

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062423\
 Data File : VX036317.D
 Acq On : 24 Jun 2023 17:24
 Operator : JC/MD
 Sample : 03408-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWOW-BR-05-390-410-062323

Quant Time: Jun 26 03:27:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

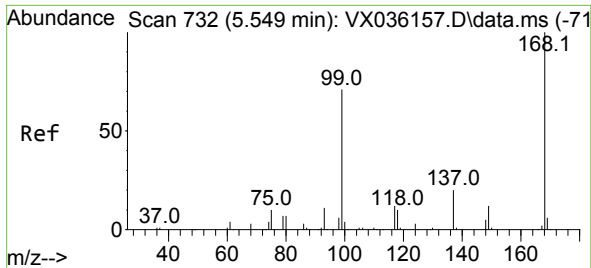
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	193352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	340414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	307611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138686	50.039	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.080%	
35) Dibromofluoromethane	5.385	113	103924	46.300	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.600%	
50) Toluene-d8	8.647	98	399119	47.607	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.220%	
62) 4-Bromofluorobenzene	11.079	95	135716	45.959	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.920%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.142	85	463	0.253	ug/l	83
4) Vinyl Chloride	1.374	62	1924	0.554	ug/l #	82
9) 1,1,2-Trichlorotrifluo...	2.319	101	771	0.348	ug/l #	36
11) Tert butyl alcohol	3.007	59	132	0.262	ug/l #	78
12) 1,1-Dichloroethene	2.325	96	231589	105.393	ug/l	92
16) Acetone	2.404	43	4862	4.104	ug/l	94
20) Methylene Chloride	2.794	84	565	0.222	ug/l #	73
21) trans-1,2-Dichloroethene	3.093	96	19895	8.485	ug/l	99
24) 1,1-Dichloroethane	3.611	63	31859	7.555	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	153513	58.376	ug/l	86
29) Tetrahydrofuran	5.032	42	756	0.698	ug/l #	68
31) Cyclohexane	5.544	56	4526	1.274	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	15676	4.685	ug/l #	51
38) Carbon Tetrachloride	5.556	117	19953	6.529	ug/l #	16
39) Methylcyclohexane	7.129	83	1902	0.475	ug/l #	1
40) Benzene	6.044	78	4071	0.436	ug/l #	87
42) 1,2-Dichloroethane	6.092	62	20131	5.663	ug/l	100
44) Trichloroethene	7.129	130	158665	61.032	ug/l	96
49) 1,4-Dioxane	7.720	88	5473	91.017	ug/l #	93
52) Toluene	8.720	92	353543	59.687	ug/l	97
53) t-1,3-Dichloropropene	8.720	75	4308	1.316	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	72325	24.964	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	72325	81.376	ug/l #	5

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

Quant Time: Jun 26 03:27:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

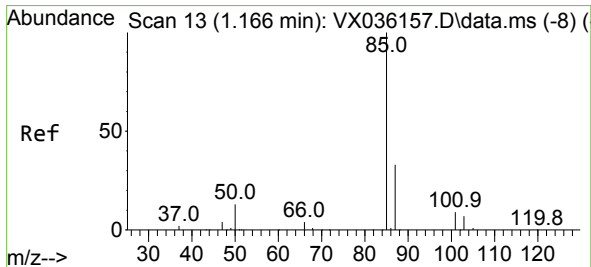
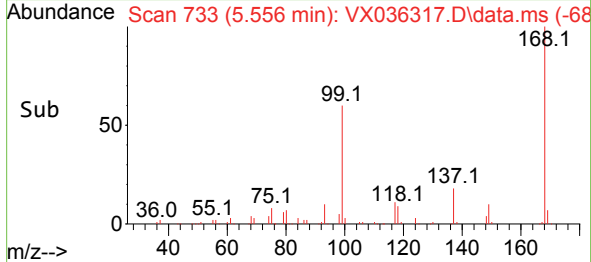
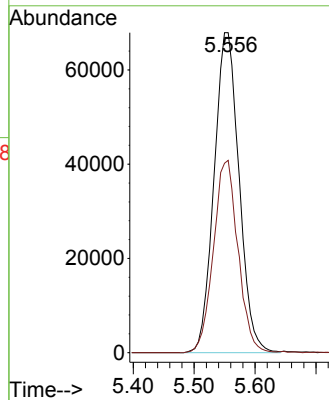
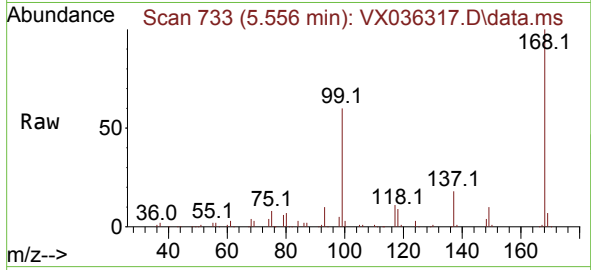




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036317.D
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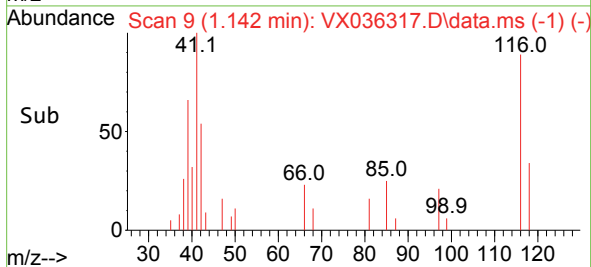
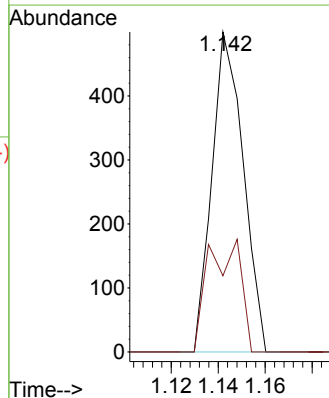
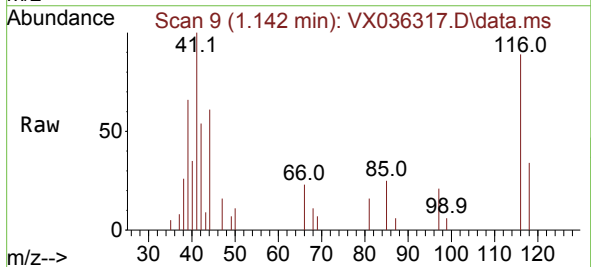
Instrument :
MSVOA_X
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GWOW-BR-05-390-410-062323

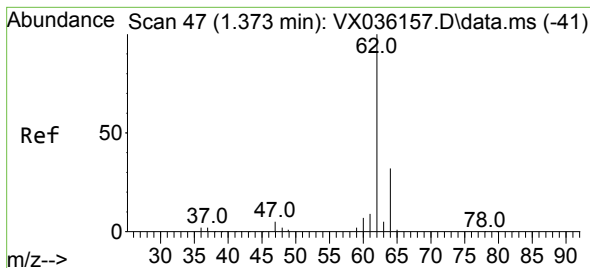
Tgt Ion:168 Resp: 193352
Ion Ratio Lower Upper
168 100
99 60.1 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.253 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

Tgt Ion: 85 Resp: 463
Ion Ratio Lower Upper
85 100
87 23.8 16.7 50.1





#4

Vinyl Chloride

Concen: 0.554 ug/l

RT: 1.374 min Scan# 41

Delta R.T. 0.001 min

Lab File: VX036317.D

Acq: 24 Jun 2023 17:24

Instrument :

MSVOA_X

ClientSampleId :

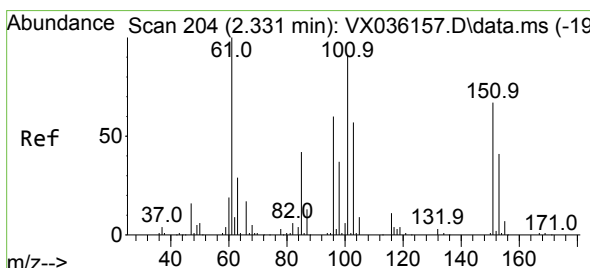
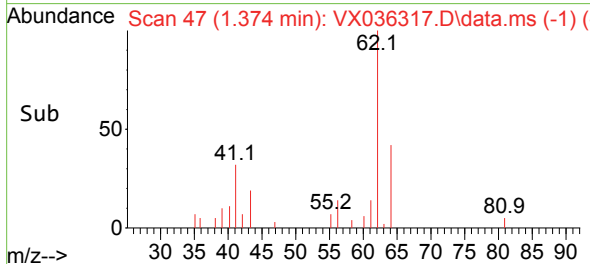
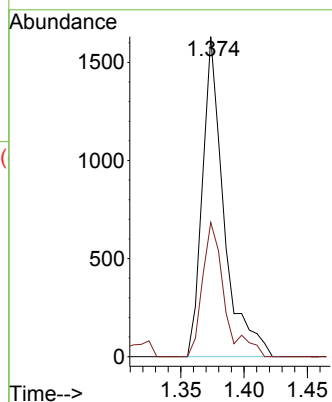
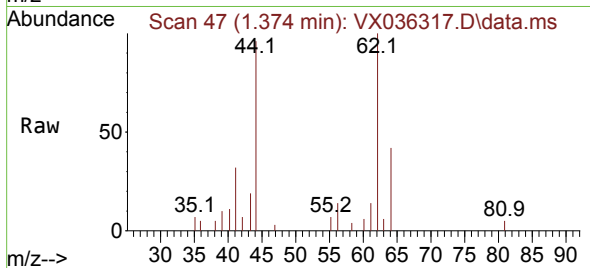
GWOW-BR-05-390-410-062323

