

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
 Data File : VX036734.D
 Acq On : 31 Jul 2023 20:47
 Operator : JC/MD
 Sample : 03850-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWBR-04-475-500-073123

Quant Time: Aug 01 04:43:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

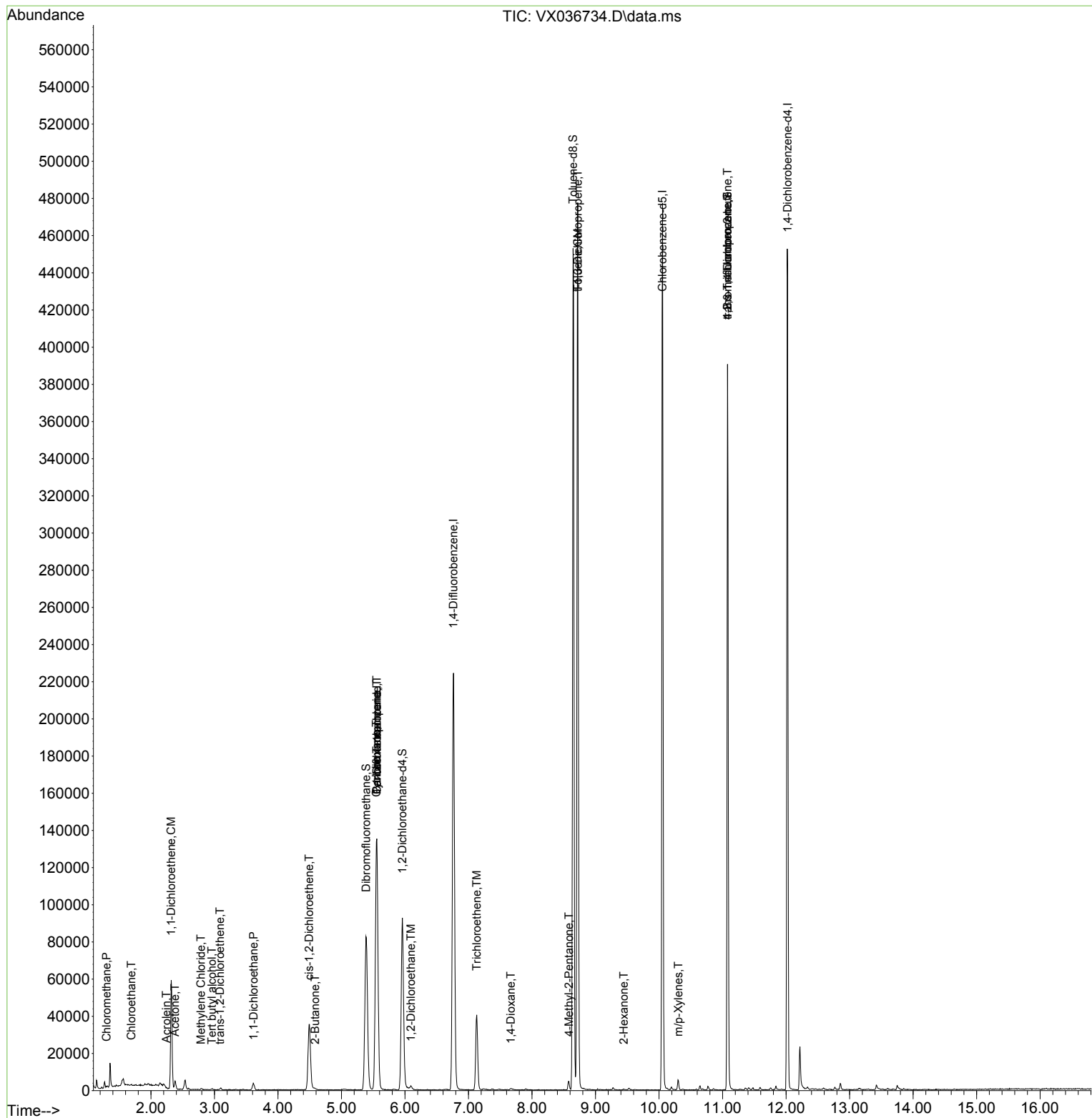
Internal Standards						
1) Pentafluorobenzene	5.556	168	127808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86152	45.556	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.120%		
35) Dibromofluoromethane	5.385	113	73918	46.912	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.820%		
50) Toluene-d8	8.647	98	275032	49.221	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.440%		
62) 4-Bromofluorobenzene	11.079	95	102271	48.513	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.020%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	570	0.371	ug/l #	77
6) Chloroethane	1.691	64	457	0.601	ug/l	91
11) Tert butyl alcohol	2.959	59	438	0.978	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	19313	13.495	ug/l	90
13) Acrolein	2.239	56	97	0.380	ug/l #	14
16) Acetone	2.380	43	4572	5.826	ug/l #	85
20) Methylene Chloride	2.788	84	360	0.206	ug/l #	77
21) trans-1,2-Dichloroethene	3.087	96	335	0.209	ug/l #	63
24) 1,1-Dichloroethane	3.617	63	4007	1.336	ug/l	95
25) 2-Butanone	4.587	43	1395	1.096	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	22958	12.085	ug/l	83
31) Cyclohexane	5.550	56	3198	1.221	ug/l #	14
36) 1,1-Dichloropropene	5.556	75	10556	4.495	ug/l #	51
38) Carbon Tetrachloride	5.556	117	13322	5.336	ug/l #	14
42) 1,2-Dichloroethane	6.092	62	2127	0.851	ug/l	97
44) Trichloroethene	7.129	130	15911	8.909	ug/l	99
49) 1,4-Dioxane	7.665	88	503	11.701	ug/l #	90
51) 4-Methyl-2-Pentanone	8.580	43	3101	1.225	ug/l	99
52) Toluene	8.720	92	180452	42.148	ug/l	97
53) t-1,3-Dichloropropene	8.720	75	2256	0.762	ug/l #	1
59) 2-Hexanone	9.445	43	479	0.255	ug/l	86
68) m/p-Xylenes	10.305	106	1308	0.412	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	53582	24.064	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	53582	54.543	ug/l #	5

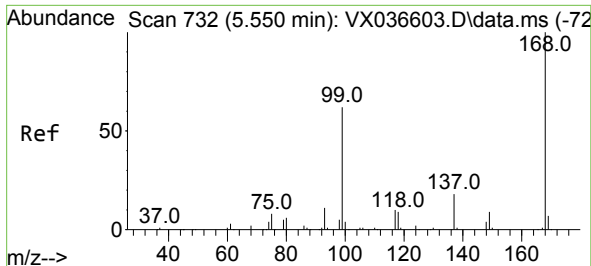
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
Data File : VX036734.D
Acq On : 31 Jul 2023 20:47
Operator : JC/MD
Sample : 03850-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-475-500-073123

Quant Time: Aug 01 04:43:09 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

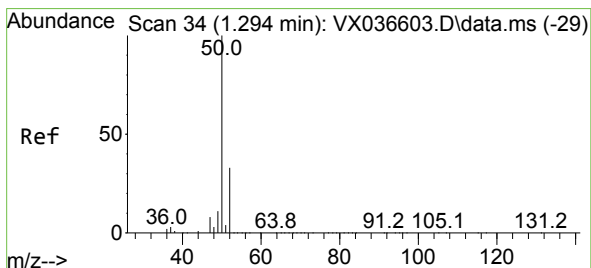
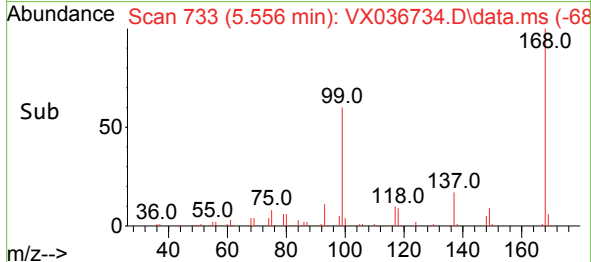
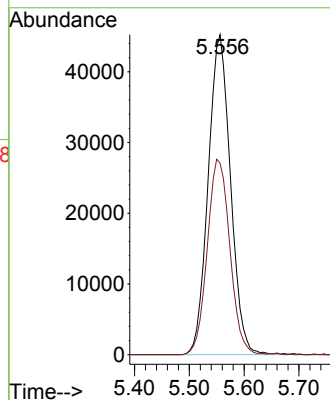
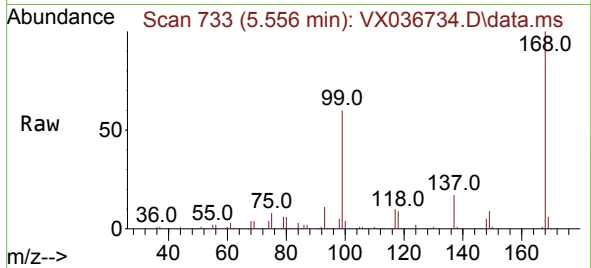




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

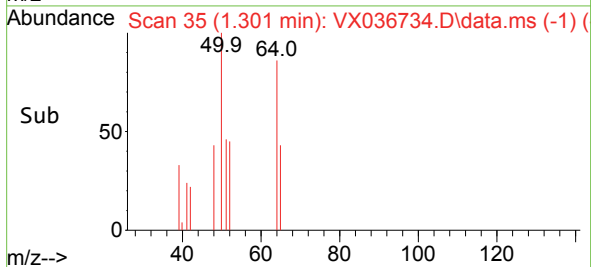
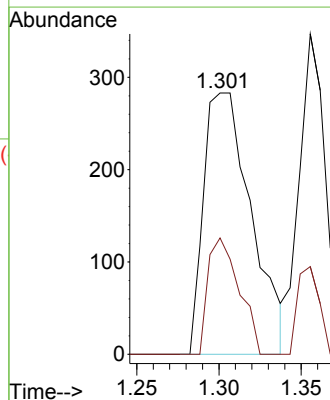
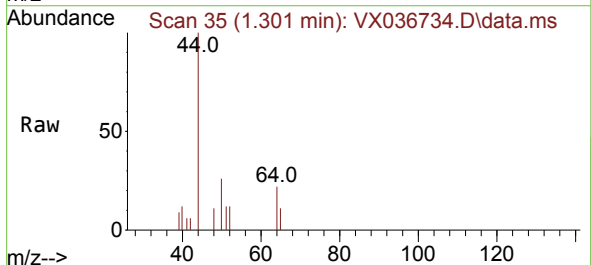
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-475-500-073123

