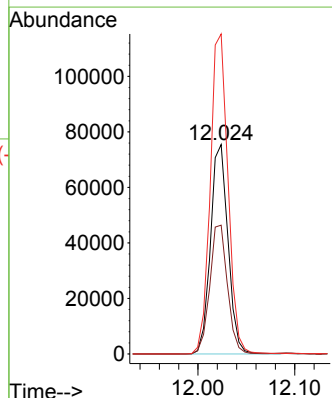
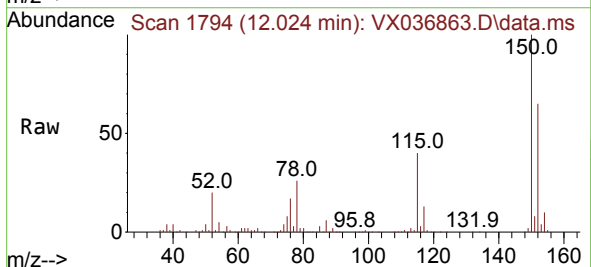
Tgt Ion:152 Resp: 94995

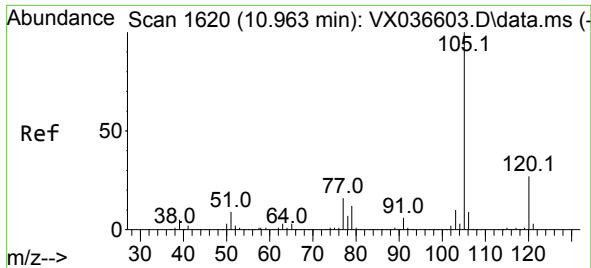
Ion Ratio Lower Upper

152 100

115 62.4 43.3 129.9

150 155.1 0.0 345.0

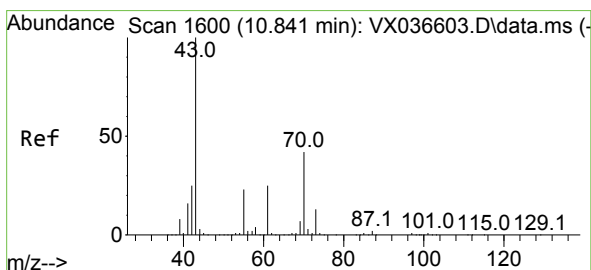
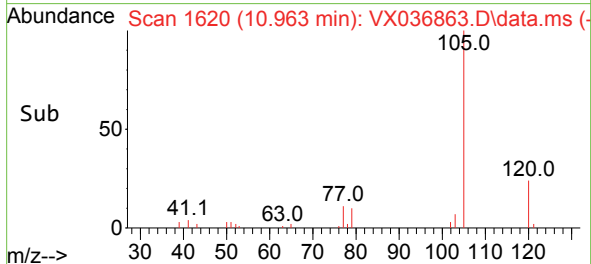
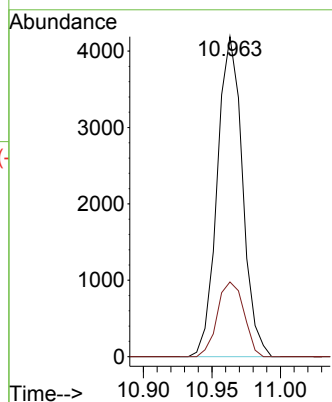
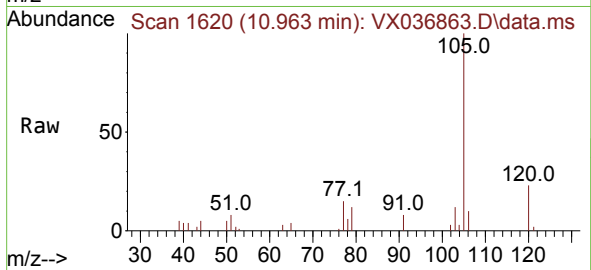




#73
Isopropylbenzene
Concen: 0.682 ug/l
RT: 10.963 min Scan# 1609
Delta R.T. -0.000 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