Tgt Ion: 62 Resp: 1924

Ion Ratio Lower Upper

62 100

64 41.9 25.4 38.0#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.348 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.012 min

Lab File: VX036317.D

Acq: 24 Jun 2023 17:24

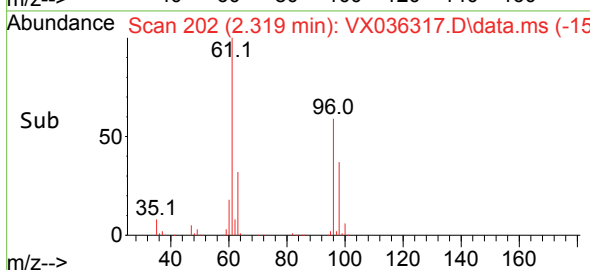
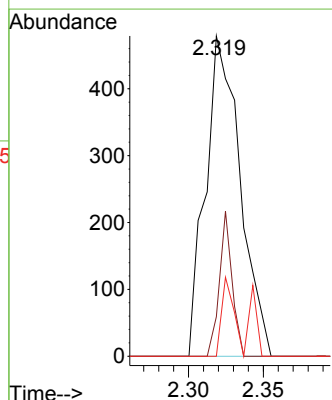
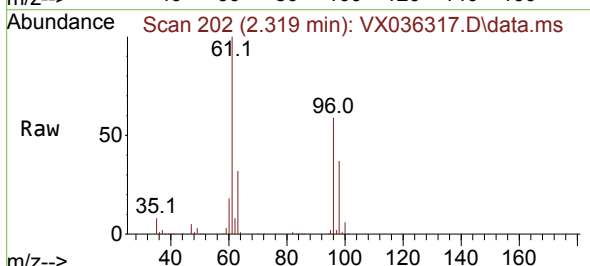
Tgt Ion: 101 Resp: 771

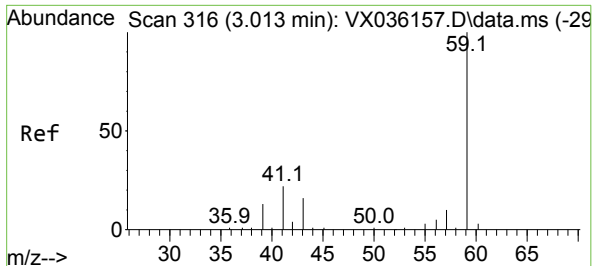
Ion Ratio Lower Upper

101 100

85 16.6 37.0 55.6#

151 8.7 58.6 87.8#

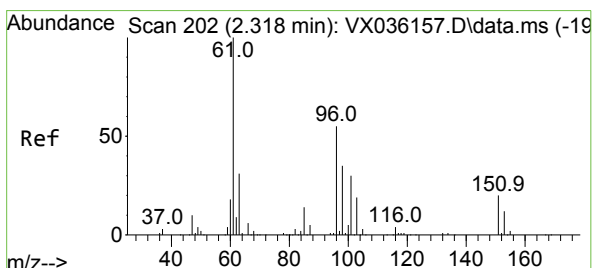
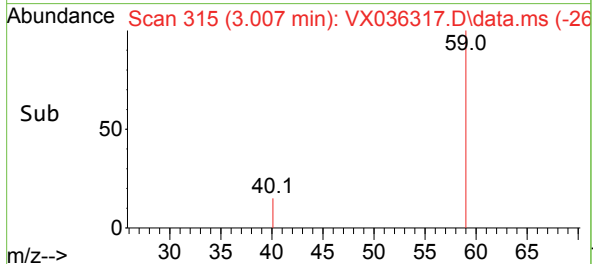
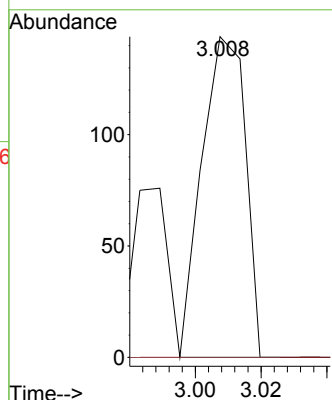
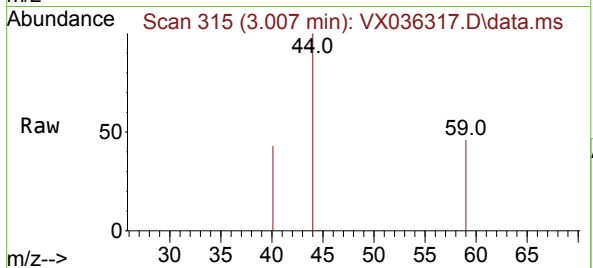




#11
Tert butyl alcohol
Concen: 0.262 ug/l
RT: 3.007 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

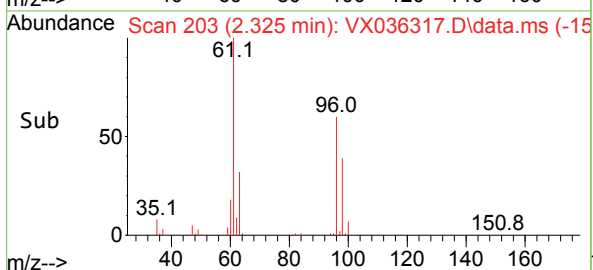
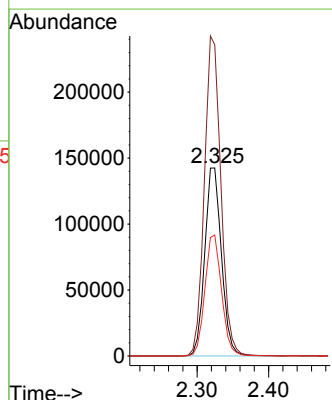
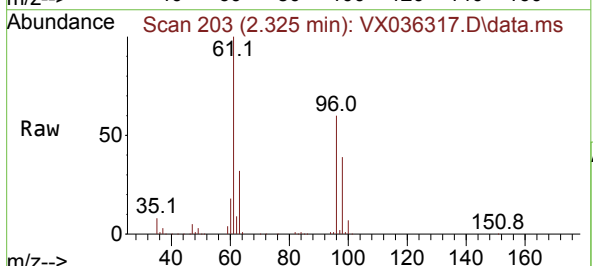
Instrument :
MSVOA_X
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GWOW-BR-05-390-410-062323

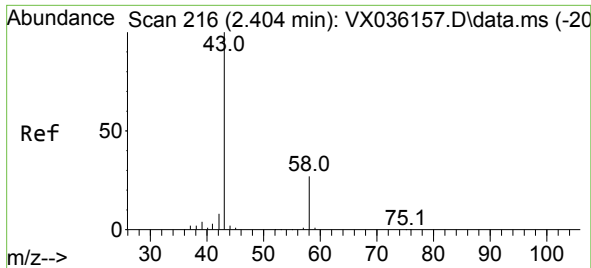
Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 105.393 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

Tgt Ion: 96 Resp: 231589
Ion Ratio Lower Upper
96 100
61 165.5 144.6 216.8
98 64.3 50.4 75.6