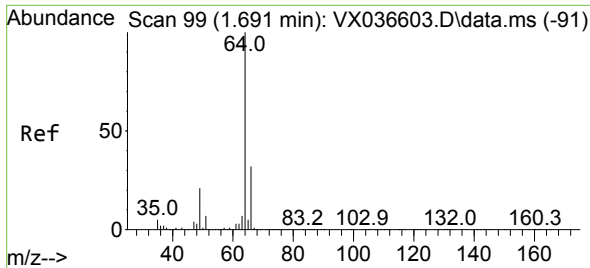
Tgt Ion:168 Resp: 127808
Ion Ratio Lower Upper
168 100
99 59.9 56.6 85.0



#3
Chloromethane
Concen: 0.371 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Tgt Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 44.5 25.5 38.3#

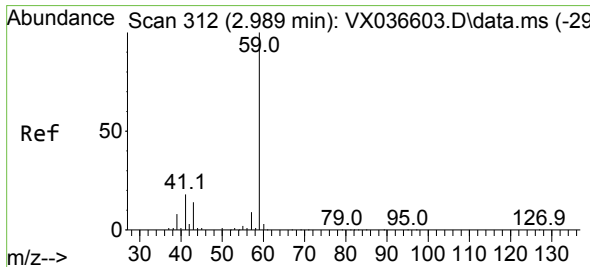
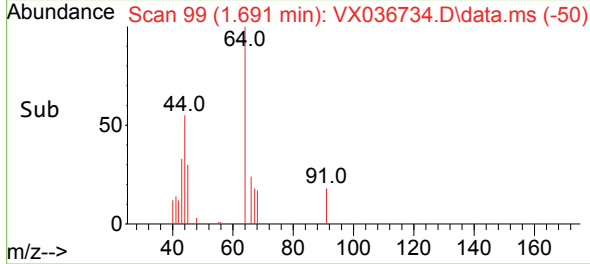
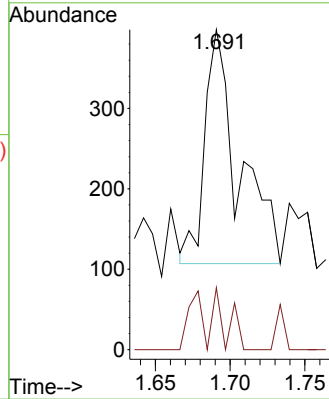
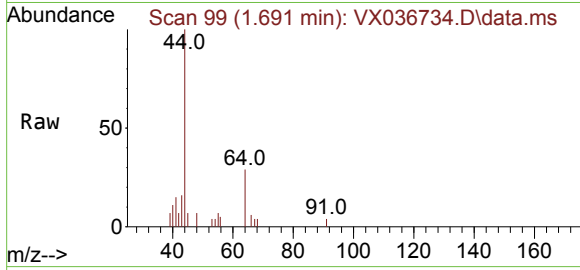




#6
Chloroethane
Concen: 0.601 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

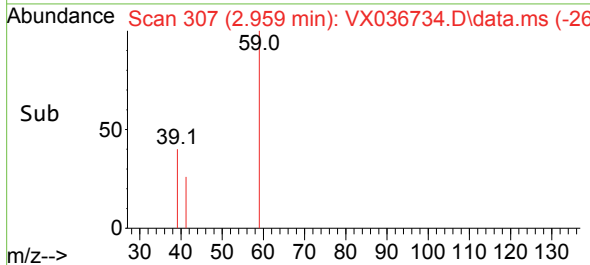
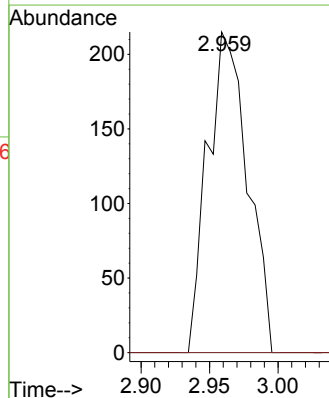
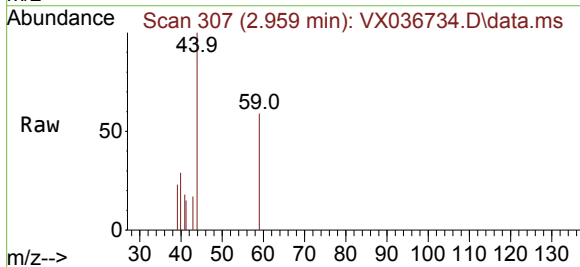
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-475-500-073123

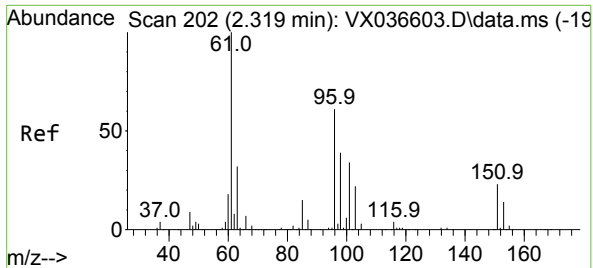
Tgt Ion: 64 Resp: 457
Ion Ratio Lower Upper
64 100
66 26.5 25.1 37.7



#11
Tert butyl alcohol
Concen: 0.978 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Tgt Ion: 59 Resp: 438
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

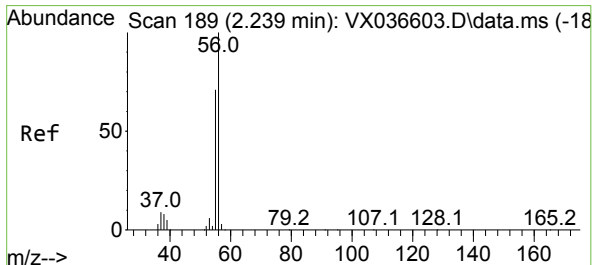
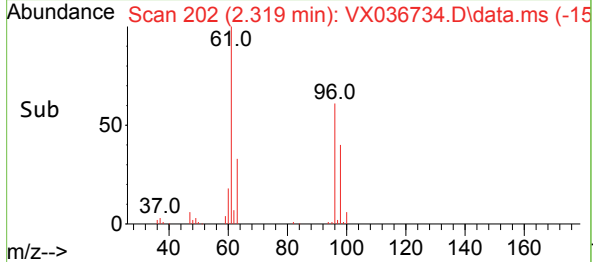
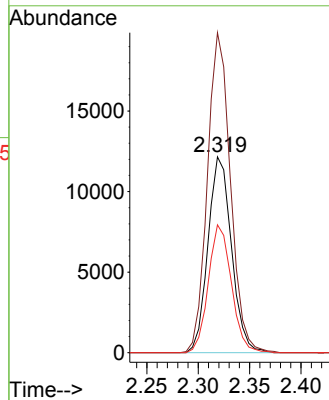
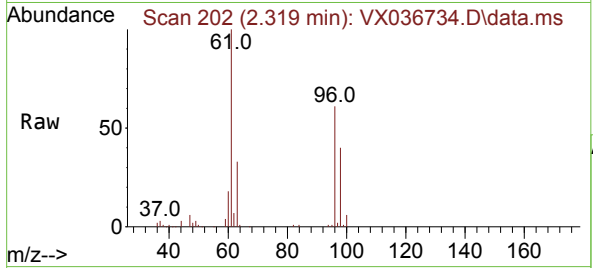




#12
1,1-Dichloroethene
Concen: 13.495 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

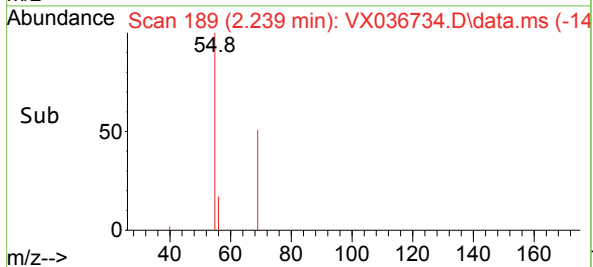
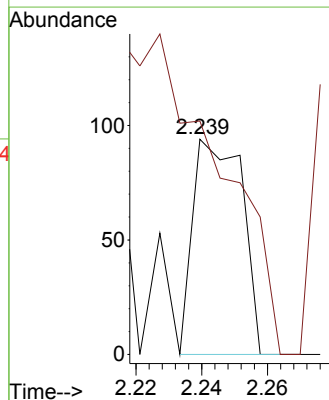
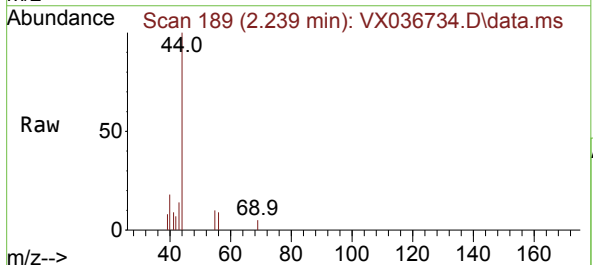
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-475-500-073123