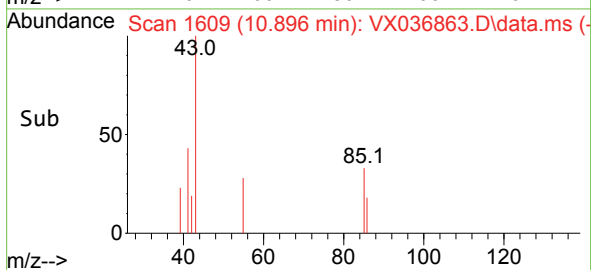
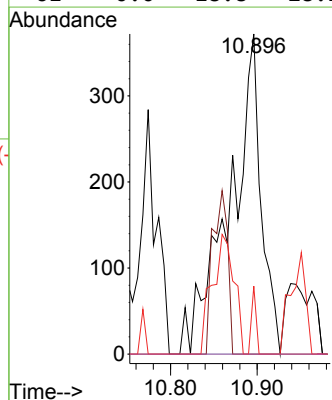
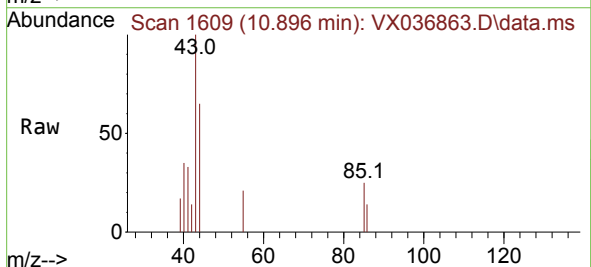
Instrument :
MSVOA_X
ClientSampleId :
MW-03W

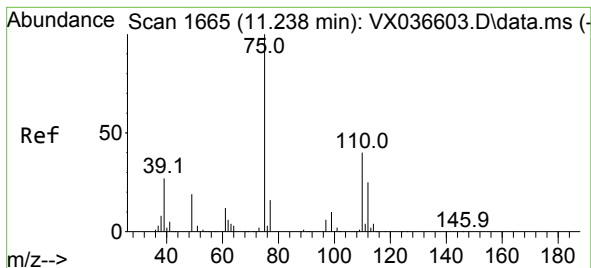
Tgt Ion:105 Resp: 5358
Ion Ratio Lower Upper
105 100
120 24.6 12.9 38.6



#74
N-ethyl acetate
Concen: 0.257 ug/l
RT: 10.896 min Scan# 1609
Delta R.T. 0.055 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Tgt Ion: 43 Resp: 942
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 3.1 19.3 28.9#
61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 23.839 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036863.D

Acq: 08 Aug 2023 14:51

Instrument :

MSVOA_X

ClientSampleId :

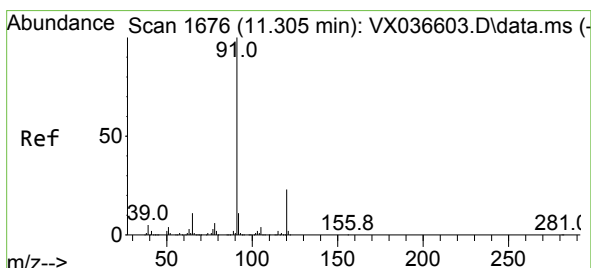
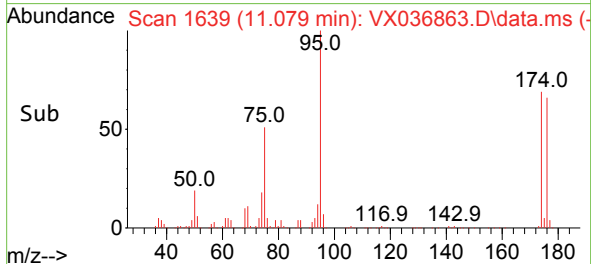
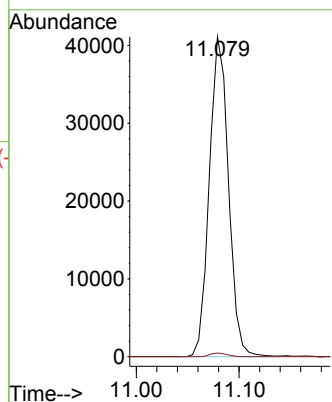
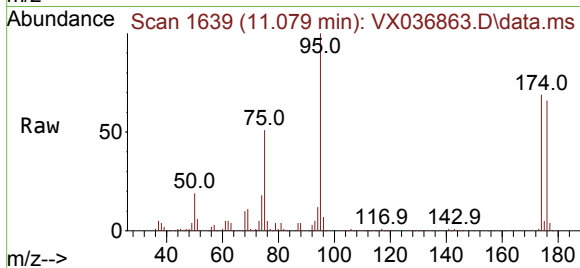
MW-03W