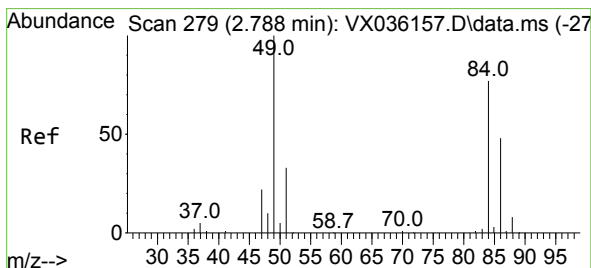
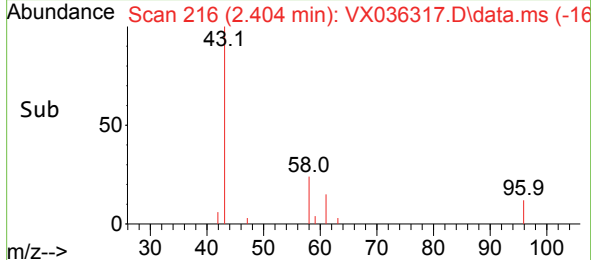
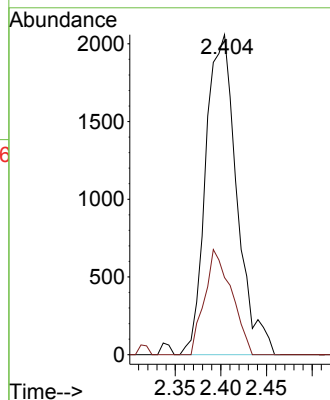
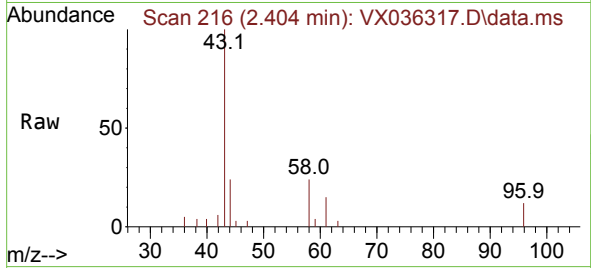




#16
Acetone
Concen: 4.104 ug/l
RT: 2.404 min Scan# 216
Delta R.T. -0.000 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

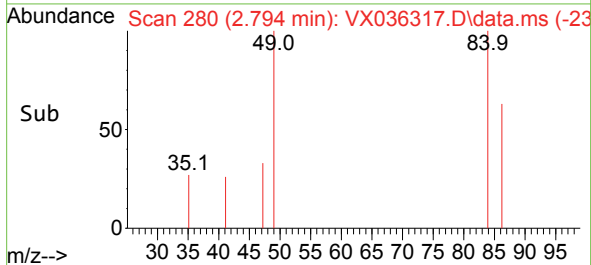
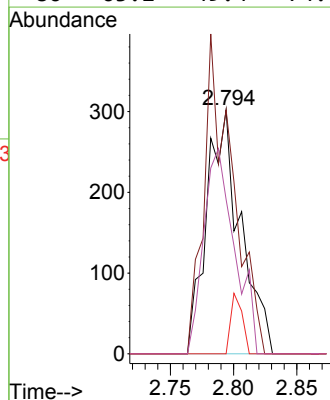
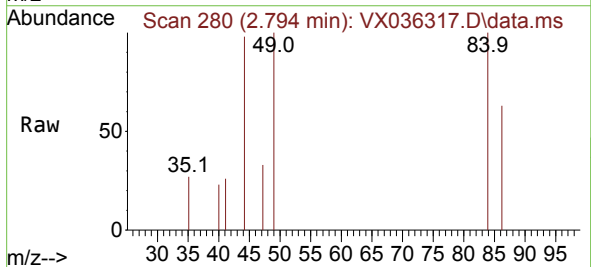
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MSVOA_X
ClientSampleId :
GWOW-BR-05-390-410-062323

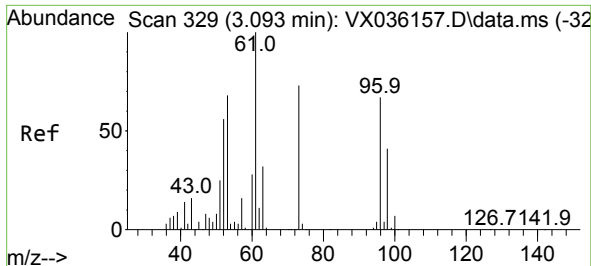
Tgt Ion: 43 Resp: 4862
Ion Ratio Lower Upper
43 100
58 24.1 21.9 32.9



#20
Methylene Chloride
Concen: 0.222 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

Tgt Ion: 84 Resp: 565
Ion Ratio Lower Upper
84 100
49 100.0 103.6 155.4#
51 0.0 33.8 50.6#
86 63.2 49.4 74.0

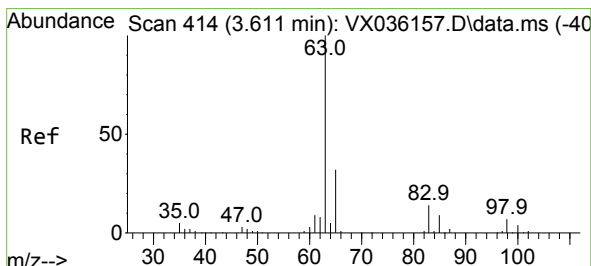
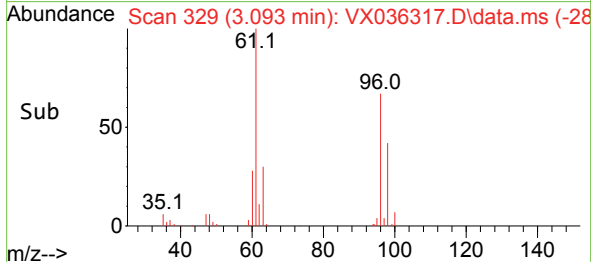
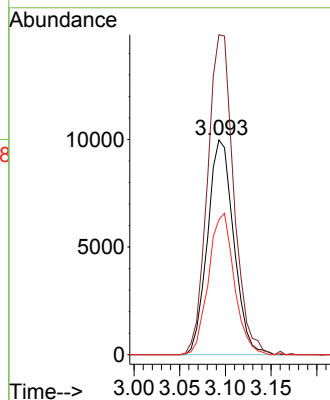
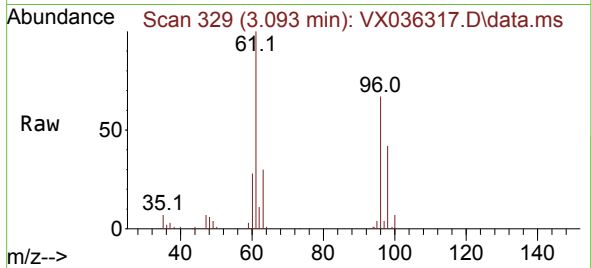




#21
trans-1,2-Dichloroethene
Concen: 8.485 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

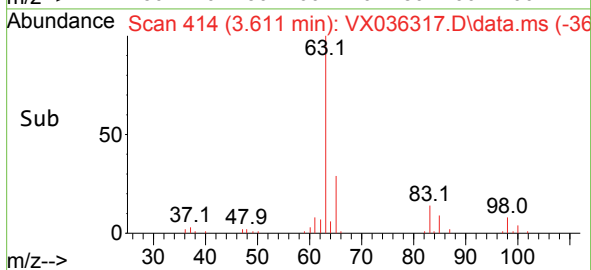
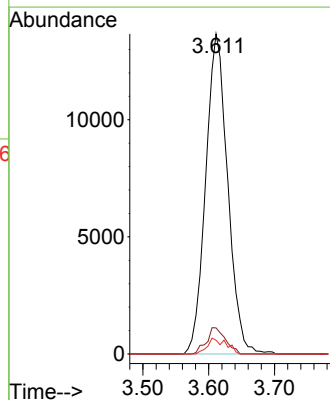
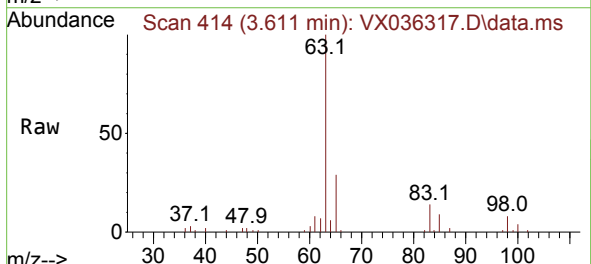
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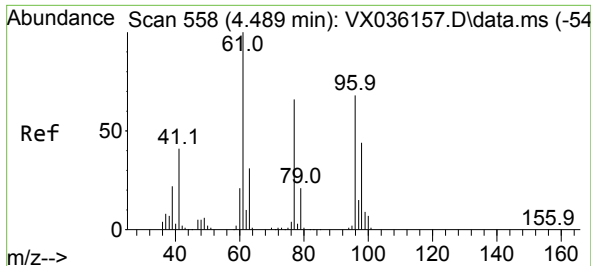
Tgt Ion: 96 Resp: 19895
Ion Ratio Lower Upper
96 100
61 149.1 119.2 178.8
98 62.9 48.7 73.1



#24
1,1-Dichloroethane
Concen: 7.555 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

Tgt Ion: 63 Resp: 31859
Ion Ratio Lower Upper
63 100
98 8.2 3.3 9.8
100 4.3 2.1 6.5

