

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033123\
 Data File : VX034872.D
 Acq On : 31 Mar 2023 12:53
 Operator : JC/MD
 Sample : 02048-06 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Apr 03 01:17:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

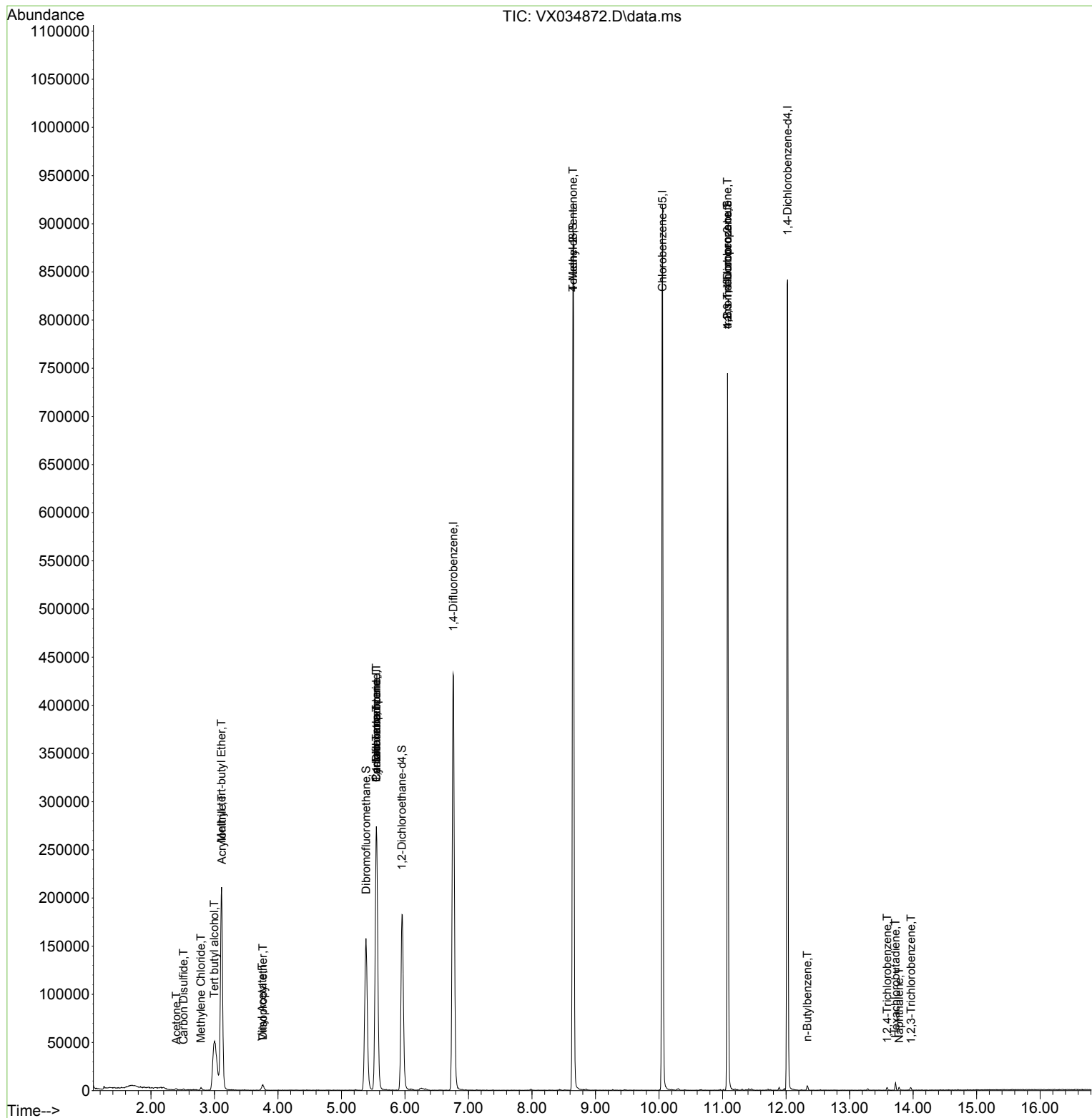
Internal Standards						
1) Pentafluorobenzene	5.550	168	253503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	430878	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	384329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	171458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	179189	46.219	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.440%		
35) Dibromofluoromethane	5.385	113	133323	46.781	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.560%		
50) Toluene-d8	8.647	98	518959	49.334	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.660%		
62) 4-Bromofluorobenzene	11.079	95	188173	46.227	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.460%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.995	59	126986	186.682	ug/l	98
15) Acrylonitrile	3.117	53	3029	1.978	ug/l #	35
16) Acetone	2.398	43	1578	1.002	ug/l #	84
17) Carbon Disulfide	2.514	76	1379	0.212	ug/l #	75
19) Methyl tert-butyl Ether	3.111	73	223482	23.194	ug/l	98
20) Methylene Chloride	2.788	84	1296	0.417	ug/l #	81
22) Diisopropyl ether	3.763	45	5489	0.534	ug/l #	73
23) Vinyl Acetate	3.751	43	3430	0.467	ug/l #	72
31) Cyclohexane	5.550	56	6565	1.391	ug/l #	21
36) 1,1-Dichloropropene	5.550	75	21427	5.075	ug/l #	50
38) Carbon Tetrachloride	5.550	117	26146	6.568	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	2613	0.598	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	100838	29.188	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	100838	87.475	ug/l #	8
89) n-Butylbenzene	12.335	91	2233	0.256	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	1011	0.315	ug/l	87
94) Hexachlorobutadiene	13.725	225	1108	0.785	ug/l	93
95) Naphthalene	13.780	128	2364	0.207	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.969	180	835	0.258	ug/l	95

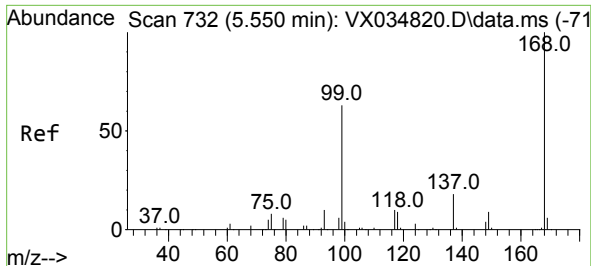
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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Quant Time: Apr 03 01:17:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 01 01:50:18 2023
Response via : Initial Calibration

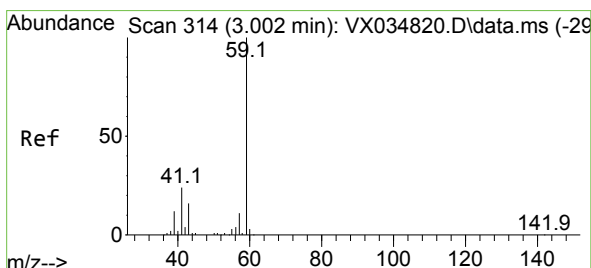
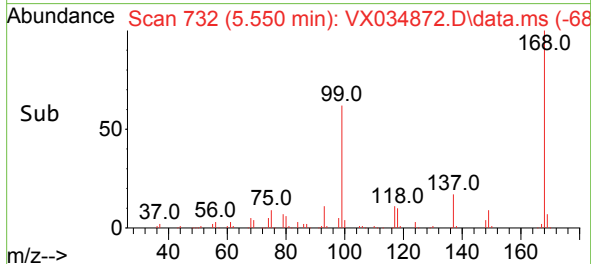
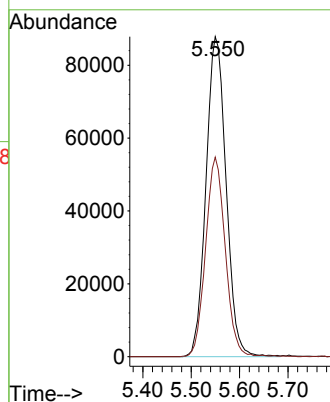
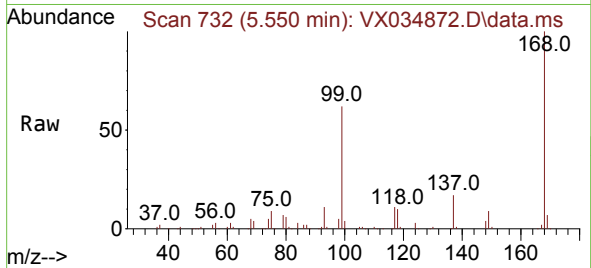




