

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
 Data File : VX036440.D
 Acq On : 06 Jul 2023 17:28
 Operator : JC/MD
 Sample : 03500-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Jul 07 01:50:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

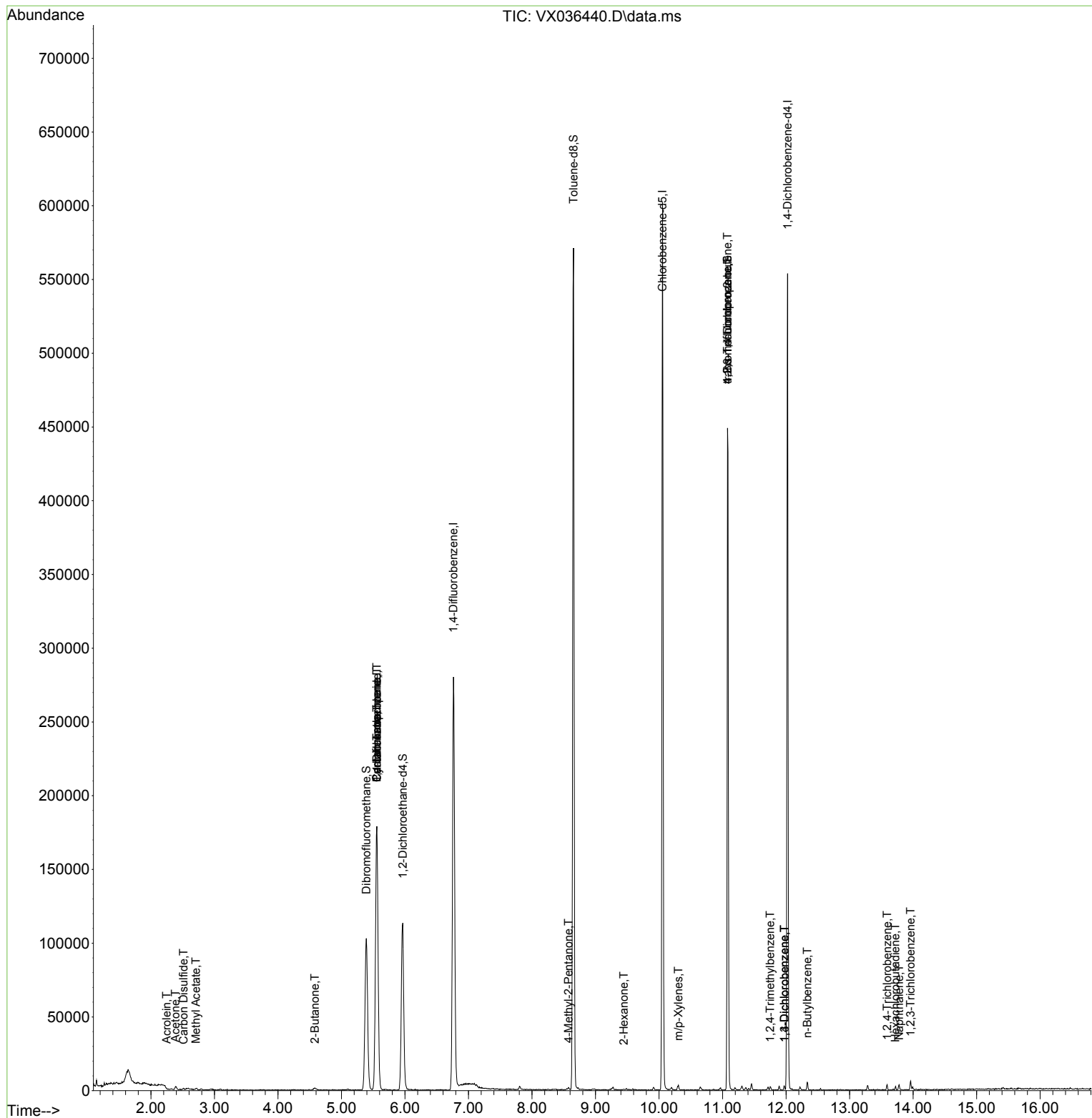
Internal Standards						
1) Pentafluorobenzene	5.555	168	170105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	285743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109315	44.832	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.660%		
35) Dibromofluoromethane	5.391	113	89242	47.366	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.740%		
50) Toluene-d8	8.652	98	342688	48.697	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.400%		
62) 4-Bromofluorobenzene	11.079	95	119254	48.111	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.220%		
Target Compounds						
					Qvalue	
13) Acrolein	2.245	56	175	0.287	ug/l #	1
16) Acetone	2.385	43	2567	2.463	ug/l	90
17) Carbon Disulfide	2.513	76	1008	0.212	ug/l #	62
18) Methyl Acetate	2.708	43	1933	0.451	ug/l	94
25) 2-Butanone	4.580	43	772	0.516	ug/l #	84
31) Cyclohexane	5.555	56	3705	1.186	ug/l #	1
36) 1,1-Dichloropropene	5.555	75	13121	4.672	ug/l #	51
38) Carbon Tetrachloride	5.555	117	17487	6.817	ug/l #	16
51) 4-Methyl-2-Pentanone	8.573	43	1407	0.478	ug/l #	76
59) 2-Hexanone	9.445	43	482	0.224	ug/l #	49
68) m/p-Xylenes	10.305	106	847	0.228	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	59569	25.138	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59569	81.943	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.749	105	1409	0.201	ug/l	93
87) 1,3-Dichlorobenzene	11.975	146	900	0.238	ug/l	93
88) 1,4-Dichlorobenzene	11.975	146	900	0.234	ug/l	94
89) n-Butylbenzene	12.335	91	1723	0.268	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	1138	0.496	ug/l	90
94) Hexachlorobutadiene	13.719	225	503	0.535	ug/l	80
95) Naphthalene	13.780	128	2682	0.354	ug/l	97
96) 1,2,3-Trichlorobenzene	13.962	180	1001	0.447	ug/l	94

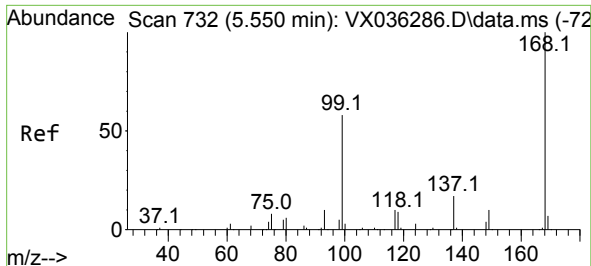
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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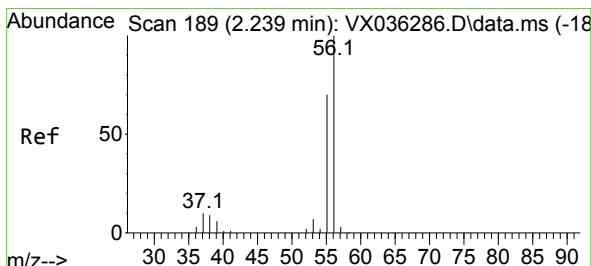
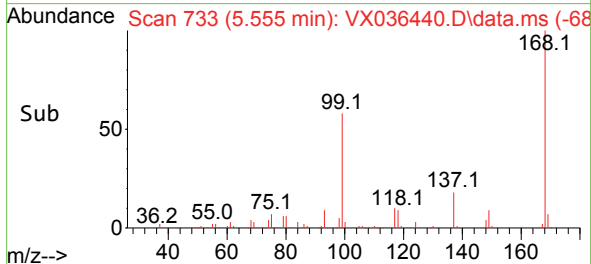
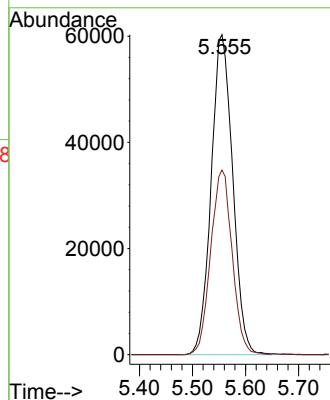
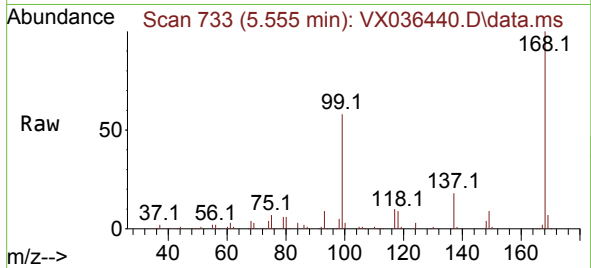