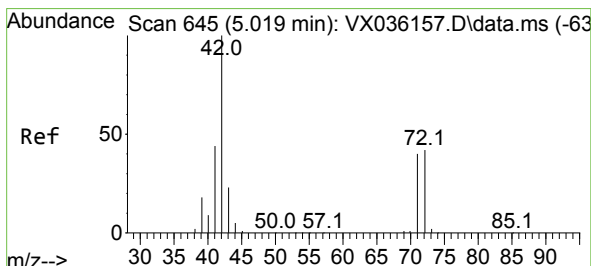
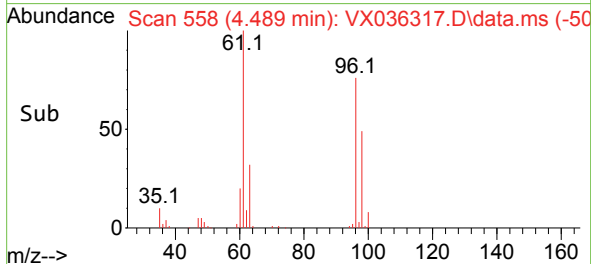
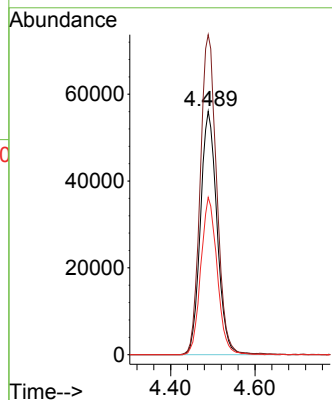
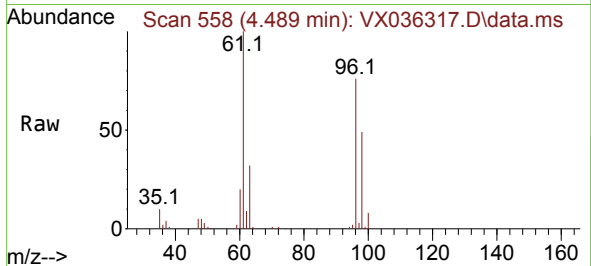




#27
 cis-1,2-Dichloroethene
 Concen: 58.376 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX036317.D
 Acq: 24 Jun 2023 17:24

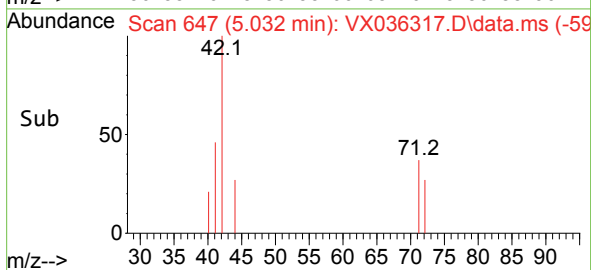
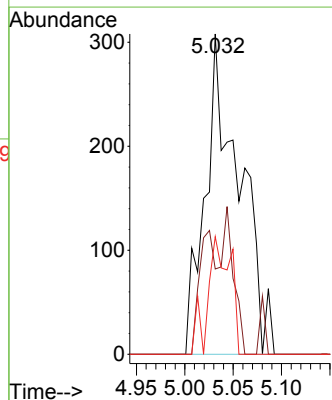
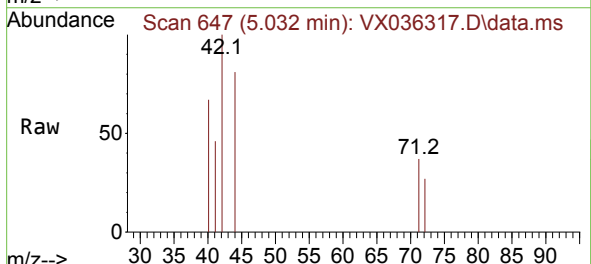
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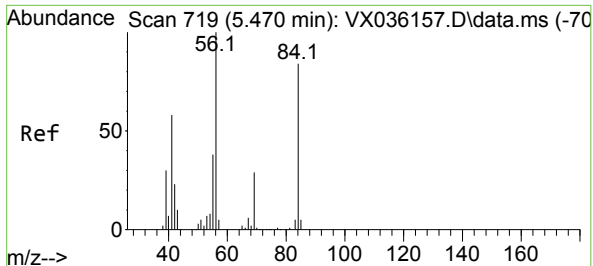
Tgt Ion: 96 Resp: 153513
 Ion Ratio Lower Upper
 96 100
 61 130.1 0.0 312.2
 98 63.7 0.0 129.0



#29
 Tetrahydrofuran
 Concen: 0.698 ug/l
 RT: 5.032 min Scan# 647
 Delta R.T. 0.013 min
 Lab File: VX036317.D
 Acq: 24 Jun 2023 17:24

Tgt Ion: 42 Resp: 756
 Ion Ratio Lower Upper
 42 100
 72 18.3 34.2 51.4#
 71 24.3 32.2 48.2#

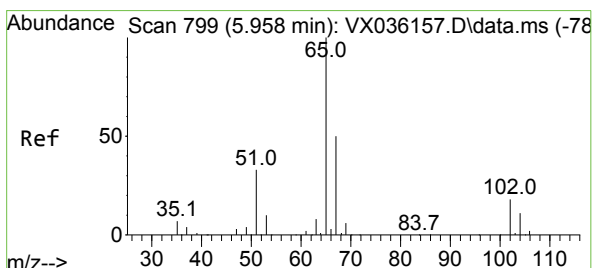
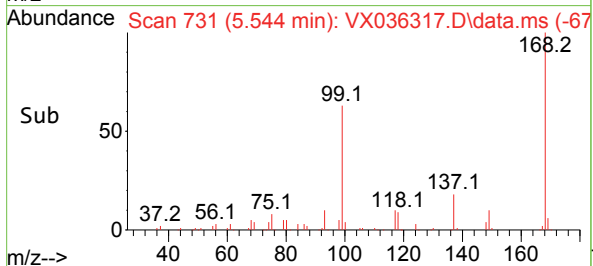
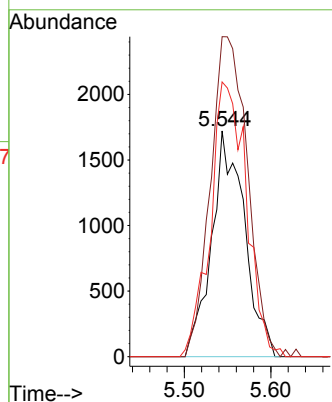
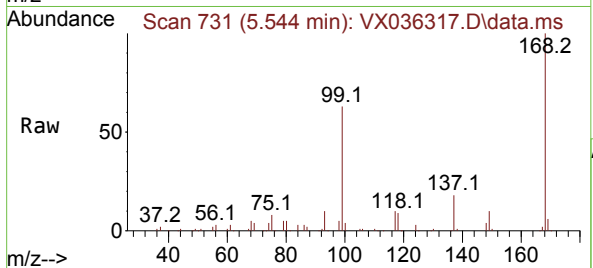




#31
Cyclohexane
Concen: 1.274 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

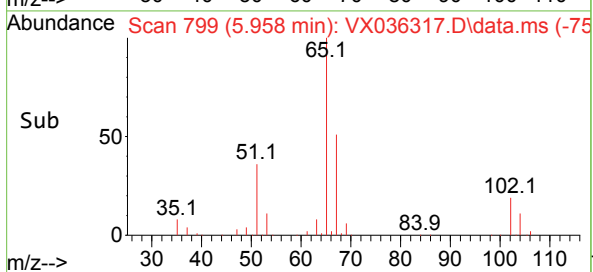
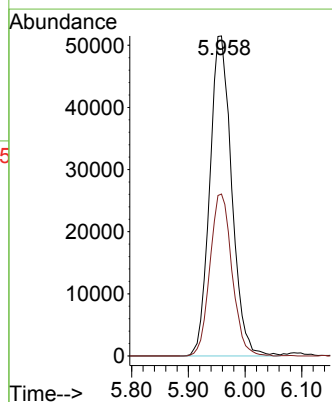
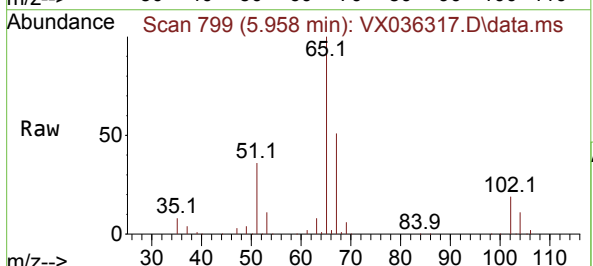
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-390-410-062323

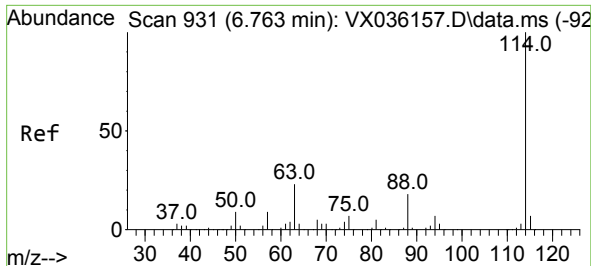
Tgt Ion: 56 Resp: 4526
Ion Ratio Lower Upper
56 100
69 141.8 23.4 35.2#
84 121.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 50.039 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