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

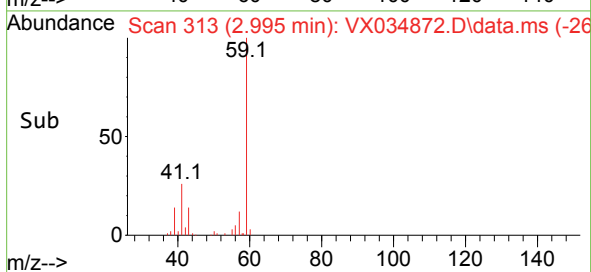
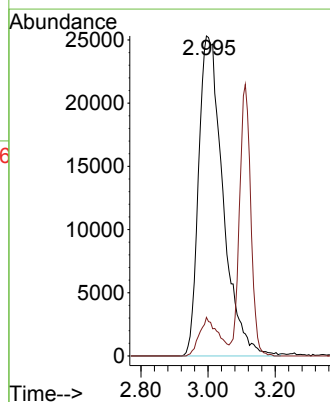
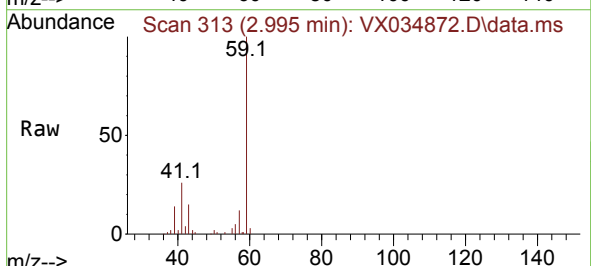
Instrument :
MSVOA_X
ClientSampleId :
MW-7

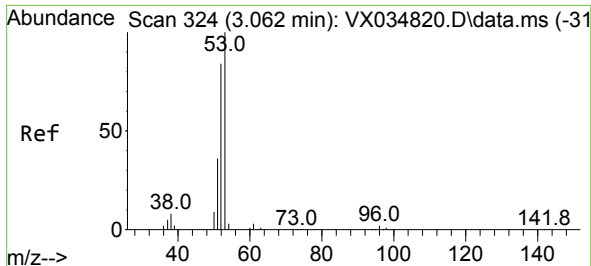
Tgt Ion:168 Resp: 253503
Ion Ratio Lower Upper
168 100
99 62.4 45.7 68.5



#11
Tert butyl alcohol
Concen: 186.682 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.006 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

Tgt Ion: 59 Resp: 126986
Ion Ratio Lower Upper
59 100
57 9.5 8.1 12.1





#15

Acrylonitrile

Concen: 1.978 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.055 min

Lab File: VX034872.D

Acq: 31 Mar 2023 12:53

Instrument :

MSVOA_X

ClientSampleId :

MW-7

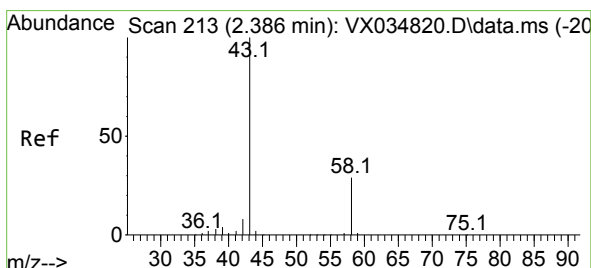
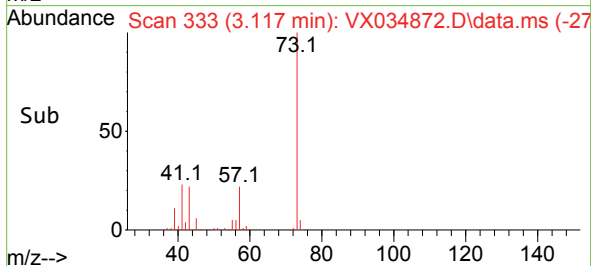
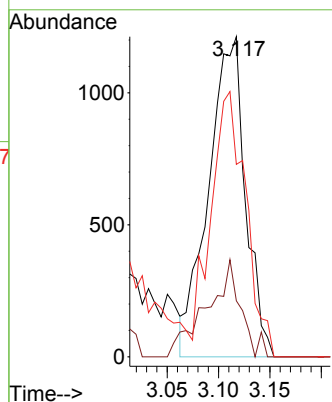
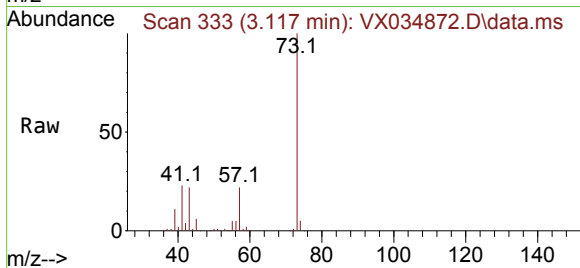
Tgt Ion: 53 Resp: 3029

Ion Ratio Lower Upper

53 100

52 27.8 66.2 99.2#

51 78.9 28.3 42.5#



#16

Acetone

Concen: 1.002 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.012 min

Lab File: VX034872.D

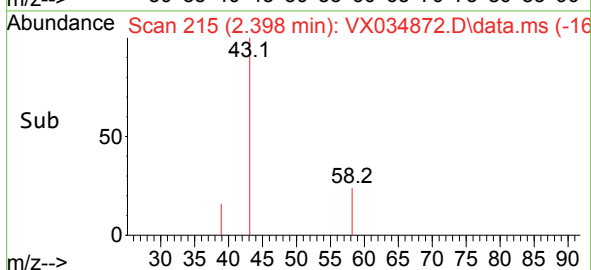
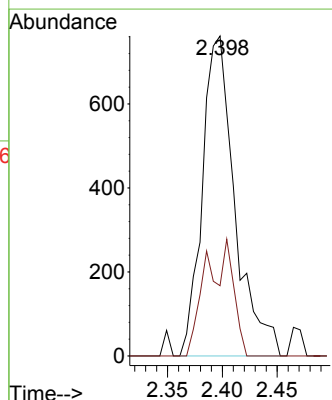
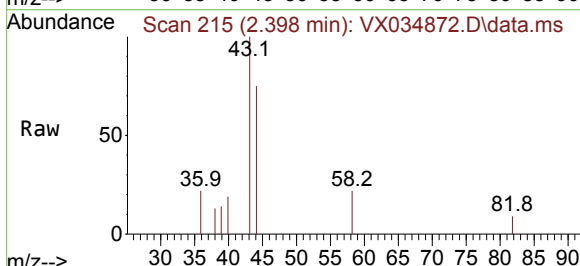
Acq: 31 Mar 2023 12:53

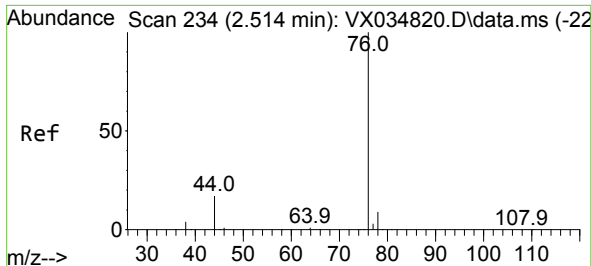
Tgt Ion: 43 Resp: 1578

Ion Ratio Lower Upper

43 100

58 21.9 24.7 37.1#





#17

Carbon Disulfide

Concen: 0.212 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX034872.D

Acq: 31 Mar 2023 12:53

Instrument :

MSVOA_X

ClientSampleId :

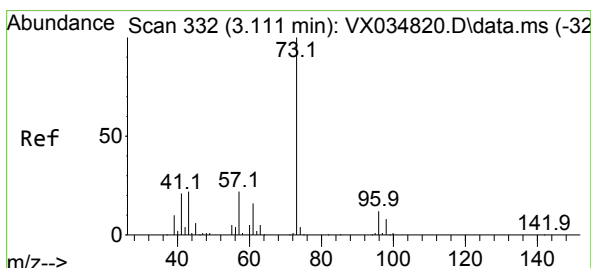
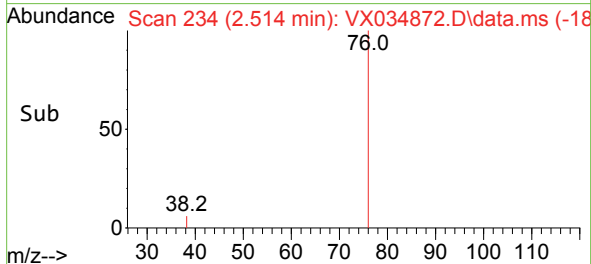
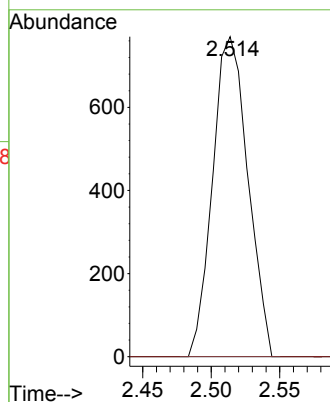
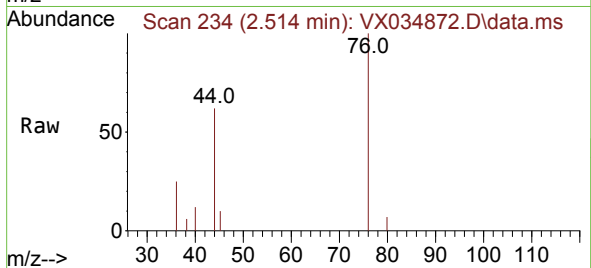
MW-7