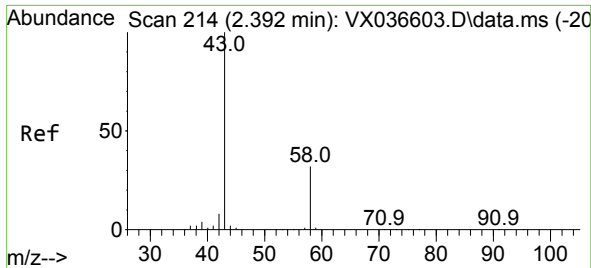
Tgt Ion: 96 Resp: 19313
Ion Ratio Lower Upper
96 100
61 163.4 144.6 216.8
98 65.3 50.4 75.6



#13
Acrolein
Concen: 0.380 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Tgt Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

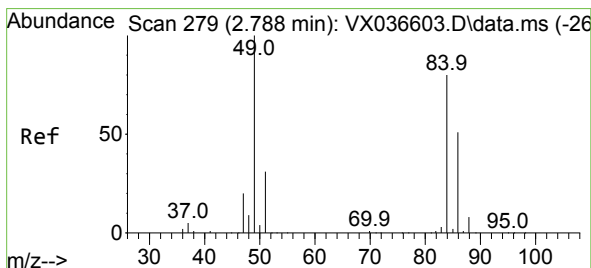
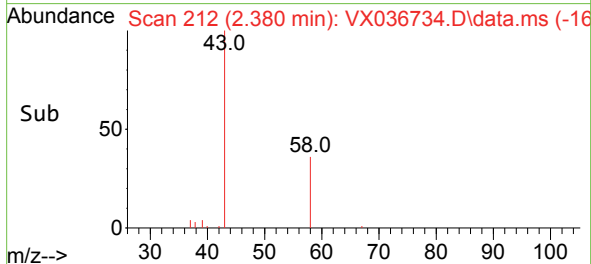
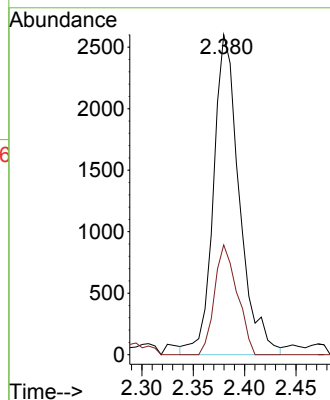
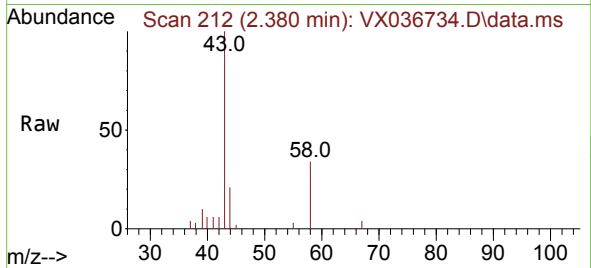




#16
Acetone
Concen: 5.826 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

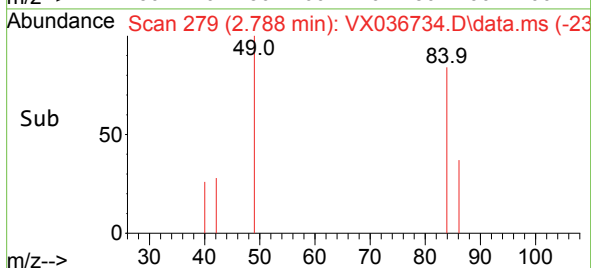
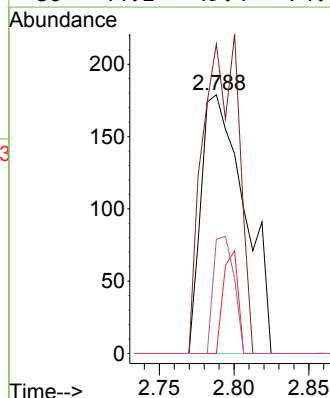
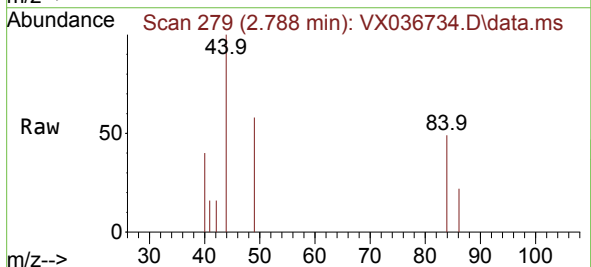
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-475-500-073123

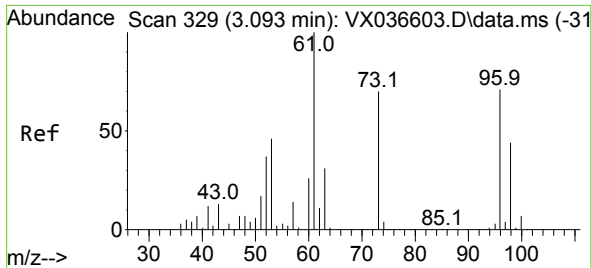
Tgt Ion: 43 Resp: 4572
Ion Ratio Lower Upper
43 100
58 35.1 21.9 32.9#



#20
Methylene Chloride
Concen: 0.206 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Tgt Ion: 84 Resp: 360
Ion Ratio Lower Upper
84 100
49 119.6 103.6 155.4
51 0.0 33.8 50.6#
86 44.1 49.4 74.0#

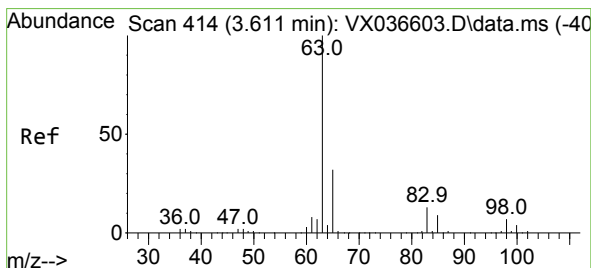
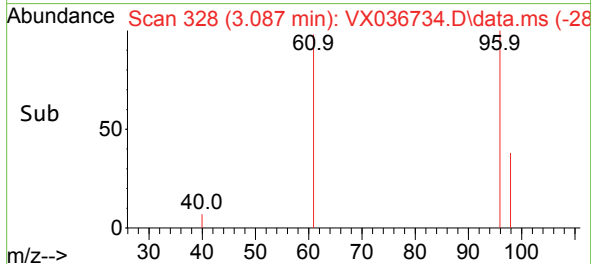
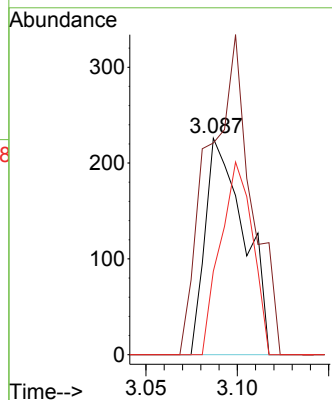
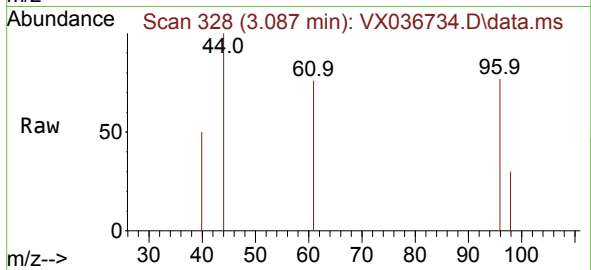




#21
trans-1,2-Dichloroethene
Concen: 0.209 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

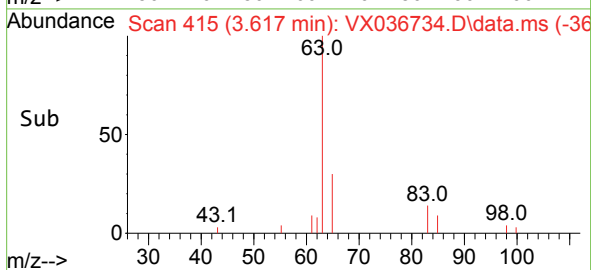
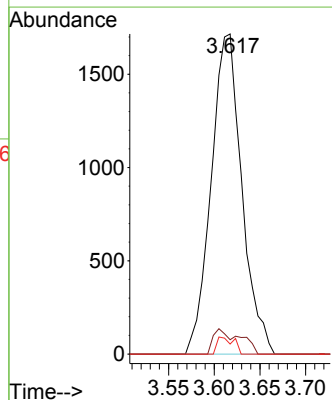
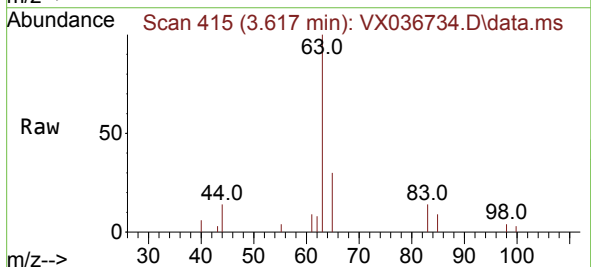
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-475-500-073123

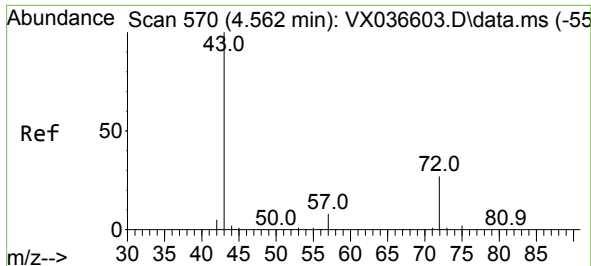
Tgt Ion: 96 Resp: 335
Ion Ratio Lower Upper
96 100
61 97.8 119.2 178.8#
98 38.5 48.7 73.1#



