

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072423\
 Data File : VX036639.D
 Acq On : 24 Jul 2023 18:56
 Operator : JC/MD
 Sample : 03744-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWBR-04-440-455-072423

Quant Time: Jul 25 06:39:21 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

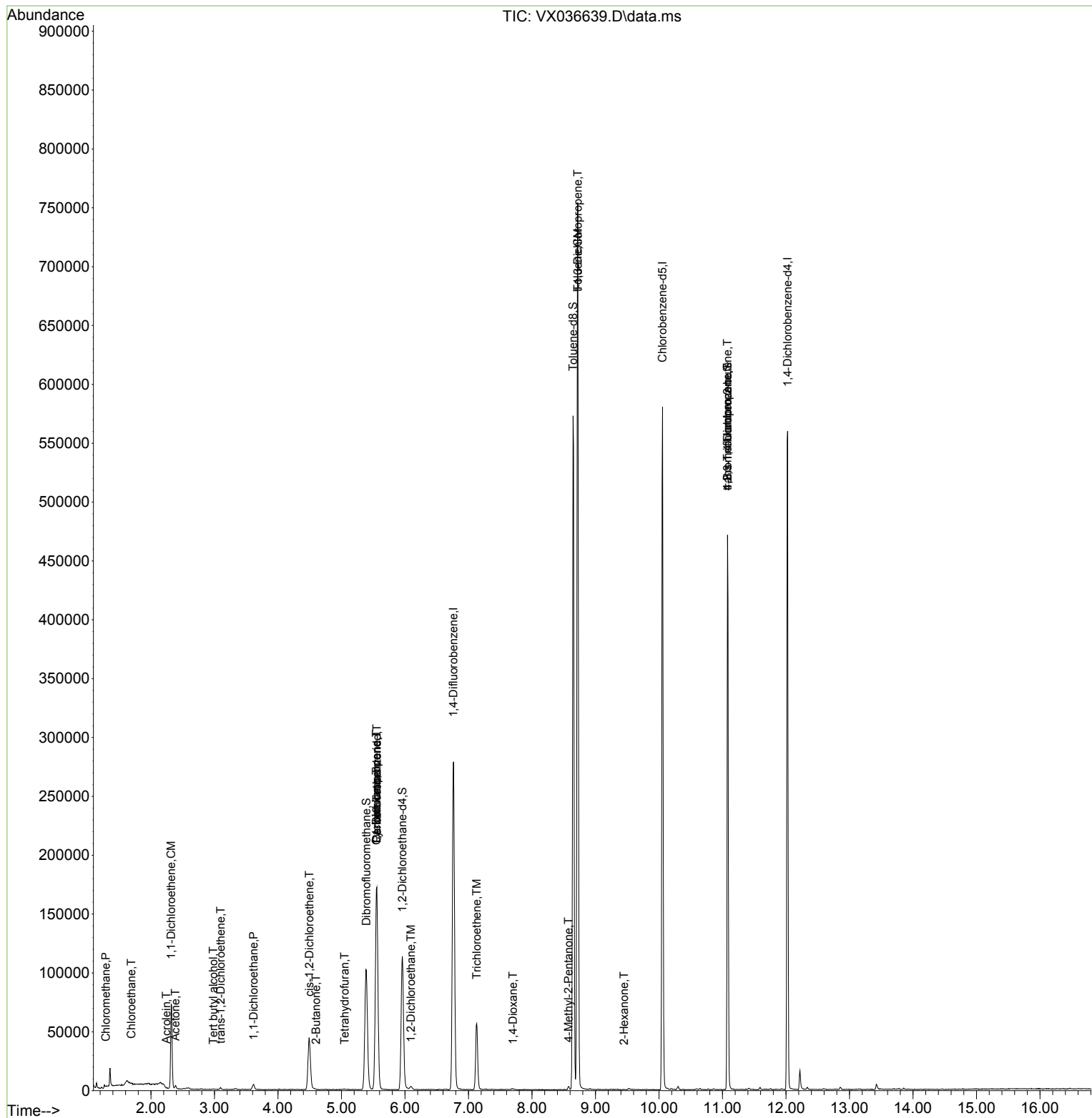
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	158771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	283943	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	108179	46.048	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.100%		
35) Dibromofluoromethane	5.391	113	89976	46.102	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.200%		
50) Toluene-d8	8.647	98	341796	49.385	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.780%		
62) 4-Bromofluorobenzene	11.079	95	128232	49.109	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.220%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	471	0.247	ug/l #	82
6) Chloroethane	1.691	64	540	0.572	ug/l #	77
11) Tert butyl alcohol	2.983	59	302	0.543	ug/l #	1
12) 1,1-Dichloroethene	2.319	96	24337	13.689	ug/l	89
13) Acrolein	2.239	56	129	0.406	ug/l #	14
16) Acetone	2.386	43	2616	2.683	ug/l	92
21) trans-1,2-Dichloroethene	3.099	96	550	0.277	ug/l #	76
24) 1,1-Dichloroethane	3.617	63	5152	1.382	ug/l #	90
25) 2-Butanone	4.599	43	416	0.263	ug/l #	51
27) cis-1,2-Dichloroethene	4.495	96	27736	11.752	ug/l	84
29) Tetrahydrofuran	5.050	42	660	0.647	ug/l #	40
31) Cyclohexane	5.550	56	3985	1.225	ug/l #	18
36) 1,1-Dichloropropene	5.550	75	13417	4.612	ug/l #	50
38) Carbon Tetrachloride	5.556	117	16960	5.484	ug/l #	15
42) 1,2-Dichloroethane	6.092	62	2807	0.907	ug/l	97
44) Trichloroethene	7.129	130	21646	9.785	ug/l	98
49) 1,4-Dioxane	7.702	88	576	10.818	ug/l #	84
51) 4-Methyl-2-Pentanone	8.574	43	2079	0.663	ug/l	93
52) Toluene	8.720	92	285360	53.810	ug/l	96
53) t-1,3-Dichloropropene	8.720	75	3406	0.928	ug/l #	1
59) 2-Hexanone	9.452	43	581	0.250	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	66101	24.489	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	66101	55.505	ug/l #	5

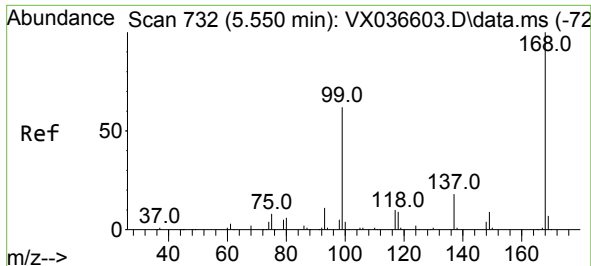
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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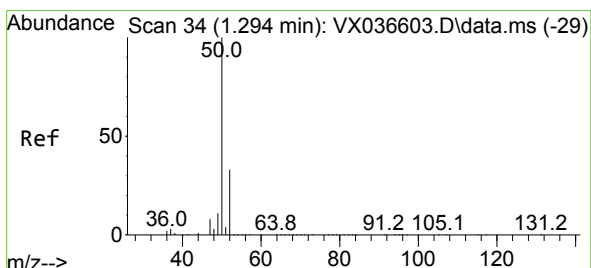
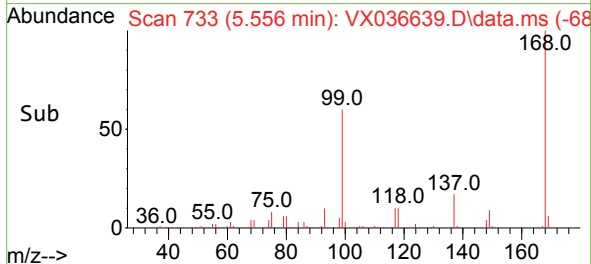
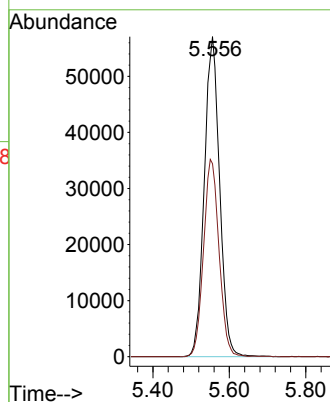
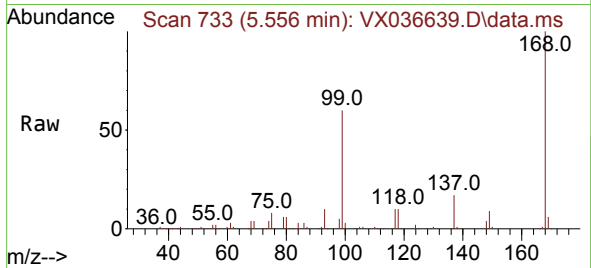