Tgt Ion: 75 Resp: 53266

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#78

n-propylbenzene

Concen: 0.752 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX036863.D

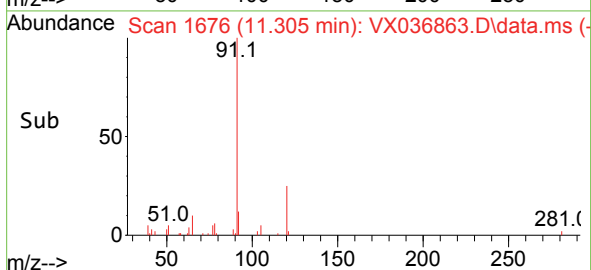
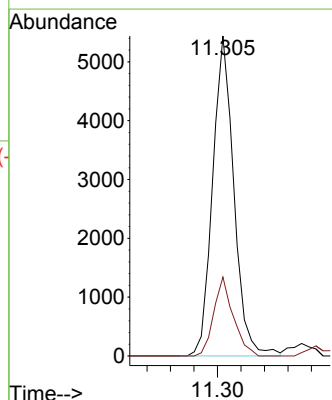
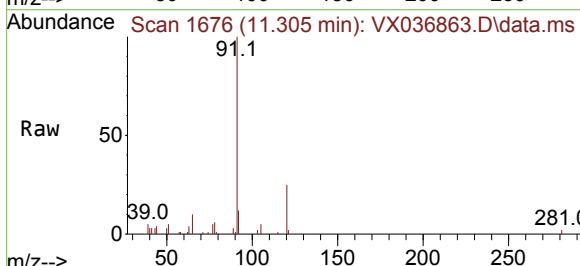
Acq: 08 Aug 2023 14:51

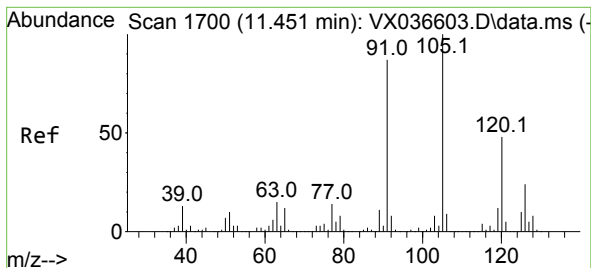
Tgt Ion: 91 Resp: 6838

Ion Ratio Lower Upper

91 100

120 22.6 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 0.549 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX036863.D

Acq: 08 Aug 2023 14:51

Instrument :

MSVOA_X

ClientSampleId :

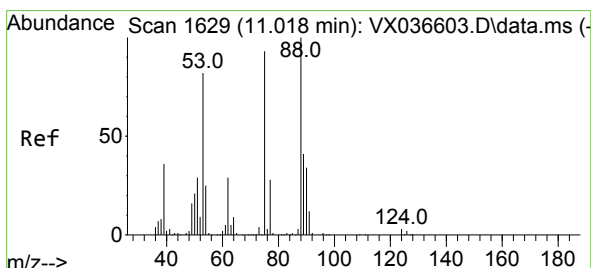
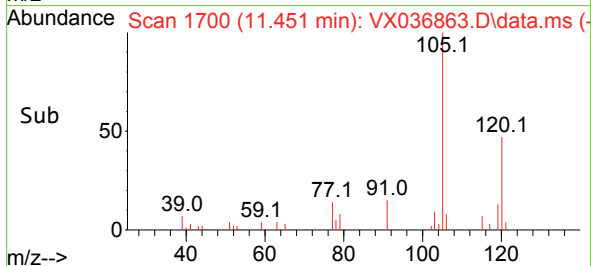
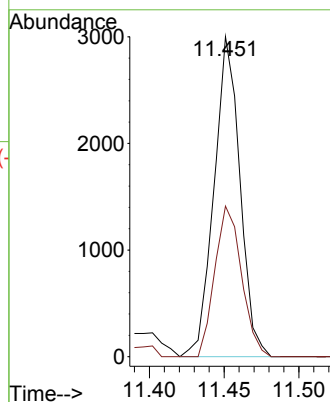
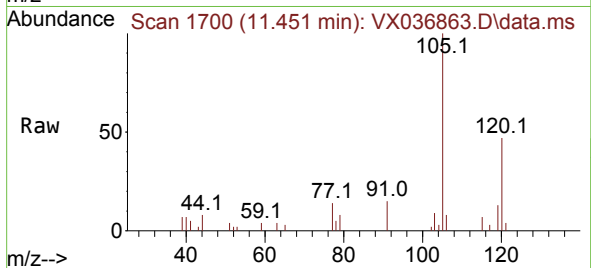
MW-03W

