

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050123\
 Data File : VX035461.D
 Acq On : 02 May 2023 00:26
 Operator : JC/MD
 Sample : 02521-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GMW-1

Quant Time: May 02 02:44:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

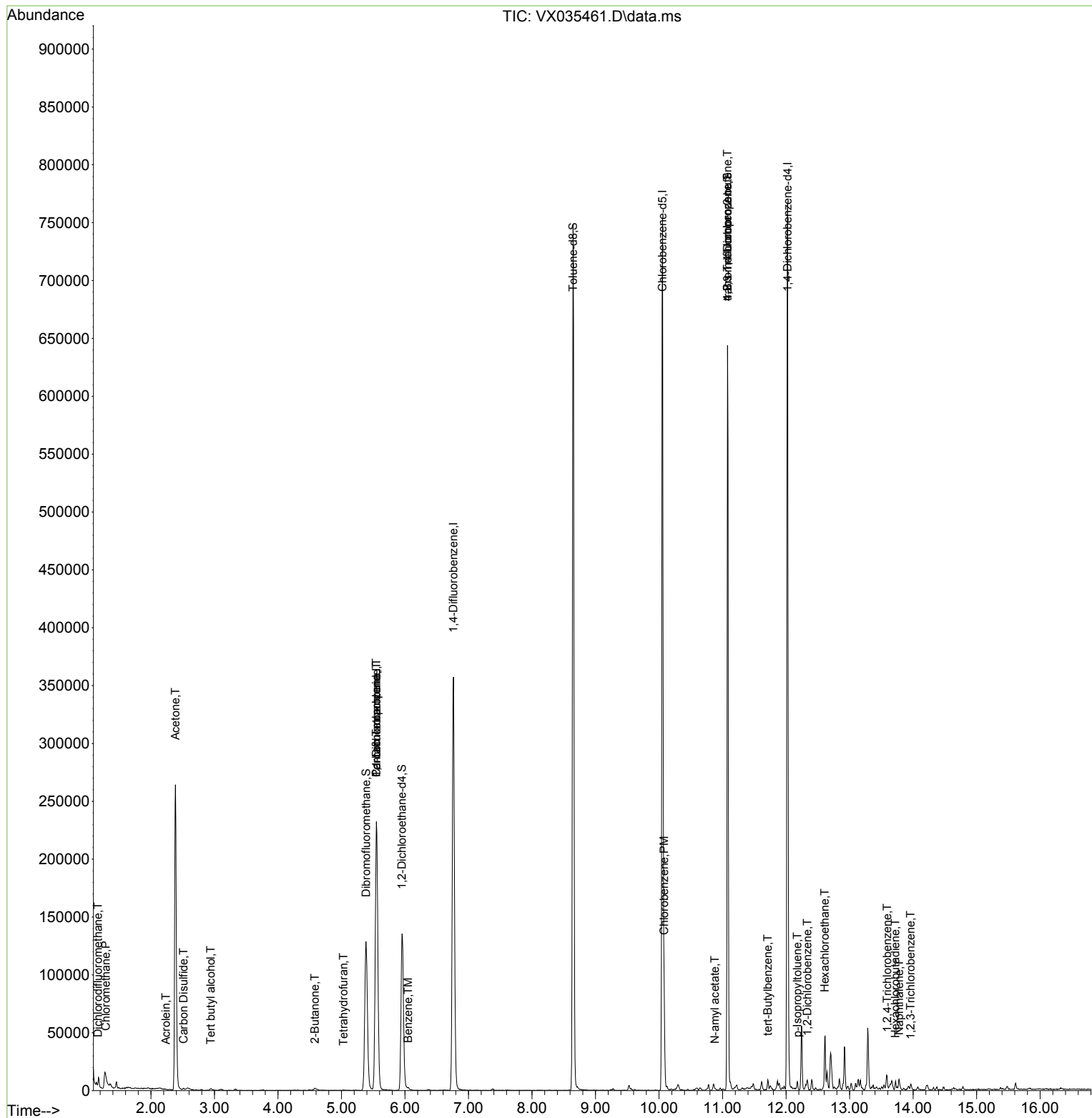
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	228524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	372247	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	347203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	170109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	133828	48.541	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	97.080%	
35) Dibromofluoromethane	5.385	113	115936	50.744	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	101.480%	
50) Toluene-d8	8.647	98	448010	51.981	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	103.960%	
62) 4-Bromofluorobenzene	11.079	95	171349	52.849	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	105.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	486	0.201	ug/l	98
3) Chloromethane	1.288	50	857	0.390	ug/l #	42
11) Tert butyl alcohol	2.941	59	1151	2.293	ug/l #	73
13) Acrolein	2.233	56	183	0.371	ug/l #	1
16) Acetone	2.386	43	310117	258.989	ug/l	99
17) Carbon Disulfide	2.514	76	1715	0.322	ug/l #	94
25) 2-Butanone	4.580	43	2919	1.670	ug/l	91
29) Tetrahydrofuran	5.032	42	250	0.223	ug/l #	51
36) 1,1-Dichloropropene	5.550	75	16056	4.501	ug/l #	52
38) Carbon Tetrachloride	5.550	117	22593	6.671	ug/l #	17
40) Benzene	6.050	78	2234	0.218	ug/l	92
65) Chlorobenzene	10.080	112	35476	4.723	ug/l	99
74) N-amyl acetate	10.878	43	1241	0.266	ug/l #	69
76) 1,2,3-Trichloropropane	11.079	75	84747	24.975	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	84747	80.889	ug/l #	8
83) tert-Butylbenzene	11.713	119	3532	0.336	ug/l	98
86) p-Isopropyltoluene	12.177	119	3057	0.279	ug/l	99
90) Hexachloroethane	12.610	117	1983	1.180	ug/l #	15
91) 1,2-Dichlorobenzene	12.335	146	1649	0.281	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	1044	0.283	ug/l #	71
94) Hexachlorobutadiene	13.719	225	1098	0.677	ug/l	91
95) Naphthalene	13.780	128	6395	0.563	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.963	180	1024	0.275	ug/l #	82

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

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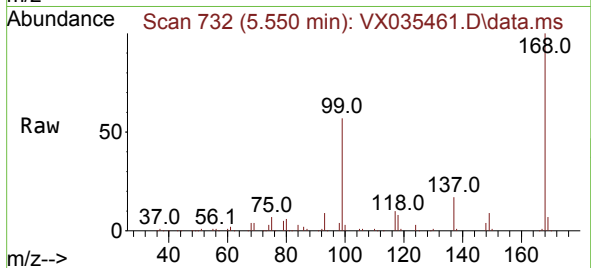
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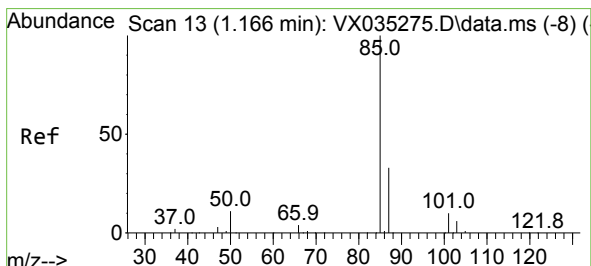
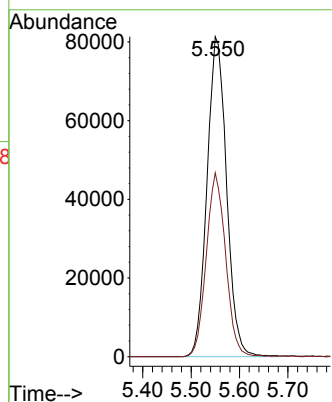
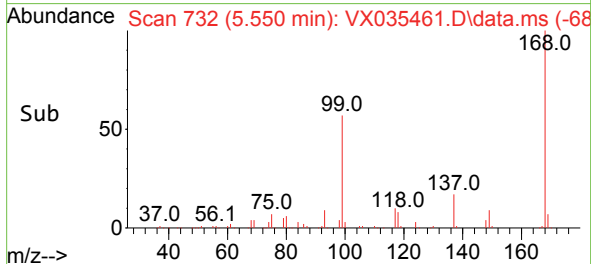


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

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MSVOA_X
ClientSampleId :
GMW-1

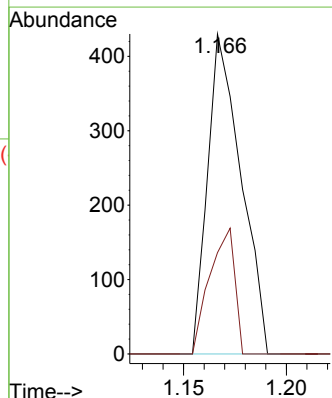
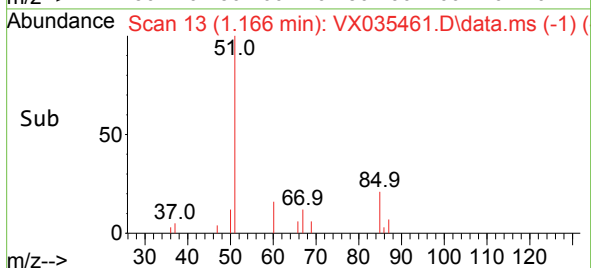
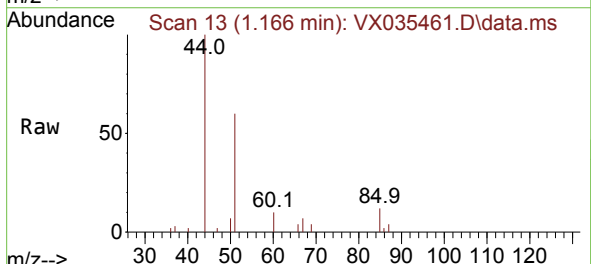