Tgt Ion: 76 Resp: 1379

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#19

Methyl tert-butyl Ether

Concen: 23.194 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX034872.D

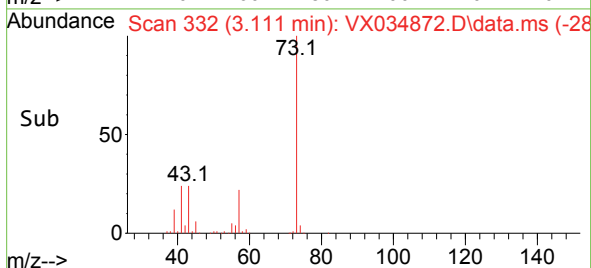
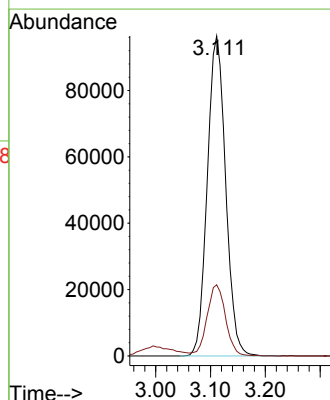
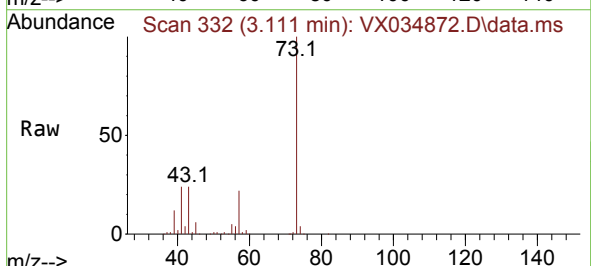
Acq: 31 Mar 2023 12:53

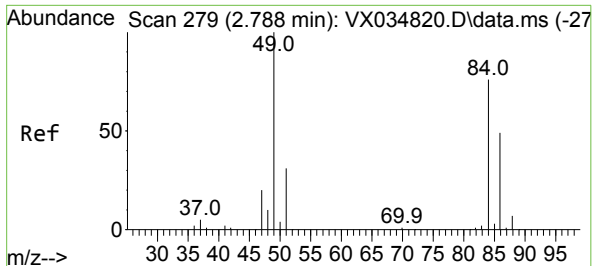
Tgt Ion: 73 Resp: 223482

Ion Ratio Lower Upper

73 100

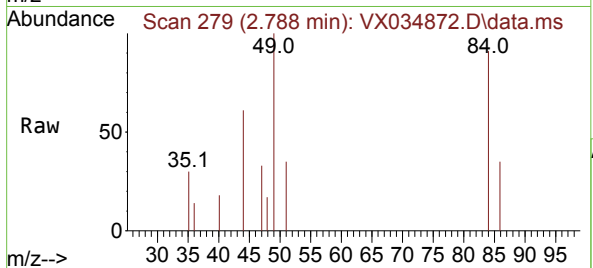
57 22.3 18.5 27.7



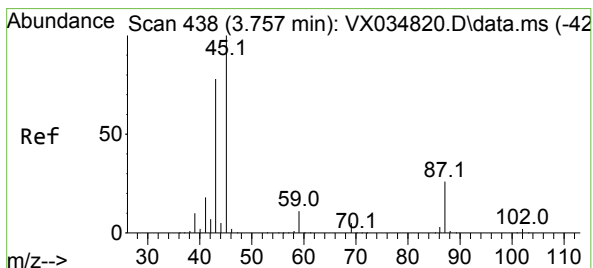
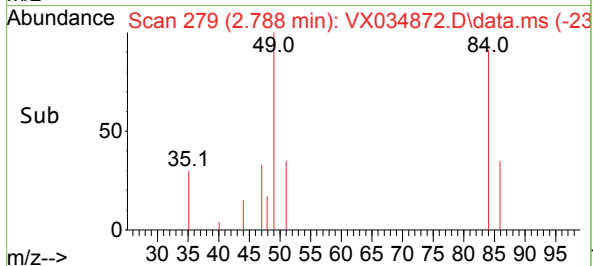
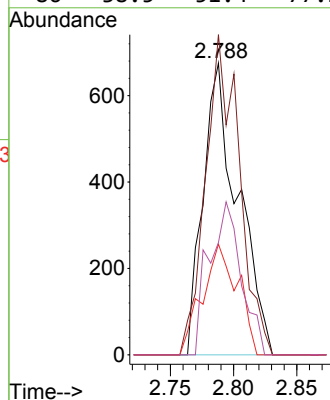


#20
Methylene Chloride
Concen: 0.417 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

Instrument :
MSVOA_X
ClientSampleId :
MW-7

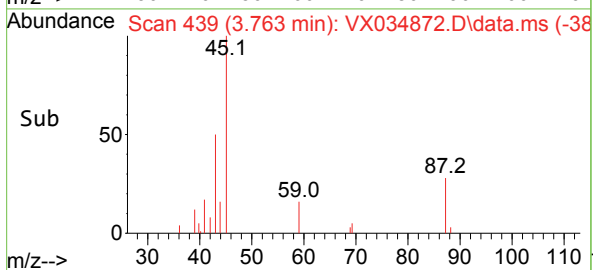
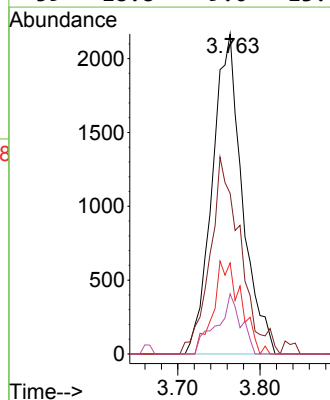
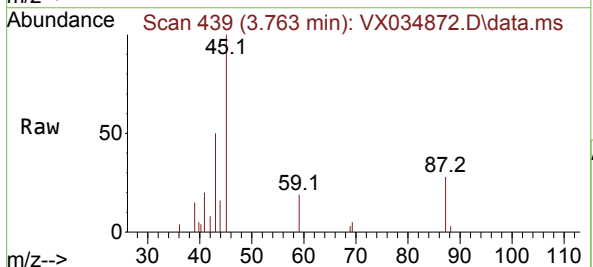


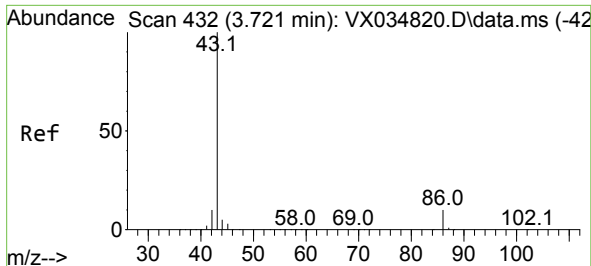
Tgt Ion:	84	Resp:	1296
Ion	Ratio	Lower	Upper
84	100		
49	109.8	103.8	155.8
51	37.9	31.8	47.8
86	38.5	51.4	77.2#



#22
Diisopropyl ether
Concen: 0.534 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

Tgt Ion:	45	Resp:	5489
Ion	Ratio	Lower	Upper
45	100		
43	50.2	65.4	98.2#
87	28.5	20.6	31.0
59	18.8	9.0	13.6#