#24
1,1-Dichloroethane
Concen: 1.336 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Tgt Ion: 63 Resp: 4007
Ion Ratio Lower Upper
63 100
98 4.5 3.3 9.8
100 3.1 2.1 6.5

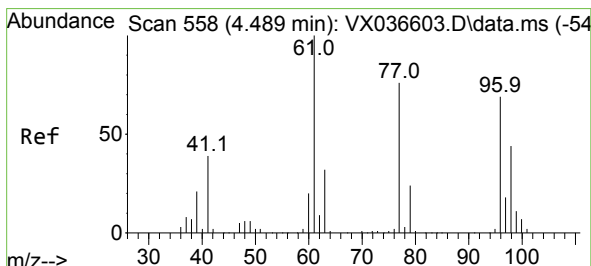
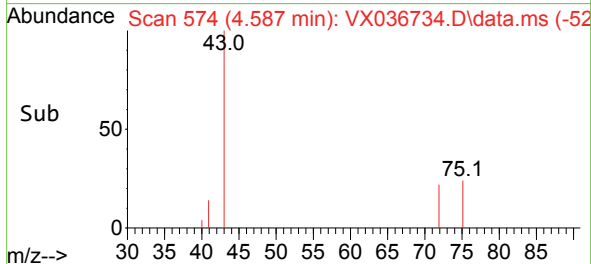
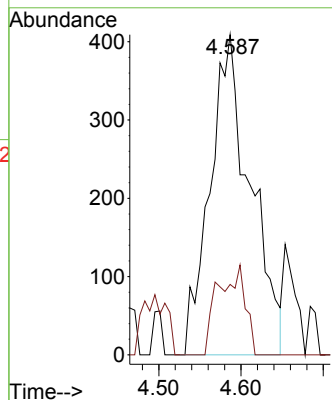
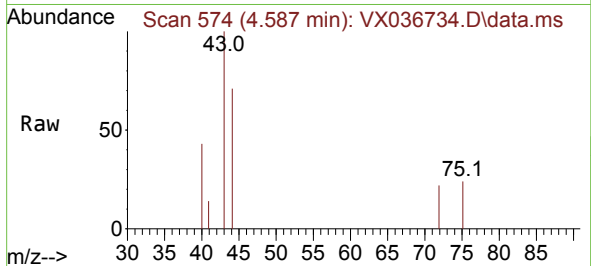




#25
2-Butanone
Concen: 1.096 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

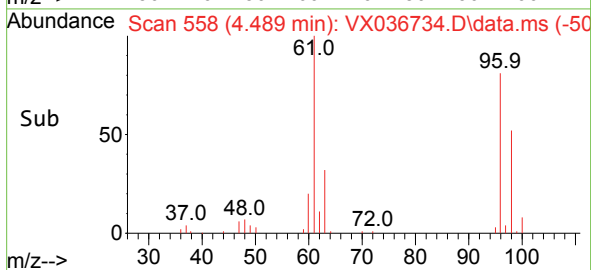
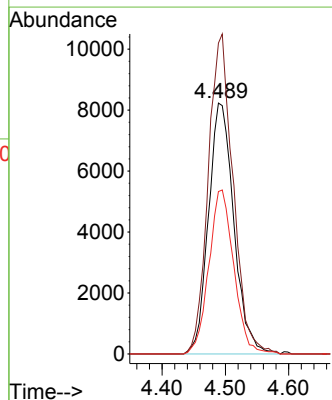
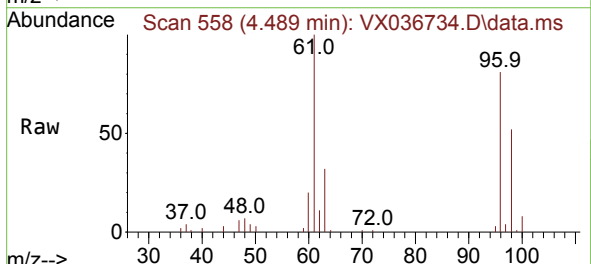
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-475-500-073123

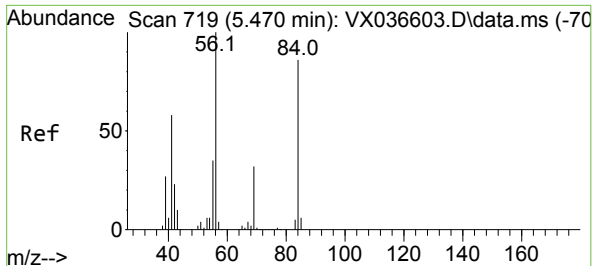
Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
72 22.0 19.4 29.2



#27
cis-1,2-Dichloroethene
Concen: 12.085 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

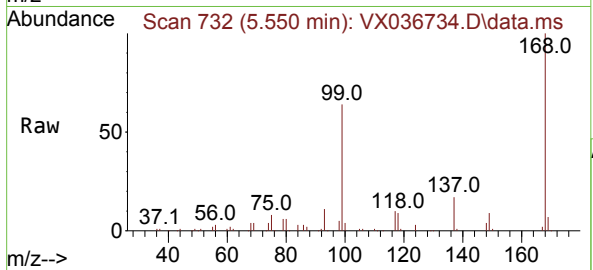
Tgt Ion: 96 Resp: 22958
Ion Ratio Lower Upper
96 100
61 124.8 0.0 312.2
98 64.3 0.0 129.0



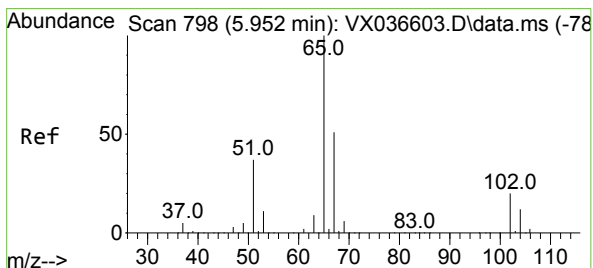
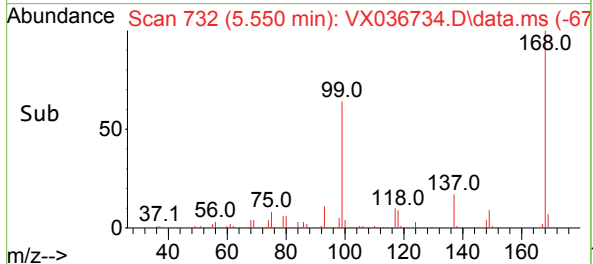
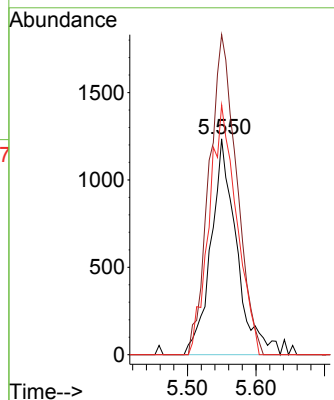


#31
Cyclohexane
Concen: 1.221 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-475-500-073123

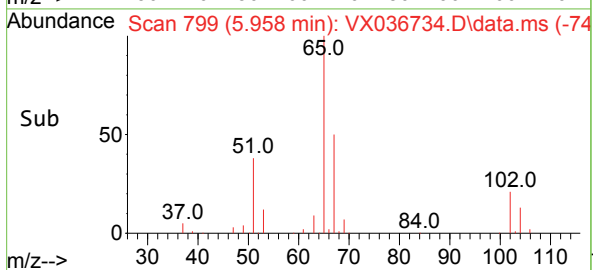
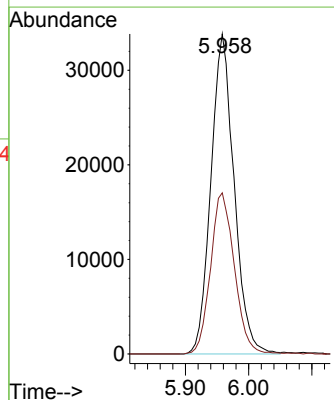
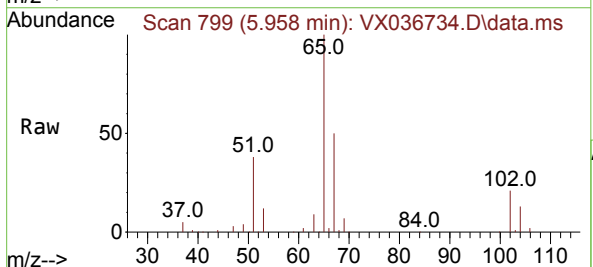


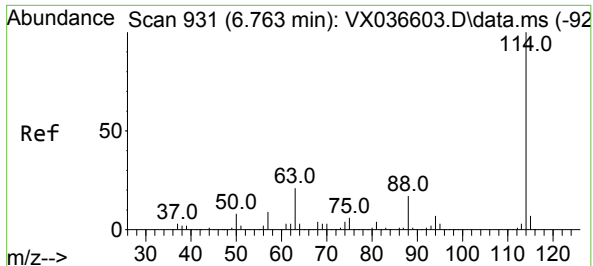
Tgt Ion: 56 Resp: 3198
Ion Ratio Lower Upper
56 100
69 148.3 23.4 35.2#
84 115.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.556 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Tgt Ion: 65 Resp: 86152
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2