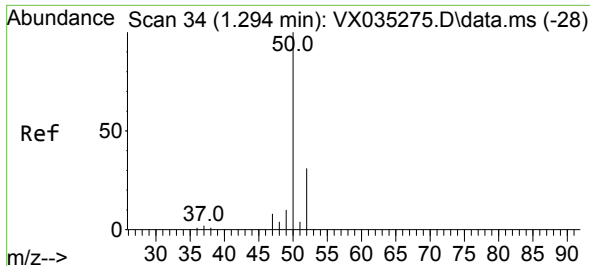
Tgt Ion:168 Resp: 228524
Ion Ratio Lower Upper
168 100
99 57.5 45.7 68.5



#2
Dichlorodifluoromethane
Concen: 0.201 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

Tgt Ion: 85 Resp: 486
Ion Ratio Lower Upper
85 100
87 31.6 16.4 49.1

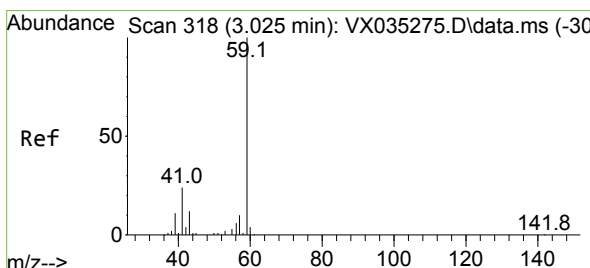
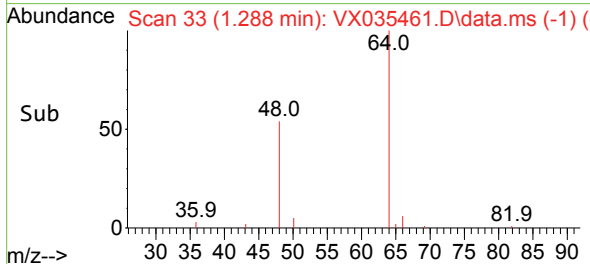
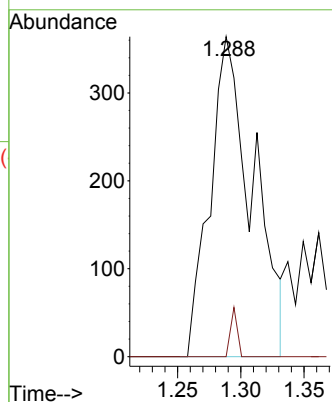
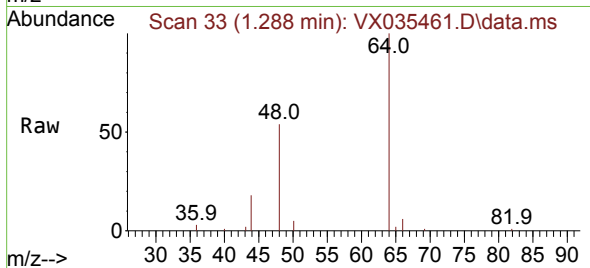




#3
Chloromethane
Concen: 0.390 ug/l
RT: 1.288 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

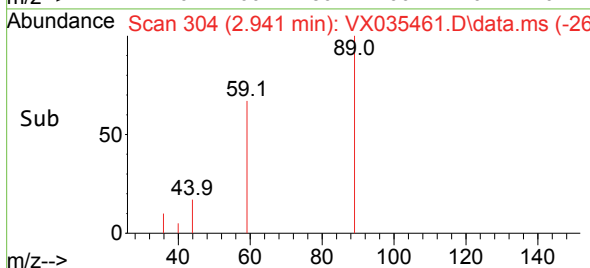
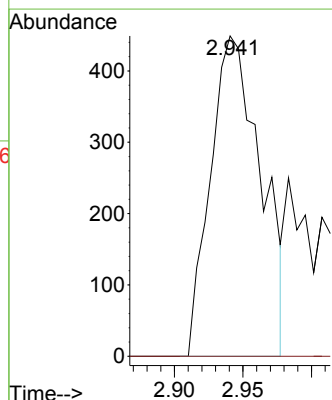
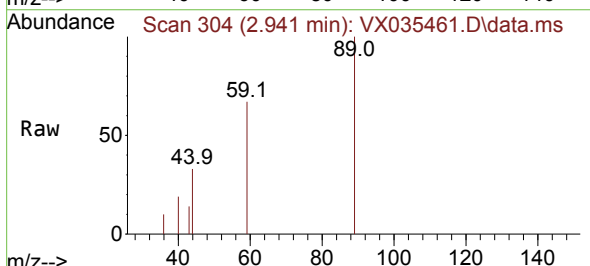
Instrument :
MSVOA_X
ClientSampleId :
GMW-1

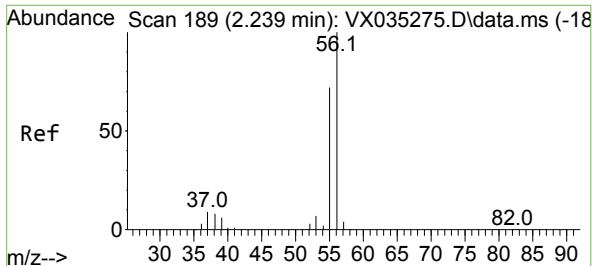
Tgt Ion: 50 Resp: 857
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 2.293 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.084 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

Tgt Ion: 59 Resp: 1151
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 0.371 ug/l

RT: 2.233 min Scan# 189

Delta R.T. -0.006 min

Lab File: VX035461.D

Acq: 02 May 2023 00:26

Instrument :

MSVOA_X

ClientSampleId :

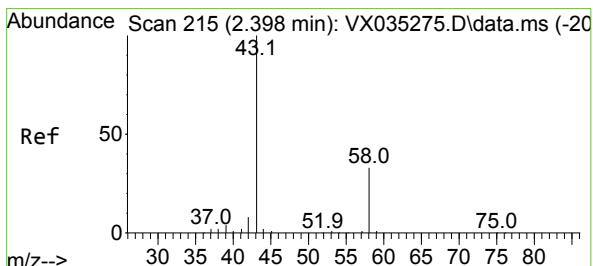
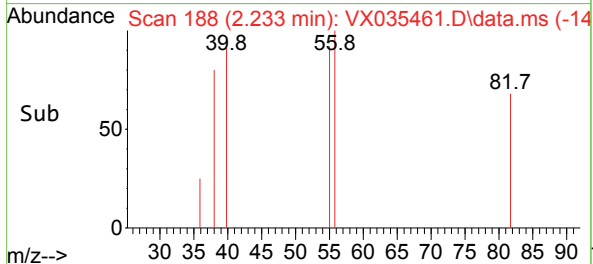
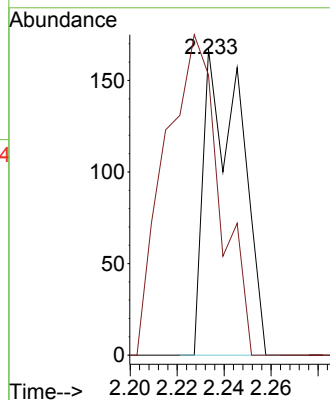
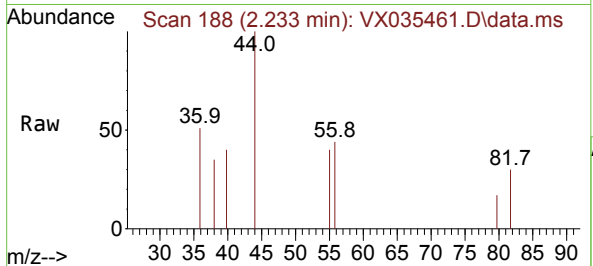
GMW-1

Tgt Ion: 56 Resp: 183

Ion Ratio Lower Upper

56 100

55 155.7 56.6 85.0#



#16

Acetone

Concen: 258.989 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX035461.D

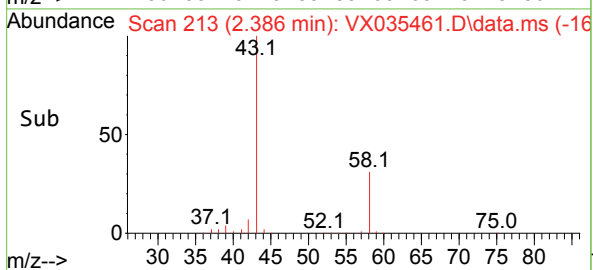
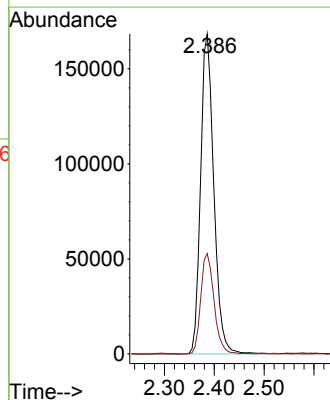
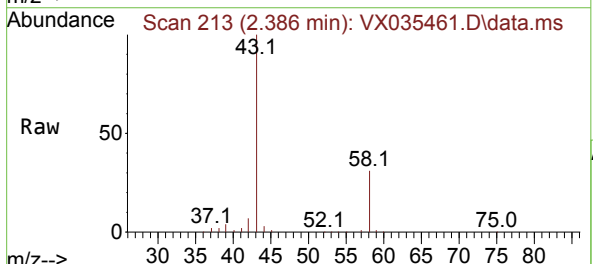
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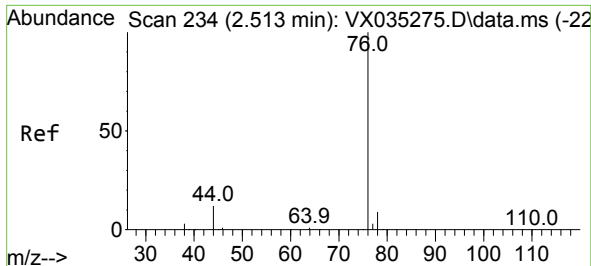
Tgt Ion: 43 Resp: 310117