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

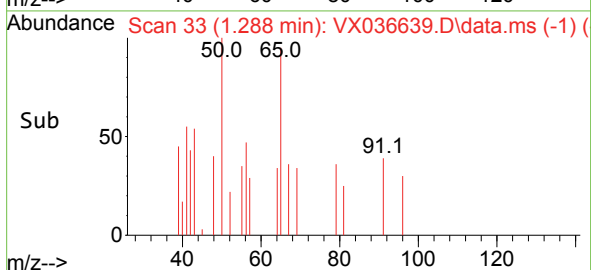
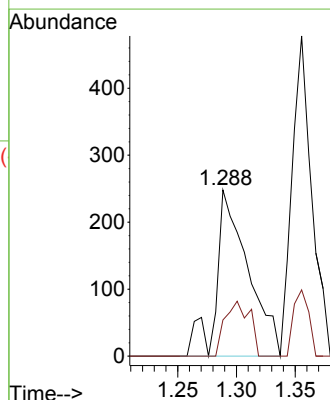
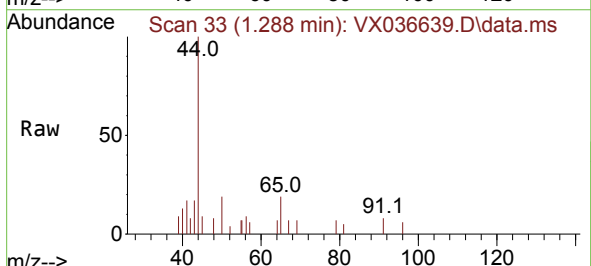
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-440-455-072423

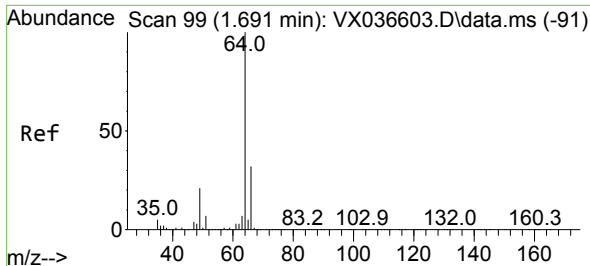
Tgt Ion:168 Resp: 158771
Ion Ratio Lower Upper
168 100
99 60.3 56.6 85.0



#3
Chloromethane
Concen: 0.247 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

Tgt Ion: 50 Resp: 471
Ion Ratio Lower Upper
50 100
52 21.8 25.5 38.3#

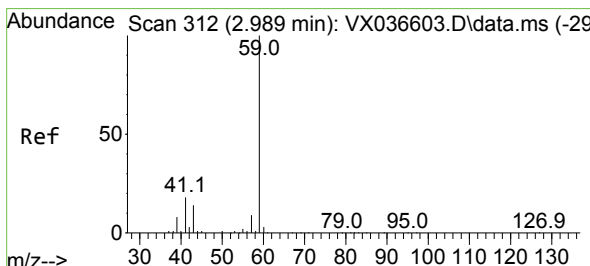
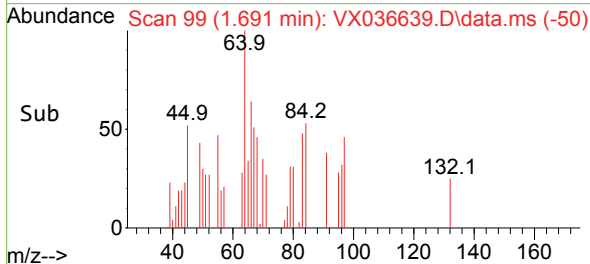
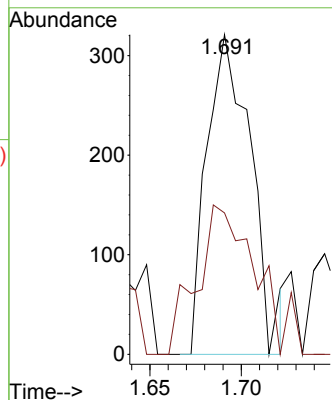
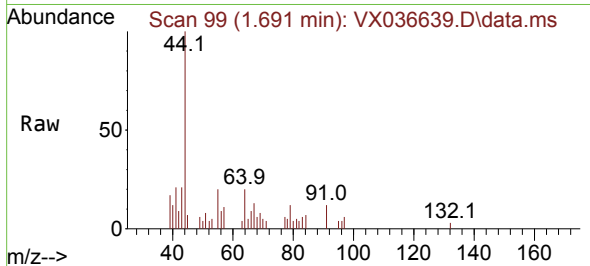




#6
Chloroethane
Concen: 0.572 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

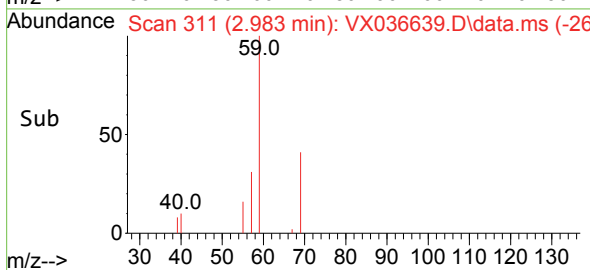
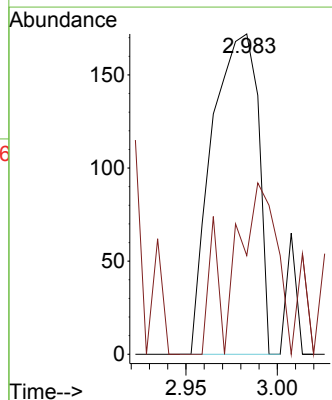
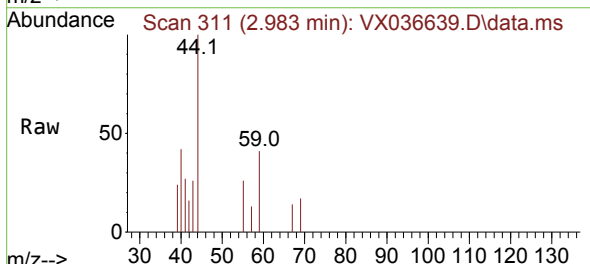
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-440-455-072423

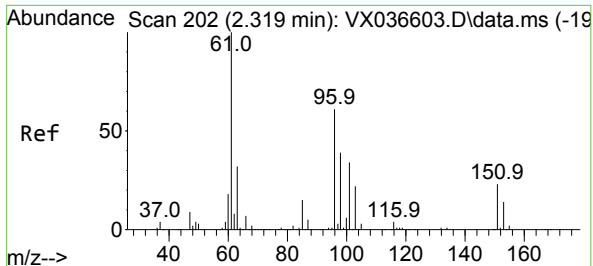
Tgt Ion: 64 Resp: 540
Ion Ratio Lower Upper
64 100
66 44.2 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.543 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

Tgt Ion: 59 Resp: 302
Ion Ratio Lower Upper
59 100
57 42.1 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 13.689 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX036639.D

Acq: 24 Jul 2023 18:56

Instrument :

MSVOA_X

ClientSampleId :

GWBR-04-440-455-072423

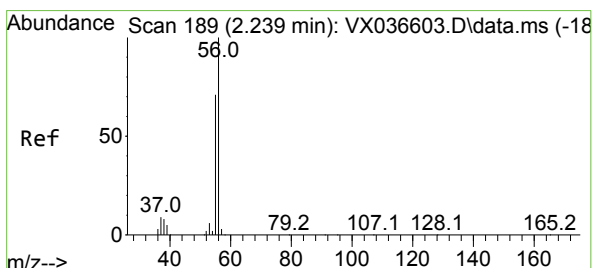
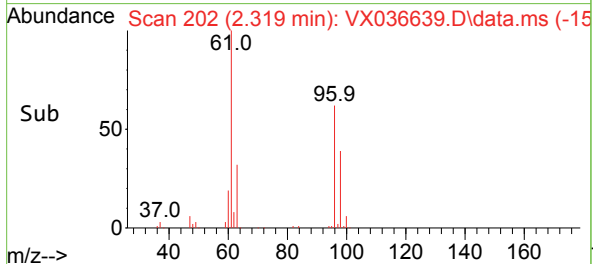
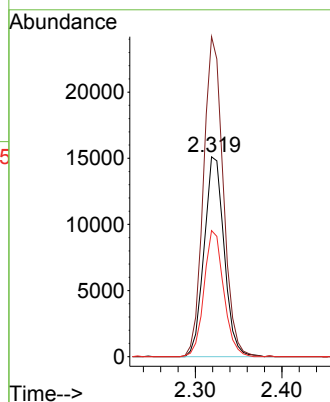
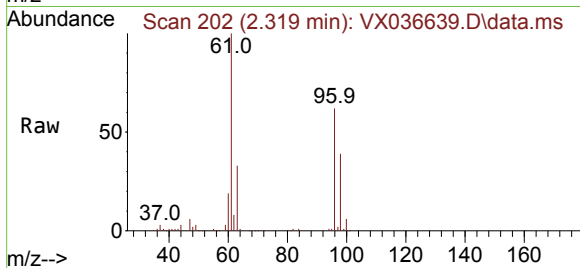
Tgt Ion: 96 Resp: 24337

Ion Ratio Lower Upper

96 100

61 160.1 144.6 216.8

98 63.1 50.4 75.6



#13

Acrolein

Concen: 0.406 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX036639.D

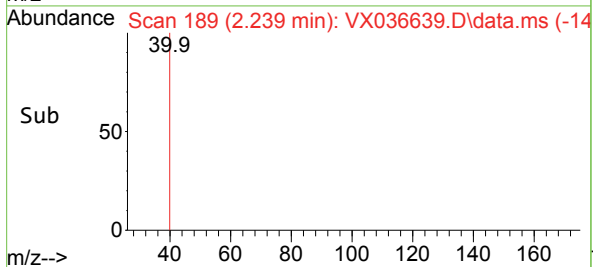
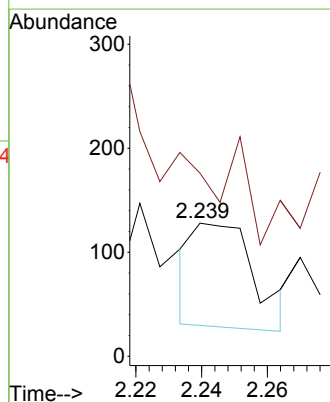
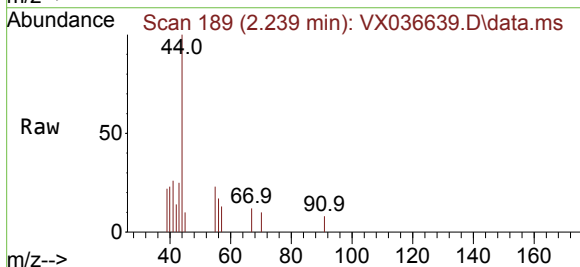
Acq: 24 Jul 2023 18:56