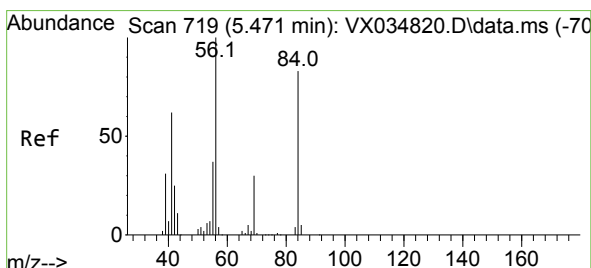
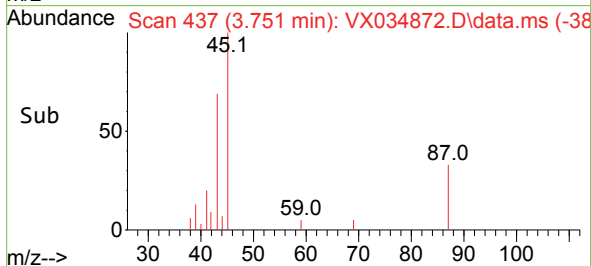
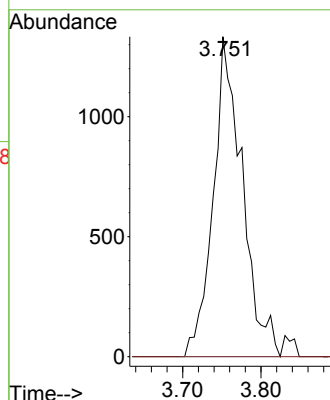
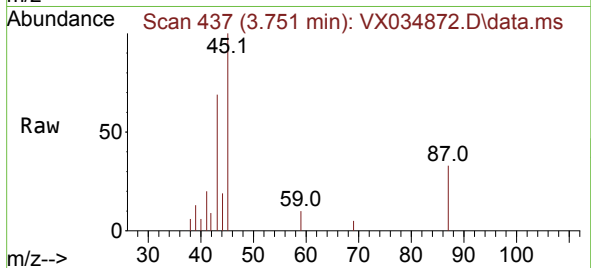




#23
 Vinyl Acetate
 Concen: 0.467 ug/l
 RT: 3.751 min Scan# 41
 Delta R.T. 0.030 min
 Lab File: VX034872.D
 Acq: 31 Mar 2023 12:53

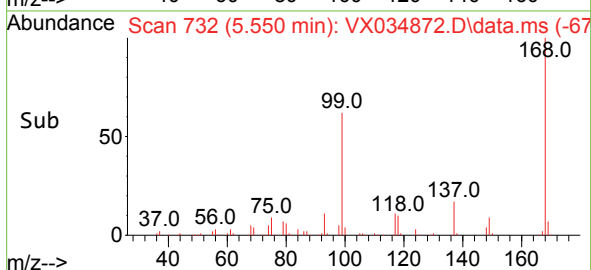
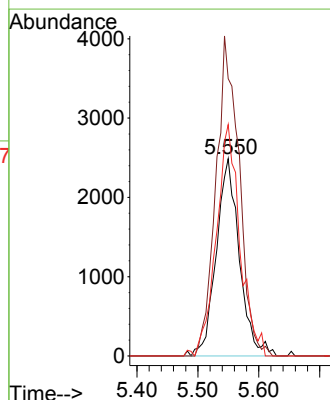
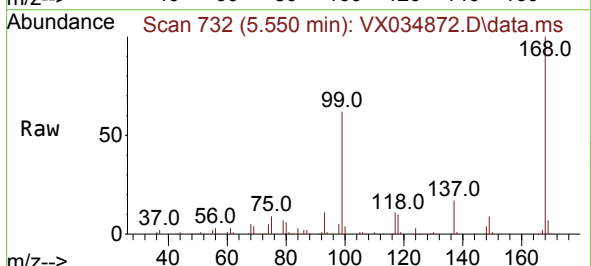
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

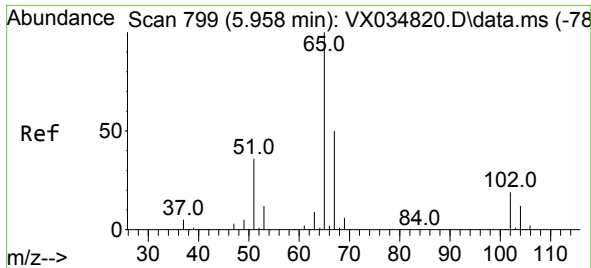
Tgt Ion: 43 Resp: 3430
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.5 12.7#



#31
 Cyclohexane
 Concen: 1.391 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.079 min
 Lab File: VX034872.D
 Acq: 31 Mar 2023 12:53

Tgt Ion: 56 Resp: 6565
 Ion Ratio Lower Upper
 56 100
 69 140.5 23.7 35.5#
 84 117.3 68.5 102.7#

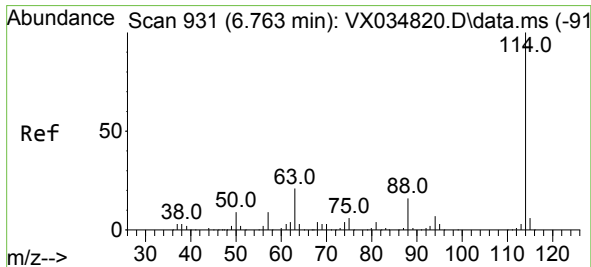
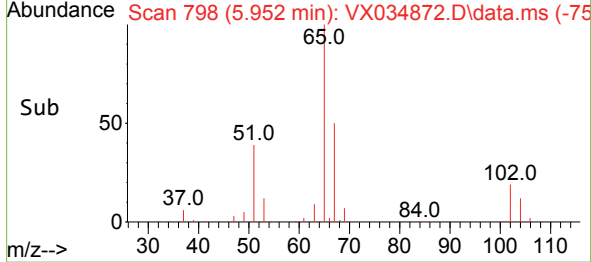
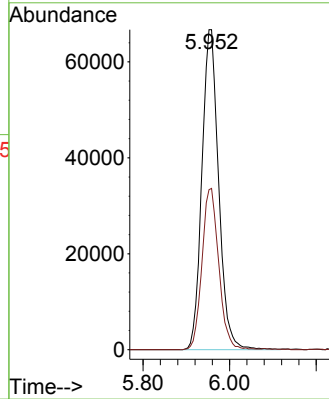
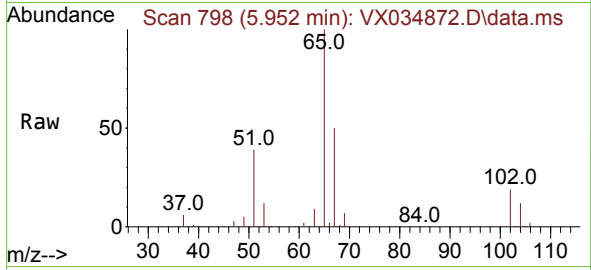




#33
1,2-Dichloroethane-d4
Concen: 46.219 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

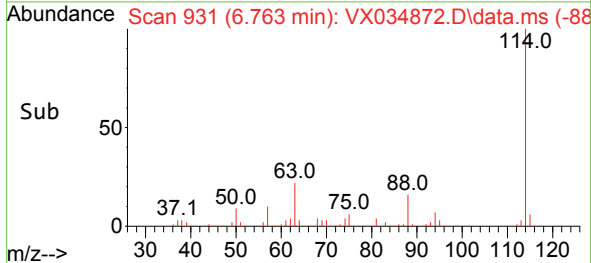
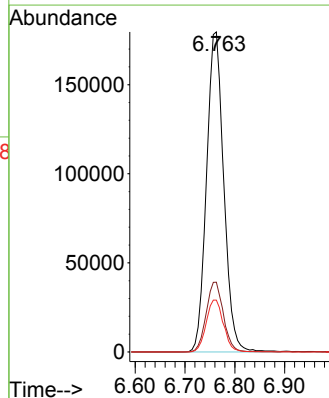
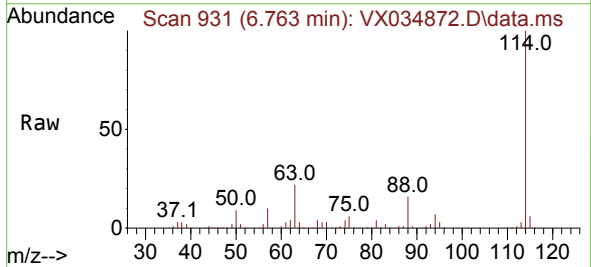
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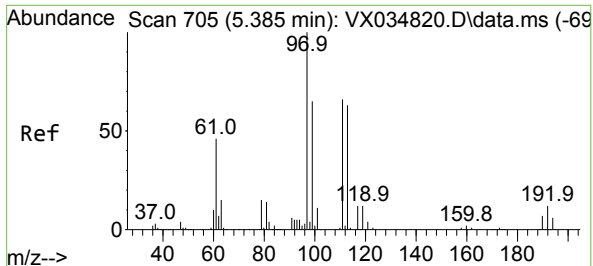
Tgt Ion: 65 Resp: 179189
Ion Ratio Lower Upper
65 100
67 50.4 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