Ion Ratio Lower Upper

43 100

58 31.4 24.7 37.1

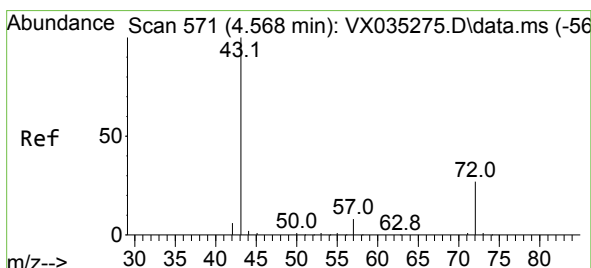
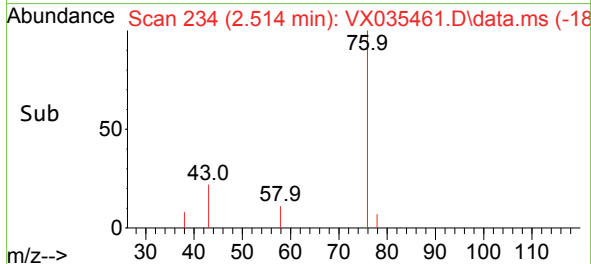
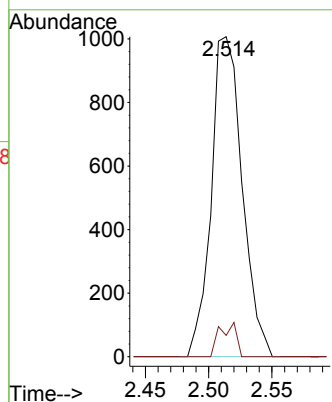
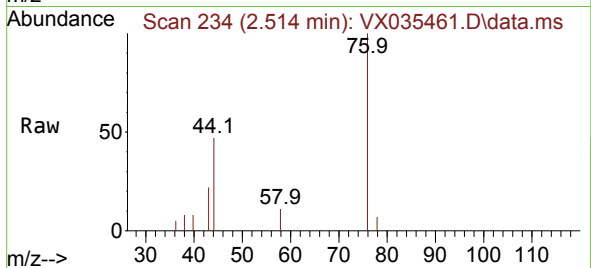




#17
Carbon Disulfide
Concen: 0.322 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

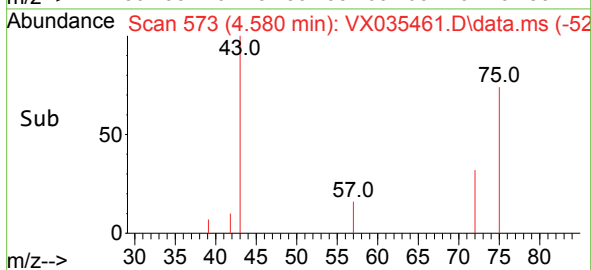
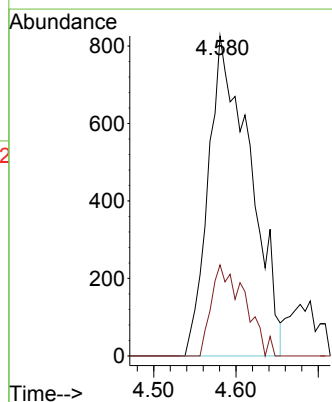
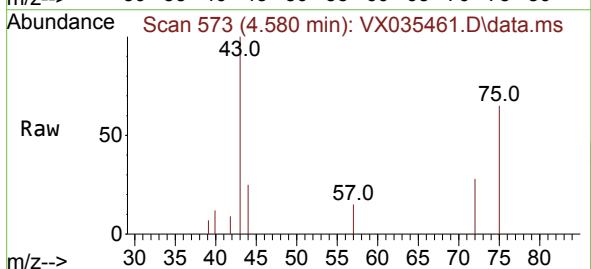
Instrument :
MSVOA_X
ClientSampleId :
GMW-1

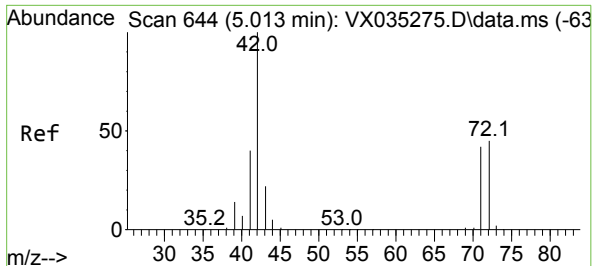
Tgt Ion: 76 Resp: 1715
Ion Ratio Lower Upper
76 100
78 6.7 7.2 10.8#



#25
2-Butanone
Concen: 1.670 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

Tgt Ion: 43 Resp: 2919
Ion Ratio Lower Upper
43 100
72 28.5 19.3 28.9





#29

Tetrahydrofuran

Concen: 0.223 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.019 min

Lab File: VX035461.D

Acq: 02 May 2023 00:26

Instrument :

MSVOA_X

ClientSampleId :

GMW-1

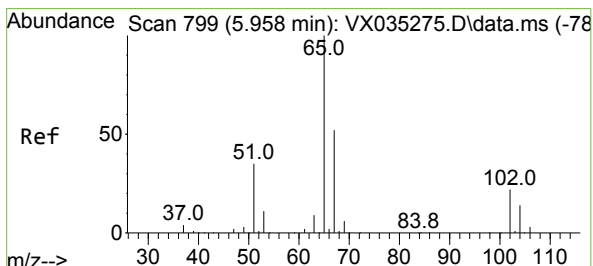
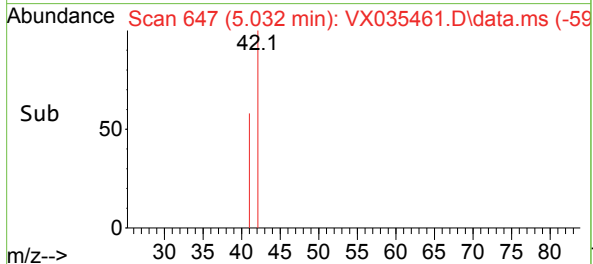
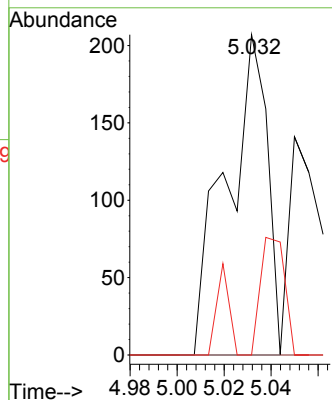
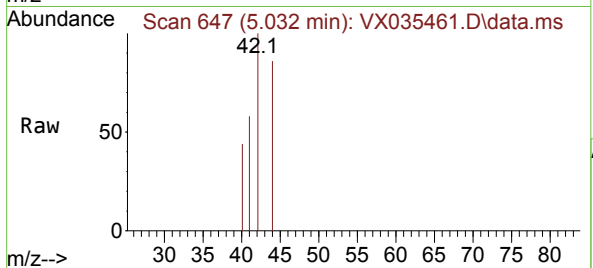
Tgt Ion: 42 Resp: 250

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 21.6 32.1 48.1#



#33

1,2-Dichloroethane-d4

Concen: 48.541 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX035461.D

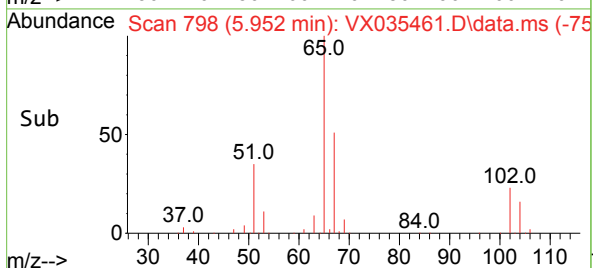
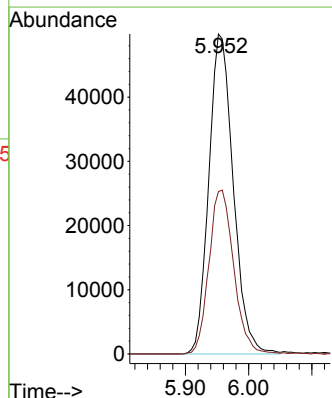
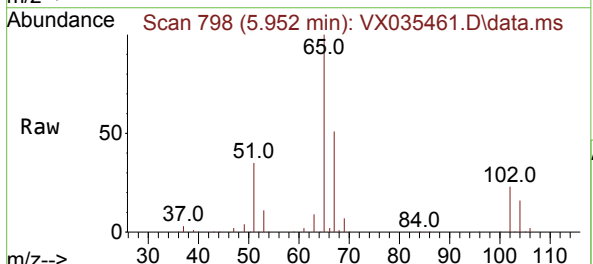
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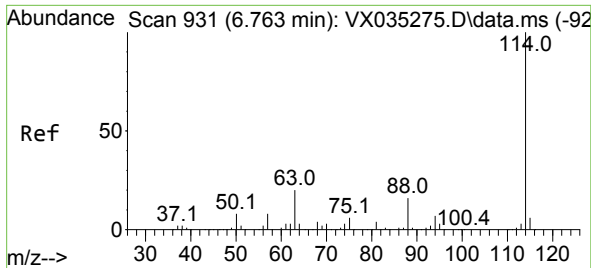
Tgt Ion: 65 Resp: 133828