Tgt Ion: 65 Resp: 138686
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2

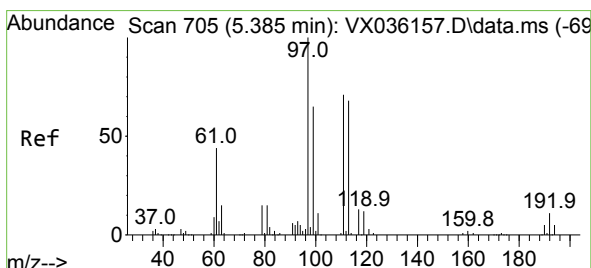
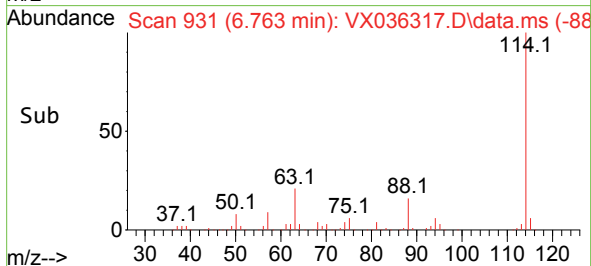
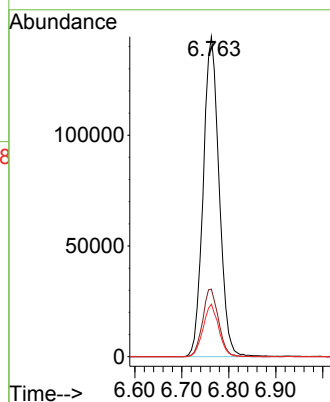
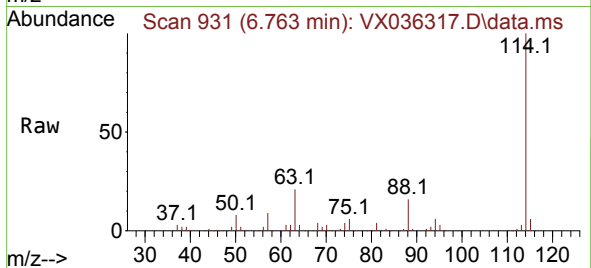




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

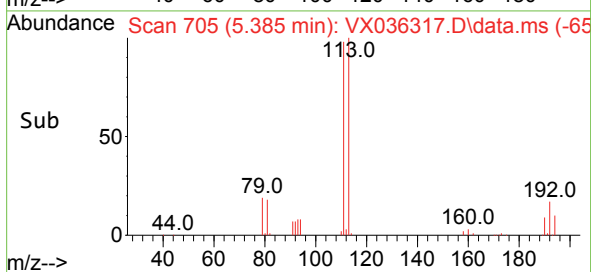
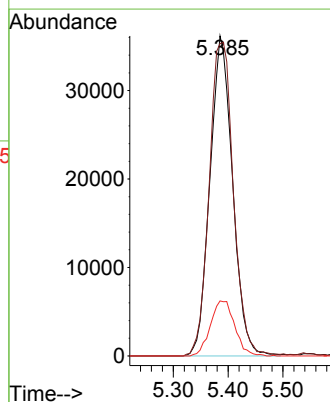
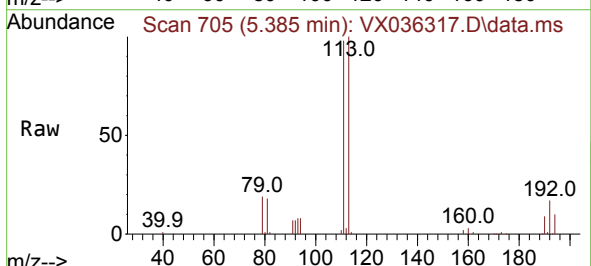
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-390-410-062323

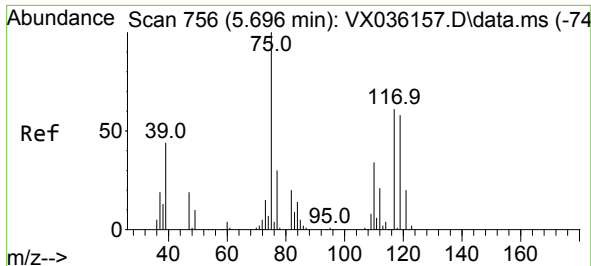
Tgt Ion:114 Resp: 340414
Ion Ratio Lower Upper
114 100
63 21.1 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.300 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

Tgt Ion:113 Resp: 103924
Ion Ratio Lower Upper
113 100
111 104.5 82.9 124.3
192 18.5 13.3 19.9

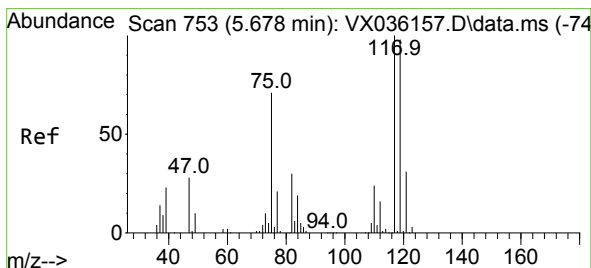
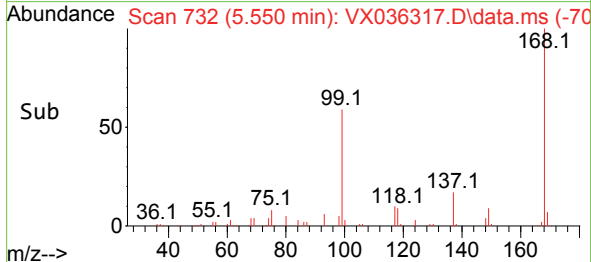
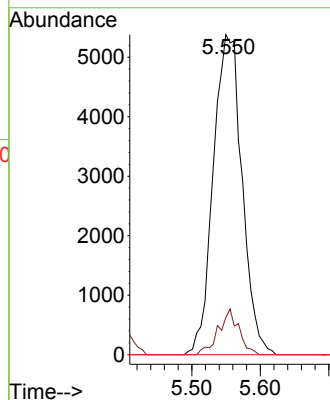
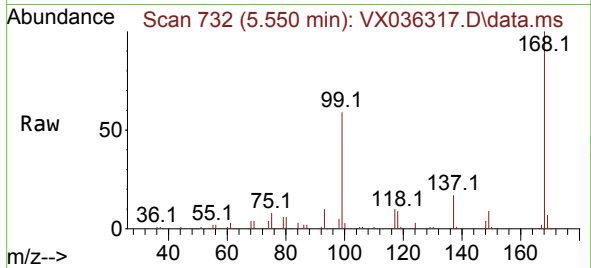




#36
1,1-Dichloropropene
Concen: 4.685 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

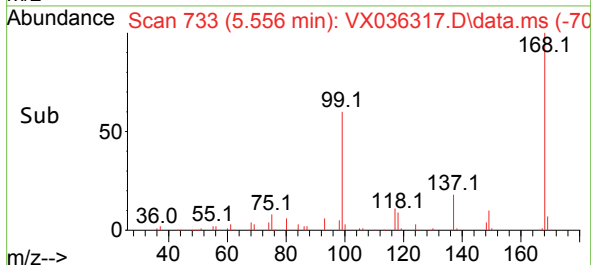
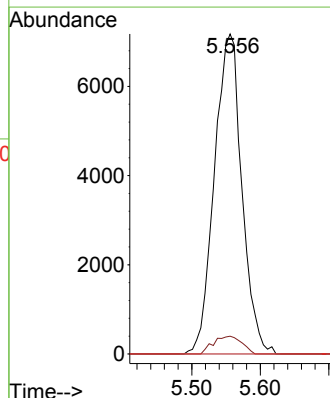
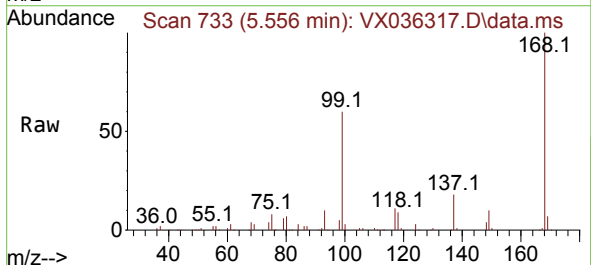
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-390-410-062323