Tgt Ion: 114 Resp: 430878
Ion Ratio Lower Upper
114 100
63 21.8 0.0 42.2
88 16.2 0.0 33.2

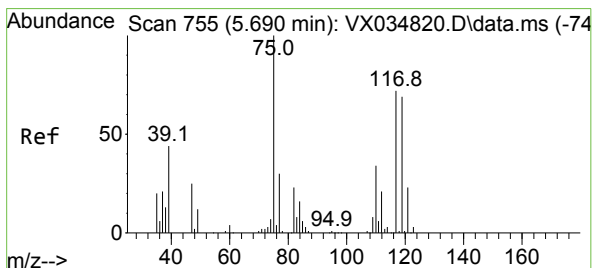
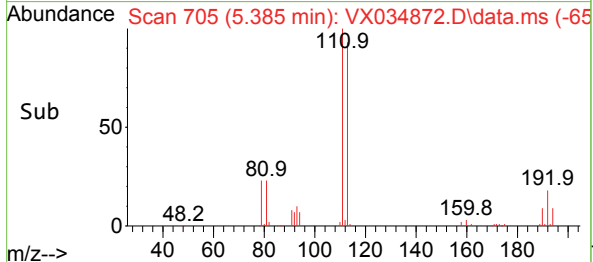
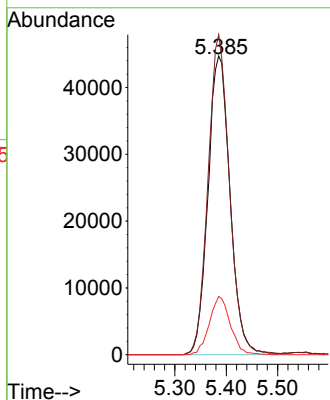
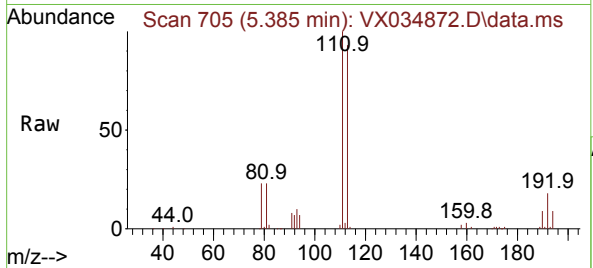




#35
Dibromofluoromethane
Concen: 46.781 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

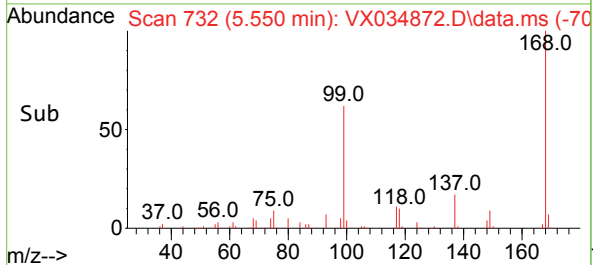
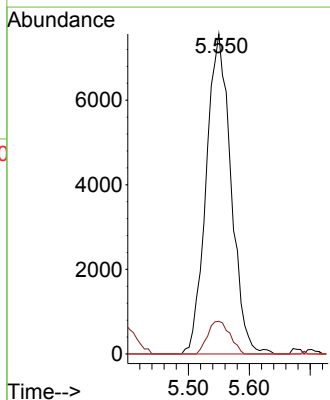
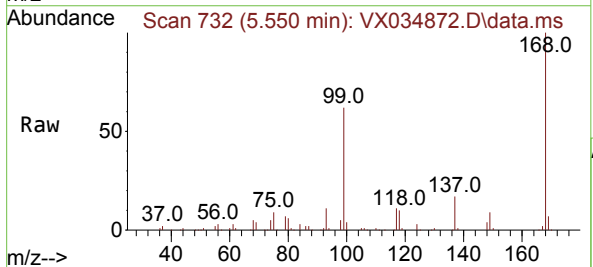
Instrument :
MSVOA_X
ClientSampleId :
MW-7

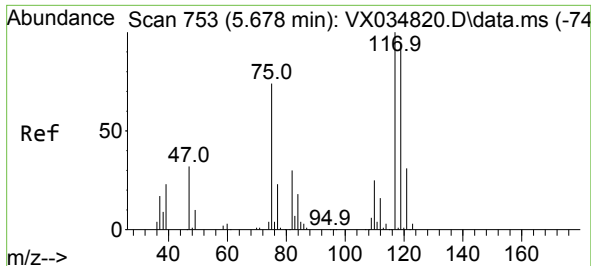
Tgt Ion:113 Resp: 133323
Ion Ratio Lower Upper
113 100
111 103.9 83.7 125.5
192 18.6 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.075 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

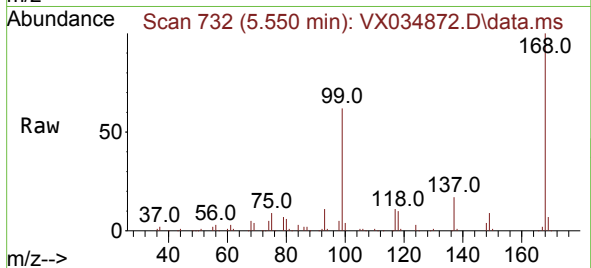
Tgt Ion: 75 Resp: 21427
Ion Ratio Lower Upper
75 100
110 9.1 17.5 52.5#
77 0.0 24.3 36.5#



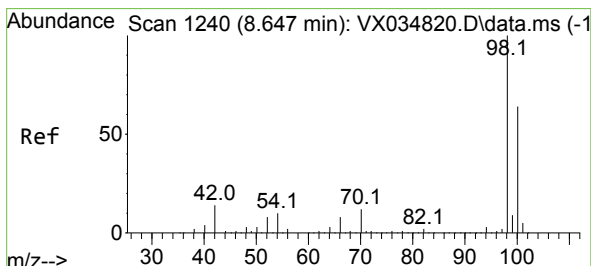
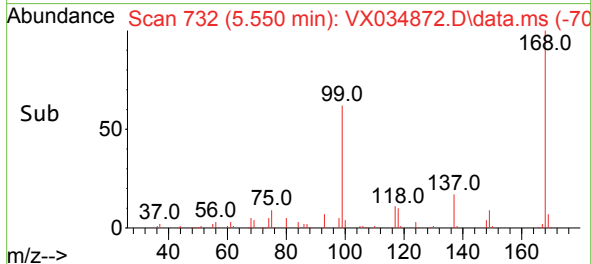
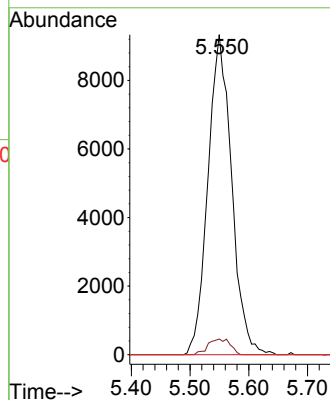


#38
Carbon Tetrachloride
Concen: 6.568 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

Instrument :
MSVOA_X
ClientSampleId :
MW-7

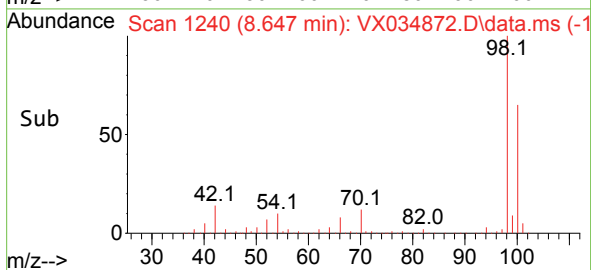
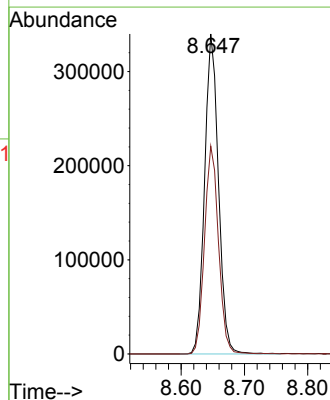
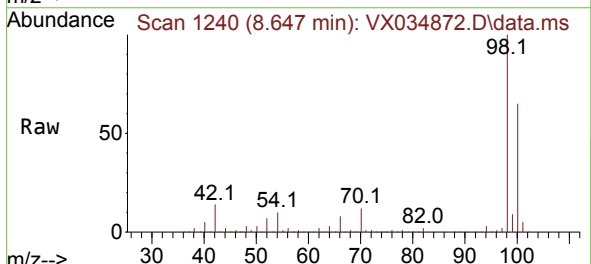