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

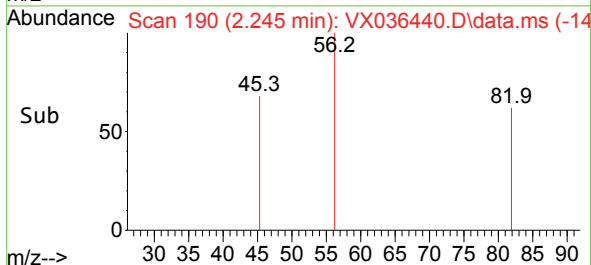
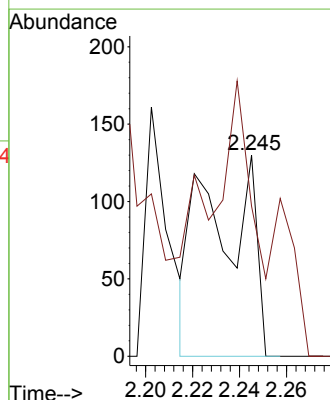
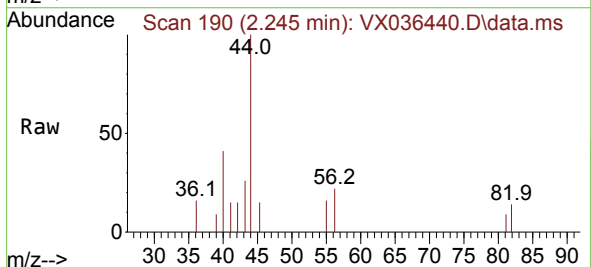
Instrument :
MSVOA_X
ClientSampleId :
MW-3

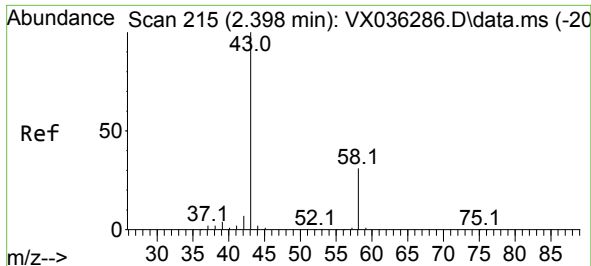
Tgt Ion:168 Resp: 170105
Ion Ratio Lower Upper
168 100
99 57.7 56.6 85.0



#13
Acrolein
Concen: 0.287 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

Tgt Ion: 56 Resp: 175
Ion Ratio Lower Upper
56 100
55 168.0 57.1 85.7#

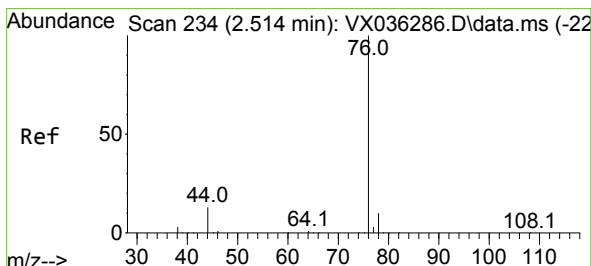
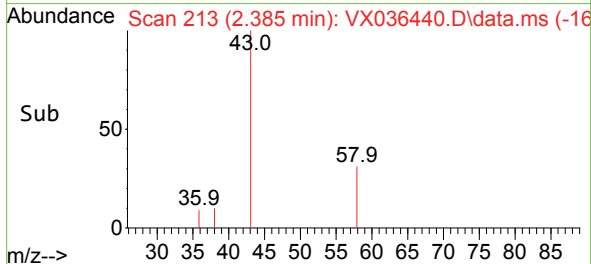
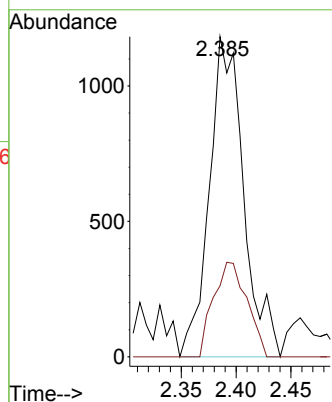
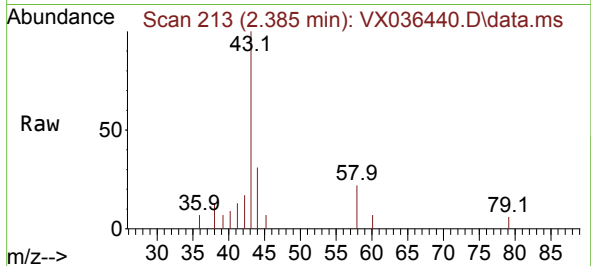




#16
Acetone
Concen: 2.463 ug/l
RT: 2.385 min Scan# 215
Delta R.T. -0.019 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

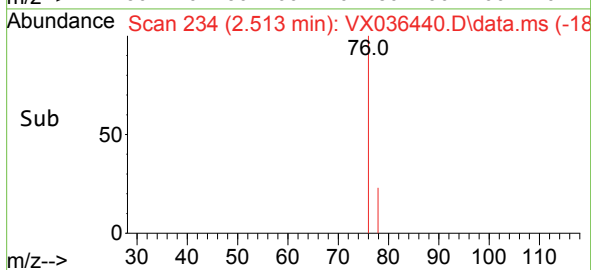
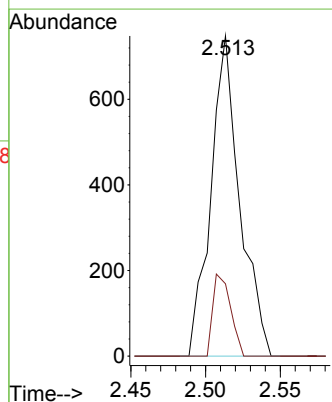
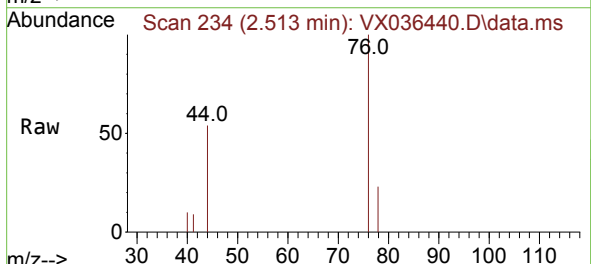
Instrument :
MSVOA_X
ClientSampleId :
MW-3

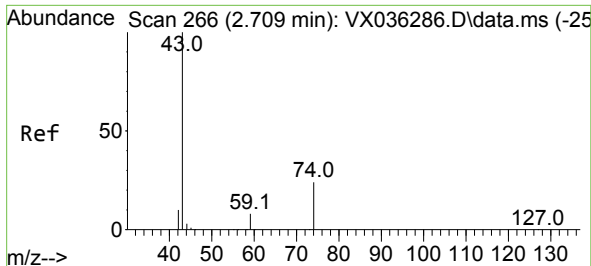
Tgt Ion: 43 Resp: 2567
Ion Ratio Lower Upper
43 100
58 22.2 21.9 32.9



#17
Carbon Disulfide
Concen: 0.212 ug/l
RT: 2.513 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

Tgt Ion: 76 Resp: 1008
Ion Ratio Lower Upper
76 100
78 22.6 7.0 10.6#





#18

Methyl Acetate

Concen: 0.451 ug/l

RT: 2.708 min Scan# 2

Delta R.T. -0.001 min

Lab File: VX036440.D

Acq: 06 Jul 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

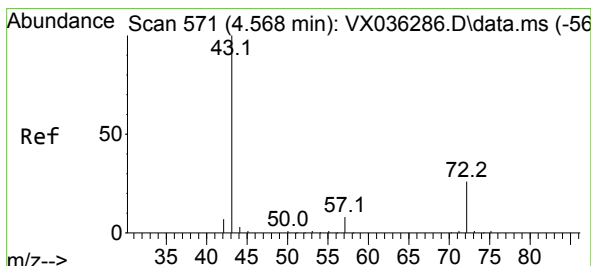
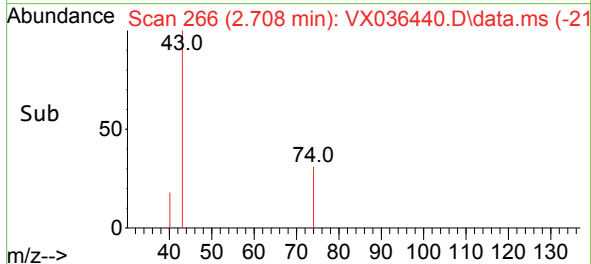
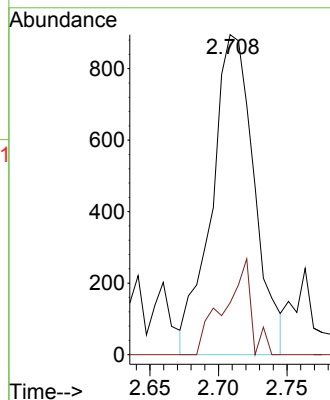
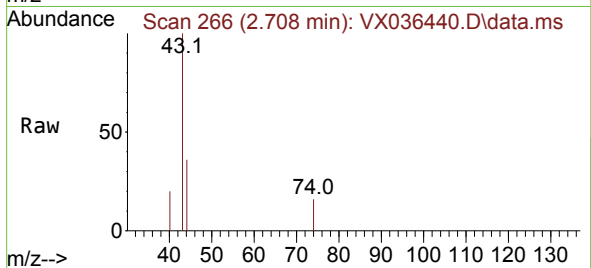
MW-3