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.0

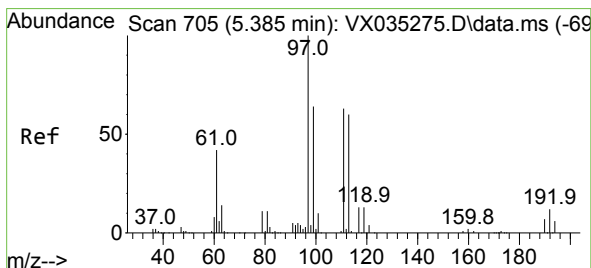
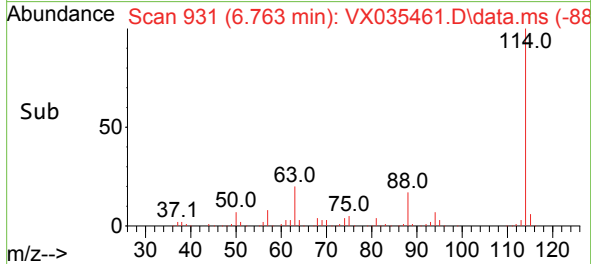
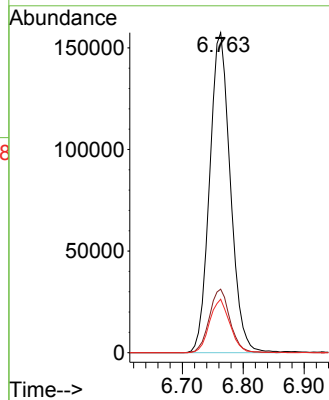
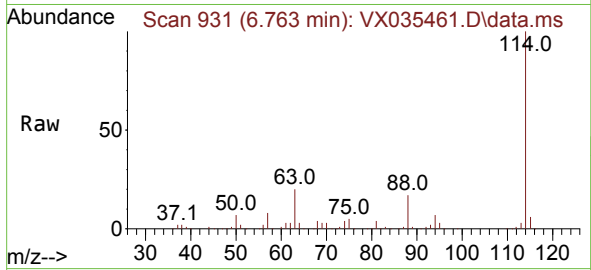




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

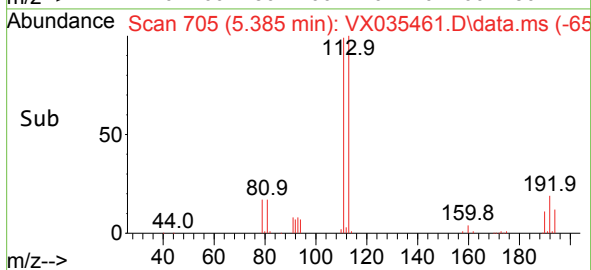
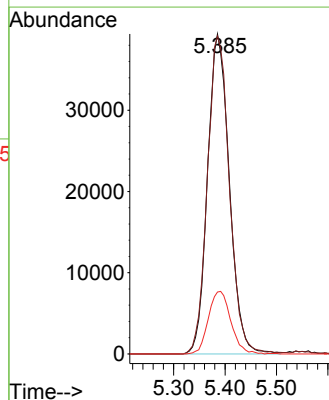
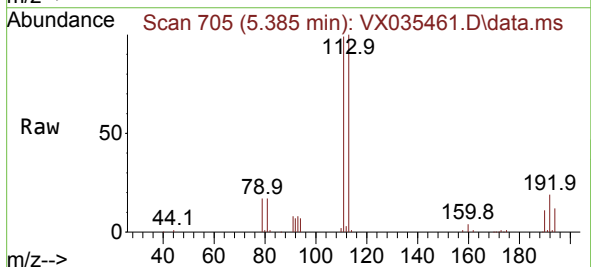
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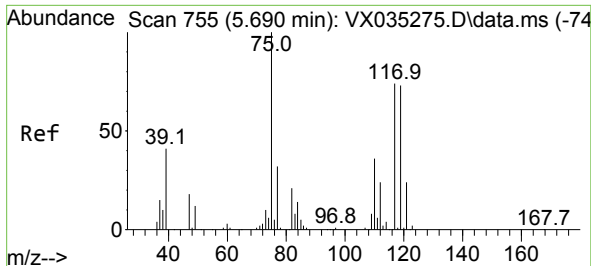
Tgt Ion:114 Resp: 372247
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.2
88 16.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 50.744 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

Tgt Ion:113 Resp: 115936
Ion Ratio Lower Upper
113 100
111 100.8 83.7 125.5
192 20.1 15.4 23.2

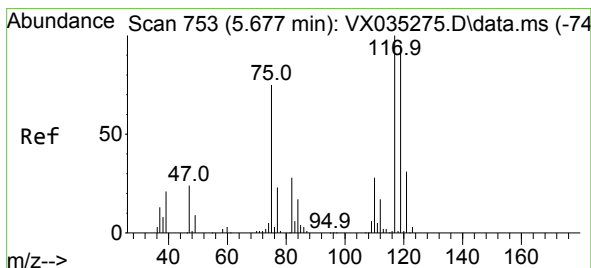
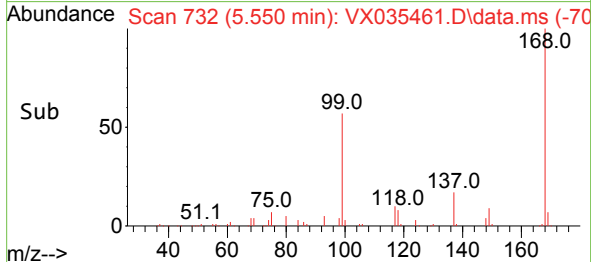
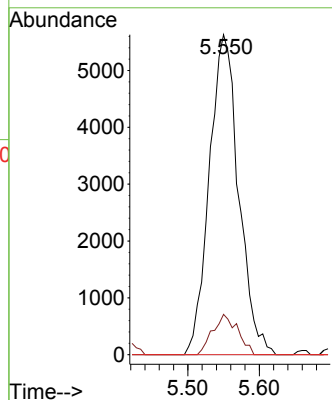
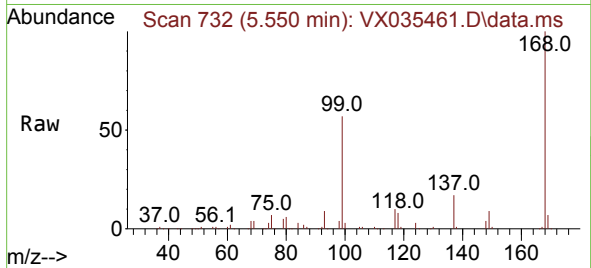




#36
1,1-Dichloropropene
Concen: 4.501 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

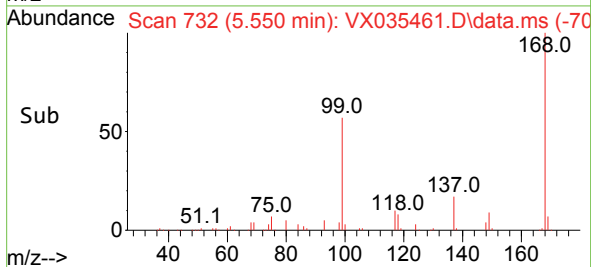
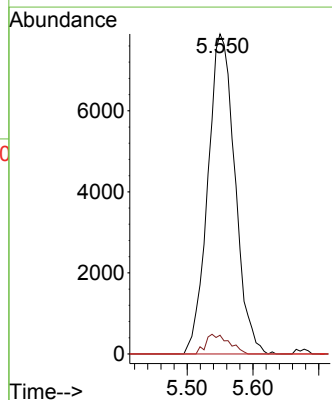
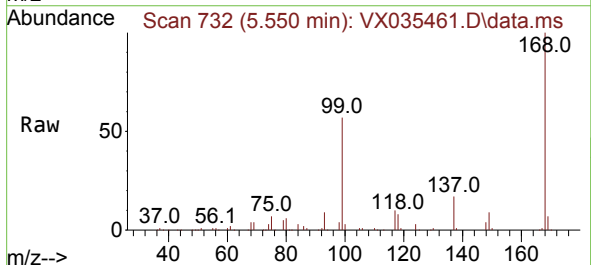
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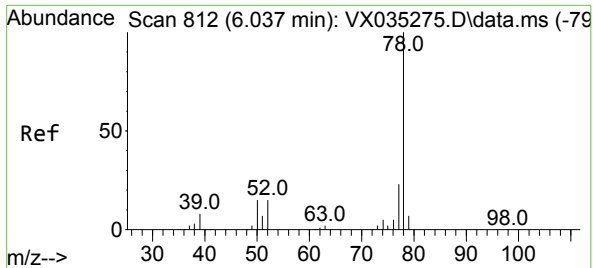
Tgt Ion: 75 Resp: 16056
Ion Ratio Lower Upper
75 100
110 10.7 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.671 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

Tgt Ion: 117 Resp: 22593
Ion Ratio Lower Upper
117 100
119 5.9 76.6 114.8#
121 0.0 23.8 35.6#