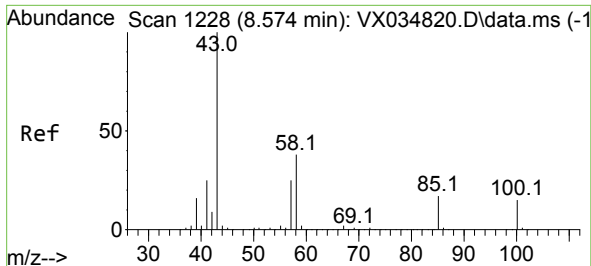
Tgt Ion:117 Resp: 26146
Ion Ratio Lower Upper
117 100
119 4.9 76.6 114.8#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 49.334 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

Tgt Ion: 98 Resp: 518959
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.598 ug/l

RT: 8.647 min Scan# 1

Delta R.T. 0.073 min

Lab File: VX034872.D

Acq: 31 Mar 2023 12:53

Instrument :

MSVOA_X

ClientSampleId :

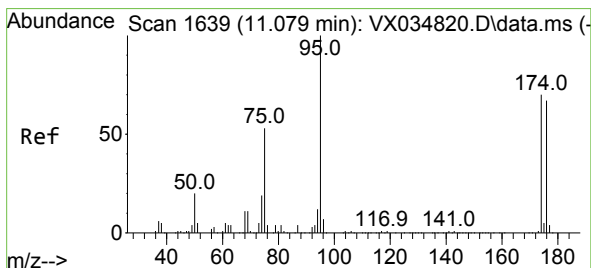
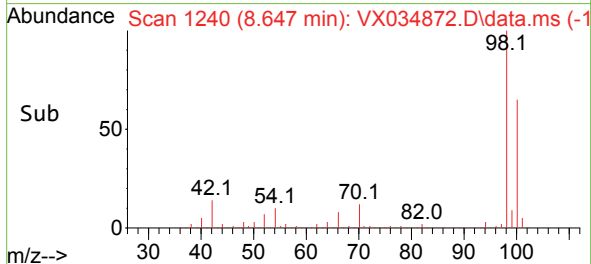
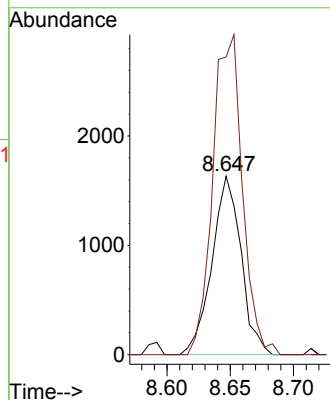
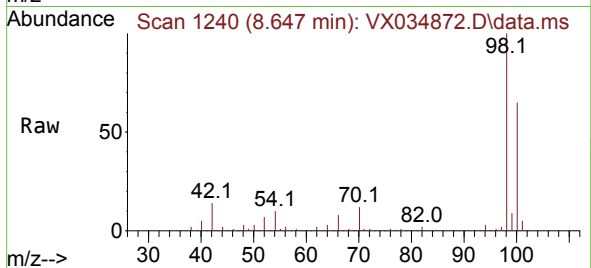
MW-7

Tgt Ion: 43 Resp: 2613

Ion Ratio Lower Upper

43 100

58 182.5 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 46.227 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX034872.D

Acq: 31 Mar 2023 12:53

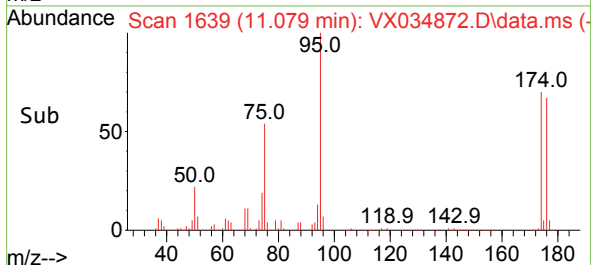
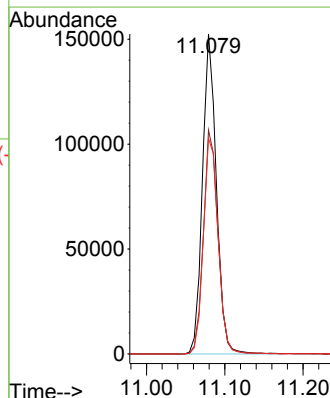
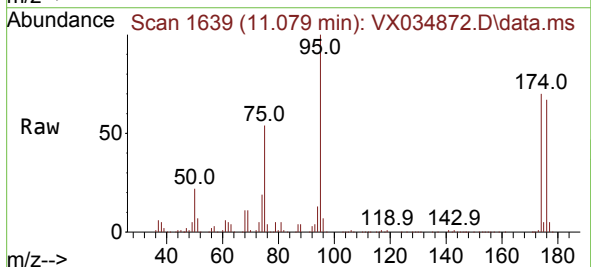
Tgt Ion: 95 Resp: 188173

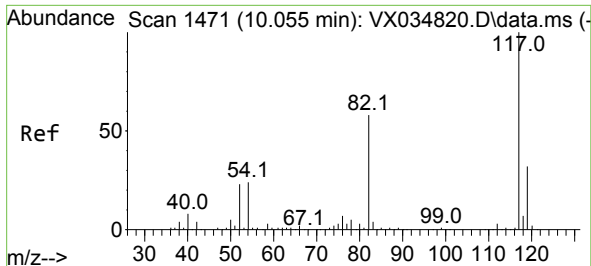
Ion Ratio Lower Upper

95 100

174 72.8 0.0 147.4

176 71.3 0.0 140.6

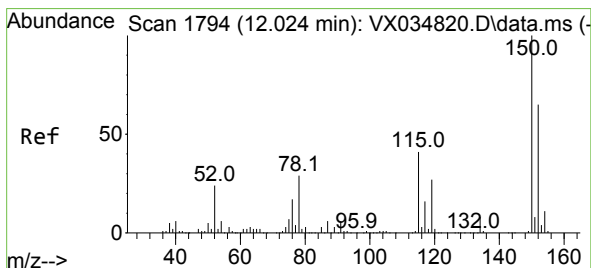
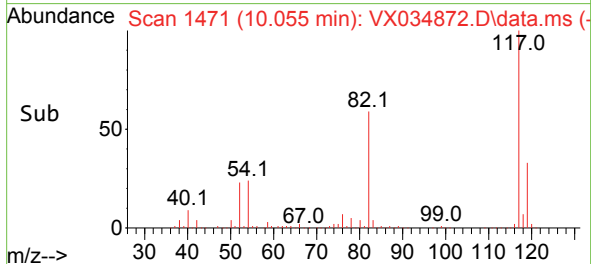
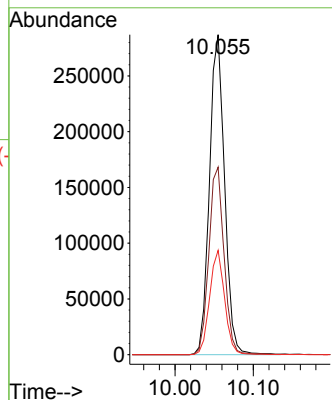
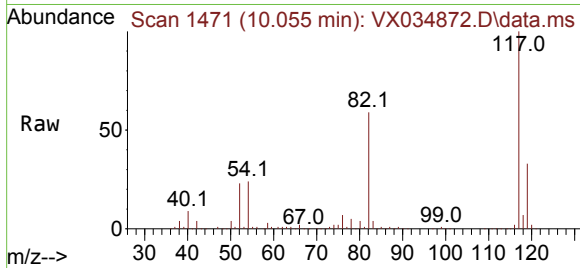