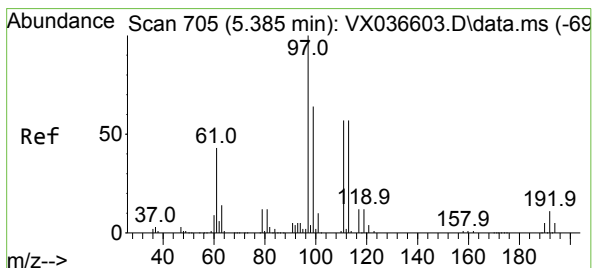
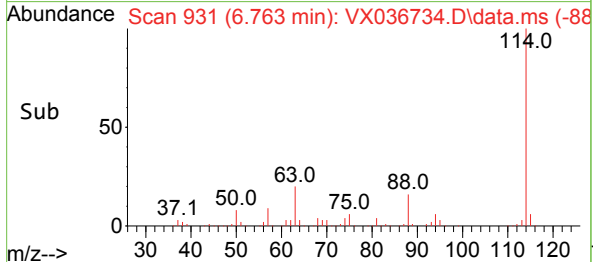
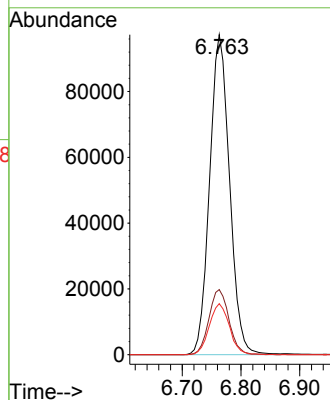
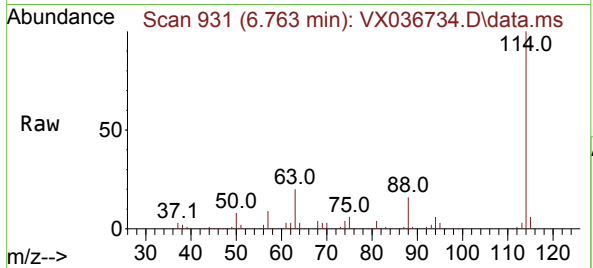




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

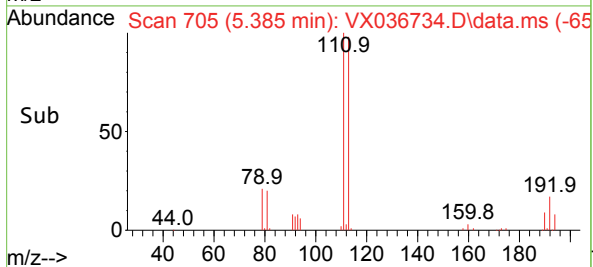
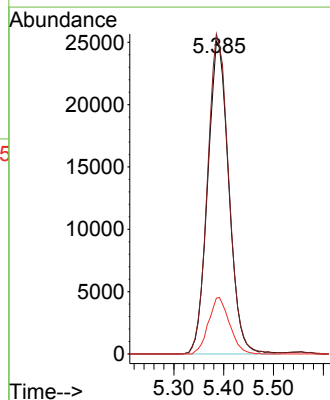
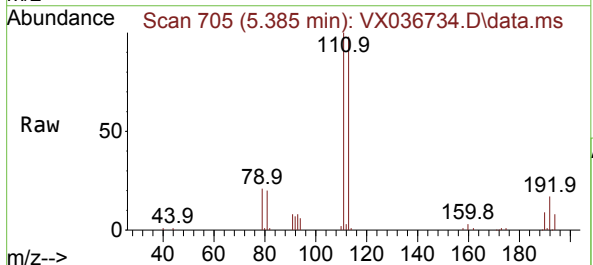
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-475-500-073123

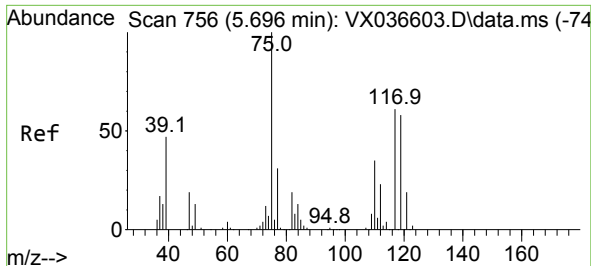
Tgt Ion:114 Resp: 229240
Ion Ratio Lower Upper
114 100
63 20.4 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.912 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Tgt Ion:113 Resp: 73918
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 17.9 13.3 19.9

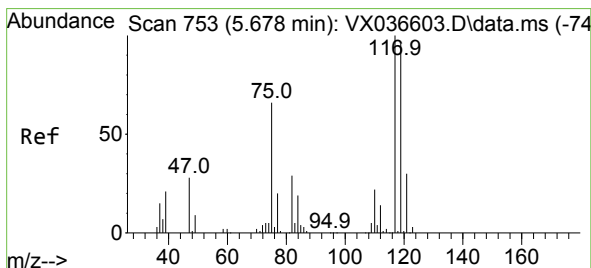
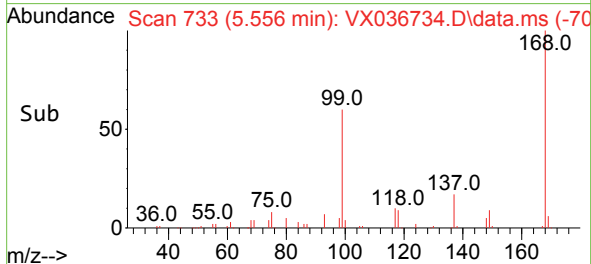
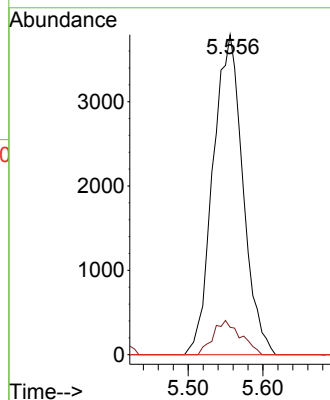
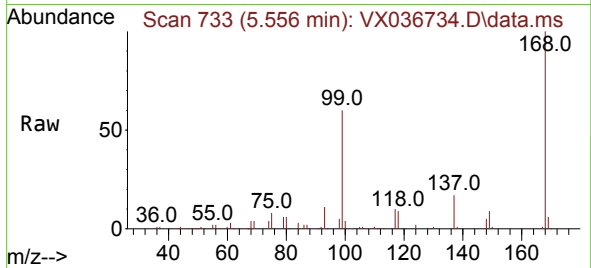




#36
1,1-Dichloropropene
Concen: 4.495 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

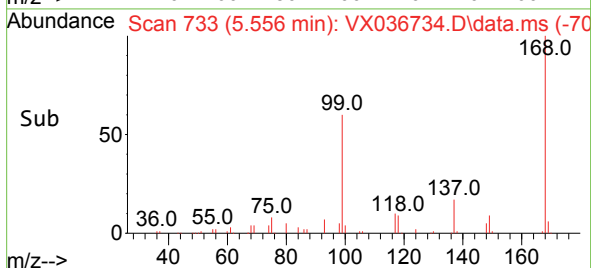
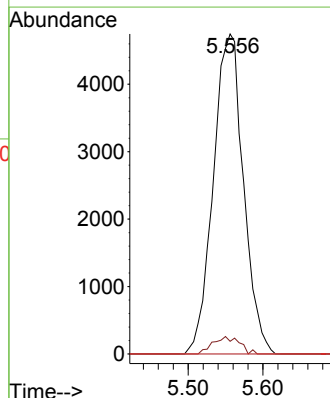
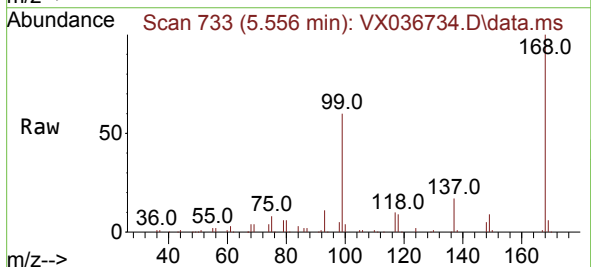
Instrument :
MSVOA_X
ClientSampleId :
GWRB-04-475-500-073123

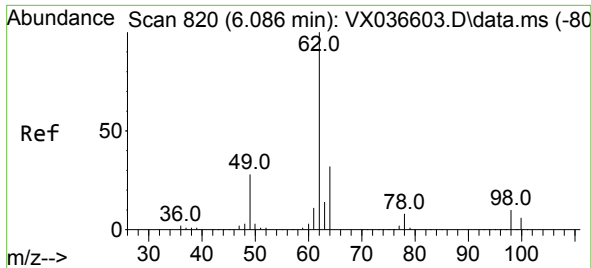
Tgt Ion: 75 Resp: 10556
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.336 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Tgt Ion: 117 Resp: 13322
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.851 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX036734.D

Acq: 31 Jul 2023 20:47

Instrument :

MSVOA_X

ClientSampleId :

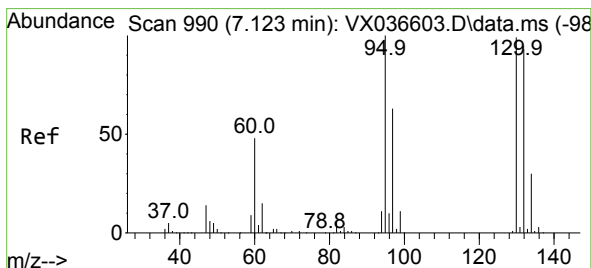
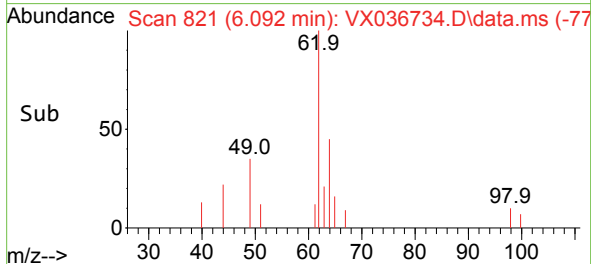
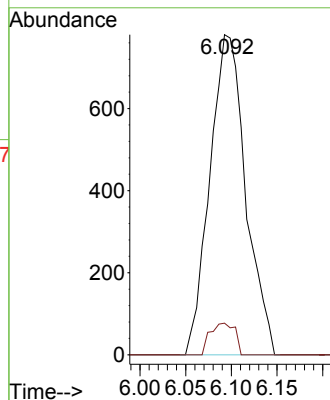
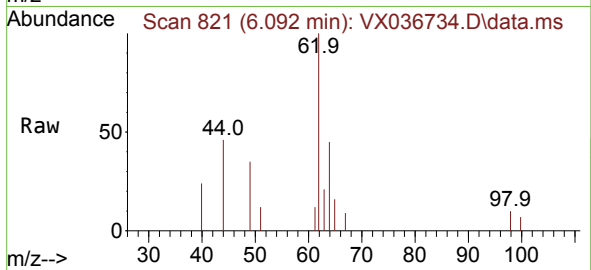
GWBR-04-475-500-073123