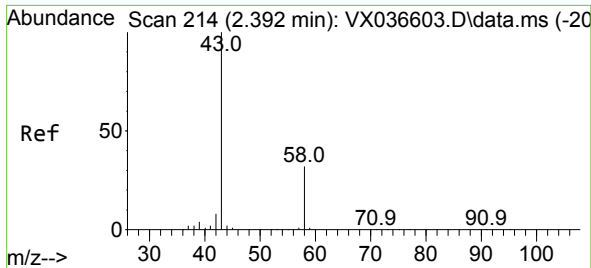
Tgt Ion: 56 Resp: 129

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

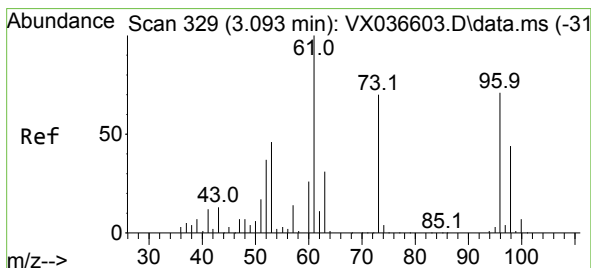
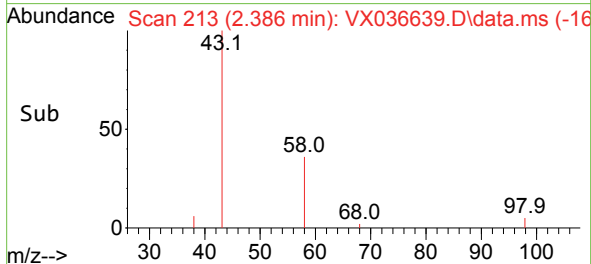
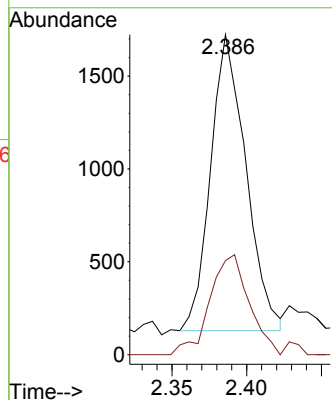
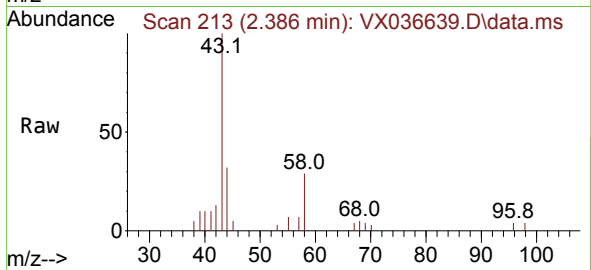




#16
Acetone
Concen: 2.683 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

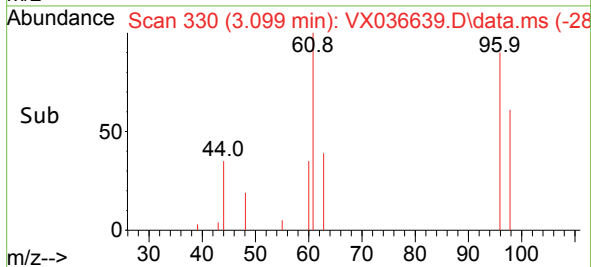
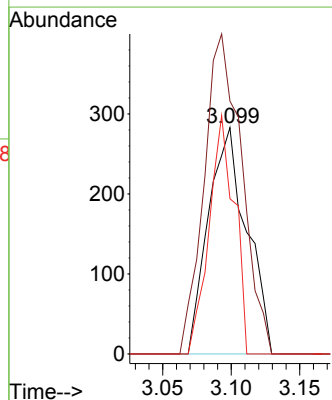
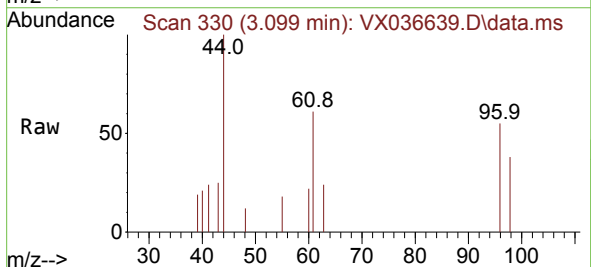
Instrument :
MSVOA_X
ClientSampleId :
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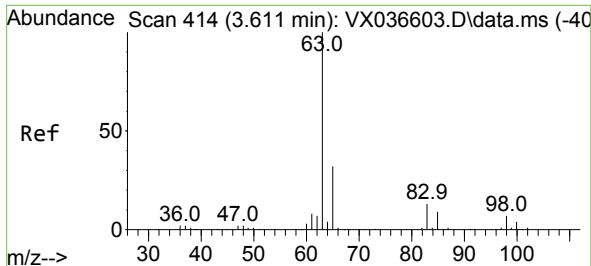
Tgt Ion: 43 Resp: 2616
Ion Ratio Lower Upper
43 100
58 31.7 21.9 32.9



#21
trans-1,2-Dichloroethene
Concen: 0.277 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

Tgt Ion: 96 Resp: 550
Ion Ratio Lower Upper
96 100
61 111.7 119.2 178.8#
98 68.6 48.7 73.1





#24

1,1-Dichloroethane

Concen: 1.382 ug/l

RT: 3.617 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX036639.D

Acq: 24 Jul 2023 18:56

Instrument :

MSVOA_X

ClientSampleId :

GWBR-04-440-455-072423

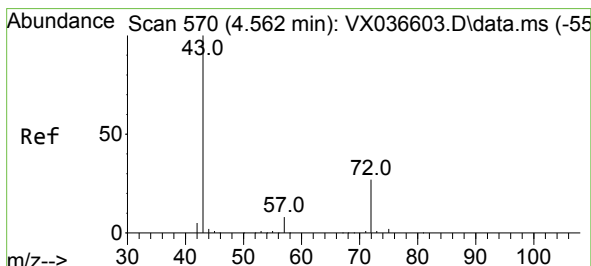
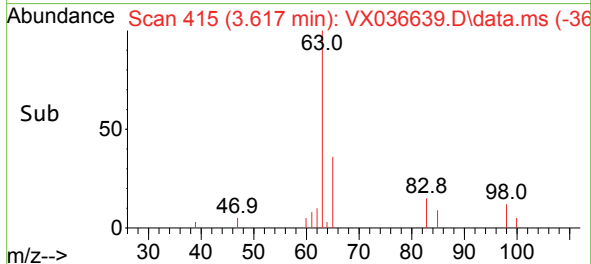
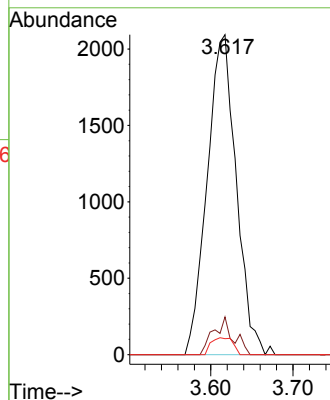
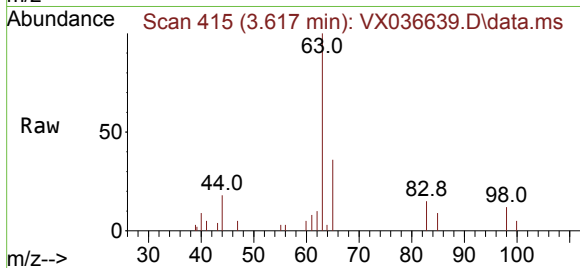
Tgt Ion: 63 Resp: 5152

Ion Ratio Lower Upper

63 100

98 11.8 3.3 9.8#

100 5.0 2.1 6.5



#25

2-Butanone

Concen: 0.263 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.037 min

Lab File: VX036639.D

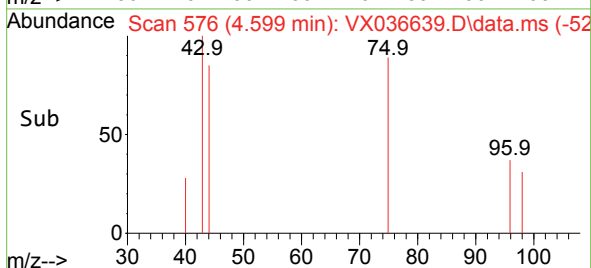
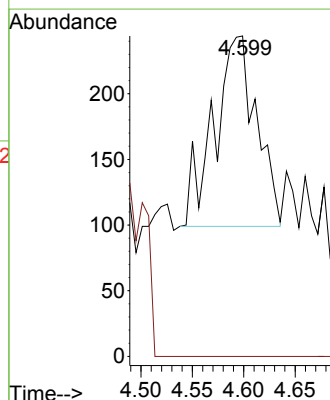
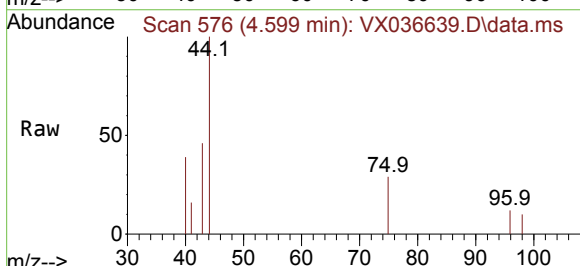
Acq: 24 Jul 2023 18:56