Tgt Ion:105 Resp: 3612

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 54.033 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036863.D

Acq: 08 Aug 2023 14:51

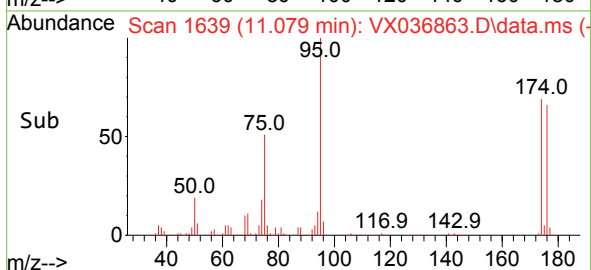
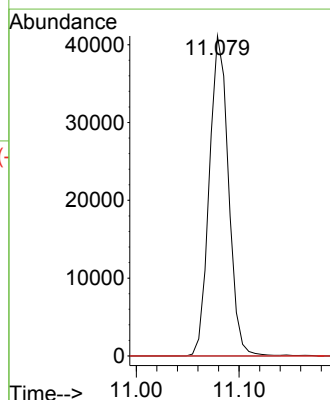
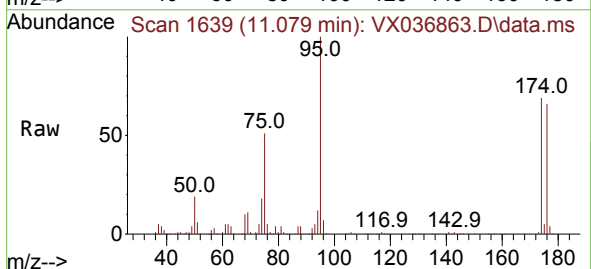
Tgt Ion: 75 Resp: 53266

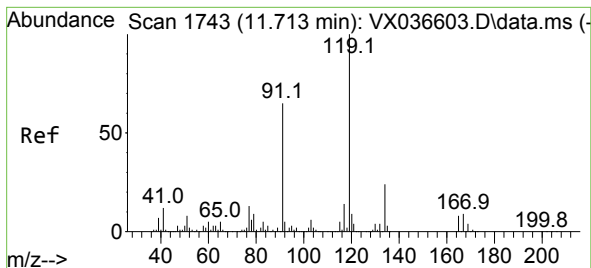
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#83

tert-Butylbenzene

Concen: 0.423 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.036 min

Lab File: VX036863.D

Acq: 08 Aug 2023 14:51

Instrument :

MSVOA_X

ClientSampleId :