Tgt Ion: 43 Resp: 1933

Ion Ratio Lower Upper

43 100

74 19.2 17.8 26.8



#25

2-Butanone

Concen: 0.516 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX036440.D

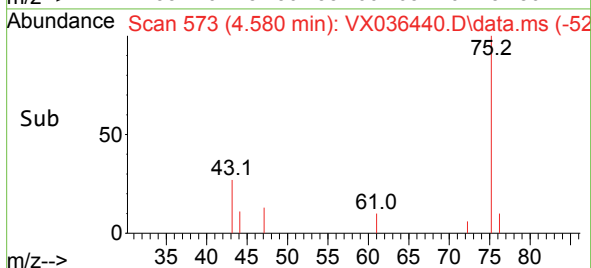
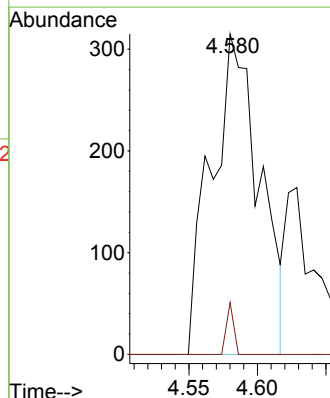
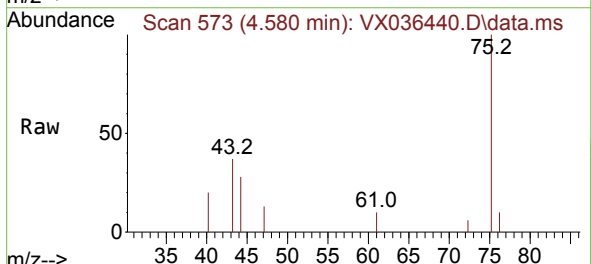
Acq: 06 Jul 2023 17:28

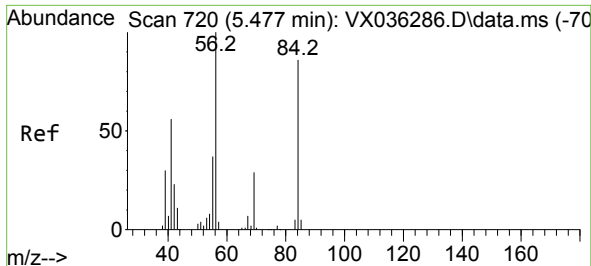
Tgt Ion: 43 Resp: 772

Ion Ratio Lower Upper

43 100

72 16.2 19.4 29.2#

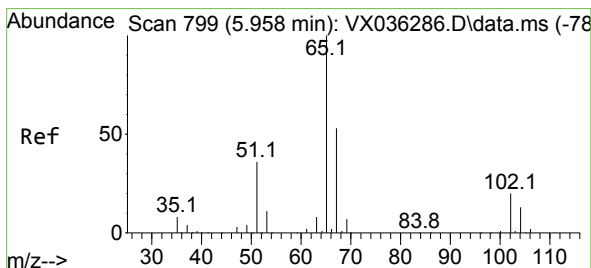
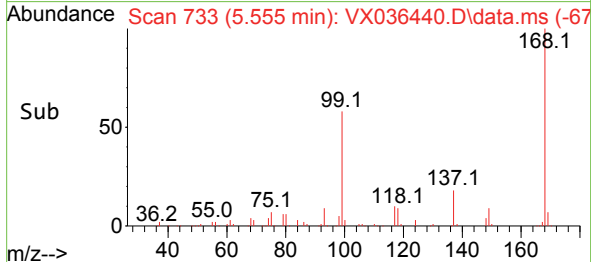
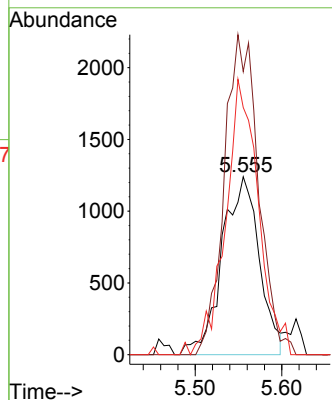
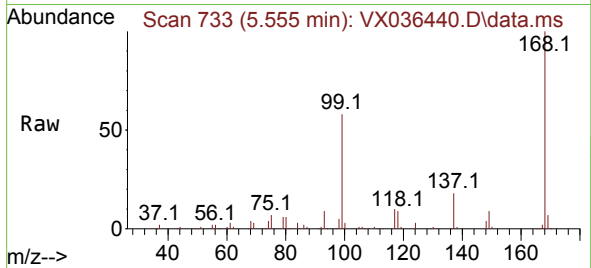




#31
Cyclohexane
Concen: 1.186 ug/l
RT: 5.555 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

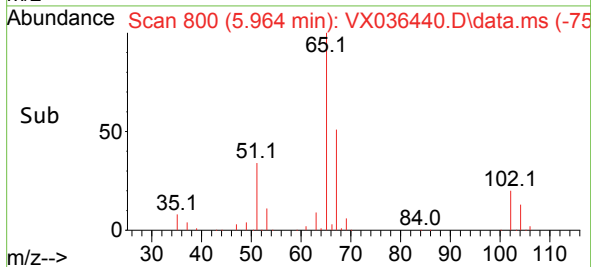
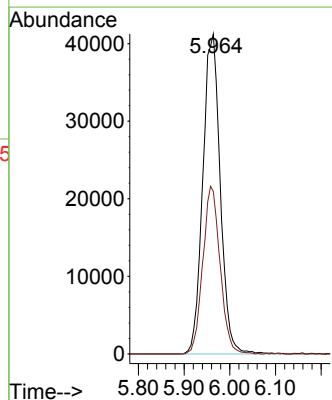
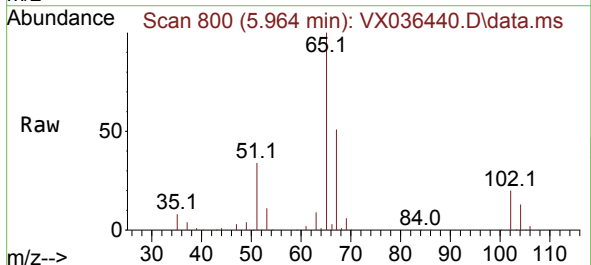
Instrument :
MSVOA_X
ClientSampleId :
MW-3

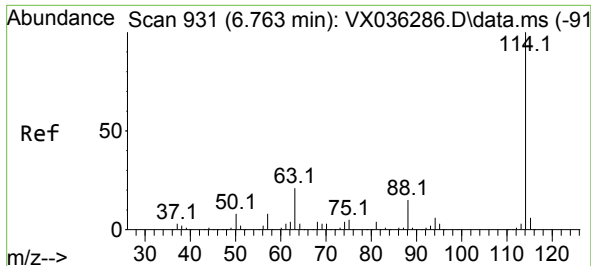
Tgt Ion: 56 Resp: 3705
Ion Ratio Lower Upper
56 100
69 159.2 23.4 35.2#
84 139.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.832 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

Tgt Ion: 65 Resp: 109315
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX036440.D

Acq: 06 Jul 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-3

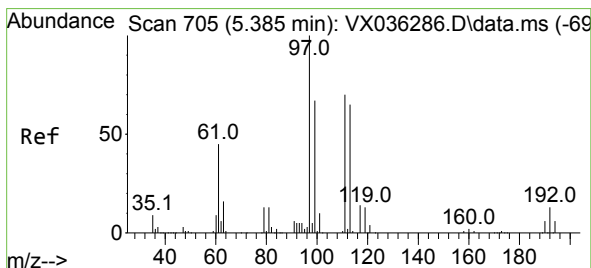
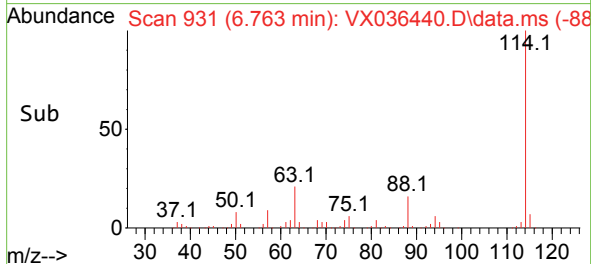
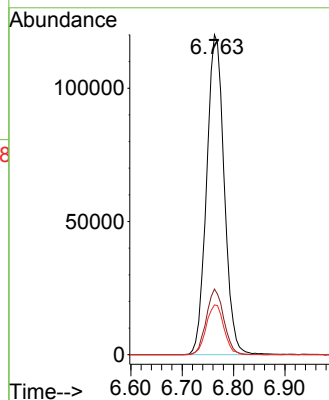
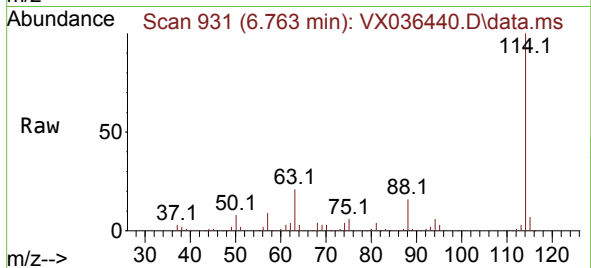
Tgt Ion:114 Resp: 285743

Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.0

88 15.6 0.0 36.6



#35

Dibromofluoromethane

Concen: 47.366 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX036440.D

Acq: 06 Jul 2023 17:28

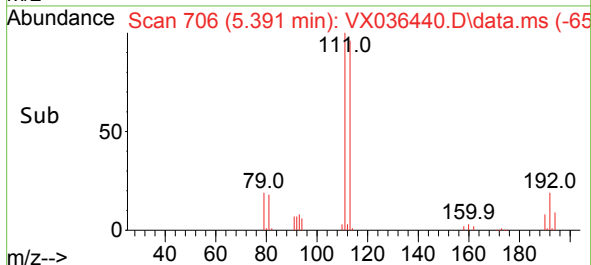
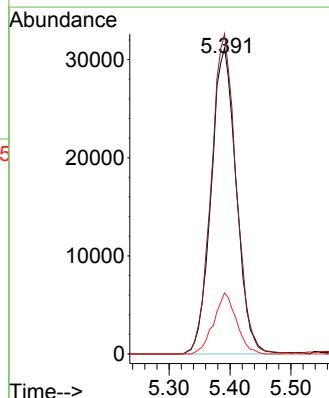
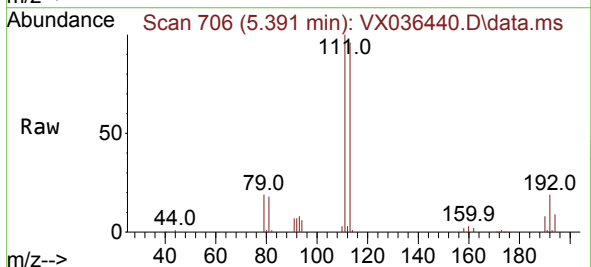
Tgt Ion:113 Resp: 89242

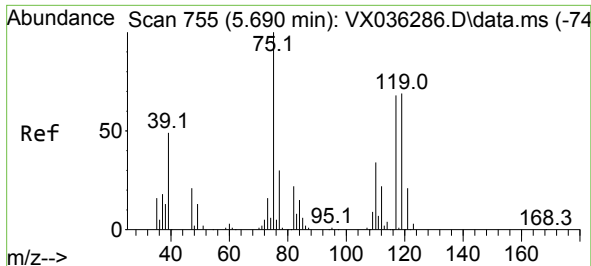
Ion Ratio Lower Upper

113 100

111 103.9 82.9 124.3

192 18.1 13.3 19.9

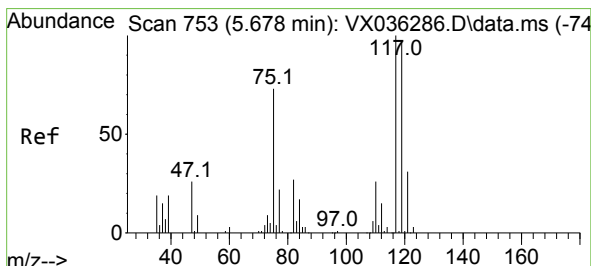
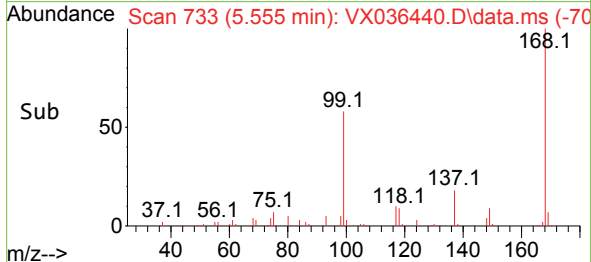
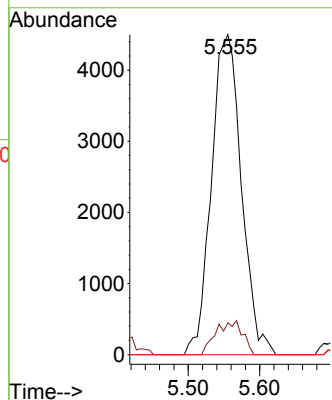
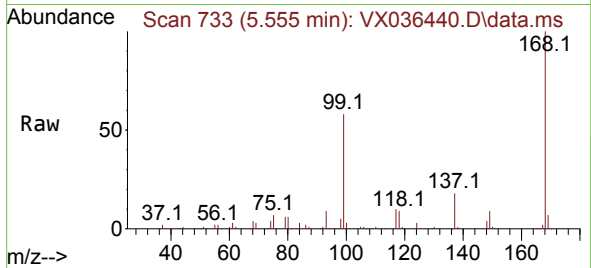




#36
1,1-Dichloropropene
Concen: 4.672 ug/l
RT: 5.555 min Scan# 713
Delta R.T. -0.141 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

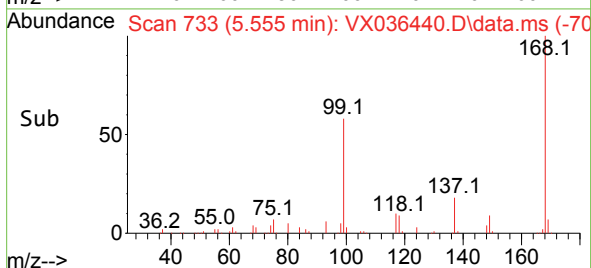
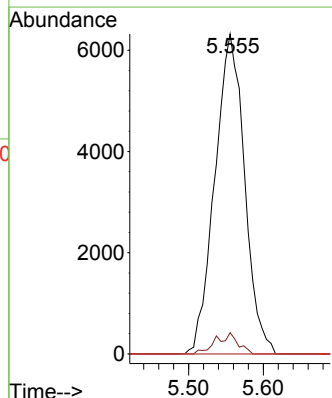
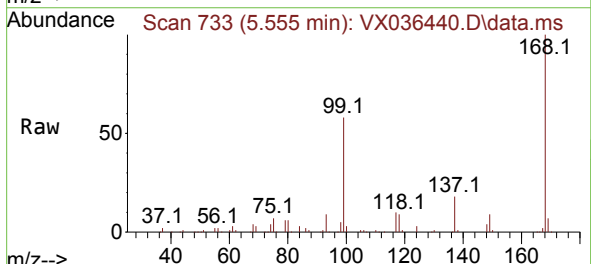
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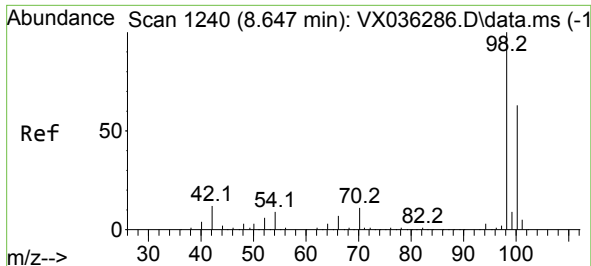
Tgt Ion: 75 Resp: 13121
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.817 ug/l
RT: 5.555 min Scan# 733
Delta R.T. -0.123 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

Tgt Ion: 117 Resp: 17487
Ion Ratio Lower Upper
117 100
119 6.6 78.2 117.2#
121 0.0 24.4 36.6#

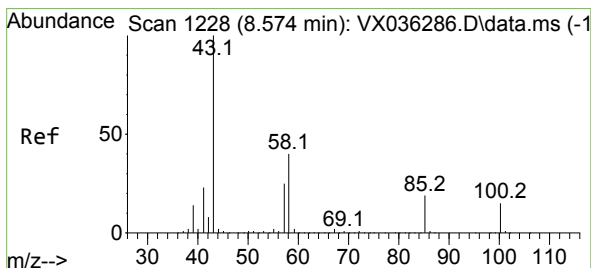
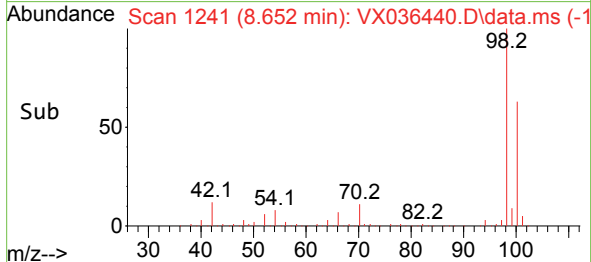
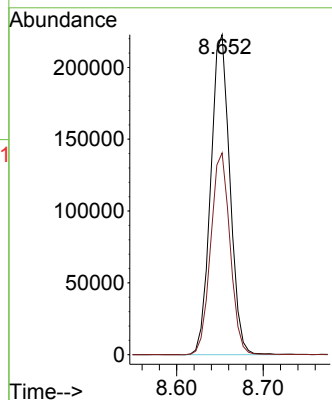
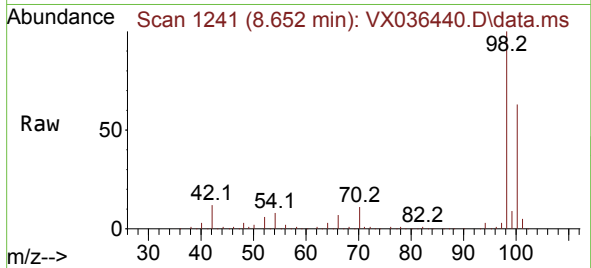