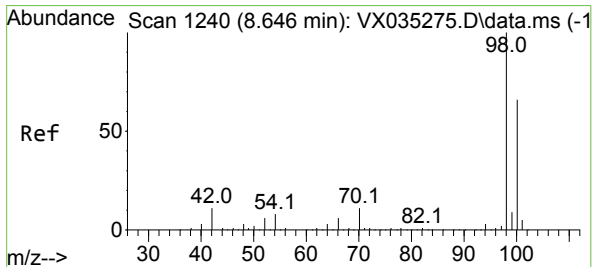
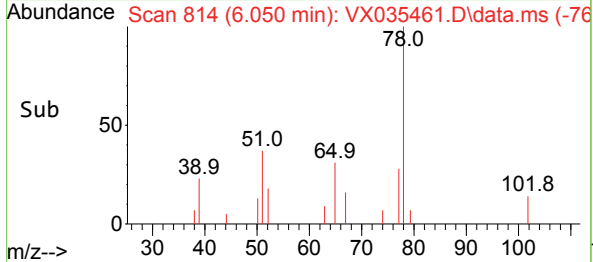
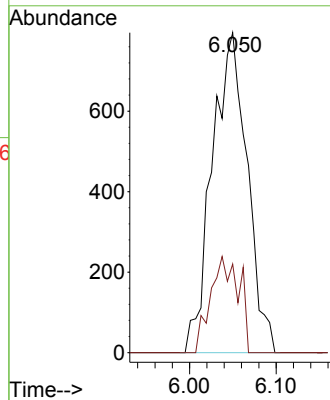
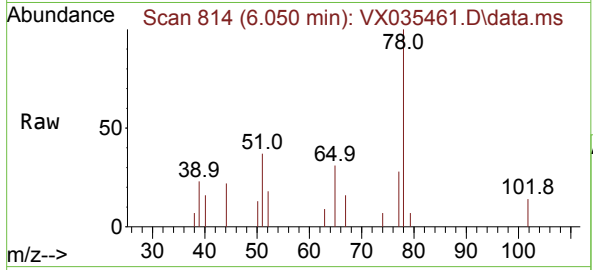




#40
Benzene
Concen: 0.218 ug/l
RT: 6.050 min Scan# 812
Delta R.T. 0.013 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

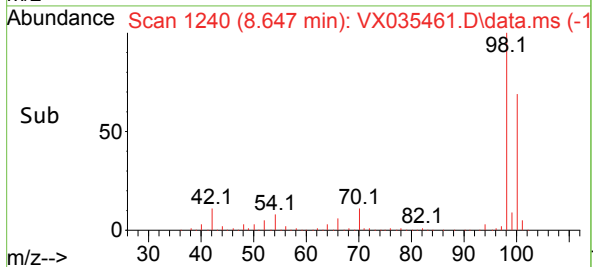
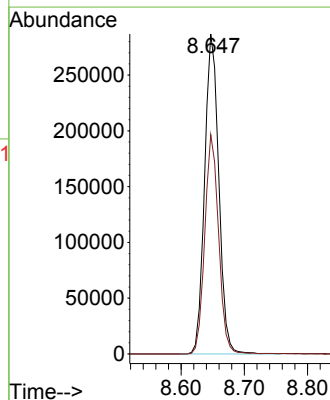
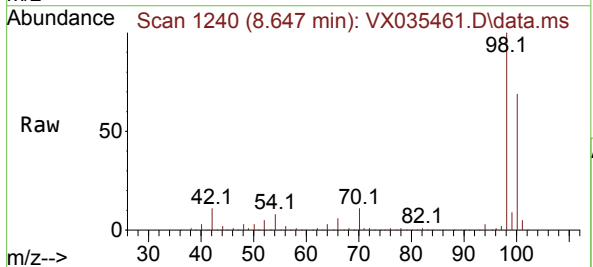
Instrument :
MSVOA_X
ClientSampleId :
GMW-1

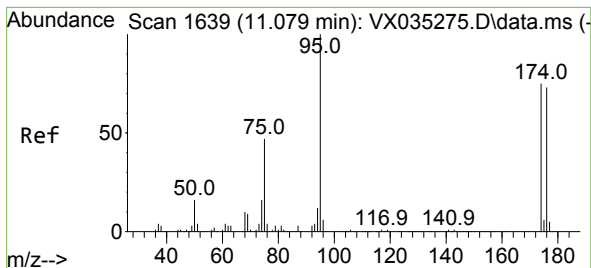
Tgt Ion: 78 Resp: 2234
Ion Ratio Lower Upper
78 100
77 27.7 19.0 28.4



#50
Toluene-d8
Concen: 51.981 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

Tgt Ion: 98 Resp: 448010
Ion Ratio Lower Upper
98 100
100 66.7 52.5 78.7

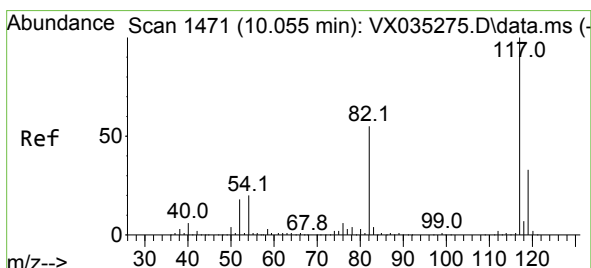
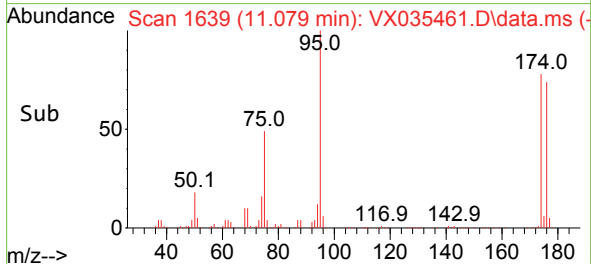
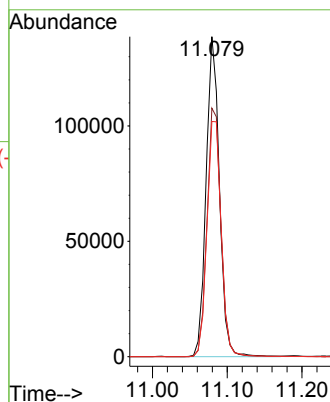
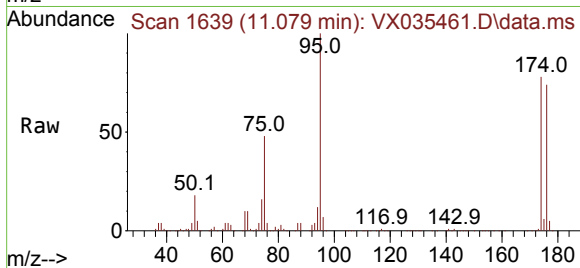




#62
4-Bromofluorobenzene
Concen: 52.849 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

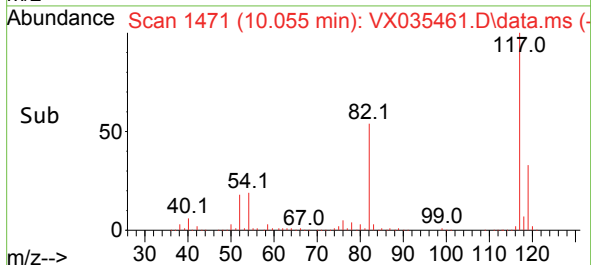
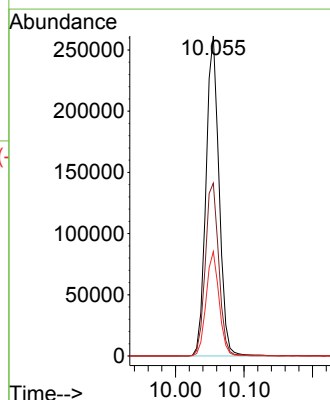
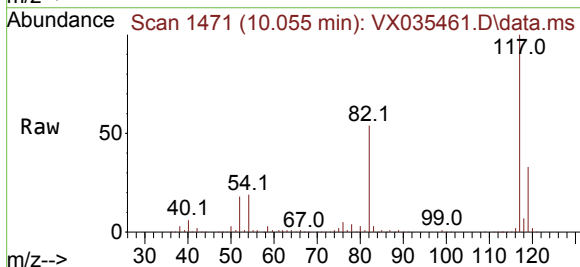
Instrument :
MSVOA_X
ClientSampleId :
GMW-1

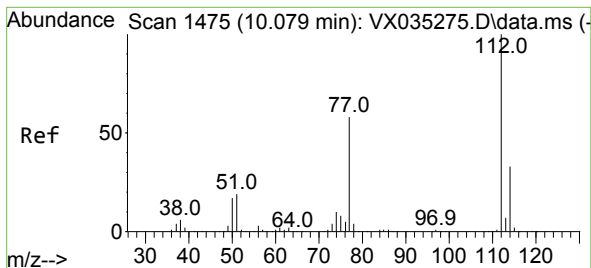
Tgt Ion: 95 Resp: 171349
Ion Ratio Lower Upper
95 100
174 81.4 0.0 147.4
176 79.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

Tgt Ion: 117 Resp: 347203
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 32.6 26.0 39.0