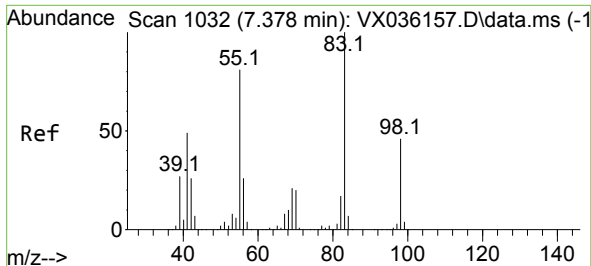
Tgt Ion: 75 Resp: 15676
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.529 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

Tgt Ion: 117 Resp: 19953
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.475 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.249 min

Lab File: VX036317.D

Acq: 24 Jun 2023 17:24

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-05-390-410-062323

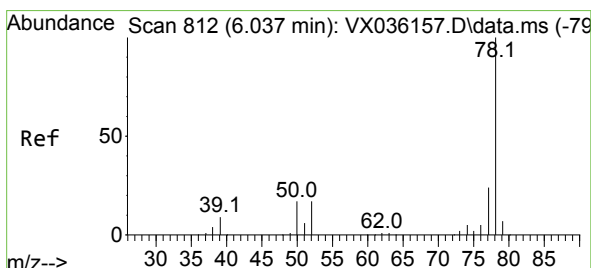
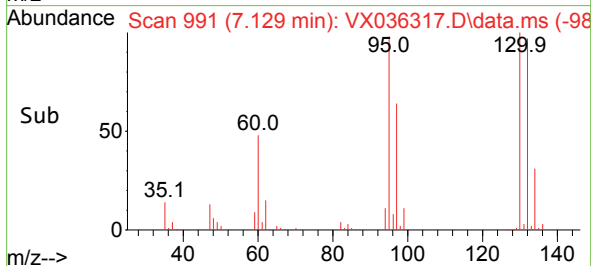
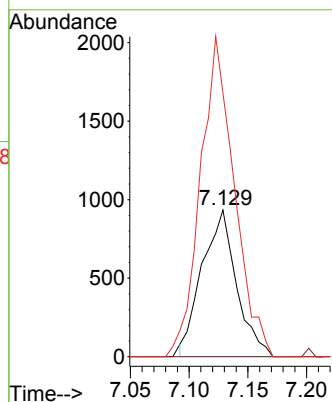
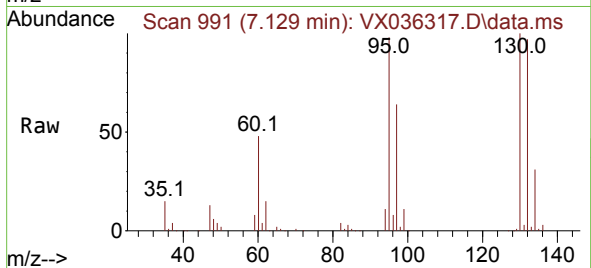
Tgt Ion: 83 Resp: 1902

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 179.9 36.7 55.1#



#40

Benzene

Concen: 0.436 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.007 min

Lab File: VX036317.D

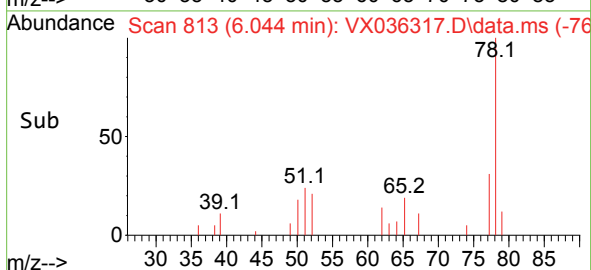
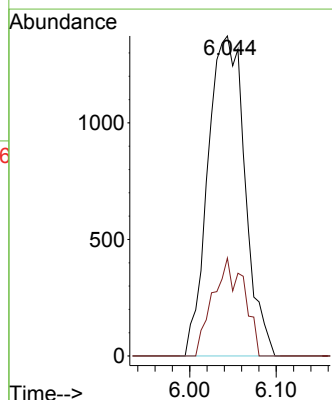
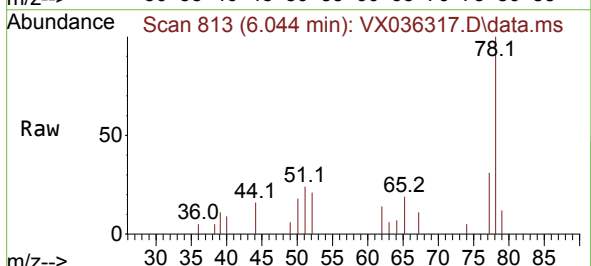
Acq: 24 Jun 2023 17:24

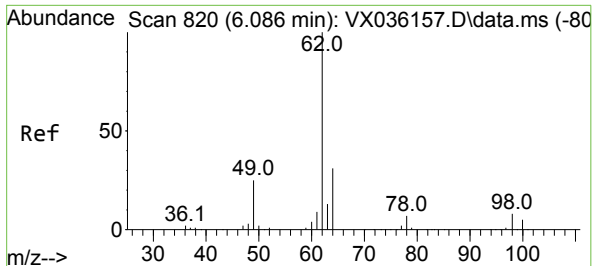
Tgt Ion: 78 Resp: 4071

Ion Ratio Lower Upper

78 100

77 30.6 19.3 28.9#





#42

1,2-Dichloroethane

Concen: 5.663 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX036317.D

Acq: 24 Jun 2023 17:24

Instrument :

MSVOA_X

ClientSampleId :

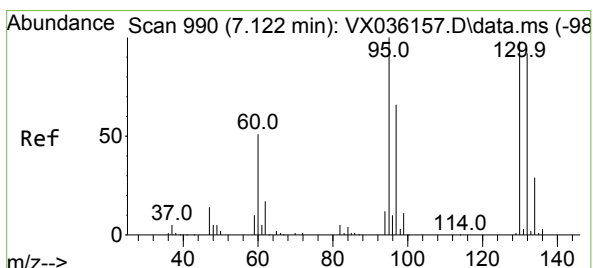
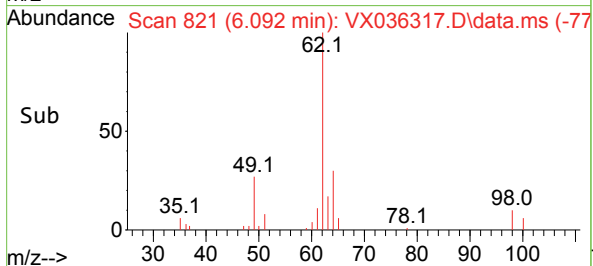
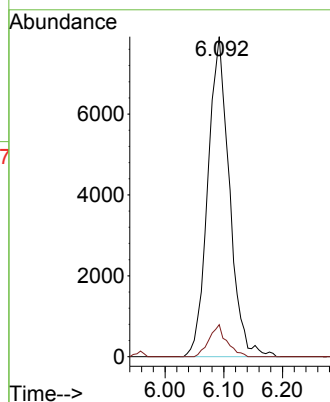
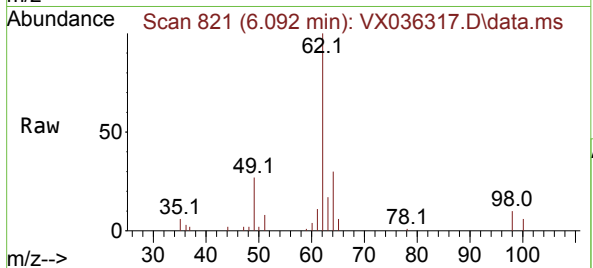
GWOW-BR-05-390-410-062323

Tgt Ion: 62 Resp: 20131

Ion Ratio Lower Upper

62 100

98 8.2 0.0 16.0



#44

Trichloroethene

Concen: 61.032 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.007 min

Lab File: VX036317.D

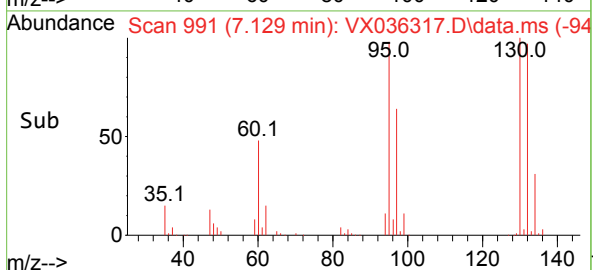
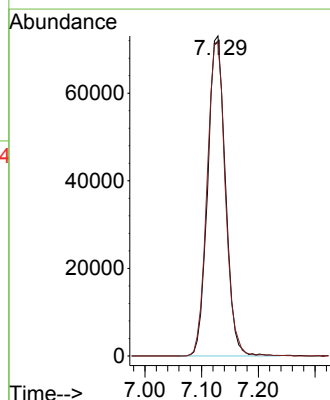
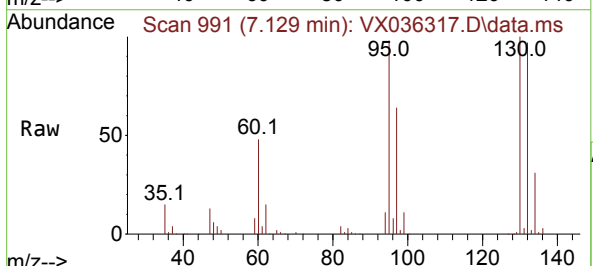
Acq: 24 Jun 2023 17:24