#50
Toluene-d8
Concen: 48.697 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

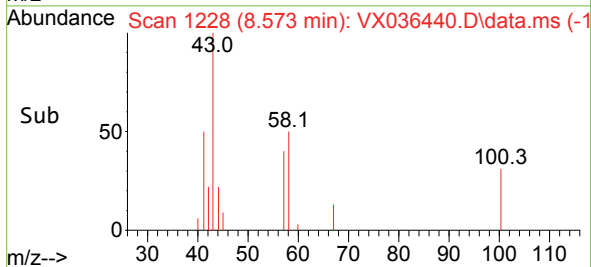
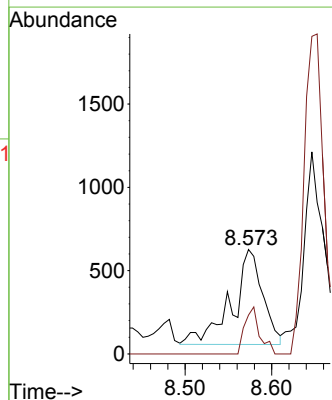
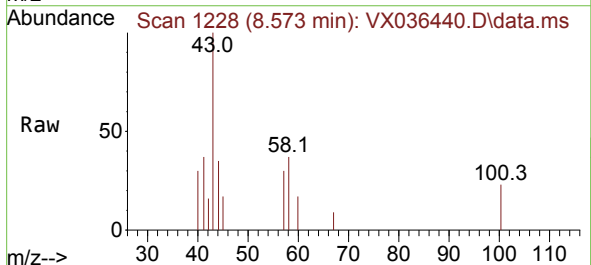
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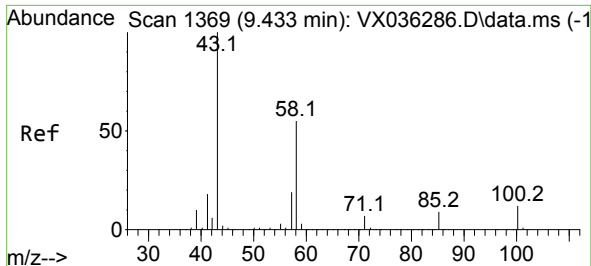
Tgt Ion: 98 Resp: 342688
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.478 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

Tgt Ion: 43 Resp: 1407
Ion Ratio Lower Upper
43 100
58 23.7 30.4 45.6#





#59

2-Hexanone

Concen: 0.224 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX036440.D

Acq: 06 Jul 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

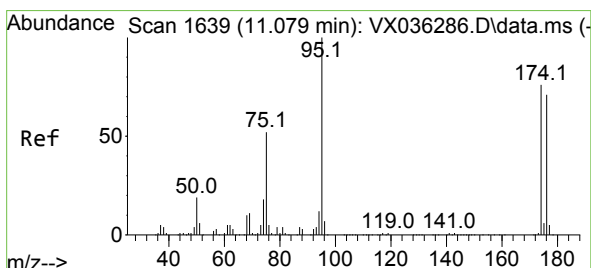
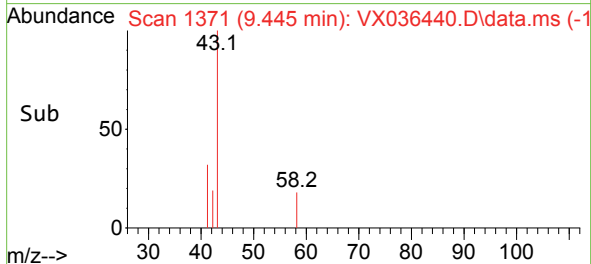
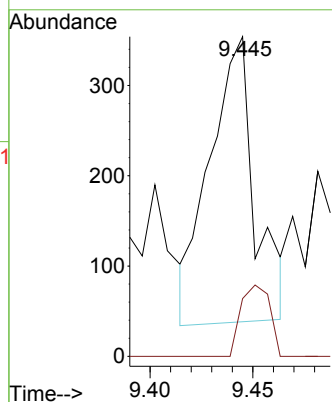
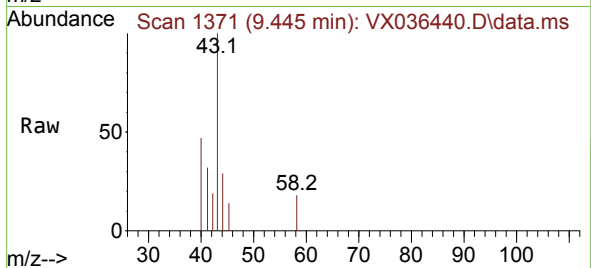
MW-3

Tgt Ion: 43 Resp: 482

Ion Ratio Lower Upper

43 100

58 16.2 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 48.111 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX036440.D

Acq: 06 Jul 2023 17:28

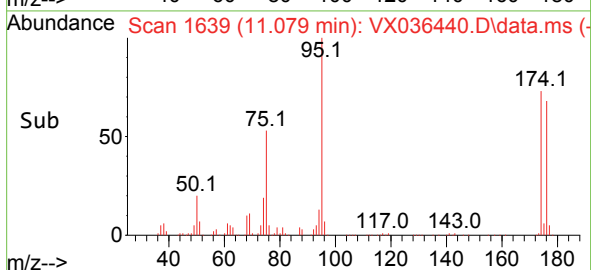
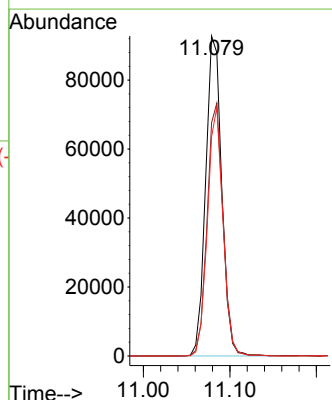
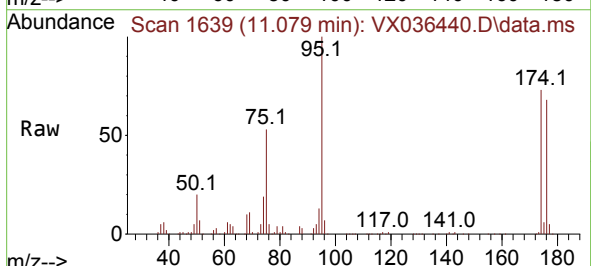
Tgt Ion: 95 Resp: 119254

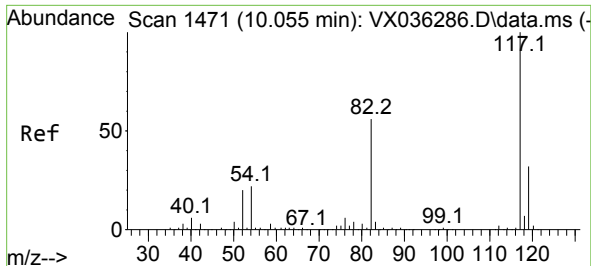
Ion Ratio Lower Upper

95 100

174 78.7 0.0 135.6

176 75.1 0.0 131.0

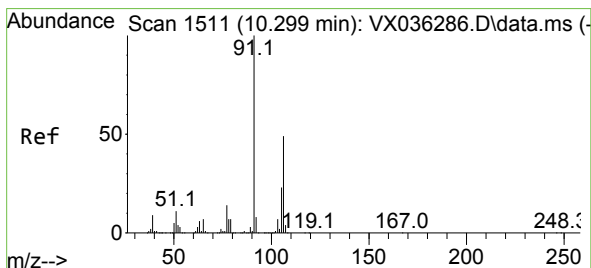
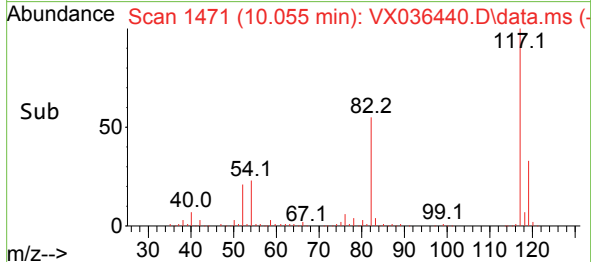
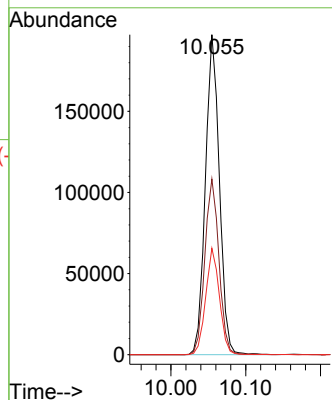
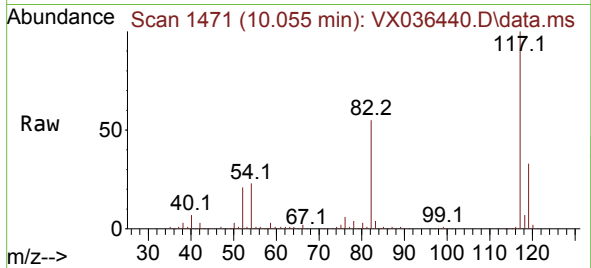