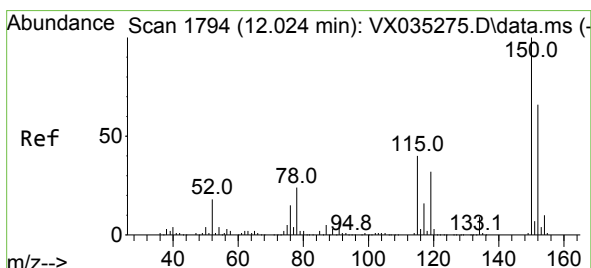
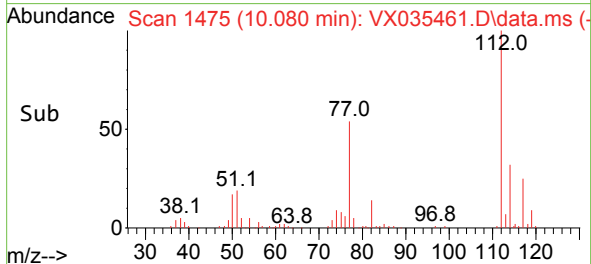
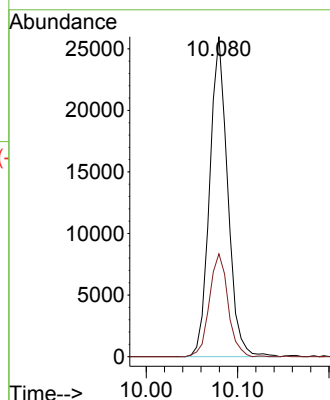
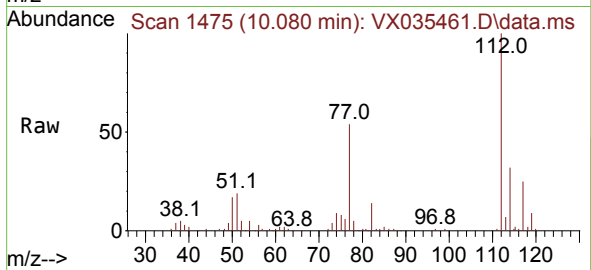




#65
Chlorobenzene
Concen: 4.723 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.001 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

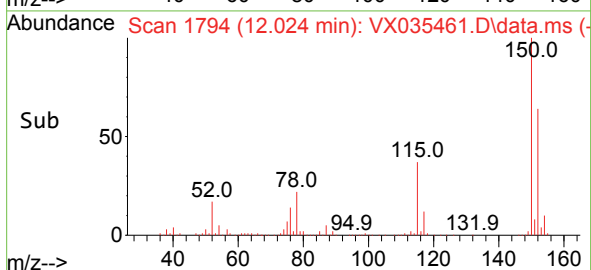
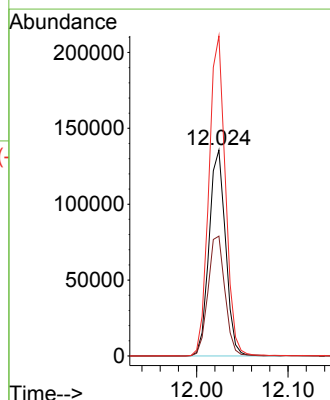
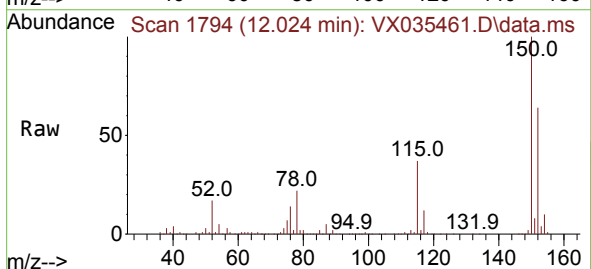
Instrument :
MSVOA_X
ClientSampleId :
GMW-1

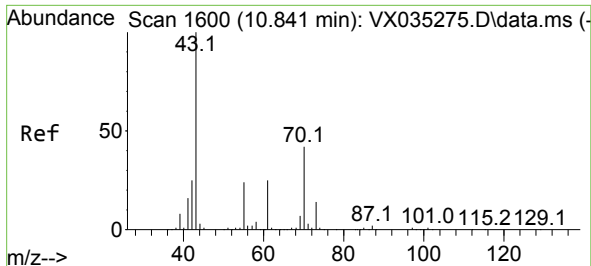
Tgt Ion:112 Resp: 35476
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

Tgt Ion:152 Resp: 170109
Ion Ratio Lower Upper
152 100
115 59.8 45.0 135.0
150 155.7 0.0 352.4

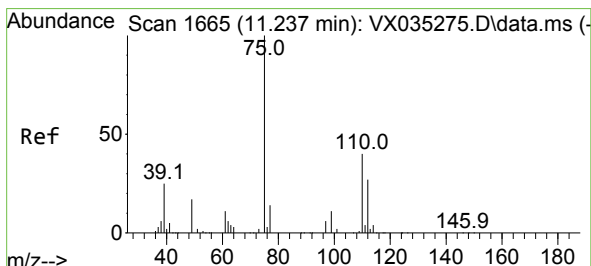
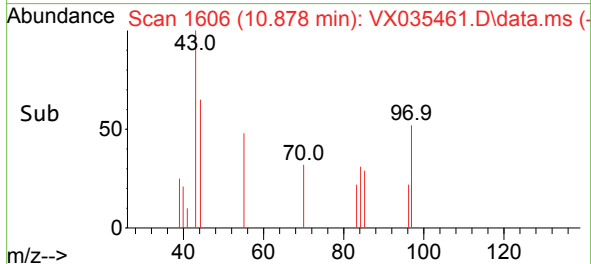
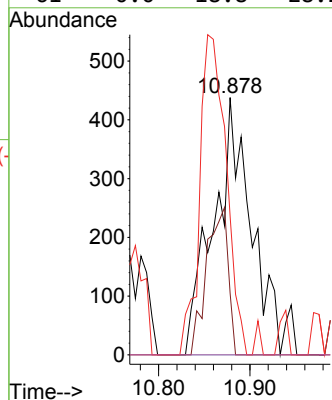
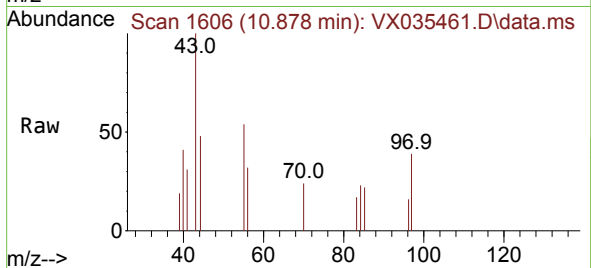




#74
N-amy1 acetate
Concen: 0.266 ug/l
RT: 10.878 min Scan# 1606
Delta R.T. 0.037 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

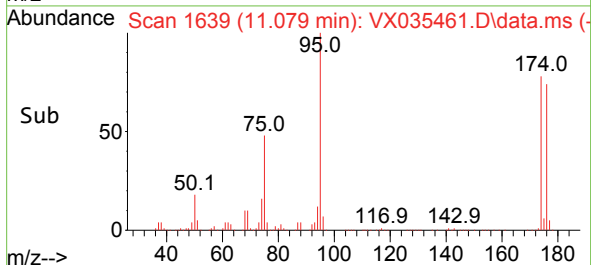
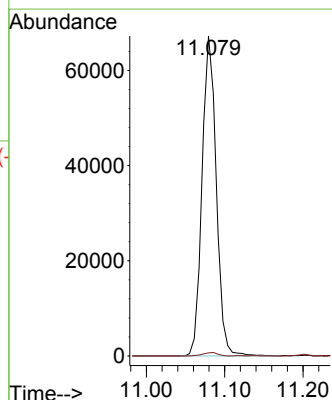
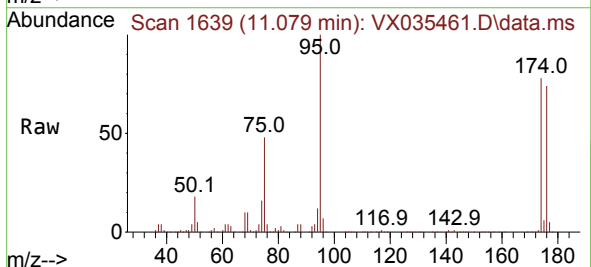
Instrument :
MSVOA_X
ClientSampleId :
GMW-1

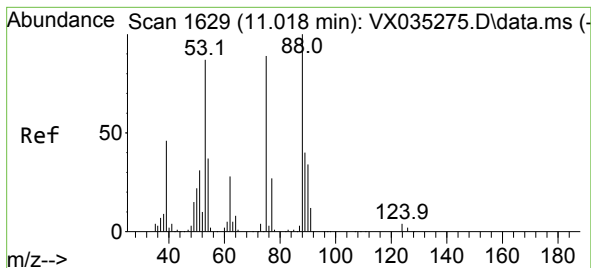
Tgt Ion: 43	Resp: 1241
Ion Ratio	Lower Upper
43 100	
70 33.0	32.1 48.1
55 0.0	18.3 27.5#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 24.975 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035461.D
Acq: 02 May 2023 00:26