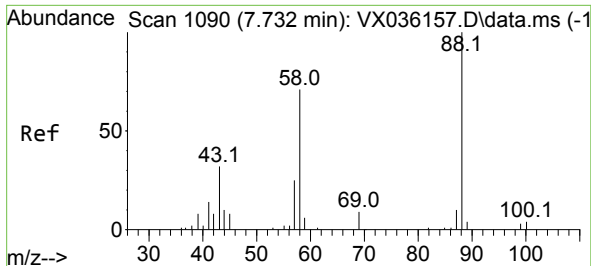
Tgt Ion:130 Resp: 158665

Ion Ratio Lower Upper

130 100

95 98.2 0.0 204.4





#49

1,4-Dioxane

Concen: 91.017 ug/l

RT: 7.720 min Scan# 1090

Delta R.T. -0.012 min

Lab File: VX036317.D

Acq: 24 Jun 2023 17:24

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-05-390-410-062323

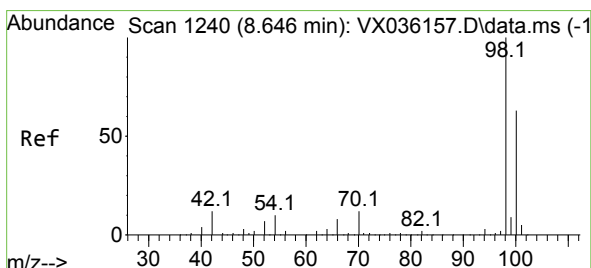
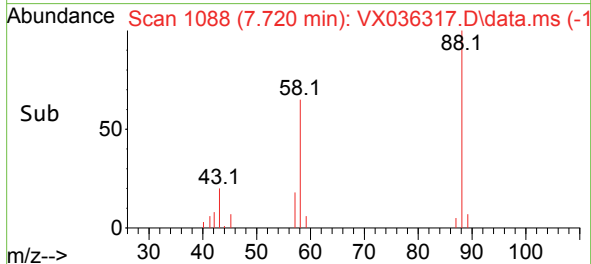
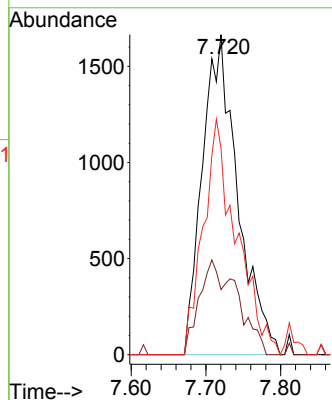
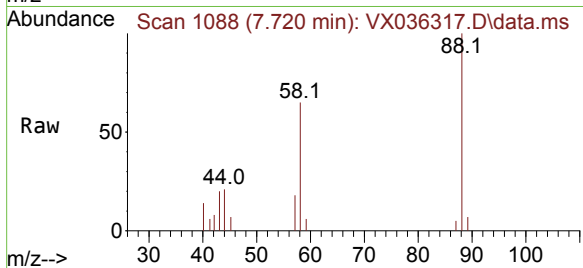
Tgt Ion: 88 Resp: 5473

Ion Ratio Lower Upper

88 100

43 17.4 0.0 0.0#

58 69.2 60.1 90.1



#50

Toluene-d8

Concen: 47.607 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036317.D

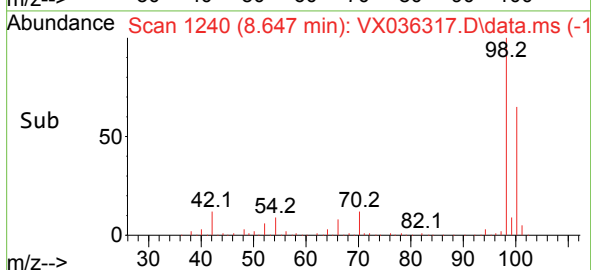
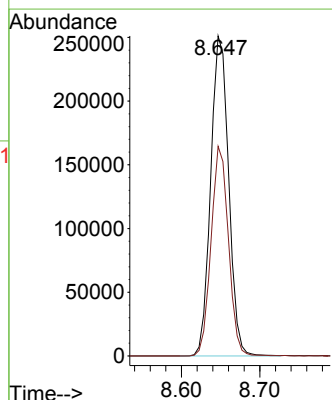
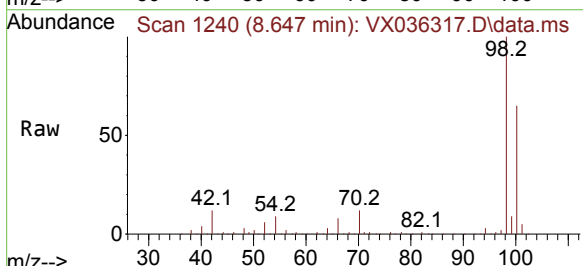
Acq: 24 Jun 2023 17:24

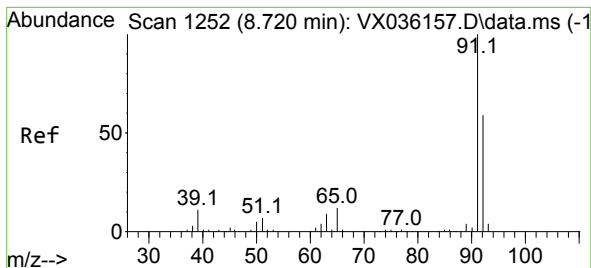
Tgt Ion: 98 Resp: 399119

Ion Ratio Lower Upper

98 100

100 63.5 53.1 79.7





#52

Toluene

Concen: 59.687 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX036317.D

Acq: 24 Jun 2023 17:24

Instrument :

MSVOA_X

ClientSampleId :

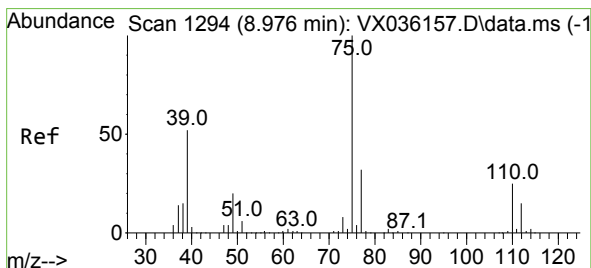
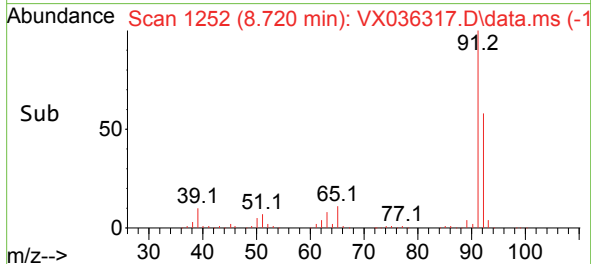
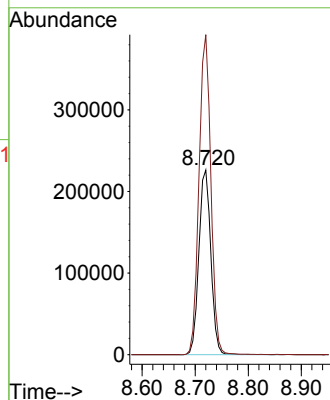
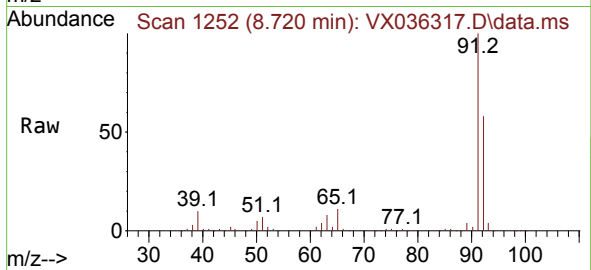
GWOW-BR-05-390-410-062323