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

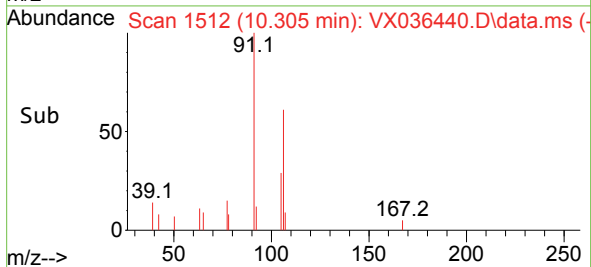
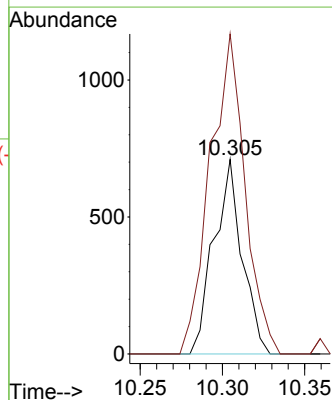
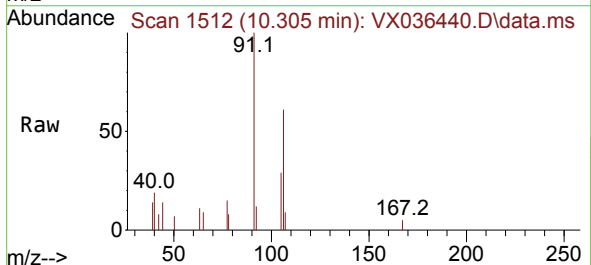
Instrument :
MSVOA_X
ClientSampleId :
MW-3

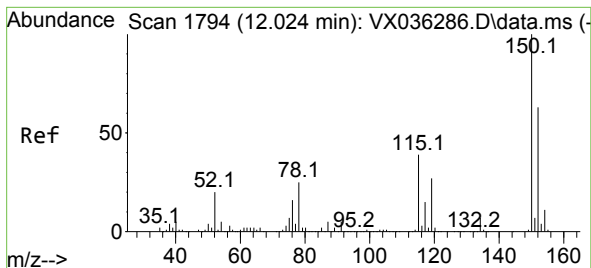
Tgt Ion:117 Resp: 255852
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.4
119 33.2 25.5 38.3



#68
m/p-Xylenes
Concen: 0.228 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

Tgt Ion:106 Resp: 847
Ion Ratio Lower Upper
106 100
91 203.4 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX036440.D

Acq: 06 Jul 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-3

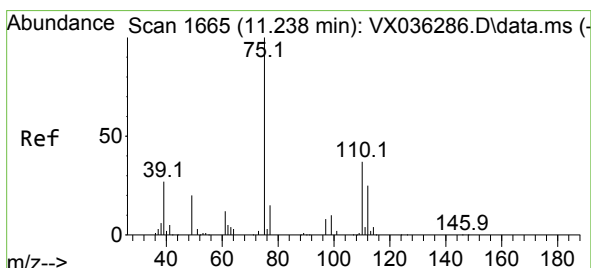
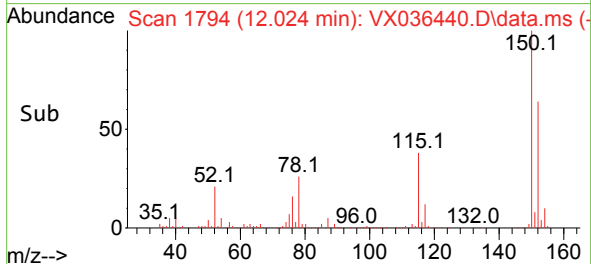
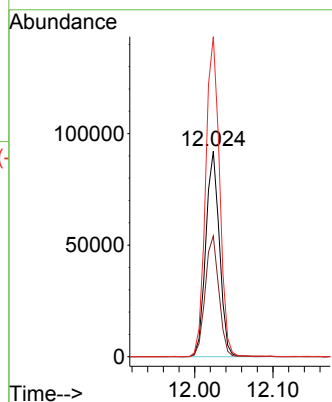
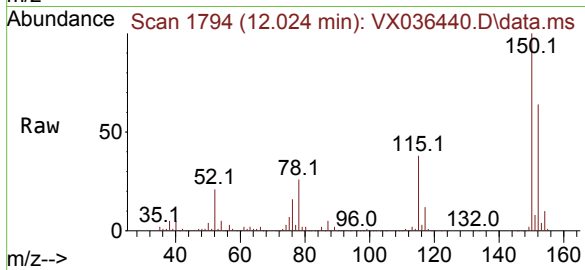
Tgt Ion:152 Resp: 111095

Ion Ratio Lower Upper

152 100

115 59.0 43.3 129.9

150 158.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.138 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036440.D

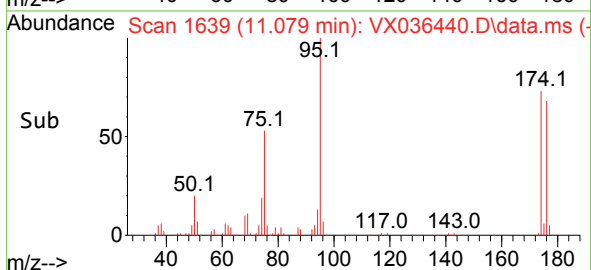
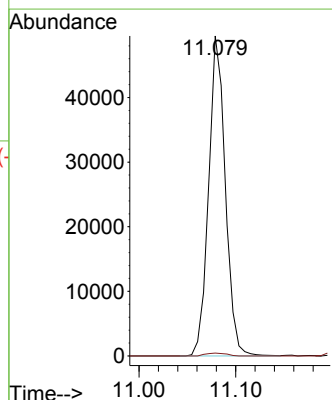
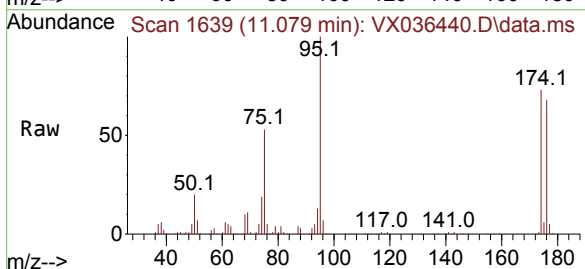
Acq: 06 Jul 2023 17:28

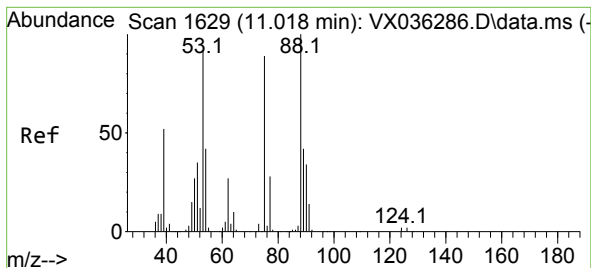
Tgt Ion: 75 Resp: 59569

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

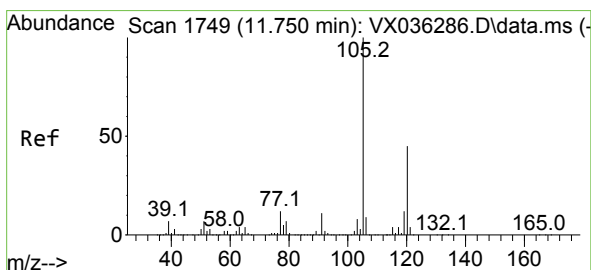
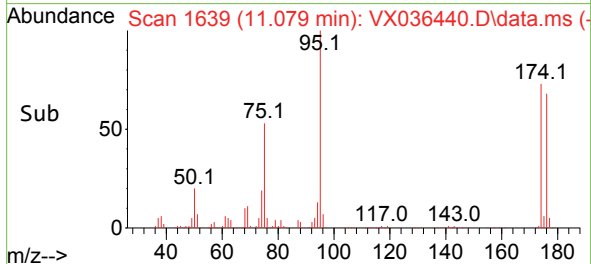
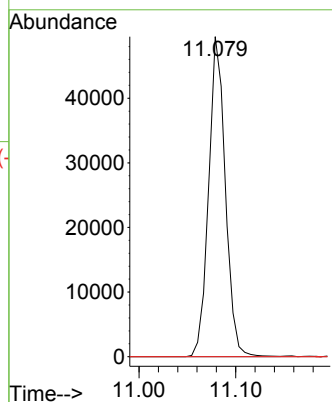
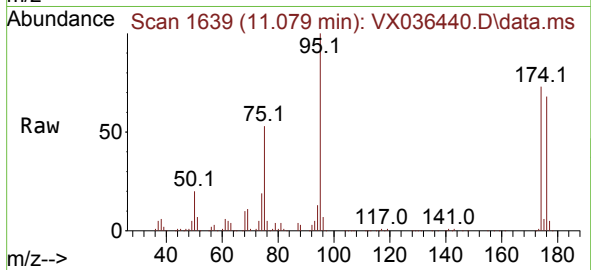