Tgt Ion: 75	Resp: 84747
Ion Ratio	Lower Upper
75 100	
77 1.1	21.6 64.8#

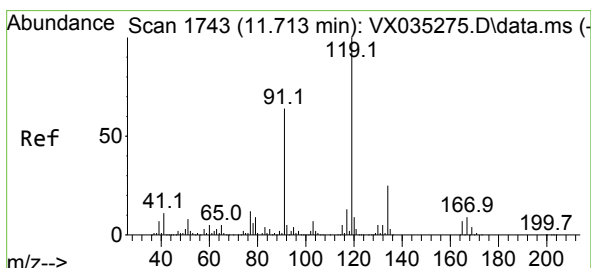
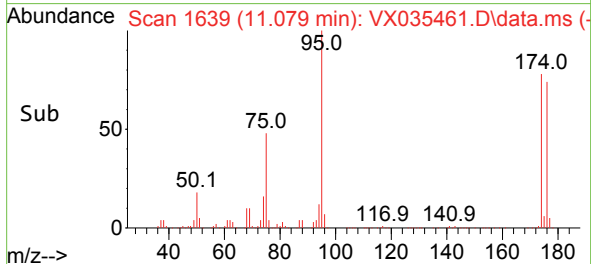
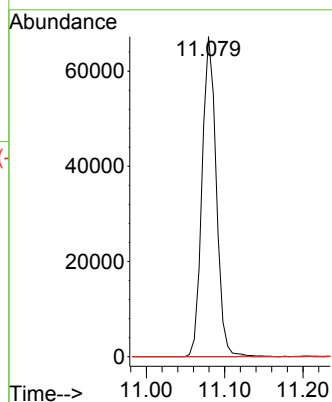
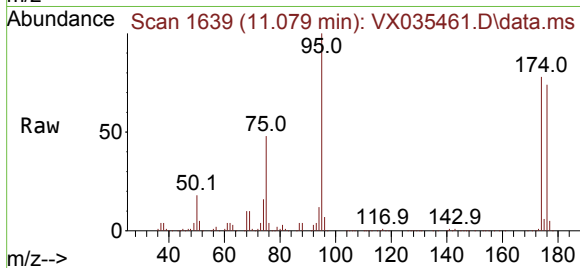




#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.889 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX035461.D
 Acq: 02 May 2023 00:26

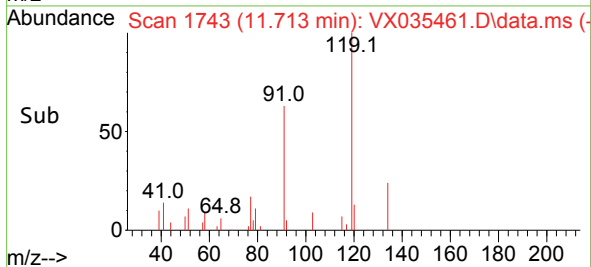
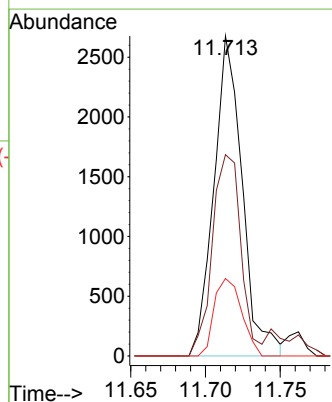
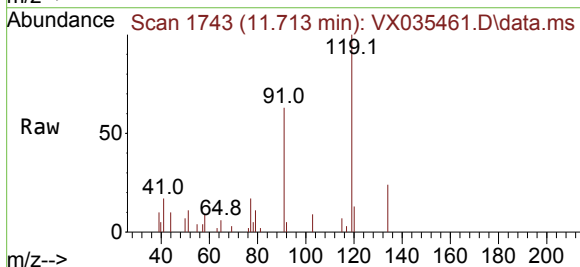
Instrument :
 MSVOA_X
 ClientSampleId :
 GMW-1

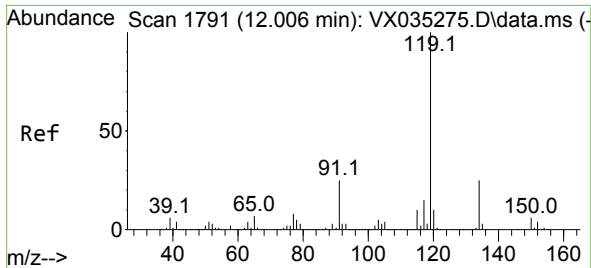
Tgt Ion: 75 Resp: 84747
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#



#83
 tert-Butylbenzene
 Concen: 0.336 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX035461.D
 Acq: 02 May 2023 00:26

Tgt Ion: 119 Resp: 3532
 Ion Ratio Lower Upper
 119 100
 91 63.7 30.6 92.0
 134 23.4 11.8 35.4

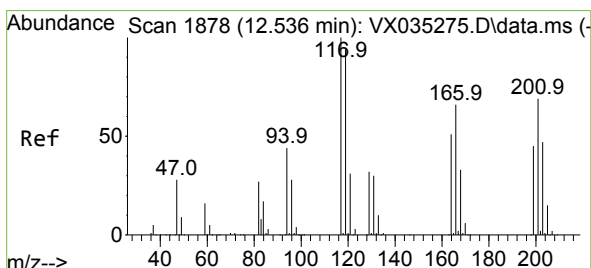
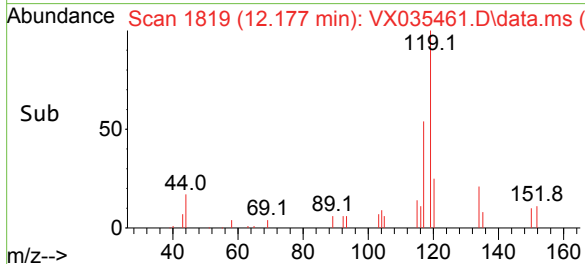
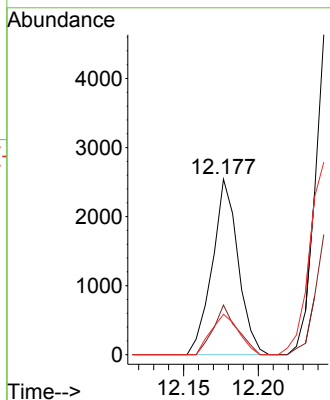
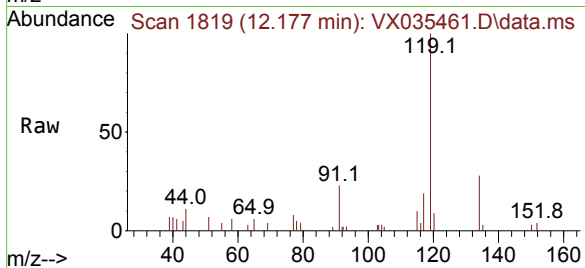




#86
 p-Isopropyltoluene
 Concen: 0.279 ug/l
 RT: 12.177 min Scan# 1819
 Delta R.T. 0.171 min
 Lab File: VX035461.D
 Acq: 02 May 2023 00:26

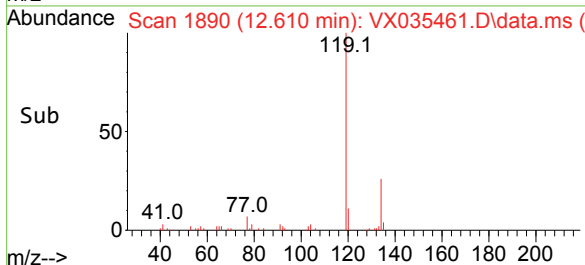
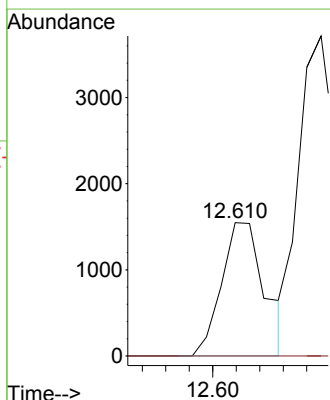
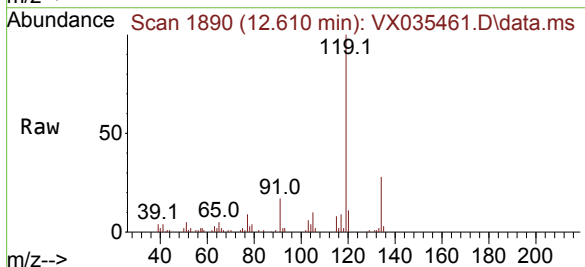
Instrument :
 MSVOA_X
 ClientSampleId :
 GMW-1

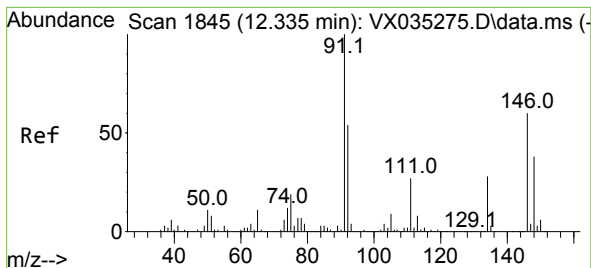
Tgt Ion:119 Resp: 3057
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.2 39.5
 91 24.7 12.9 38.7



#90
 Hexachloroethane
 Concen: 1.180 ug/l
 RT: 12.610 min Scan# 1890
 Delta R.T. 0.074 min
 Lab File: VX035461.D
 Acq: 02 May 2023 00:26

Tgt Ion:117 Resp: 1983
 Ion Ratio Lower Upper
 117 100
 201 0.0 34.4 103.1#





#91

1,2-Dichlorobenzene

Concen: 0.281 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX035461.D

Acq: 02 May 2023 00:26

Instrument :

MSVOA_X

ClientSampleId :