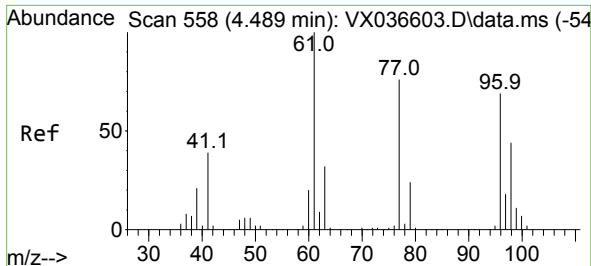
Tgt Ion: 43 Resp: 416

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 11.752 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX036639.D

Acq: 24 Jul 2023 18:56

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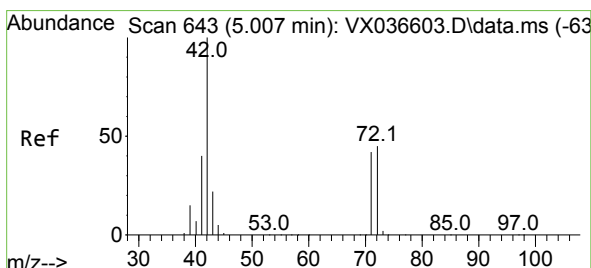
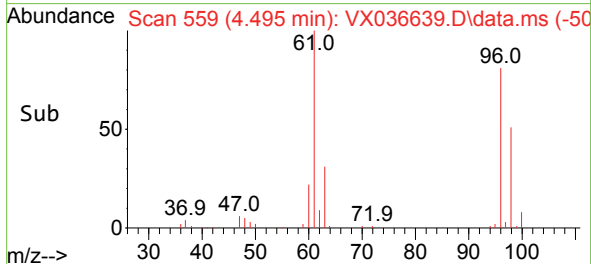
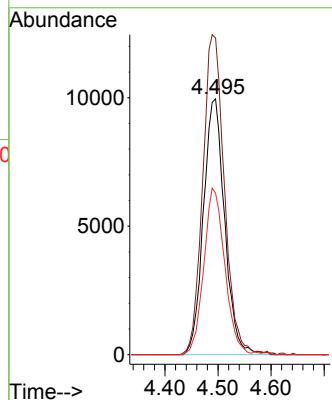
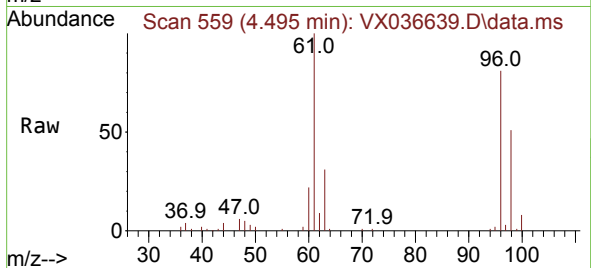
Tgt Ion: 96 Resp: 27736

Ion Ratio Lower Upper

96 100

61 127.4 0.0 312.2

98 64.2 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.647 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.043 min

Lab File: VX036639.D

Acq: 24 Jul 2023 18:56

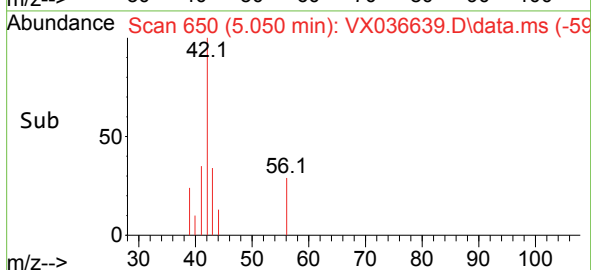
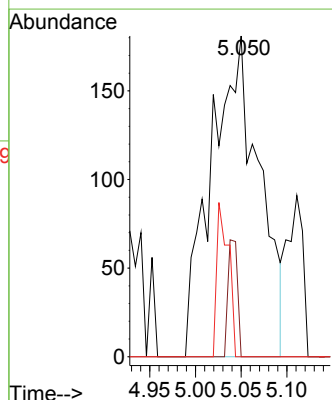
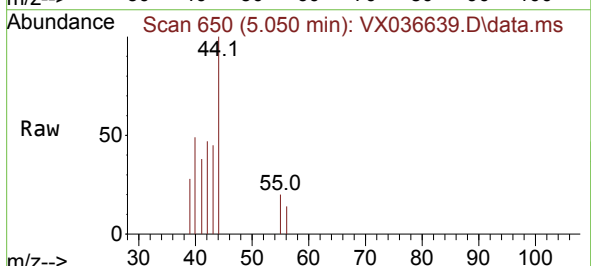
Tgt Ion: 42 Resp: 660

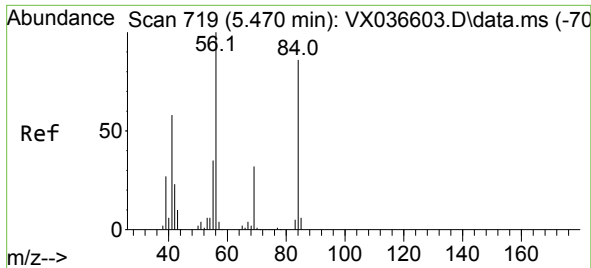
Ion Ratio Lower Upper

42 100

72 7.3 34.2 51.4#

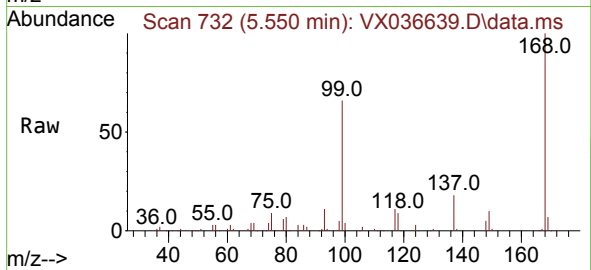
71 0.0 32.2 48.2#



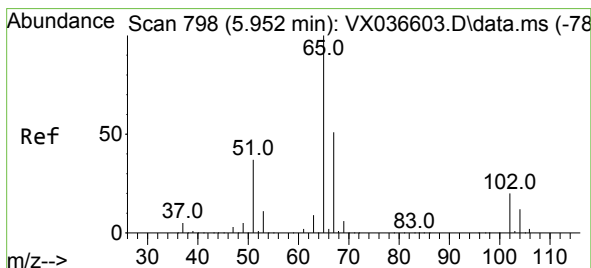
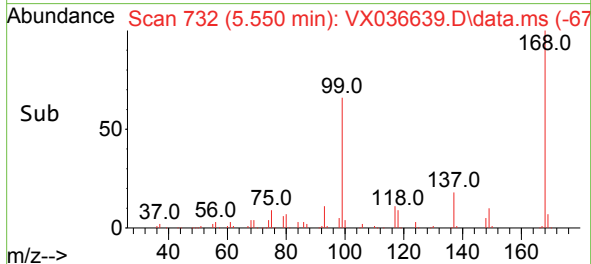
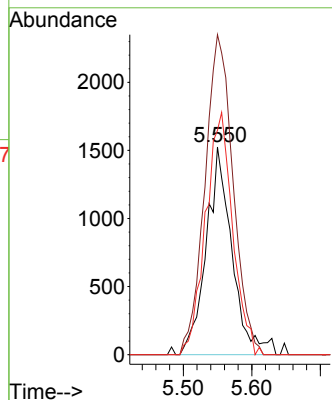


#31
Cyclohexane
Concen: 1.225 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

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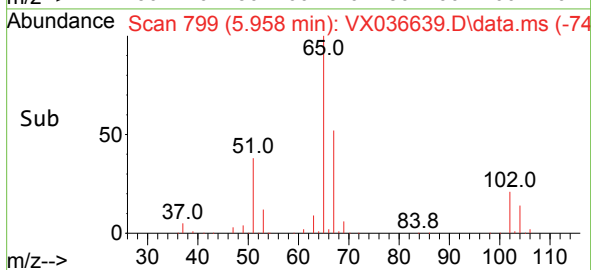
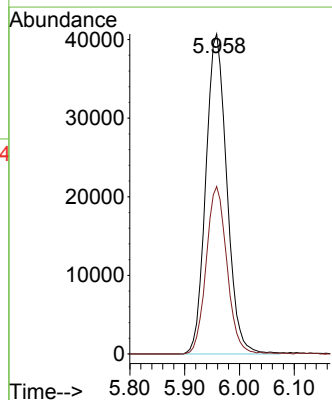
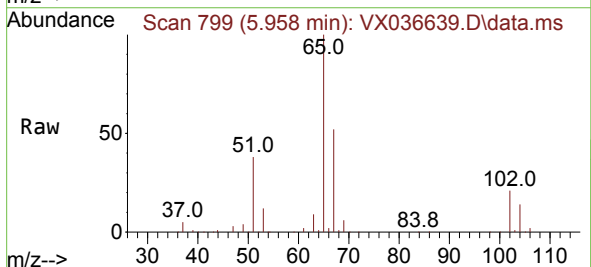