#81
trans-1,4-Dichloro-2-butene
Concen: 81.943 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

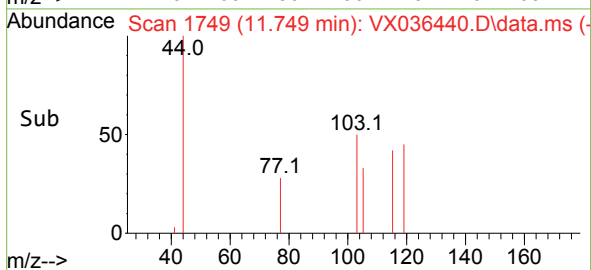
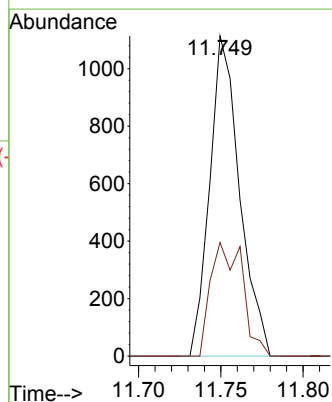
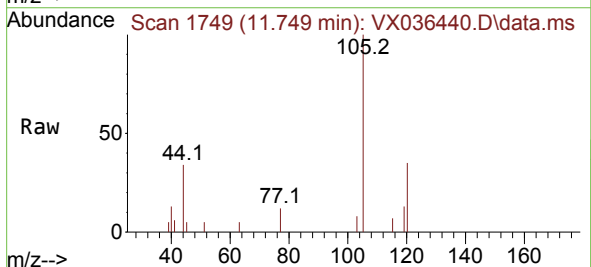
Instrument :
MSVOA_X
ClientSampleId :
MW-3

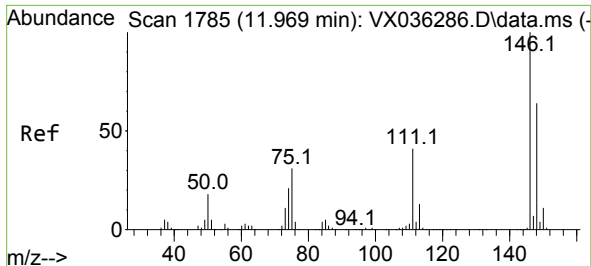
Tgt Ion: 75 Resp: 59569
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.201 ug/l
RT: 11.749 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

Tgt Ion: 105 Resp: 1409
Ion Ratio Lower Upper
105 100
120 37.8 21.2 63.6





#87

1,3-Dichlorobenzene

Concen: 0.238 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX036440.D

Acq: 06 Jul 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-3

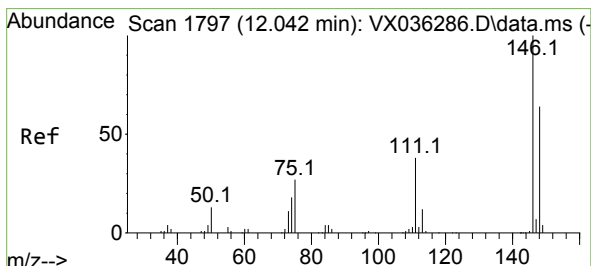
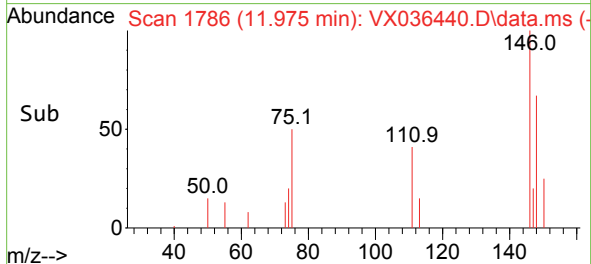
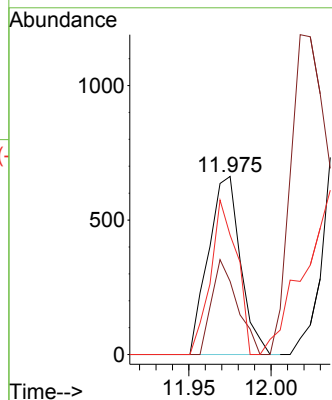
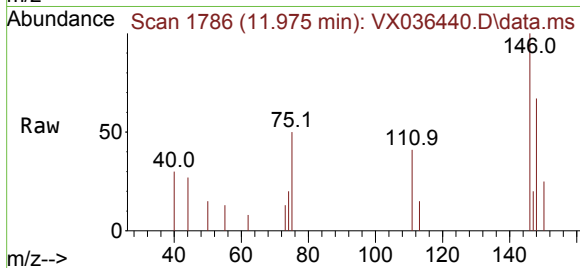
Tgt Ion:146 Resp: 900

Ion Ratio Lower Upper

146 100

111 42.4 22.1 66.1

148 70.8 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.234 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX036440.D

Acq: 06 Jul 2023 17:28

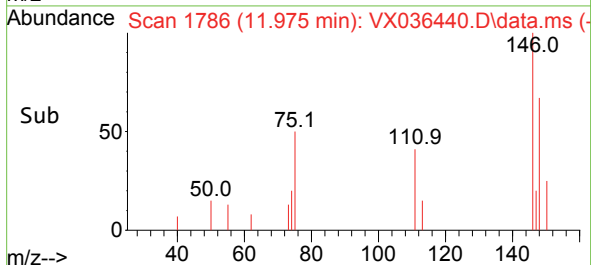
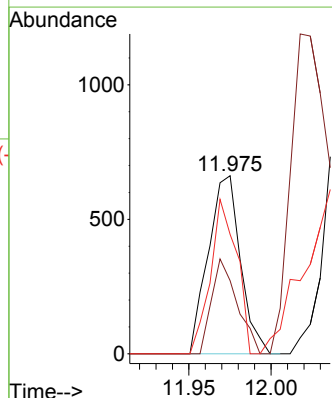
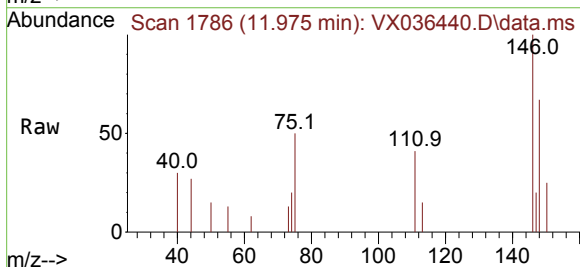
Tgt Ion:146 Resp: 900

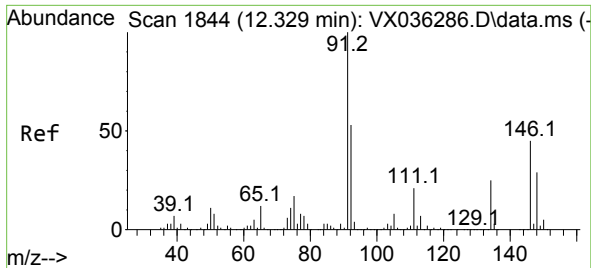
Ion Ratio Lower Upper

146 100

111 42.4 21.3 63.7

148 70.8 31.8 95.4





#89

n-Butylbenzene

Concen: 0.268 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX036440.D

Acq: 06 Jul 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-3

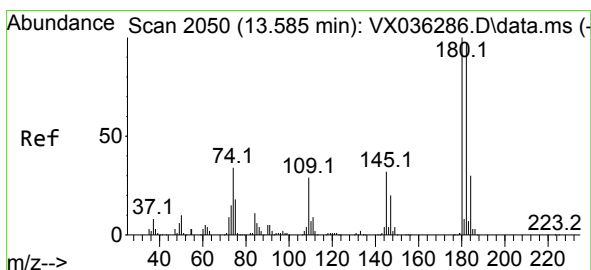
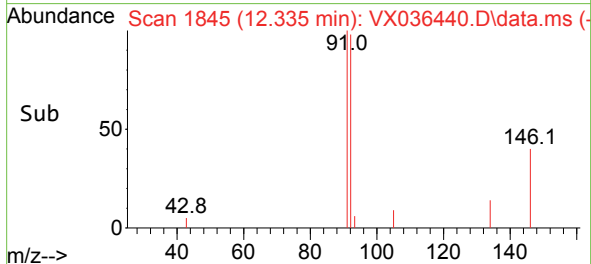
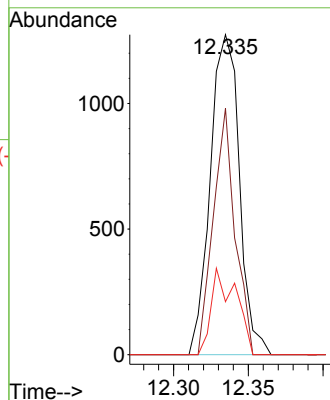
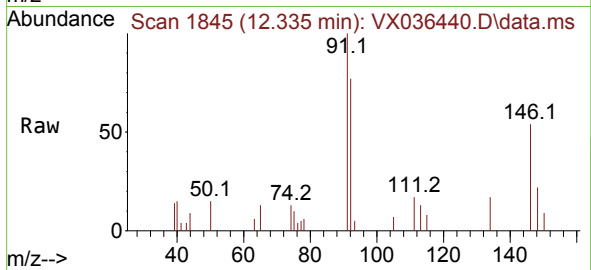
Tgt Ion: 91 Resp: 1723