Tgt Ion: 62 Resp: 2127

Ion Ratio Lower Upper

62 100

98 6.9 0.0 16.0



#44

Trichloroethene

Concen: 8.909 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX036734.D

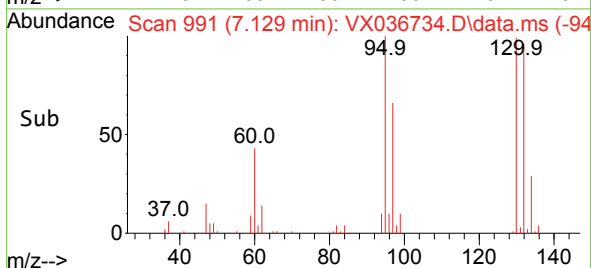
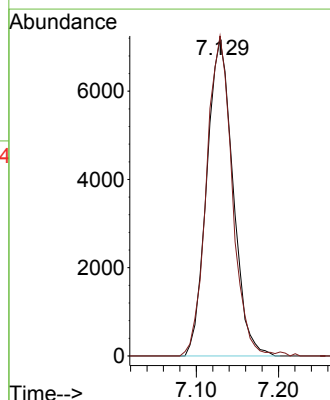
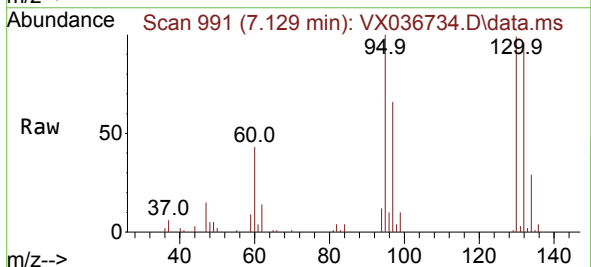
Acq: 31 Jul 2023 20:47

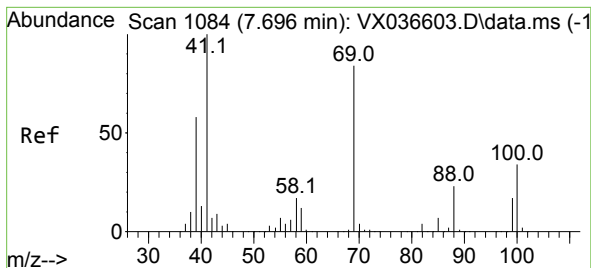
Tgt Ion:130 Resp: 15911

Ion Ratio Lower Upper

130 100

95 101.0 0.0 204.4





#49

1,4-Dioxane

Concen: 11.701 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. -0.030 min

Lab File: VX036734.D

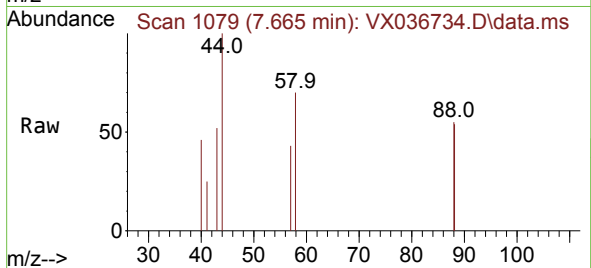
Acq: 31 Jul 2023 20:47

Instrument :

MSVOA_X

ClientSampleId :

GWBR-04-475-500-073123



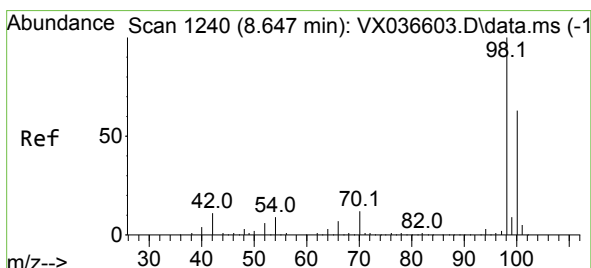
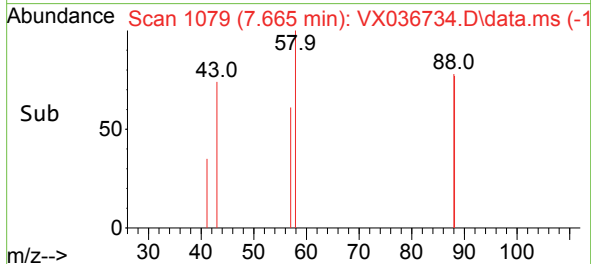
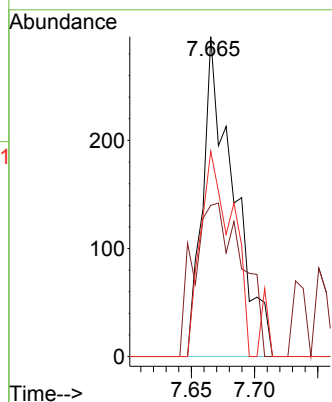
Tgt Ion: 88 Resp: 503

Ion Ratio Lower Upper

88 100

43 75.3 0.0 0.0#

58 66.2 60.1 90.1



#50

Toluene-d8

Concen: 49.221 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX036734.D

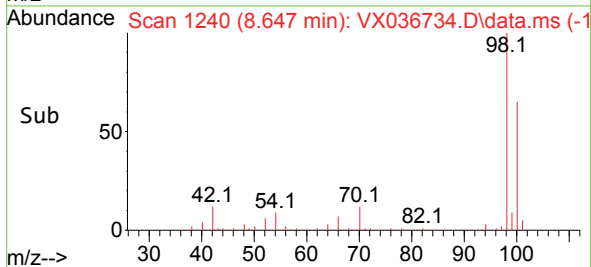
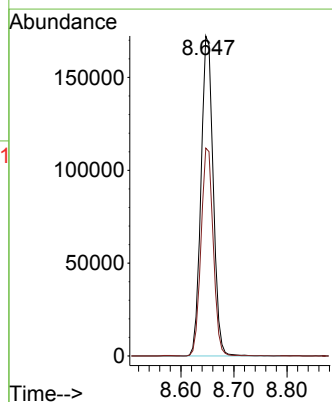
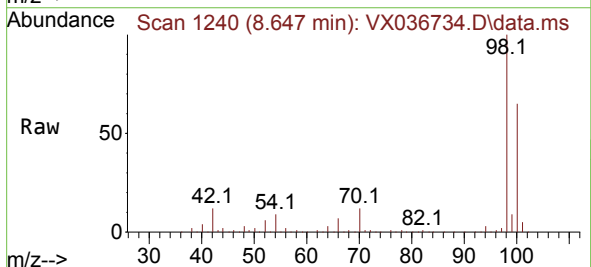
Acq: 31 Jul 2023 20:47

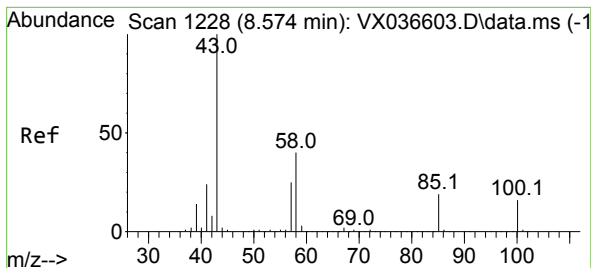
Tgt Ion: 98 Resp: 275032

Ion Ratio Lower Upper

98 100

100 65.2 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 1.225 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX036734.D

Acq: 31 Jul 2023 20:47

Instrument :

MSVOA_X

ClientSampleId :

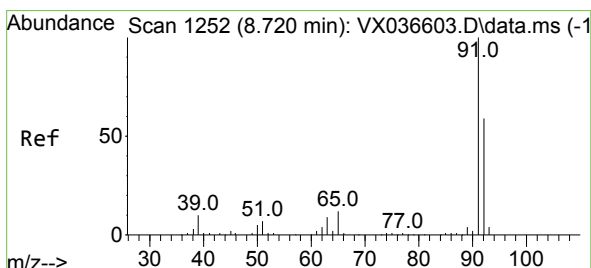
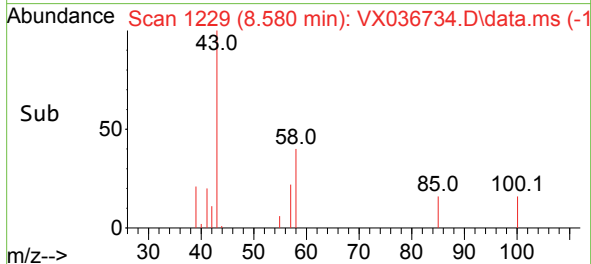
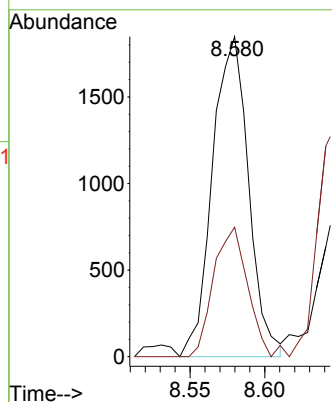
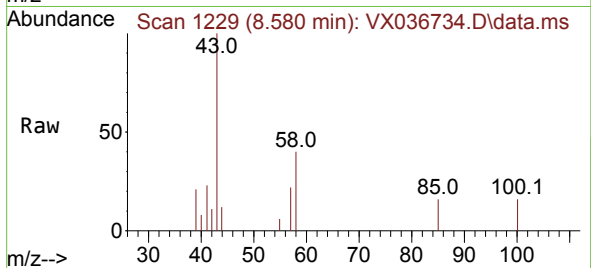
GWBR-04-475-500-073123