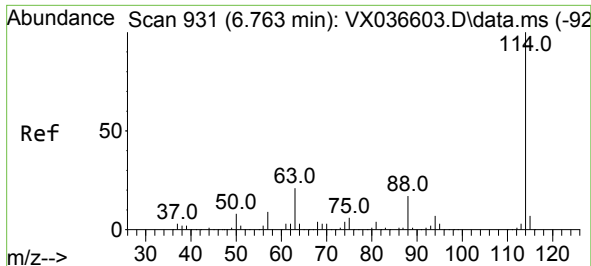
Tgt Ion: 56 Resp: 3985
Ion Ratio Lower Upper
56 100
69 154.1 23.4 35.2#
84 108.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.048 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

Tgt Ion: 65 Resp: 108179
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2

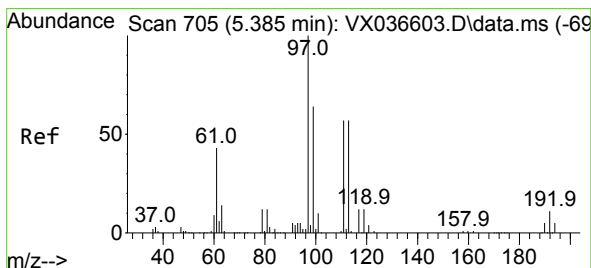
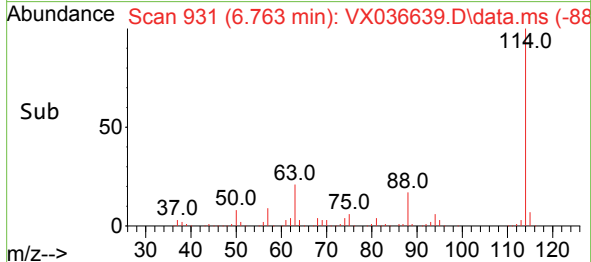
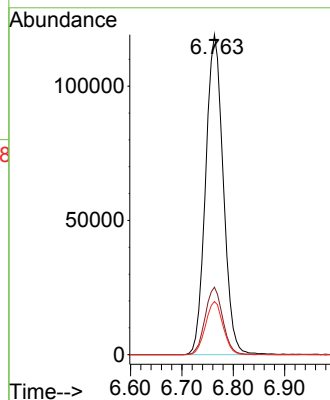
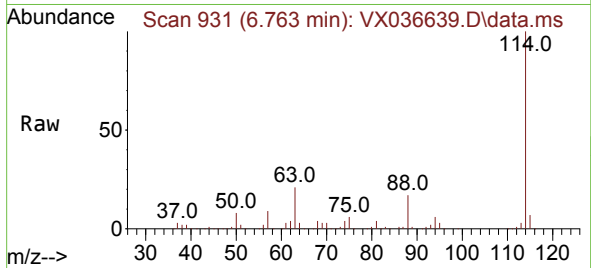




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

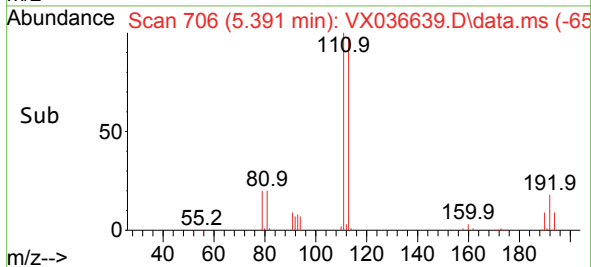
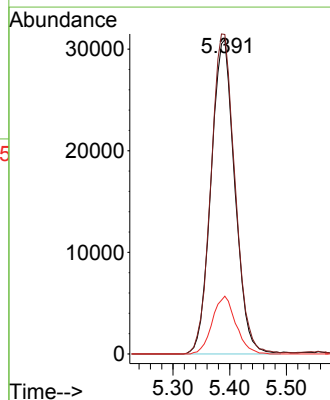
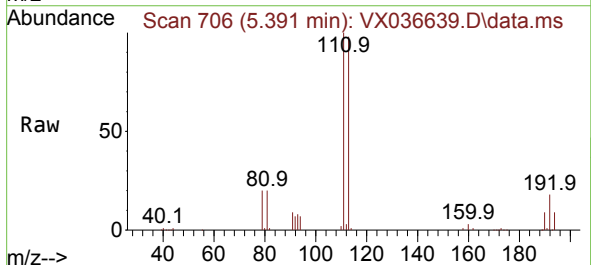
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-440-455-072423

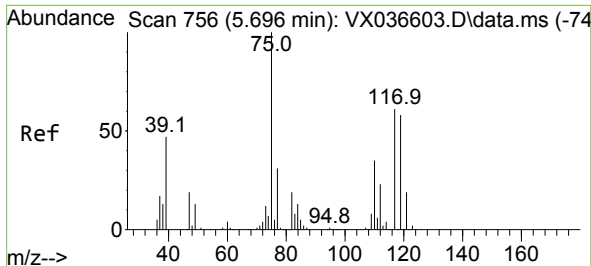
Tgt Ion:114 Resp: 283943
Ion Ratio Lower Upper
114 100
63 21.1 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.102 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

Tgt Ion:113 Resp: 89976
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 18.2 13.3 19.9

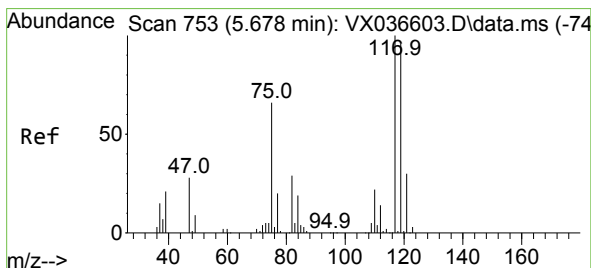
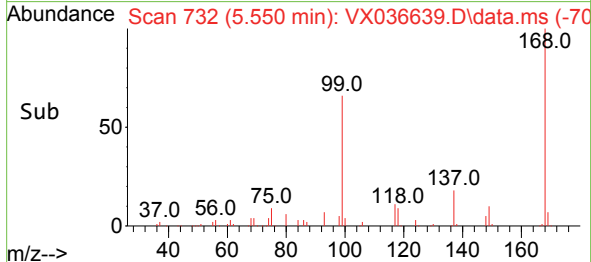
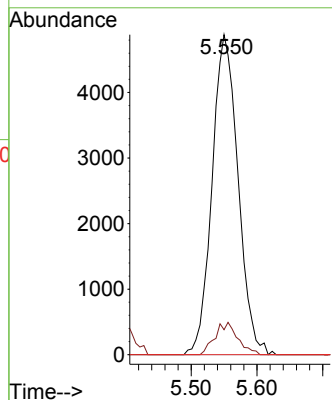
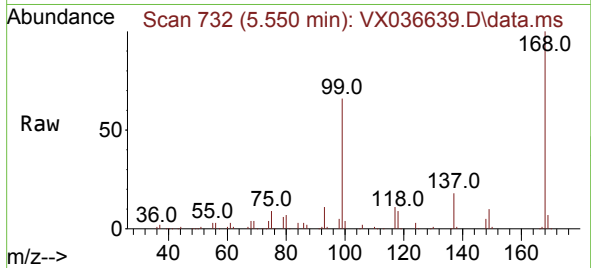




#36
1,1-Dichloropropene
Concen: 4.612 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

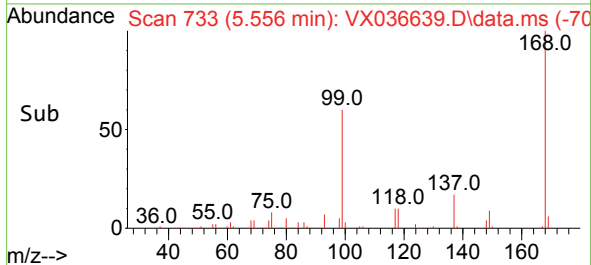
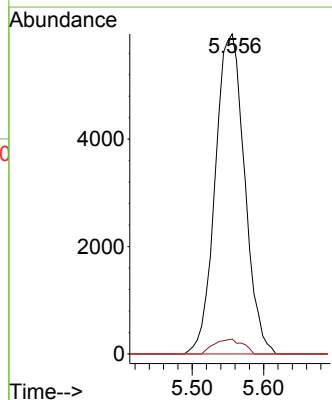
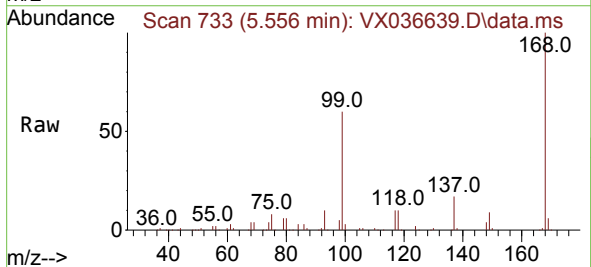
Instrument :
MSVOA_X
ClientSampleId :
GWRB-04-440-455-072423

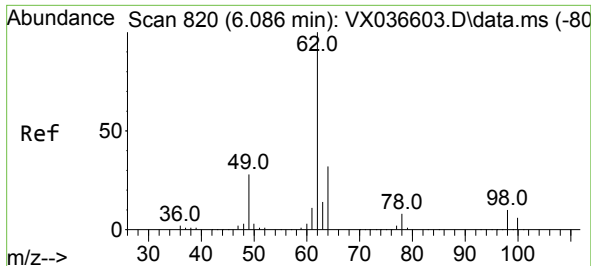
Tgt Ion: 75 Resp: 13417
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.484 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