MW-03W

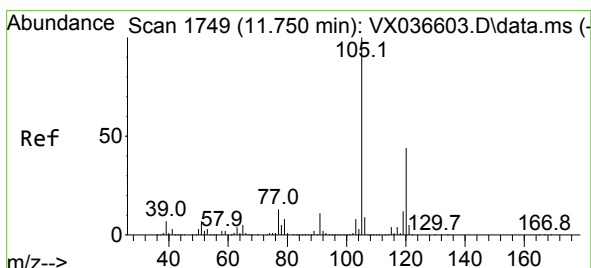
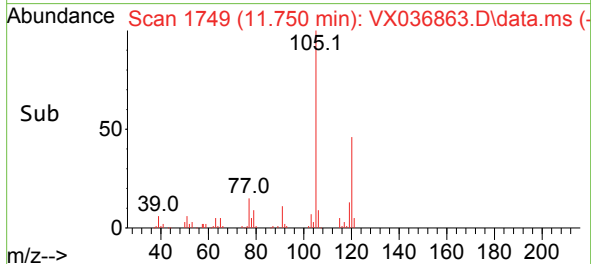
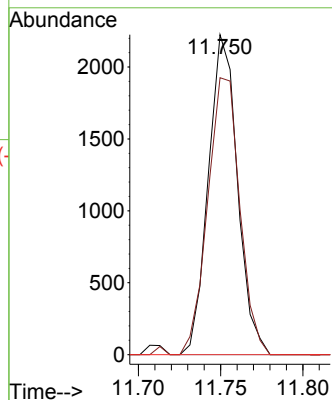
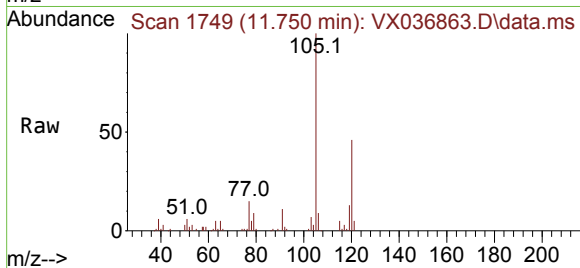
Tgt Ion:119 Resp: 2734

Ion Ratio Lower Upper

119 100

91 95.5 31.2 93.6#

134 0.0 11.7 35.0#



#84

1,2,4-Trimethylbenzene

Concen: 3.393 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX036863.D

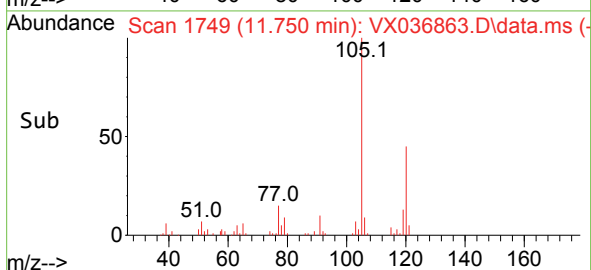
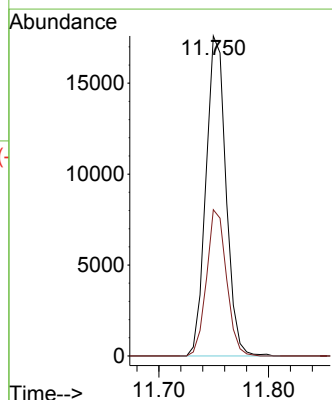
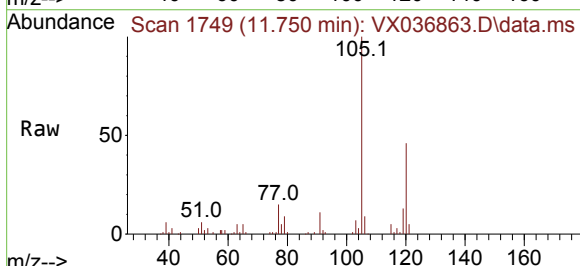
Acq: 08 Aug 2023 14:51