Tgt Ion: 43 Resp: 3101

Ion Ratio Lower Upper

43 100

58 38.5 30.4 45.6



#52

Toluene

Concen: 42.148 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX036734.D

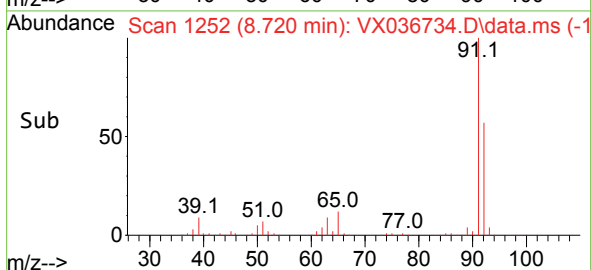
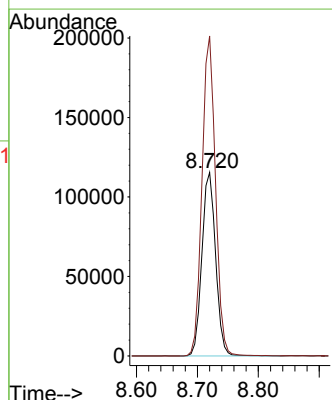
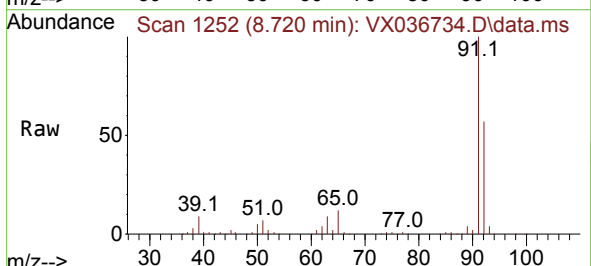
Acq: 31 Jul 2023 20:47

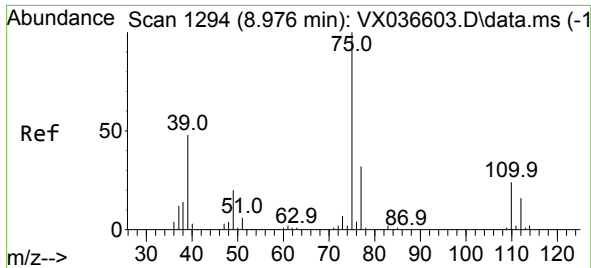
Tgt Ion: 92 Resp: 180452

Ion Ratio Lower Upper

92 100

91 171.4 134.2 201.2

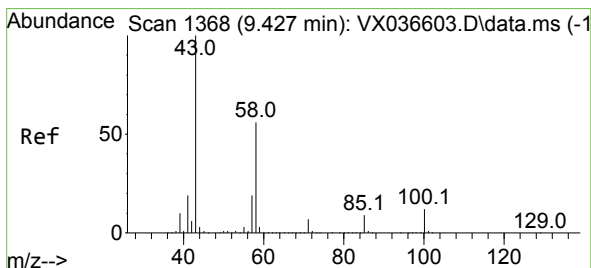
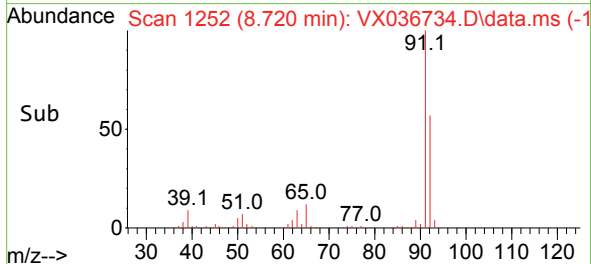
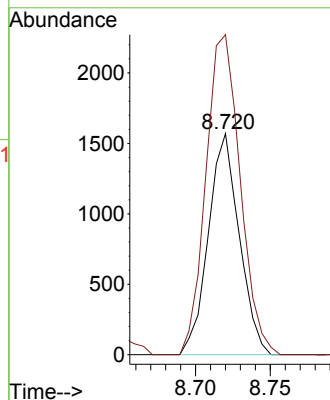
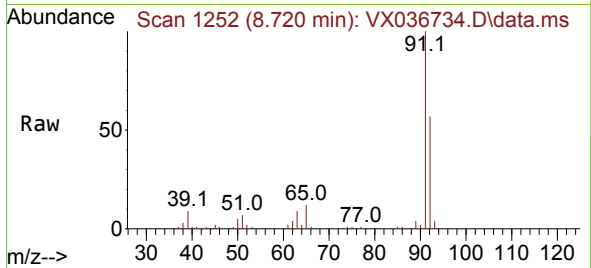




#53
t-1,3-Dichloropropene
Concen: 0.762 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.256 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

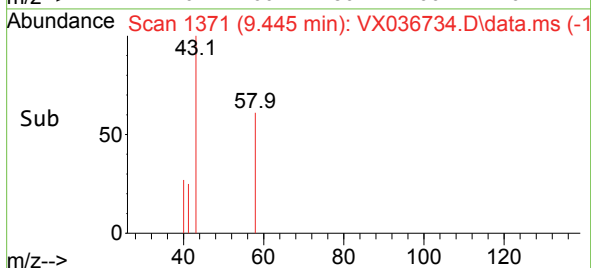
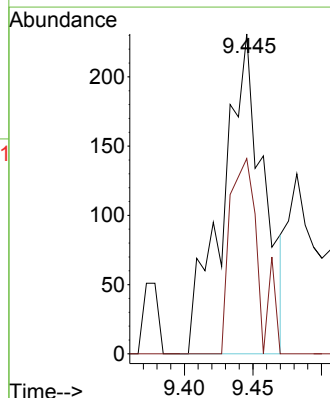
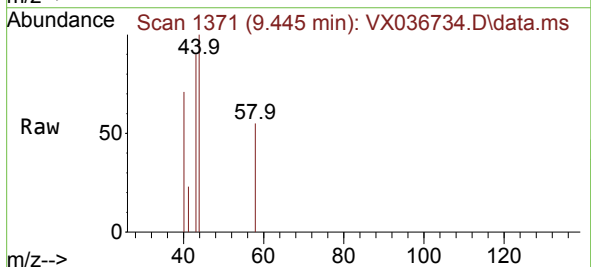
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-475-500-073123

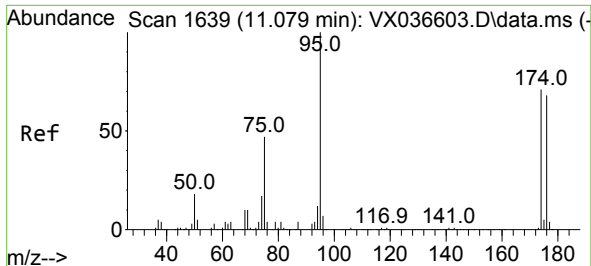
Tgt Ion: 75 Resp: 2256
Ion Ratio Lower Upper
75 100
77 144.7 25.7 38.5#



#59
2-Hexanone
Concen: 0.255 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.018 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Tgt Ion: 43 Resp: 479
Ion Ratio Lower Upper
43 100
58 42.4 26.2 78.5

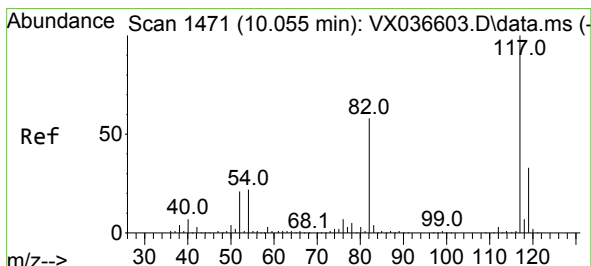
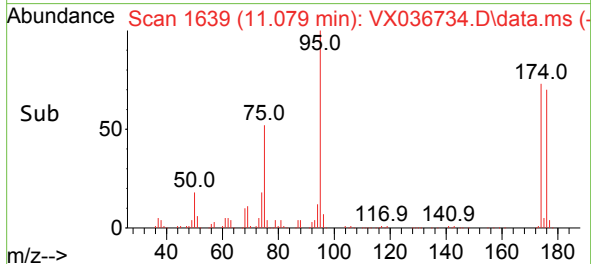
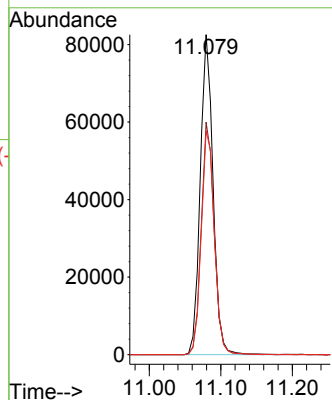
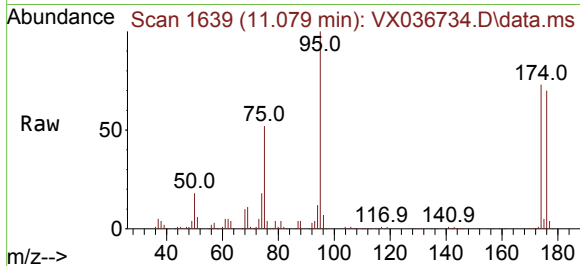