Tgt Ion: 117 Resp: 16960
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.907 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX036639.D

Acq: 24 Jul 2023 18:56

Instrument :

MSVOA_X

ClientSampleId :

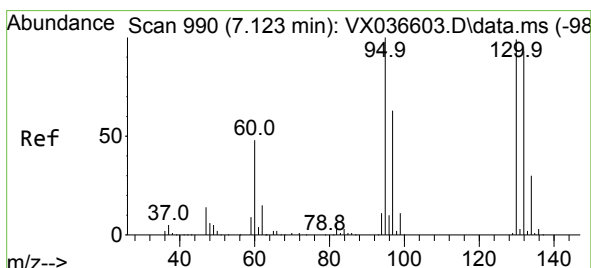
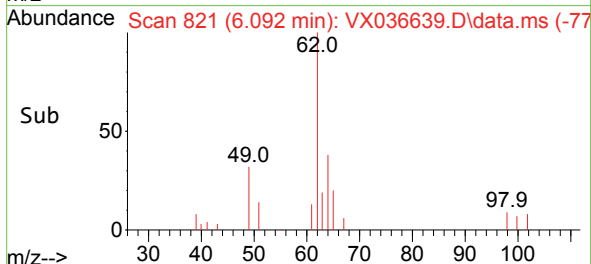
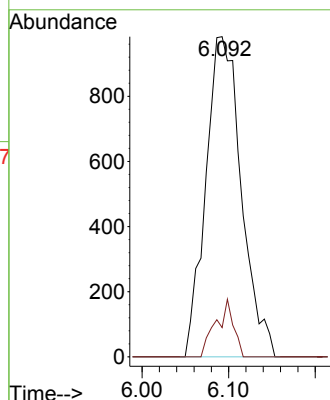
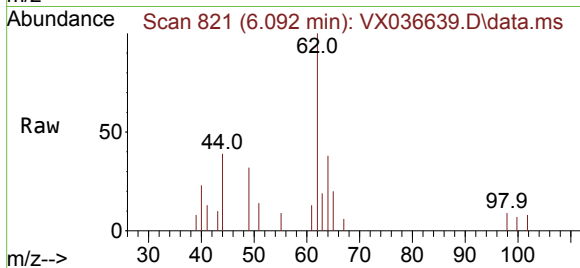
GWBR-04-440-455-072423

Tgt Ion: 62 Resp: 2807

Ion Ratio Lower Upper

62 100

98 9.0 0.0 16.0



#44

Trichloroethene

Concen: 9.785 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX036639.D

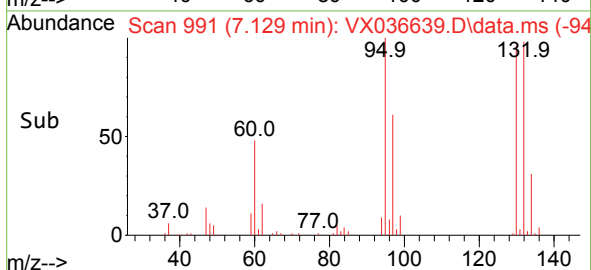
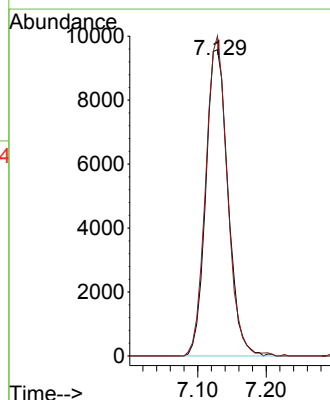
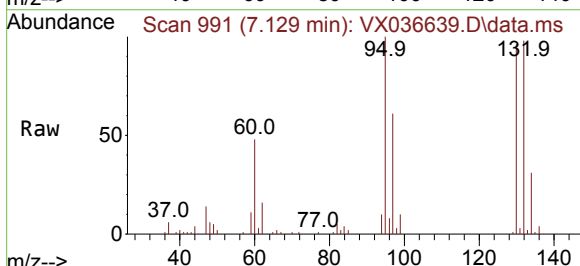
Acq: 24 Jul 2023 18:56

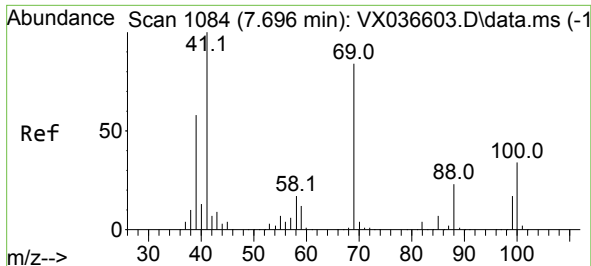
Tgt Ion:130 Resp: 21646

Ion Ratio Lower Upper

130 100

95 104.5 0.0 204.4





#49

1,4-Dioxane

Concen: 10.818 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.006 min

Lab File: VX036639.D

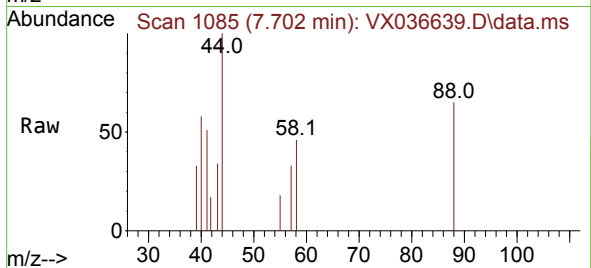
Acq: 24 Jul 2023 18:56

Instrument :

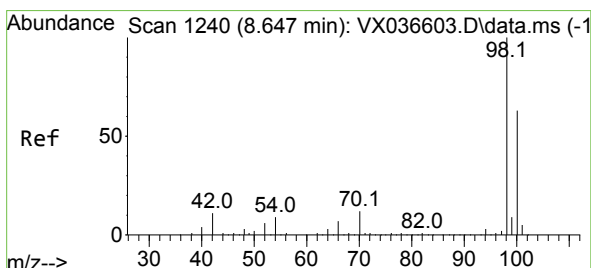
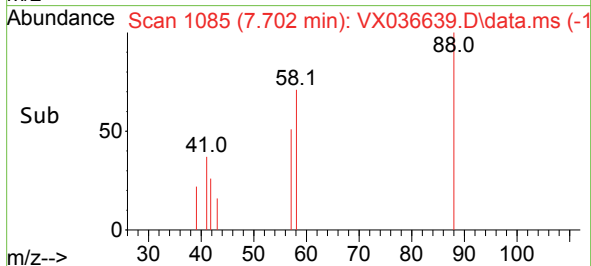
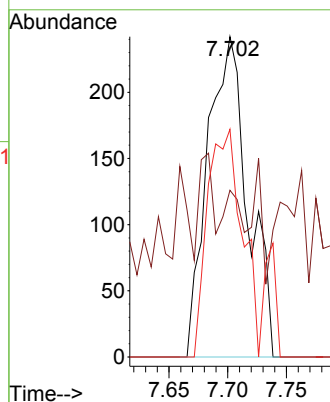
MSVOA_X

ClientSampleId :

GWBR-04-440-455-072423



Tgt Ion:	88	Resp:	576
Ion	Ratio	Lower	Upper
88	100		
43	13.4	0.0	0.0#
58	61.1	60.1	90.1



#50

Toluene-d8

Concen: 49.385 ug/l

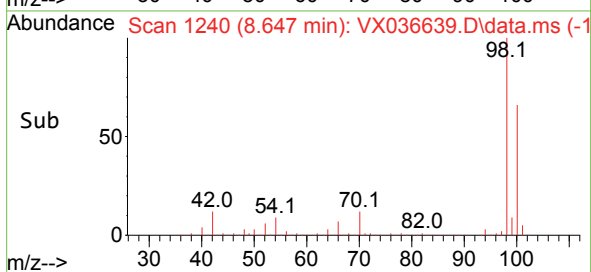
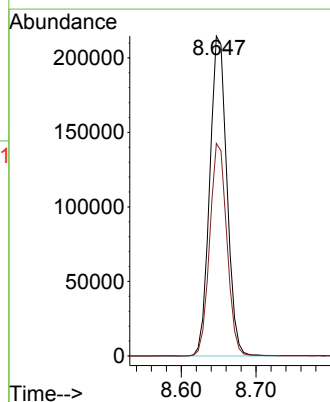
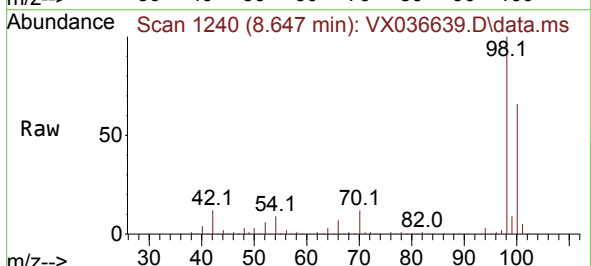
RT: 8.647 min Scan# 1240