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

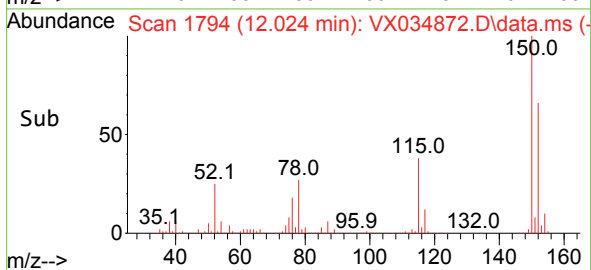
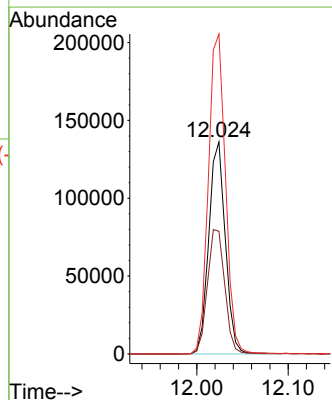
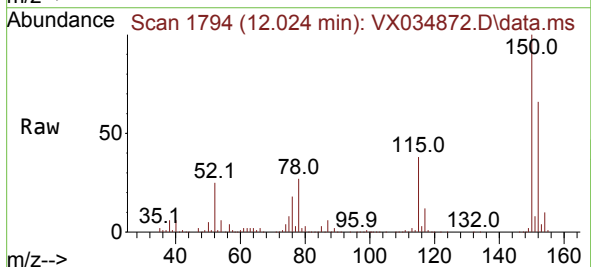
Instrument :
MSVOA_X
ClientSampleId :
MW-7

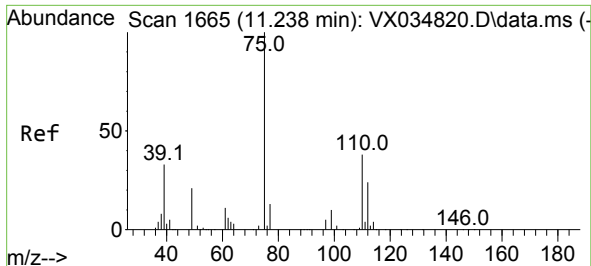
Tgt Ion:117 Resp: 384329
Ion Ratio Lower Upper
117 100
82 58.6 45.0 67.4
119 32.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

Tgt Ion:152 Resp: 171458
Ion Ratio Lower Upper
152 100
115 61.3 45.0 135.0
150 155.8 0.0 352.4

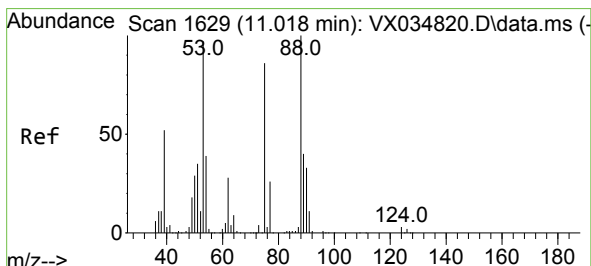
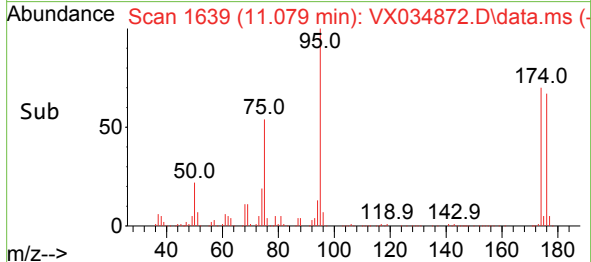
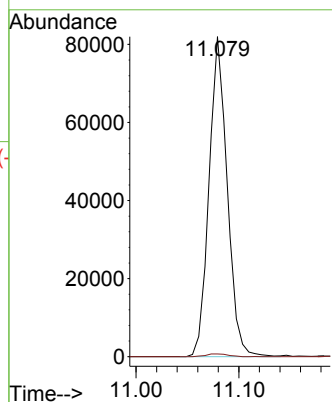
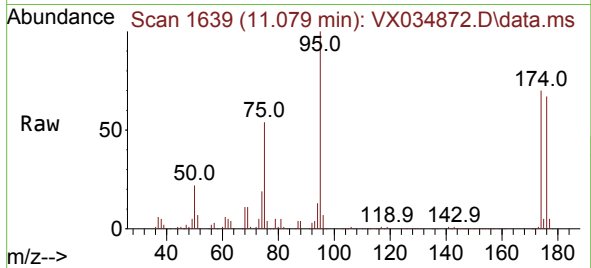




#76
1,2,3-Trichloropropane
Concen: 29.188 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

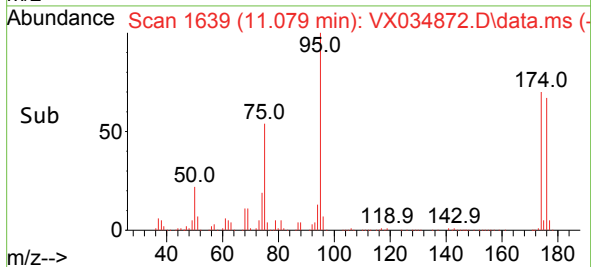
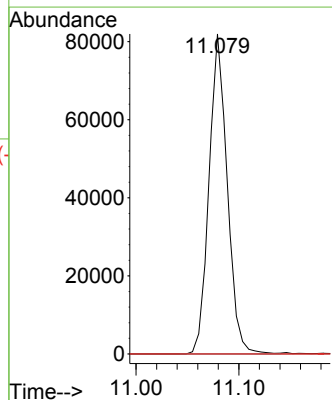
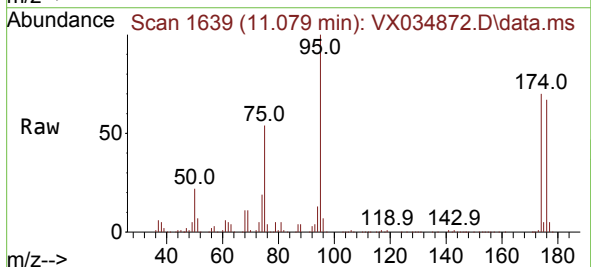
Instrument :
MSVOA_X
ClientSampleId :
MW-7

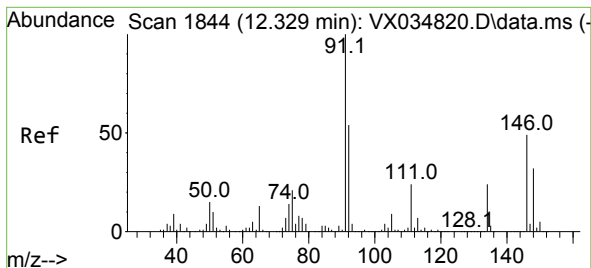
Tgt Ion: 75 Resp: 100838
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.475 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

Tgt Ion: 75 Resp: 100838
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.256 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX034872.D

Acq: 31 Mar 2023 12:53

Instrument :

MSVOA_X

ClientSampleId :

MW-7

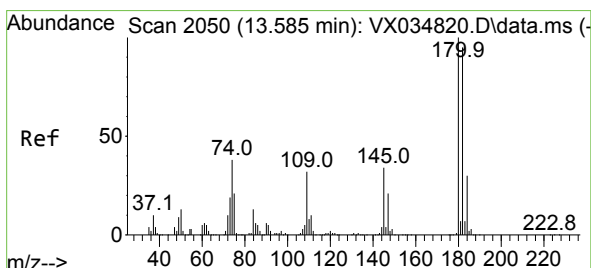
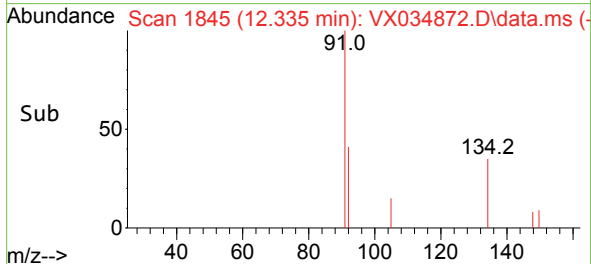
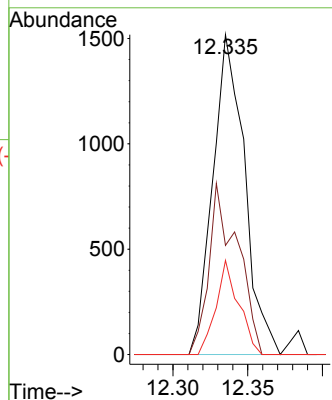
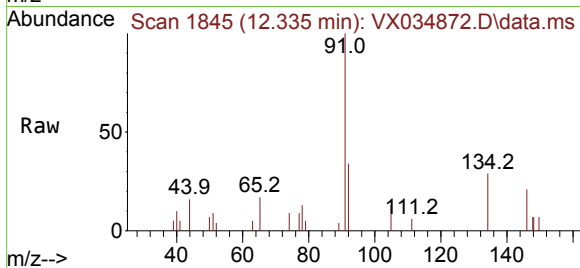
Tgt Ion: 91 Resp: 2233