#62
4-Bromofluorobenzene
Concen: 48.513 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

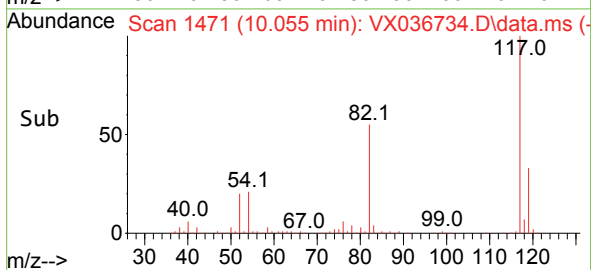
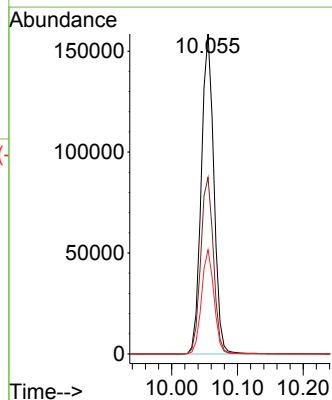
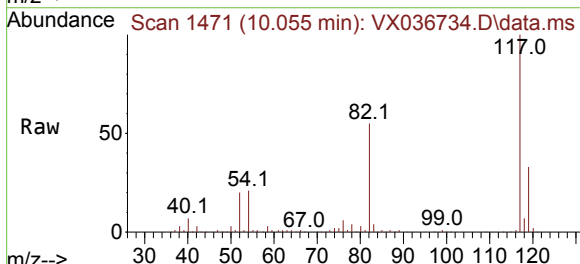
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-475-500-073123

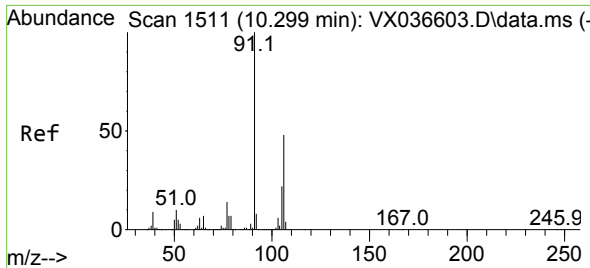
Tgt Ion: 95 Resp: 102271
Ion Ratio Lower Upper
95 100
174 73.6 0.0 135.6
176 71.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Tgt Ion: 117 Resp: 211379
Ion Ratio Lower Upper
117 100
82 55.2 46.2 69.4
119 32.5 25.5 38.3

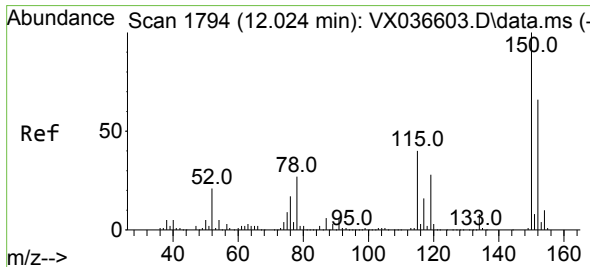
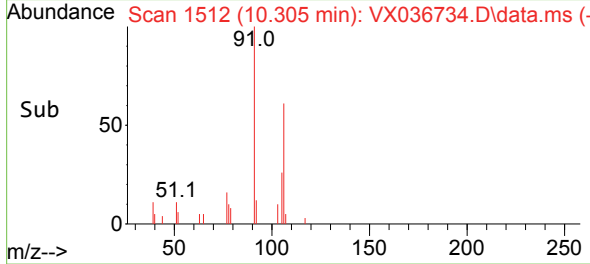
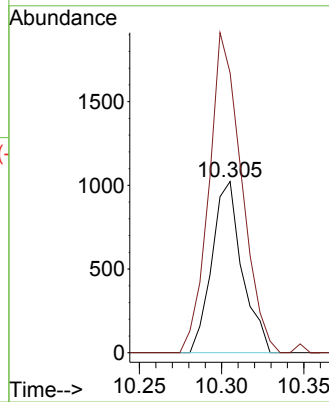
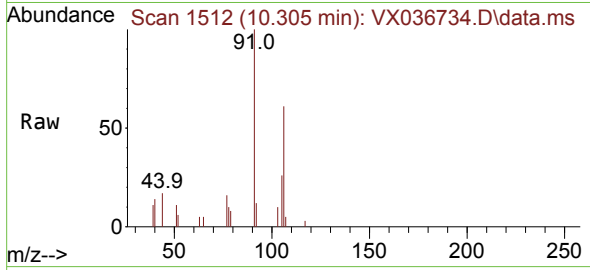




#68
m/p-Xylenes
Concen: 0.412 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

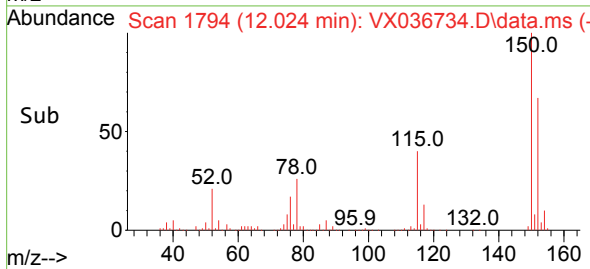
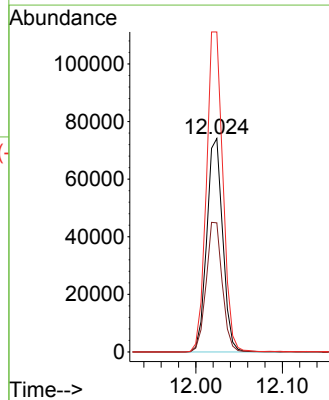
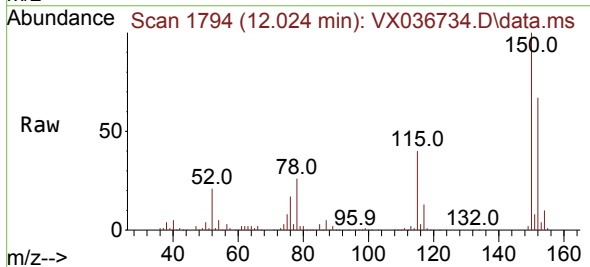
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-475-500-073123

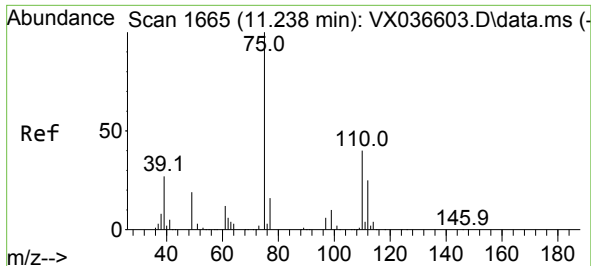
Tgt Ion:106 Resp: 1308
Ion Ratio Lower Upper
106 100
91 201.2 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Tgt Ion:152 Resp: 94665
Ion Ratio Lower Upper
152 100
115 61.4 43.3 129.9
150 154.9 0.0 345.0

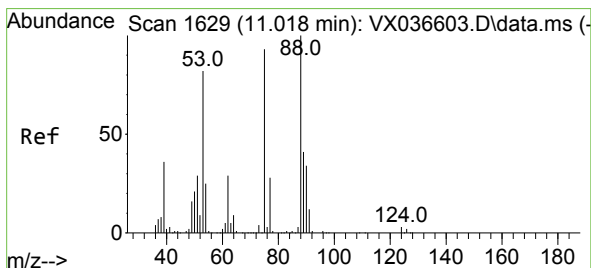
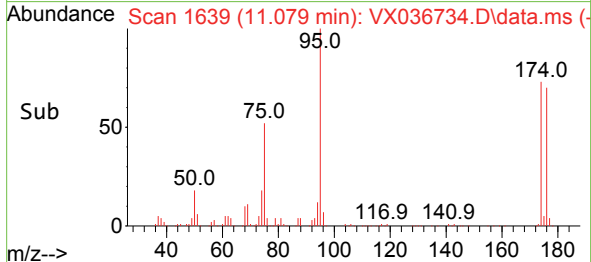
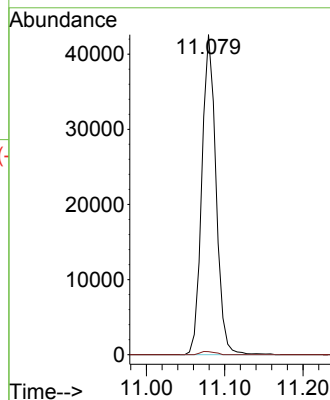
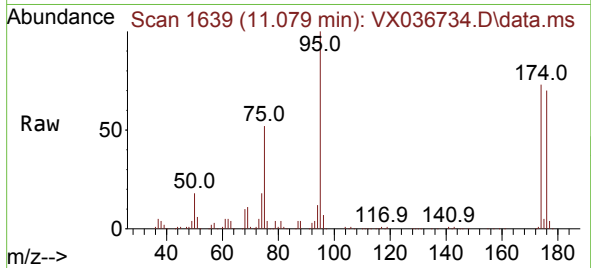




#76
1,2,3-Trichloropropane
Concen: 24.064 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Instrument :
MSVOA_X
ClientSampleId :
GWRB-04-475-500-073123

Tgt Ion: 75 Resp: 53582
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.543 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036734.D
Acq: 31 Jul 2023 20:47

Tgt Ion: 75 Resp: 53582
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