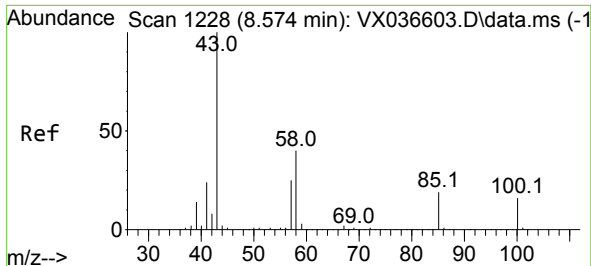
Delta R.T. 0.000 min

Lab File: VX036639.D

Acq: 24 Jul 2023 18:56

Tgt Ion:	98	Resp:	341796
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.1	79.7

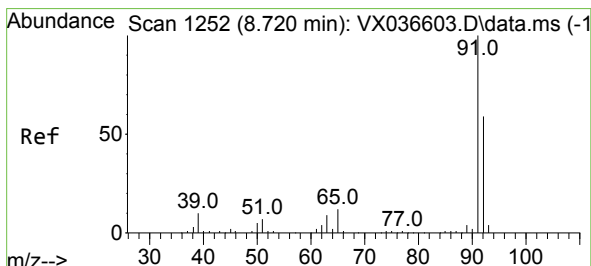
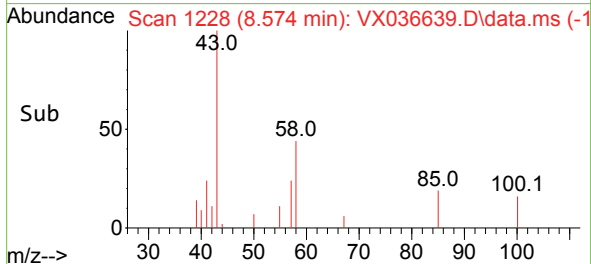
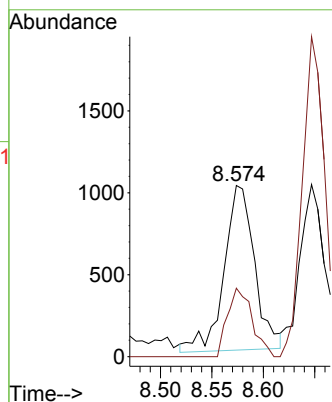
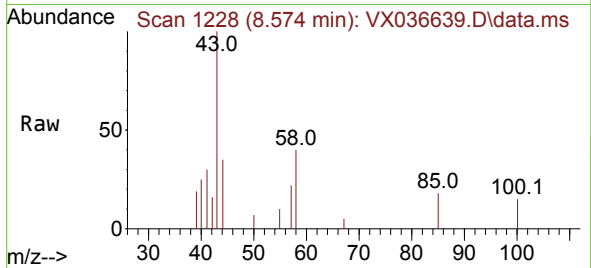




#51
4-Methyl-2-Pentanone
Concen: 0.663 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

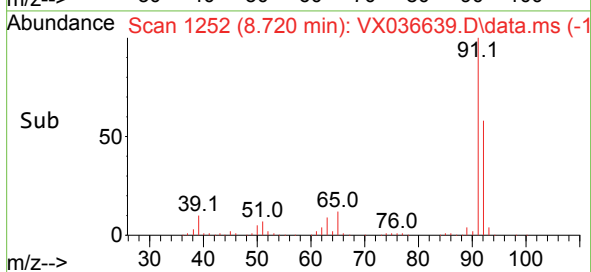
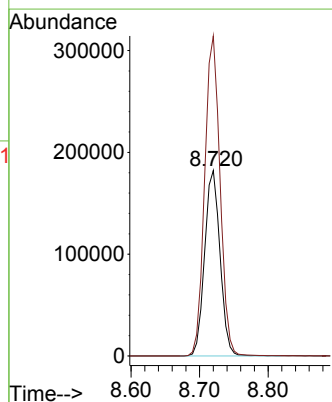
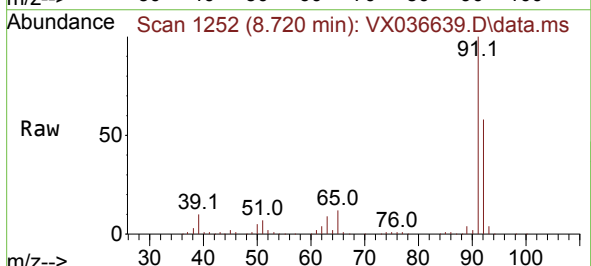
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-440-455-072423

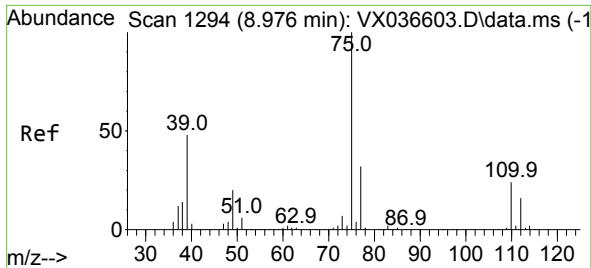
Tgt Ion: 43 Resp: 2079
Ion Ratio Lower Upper
43 100
58 33.5 30.4 45.6



#52
Toluene
Concen: 53.810 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

Tgt Ion: 92 Resp: 285360
Ion Ratio Lower Upper
92 100
91 172.5 134.2 201.2

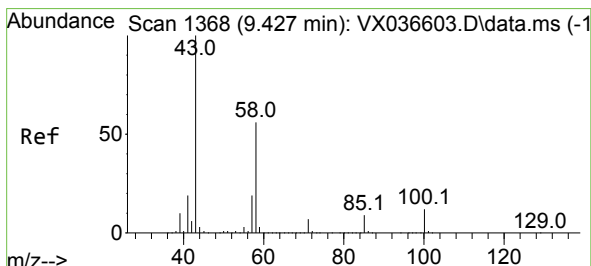
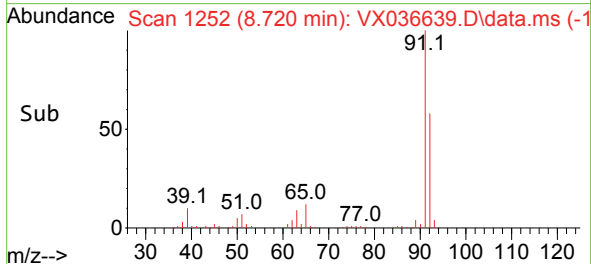
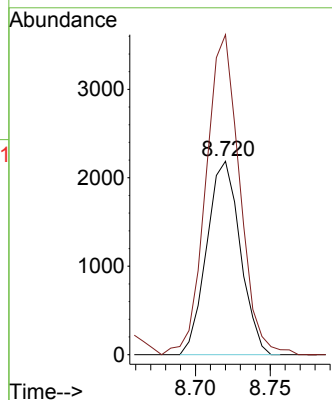
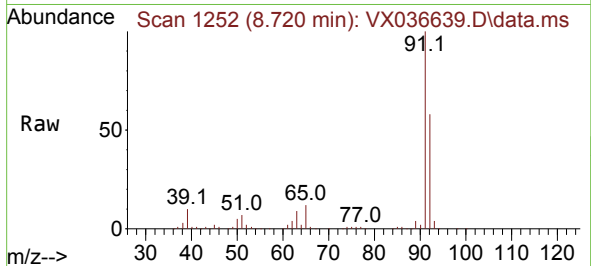




#53
t-1,3-Dichloropropene
Concen: 0.928 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.256 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

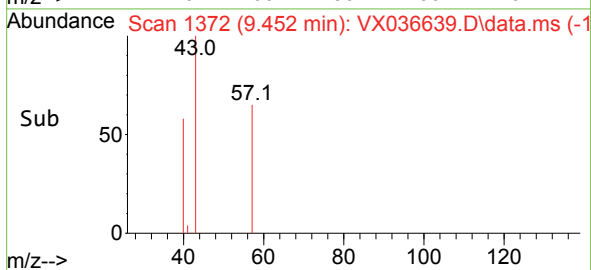
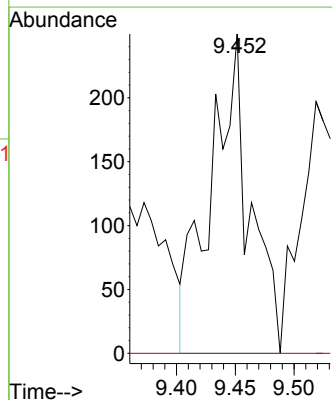
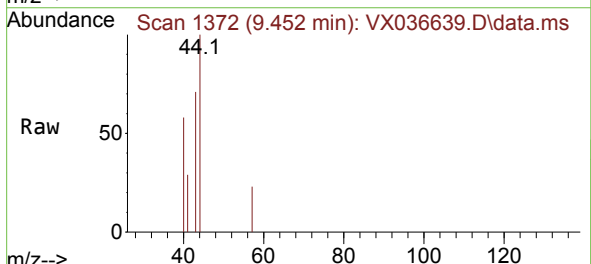
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-440-455-072423

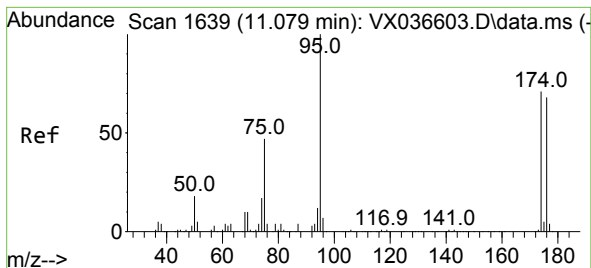
Tgt Ion: 75 Resp: 3406
Ion Ratio Lower Upper
75 100
77 162.9 25.7 38.5#