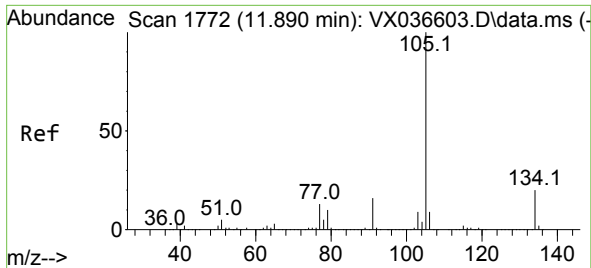
Tgt Ion:105 Resp: 22315

Ion Ratio Lower Upper

105 100

120 45.5 21.2 63.6

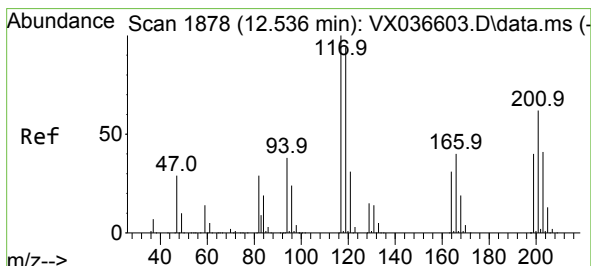
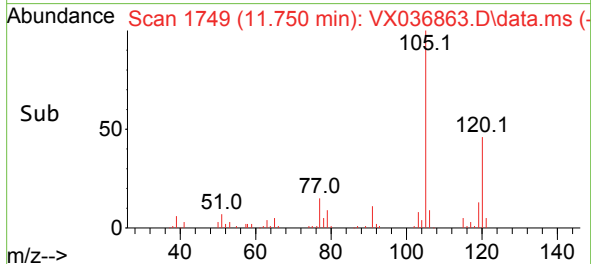
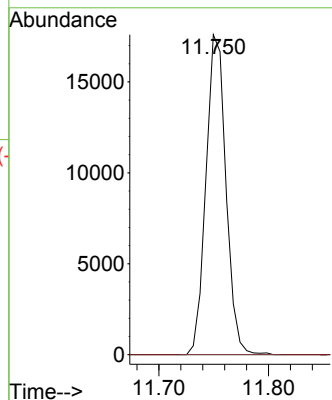
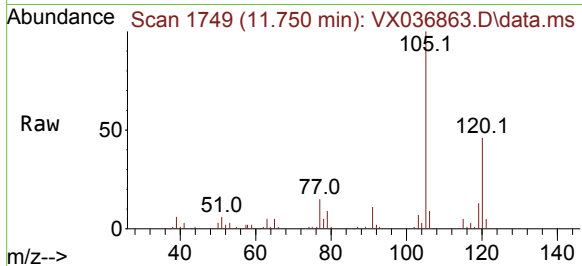




#85
sec-Butylbenzene
Concen: 2.769 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.140 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

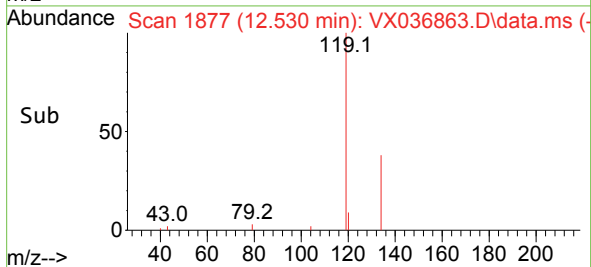
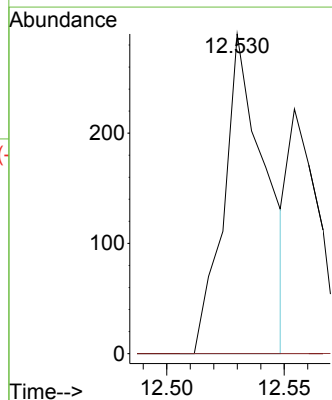
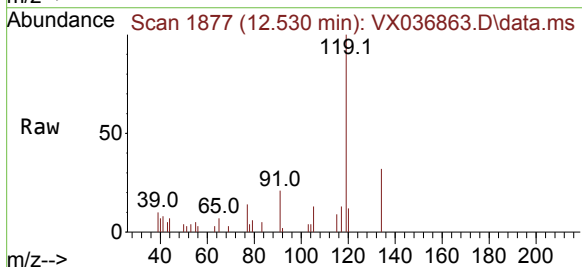
Instrument :
MSVOA_X
ClientSampleId :
MW-03W

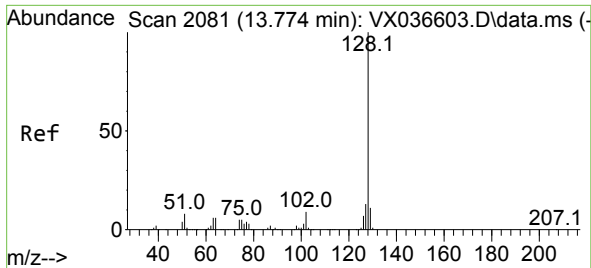
Tgt Ion:105 Resp: 22315
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.4#



#90
Hexachloroethane
Concen: 0.265 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Tgt Ion:117 Resp: 356
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 0.924 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX036863.D
Acq: 08 Aug 2023 14:51

Instrument :
MSVOA_X
ClientSampleId :
MW-03W

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	9.9	8.8	13.2