GMW-1

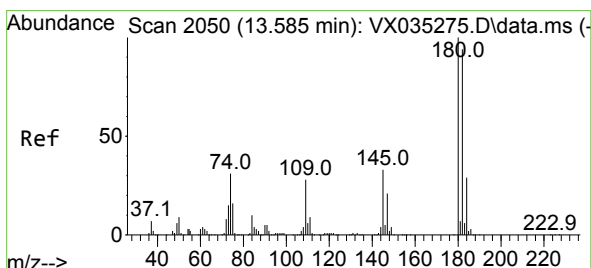
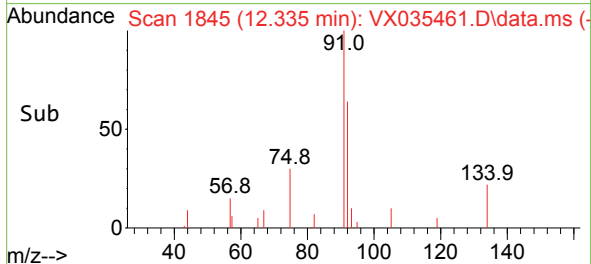
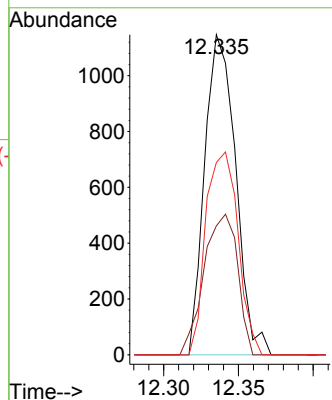
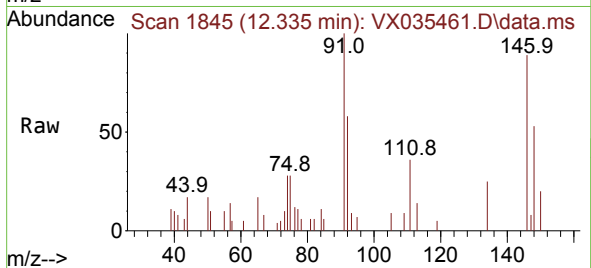
Tgt Ion:146 Resp: 1649

Ion Ratio Lower Upper

146 100

111 47.7 22.0 66.0

148 66.0 32.0 96.0



#93

1,2,4-Trichlorobenzene

Concen: 0.283 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035461.D

Acq: 02 May 2023 00:26

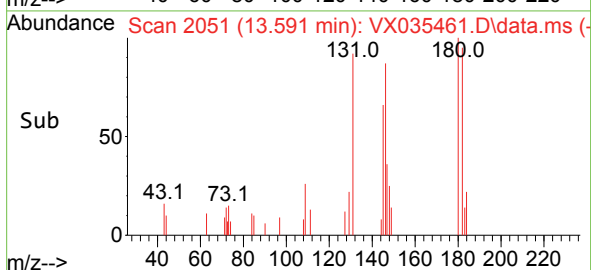
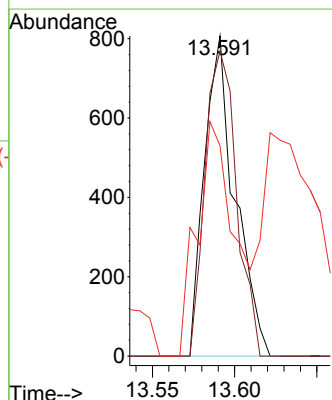
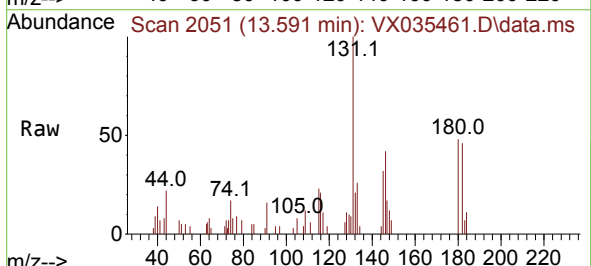
Tgt Ion:180 Resp: 1044

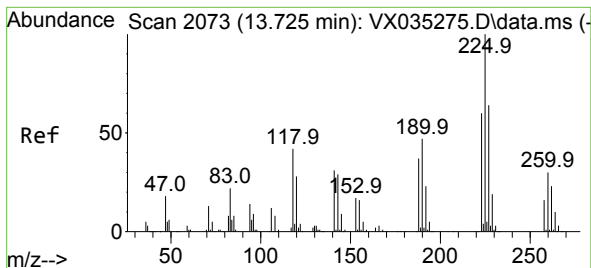
Ion Ratio Lower Upper

180 100

182 98.1 47.0 141.0

145 89.0 15.9 47.7#





#94

Hexachlorobutadiene

Concen: 0.677 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX035461.D

Acq: 02 May 2023 00:26

Instrument :

MSVOA_X

ClientSampleId :

GMW-1

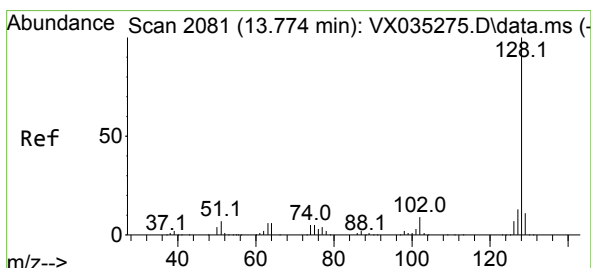
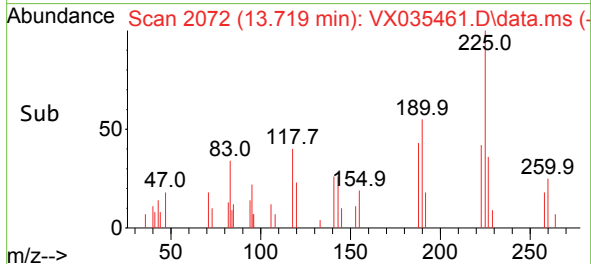
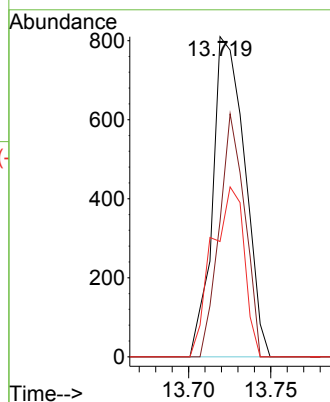
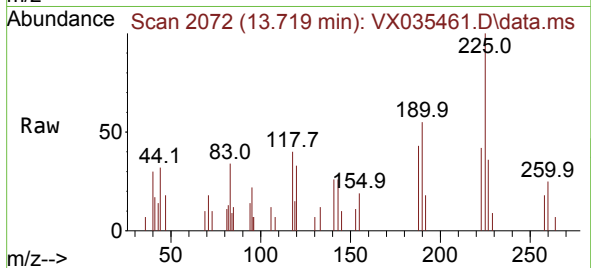
Tgt Ion:225 Resp: 1098

Ion Ratio Lower Upper

225 100

223 60.2 32.1 96.5

227 53.1 31.8 95.4



#95

Naphthalene

Concen: 0.563 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX035461.D

Acq: 02 May 2023 00:26

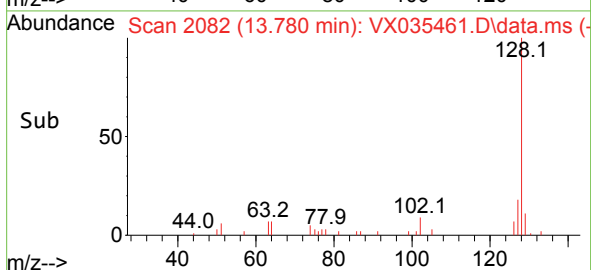
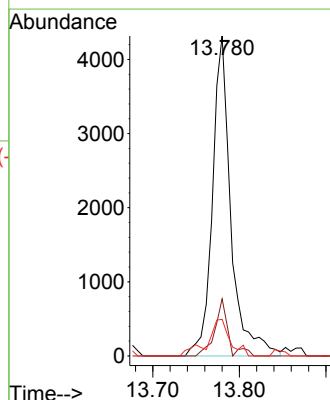
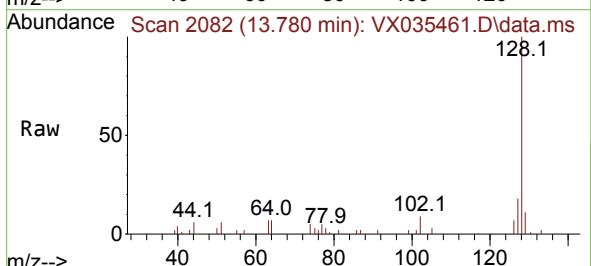
Tgt Ion:128 Resp: 6395

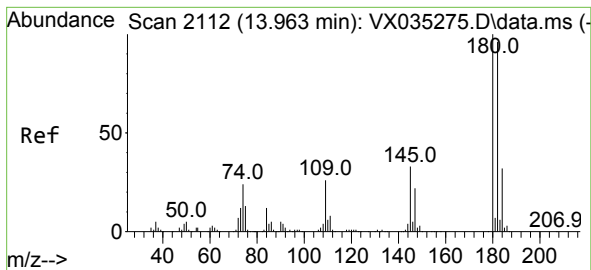
Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.4

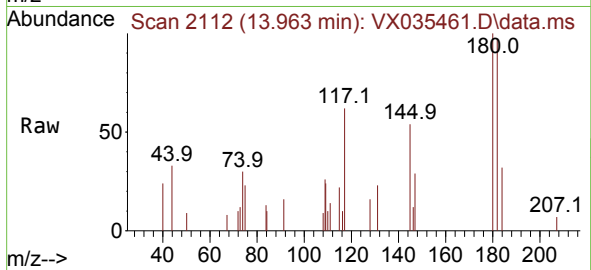
129 13.8 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.275 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX035461.D
 Acq: 02 May 2023 00:26

Instrument :
 MSVOA_X
 ClientSampleId :
 GMW-1



Tgt Ion:180 Resp: 1024
 Ion Ratio Lower Upper
 180 100
 182 92.5 48.0 144.2
 145 68.9 17.7 53.1#