#59
2-Hexanone
Concen: 0.250 ug/l
RT: 9.452 min Scan# 1372
Delta R.T. 0.025 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#

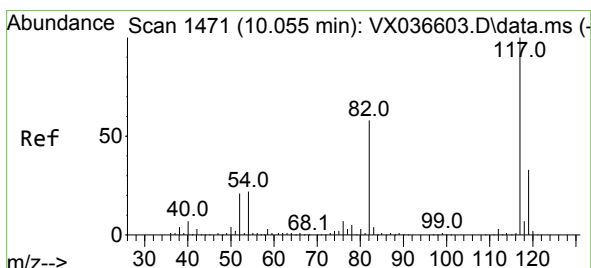
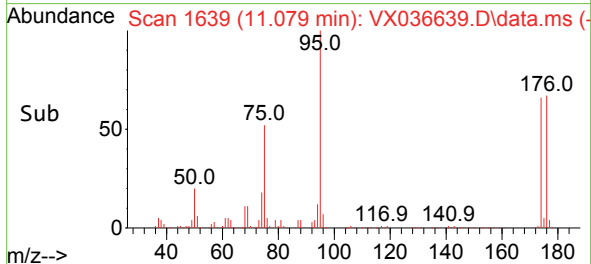
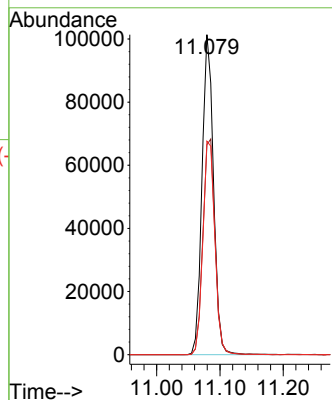
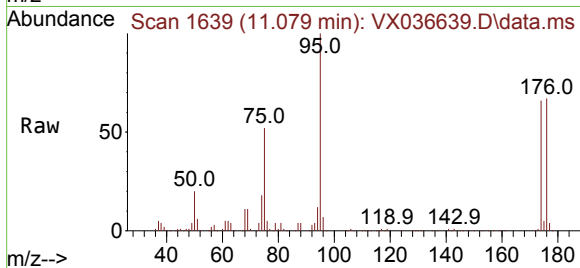




#62
4-Bromofluorobenzene
Concen: 49.109 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

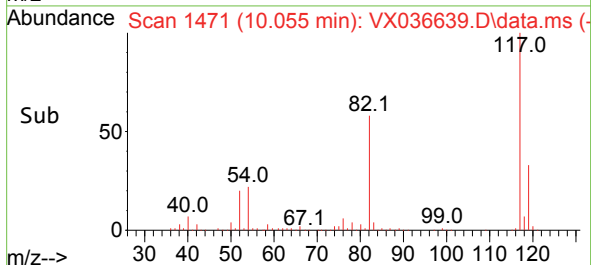
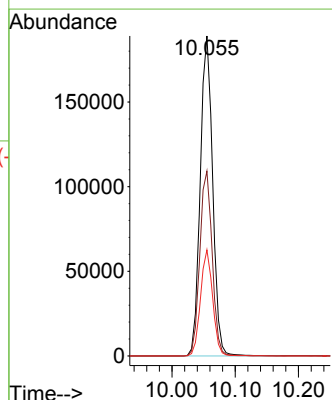
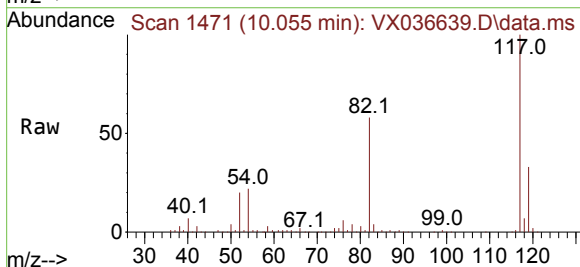
Instrument :
MSVOA_X
ClientSampleId :
GWBR-04-440-455-072423

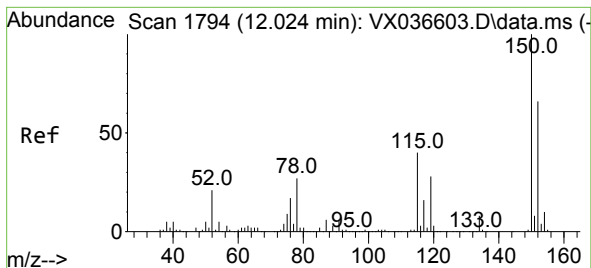
Tgt Ion: 95 Resp: 128232
Ion Ratio Lower Upper
95 100
174 70.9 0.0 135.6
176 69.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036639.D
Acq: 24 Jul 2023 18:56

Tgt Ion: 117 Resp: 258256
Ion Ratio Lower Upper
117 100
82 57.8 46.2 69.4
119 33.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036639.D

Acq: 24 Jul 2023 18:56

Instrument :

MSVOA_X

ClientSampleId :

GWBR-04-440-455-072423

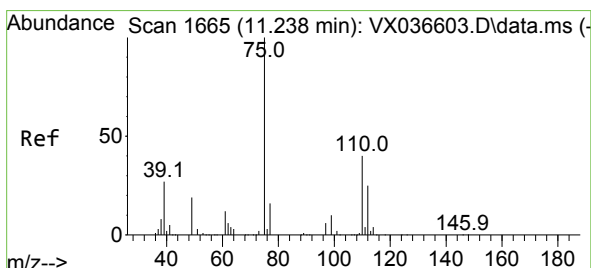
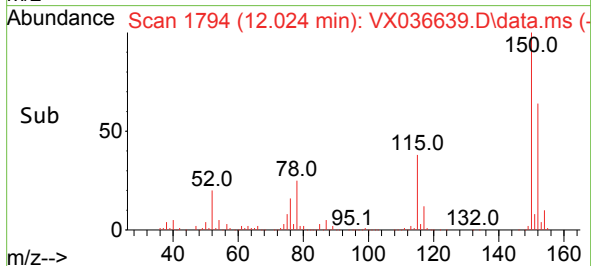
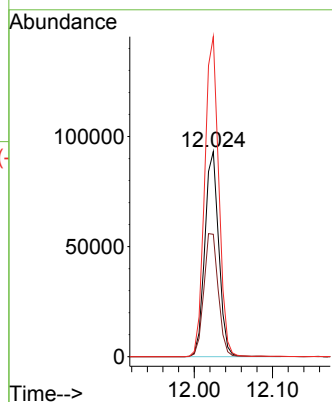
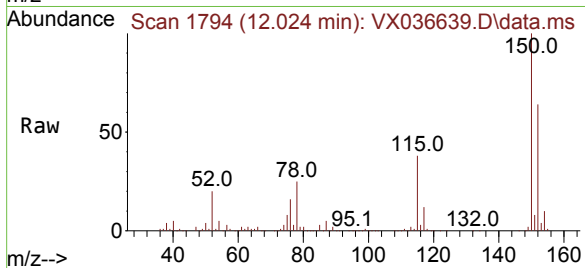
Tgt Ion:152 Resp: 114759

Ion Ratio Lower Upper

152 100

115 62.4 43.3 129.9

150 157.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.489 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036639.D

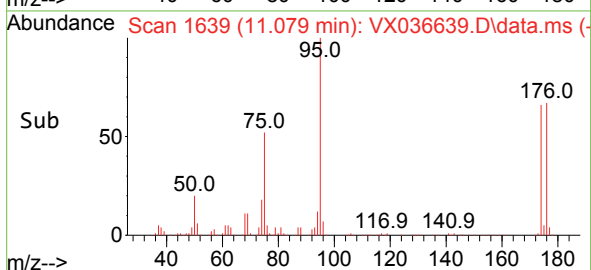
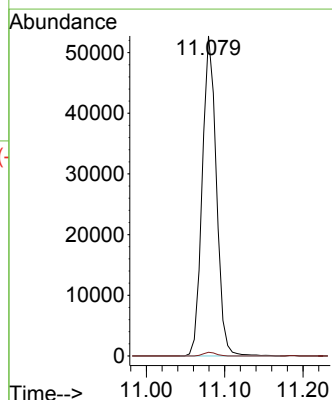
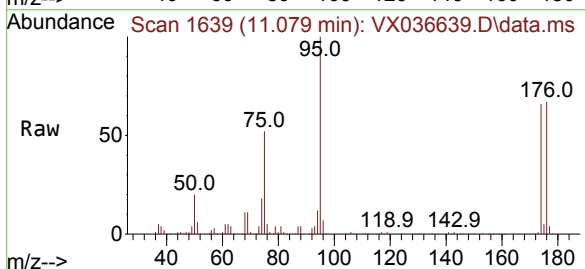
Acq: 24 Jul 2023 18:56

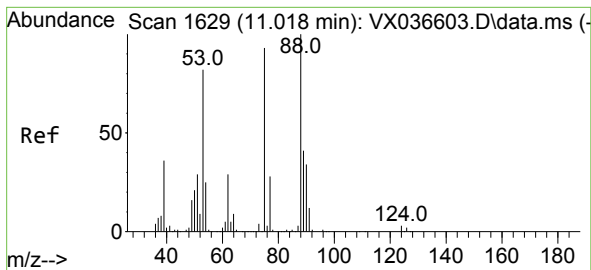
Tgt Ion: 75 Resp: 66101

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.505 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036639.D
 Acq: 24 Jul 2023 18:56

Instrument :
 MSVOA_X
 ClientSampleId :
 GWBR-04-440-455-072423

Tgt Ion: 75 Resp: 66101
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