Ion Ratio Lower Upper

91 100

92 48.4 27.7 83.0

134 21.2 13.0 38.9



#93

1,2,4-Trichlorobenzene

Concen: 0.315 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX034872.D

Acq: 31 Mar 2023 12:53

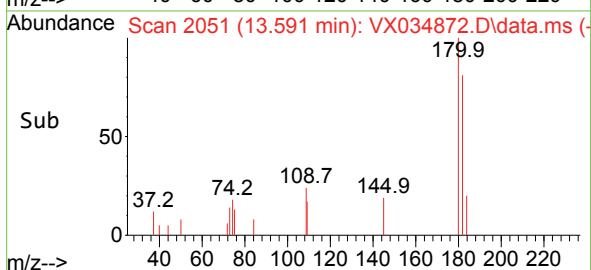
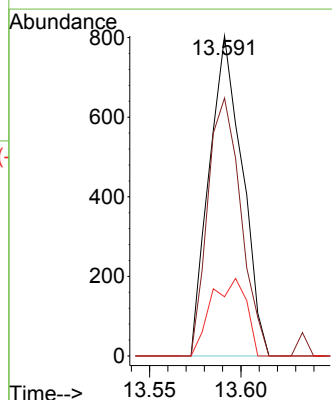
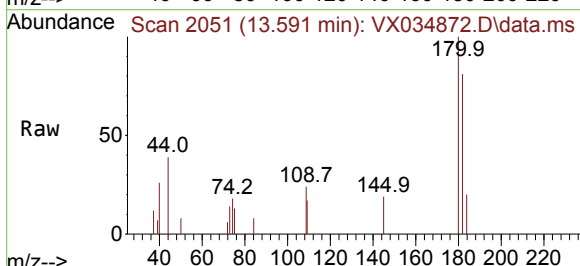
Tgt Ion:180 Resp: 1011

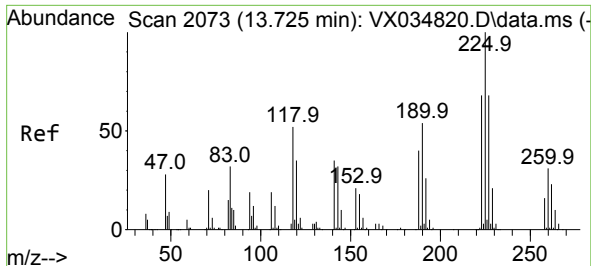
Ion Ratio Lower Upper

180 100

182 81.0 47.0 141.0

145 25.7 15.9 47.7

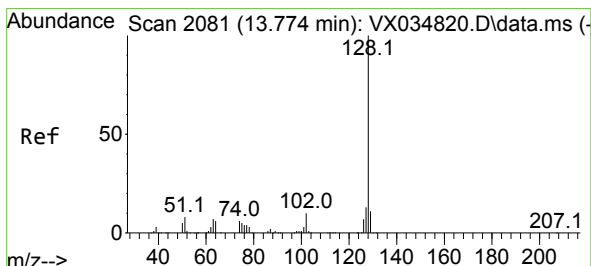
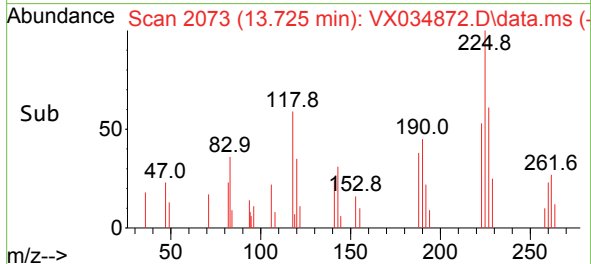
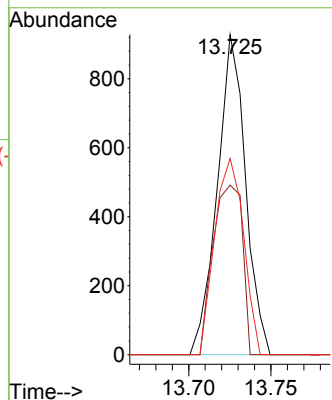
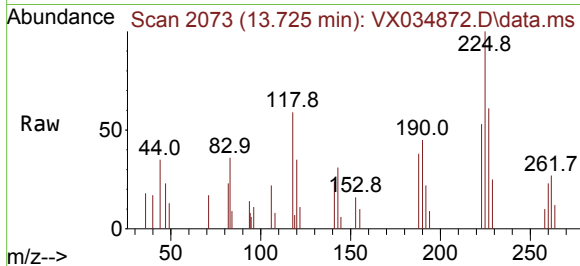




#94
Hexachlorobutadiene
Concen: 0.785 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

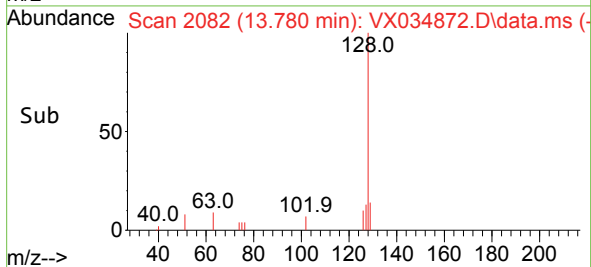
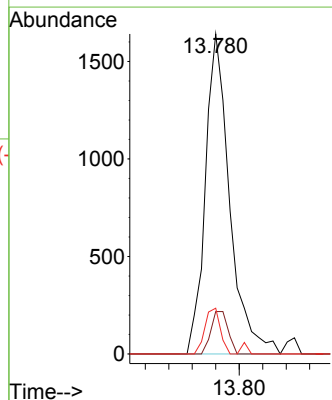
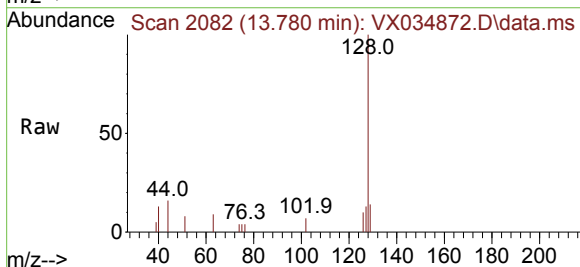
Instrument :
MSVOA_X
ClientSampleId :
MW-7

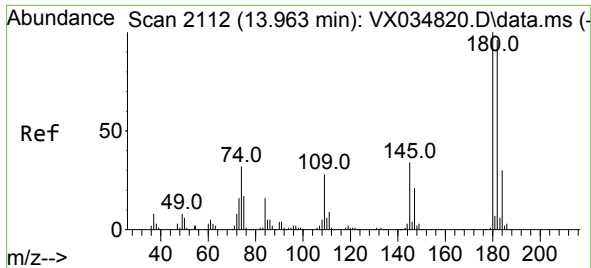
Tgt Ion:	225	Resp:	1108
Ion	Ratio	Lower	Upper
225	100		
223	55.1	32.1	96.5
227	62.5	31.8	95.4



#95
Naphthalene
Concen: 0.207 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034872.D
Acq: 31 Mar 2023 12:53

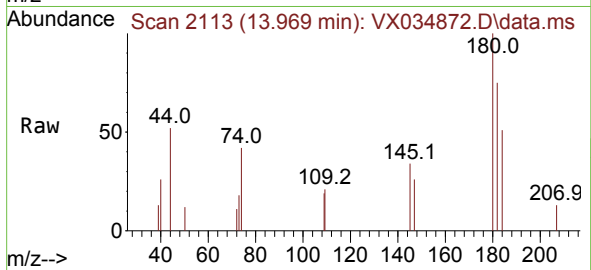
Tgt Ion:	128	Resp:	2364
Ion	Ratio	Lower	Upper
128	100		
127	9.3	10.2	15.4#
129	9.1	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.258 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX034872.D
 Acq: 31 Mar 2023 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7



Tgt Ion:	180	Resp:	835
Ion	Ratio	Lower	Upper
180	100		
182	100.8	48.0	144.2
145	39.0	17.7	53.1