Ion Ratio Lower Upper

91 100

92 57.6 27.4 82.0

134 23.0 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.496 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX036440.D

Acq: 06 Jul 2023 17:28

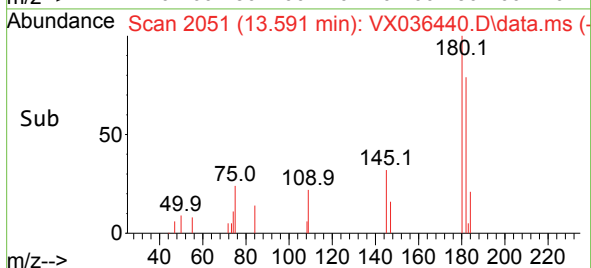
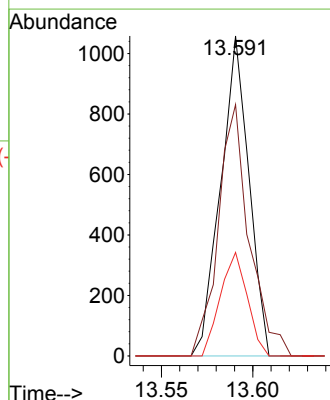
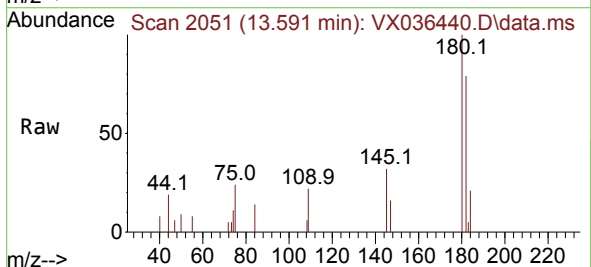
Tgt Ion: 180 Resp: 1138

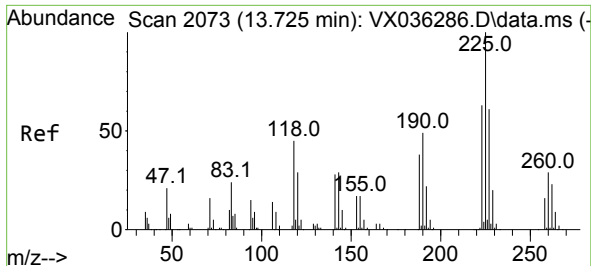
Ion Ratio Lower Upper

180 100

182 86.0 48.3 144.8

145 30.8 18.0 54.0

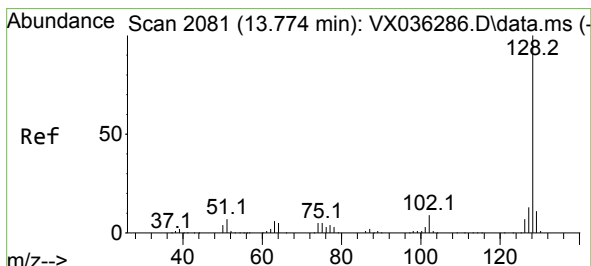
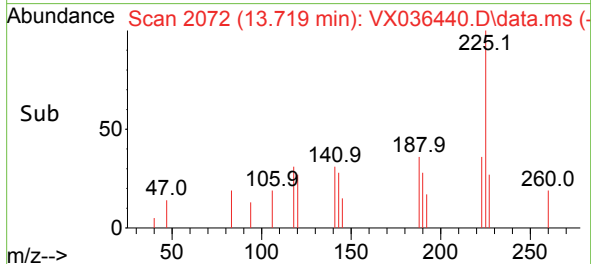
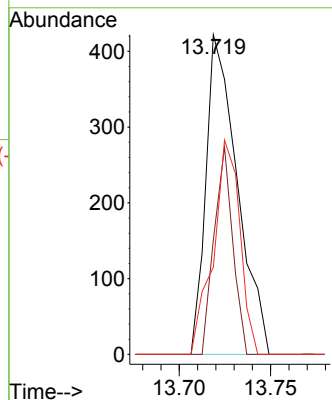
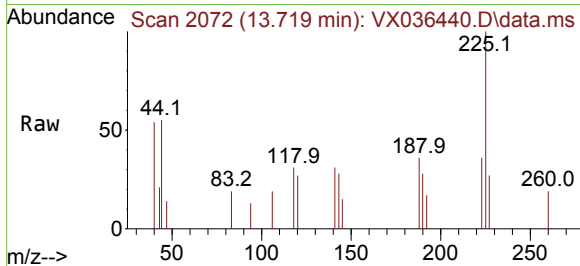




#94
Hexachlorobutadiene
Concen: 0.535 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

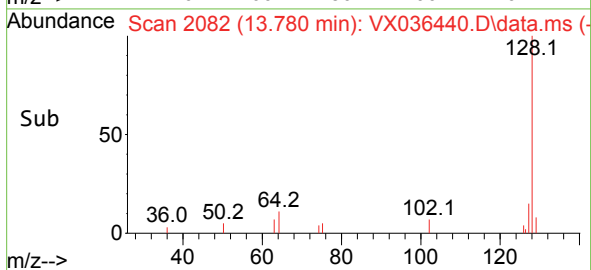
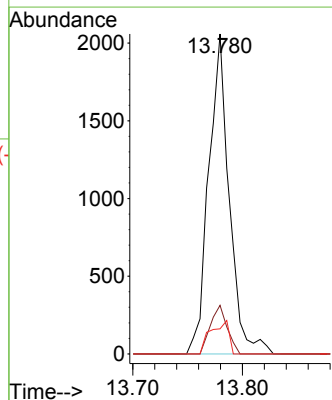
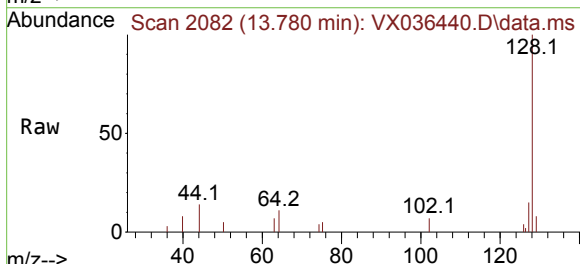
Instrument :
MSVOA_X
ClientSampleId :
MW-3

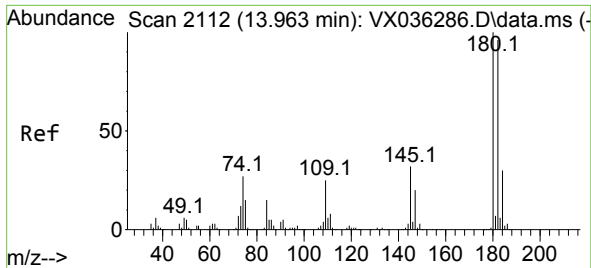
Tgt Ion:	225	Resp:	503
Ion	Ratio	Lower	Upper
225	100		
223	38.6	31.1	93.2
227	56.9	32.5	97.5



#95
Naphthalene
Concen: 0.354 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX036440.D
Acq: 06 Jul 2023 17:28

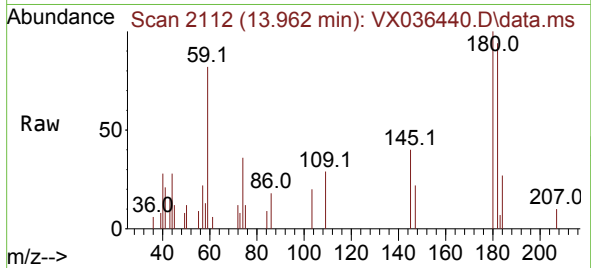
Tgt Ion:	128	Resp:	2682
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	9.2	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.447 ug/l
 RT: 13.962 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: VX036440.D
 Acq: 06 Jul 2023 17:28

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3



Tgt Ion:	180	Resp:	1001
Ion	Ratio	Lower	Upper
180	100		
182	98.3	46.9	140.6
145	42.1	17.8	53.5