Tgt Ion: 92 Resp: 353543

Ion Ratio Lower Upper

92 100

91 172.1 134.2 201.2



#53

t-1,3-Dichloropropene

Concen: 1.316 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.256 min

Lab File: VX036317.D

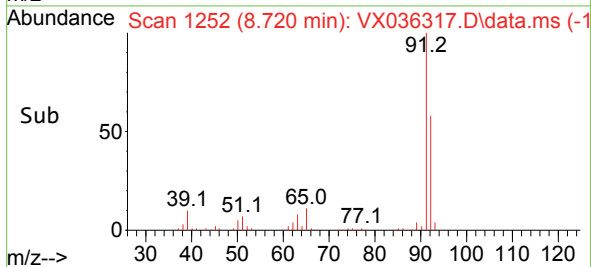
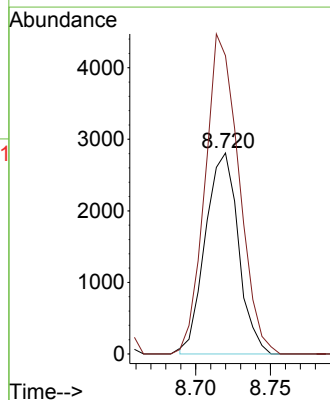
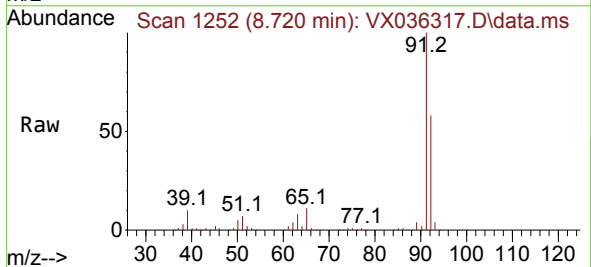
Acq: 24 Jun 2023 17:24

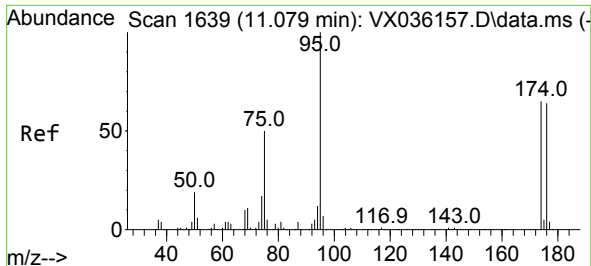
Tgt Ion: 75 Resp: 4308

Ion Ratio Lower Upper

75 100

77 148.5 25.7 38.5#

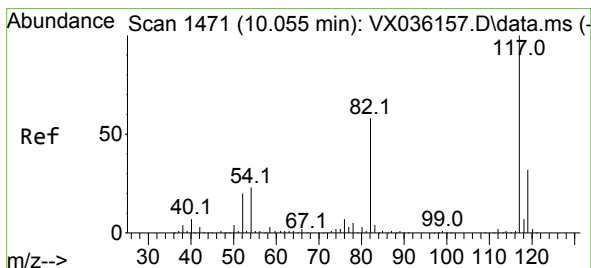
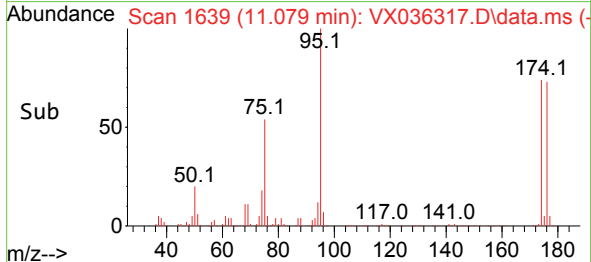
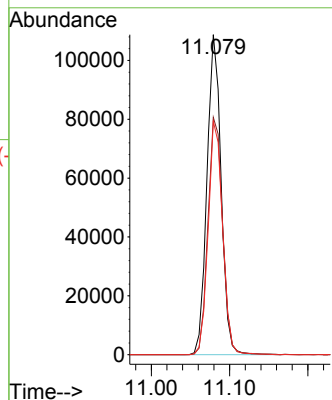
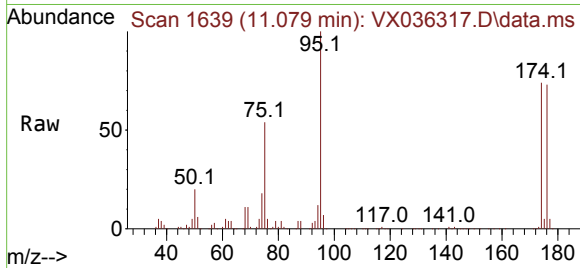




#62
4-Bromofluorobenzene
Concen: 45.959 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

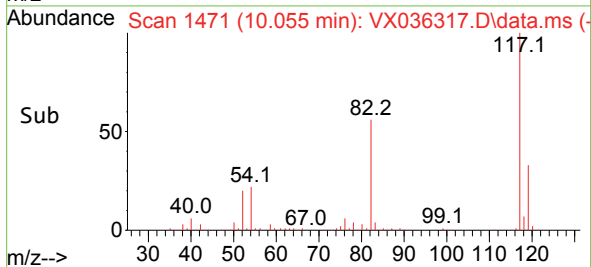
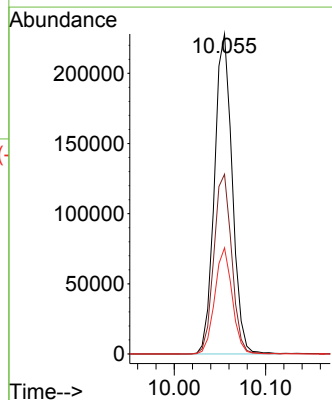
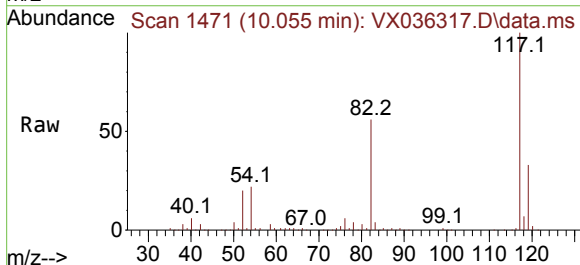
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-390-410-062323

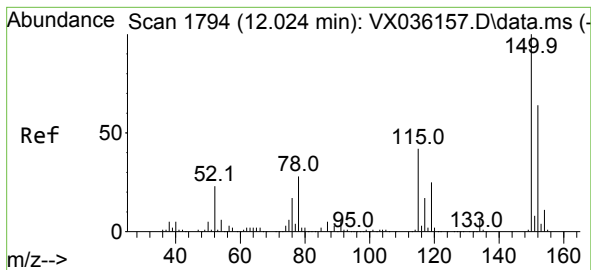
Tgt Ion: 95 Resp: 135716
Ion Ratio Lower Upper
95 100
174 77.2 0.0 135.6
176 74.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036317.D
Acq: 24 Jun 2023 17:24

Tgt Ion: 117 Resp: 307611
Ion Ratio Lower Upper
117 100
82 56.2 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: VX036317.D

Acq: 24 Jun 2023 17:24

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-05-390-410-062323

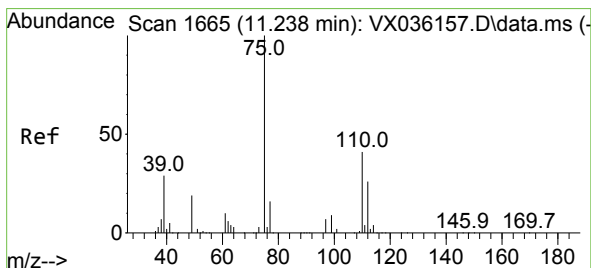
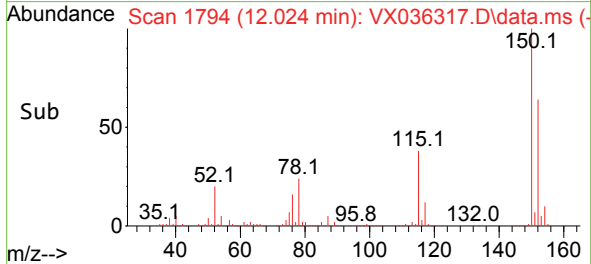
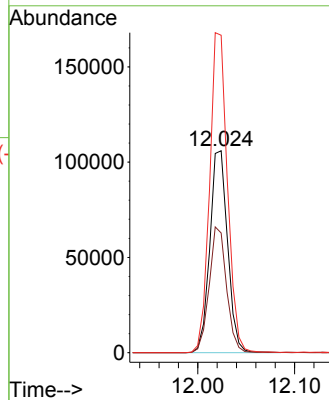
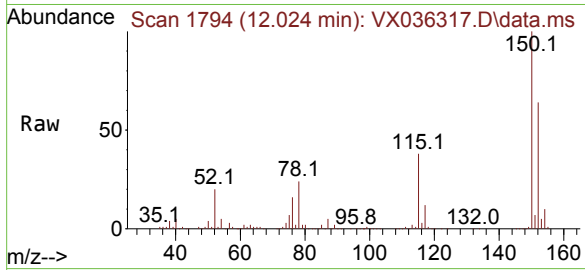
Tgt Ion:152 Resp: 135825

Ion Ratio Lower Upper

152 100

115 60.8 43.3 129.9

150 158.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.964 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036317.D

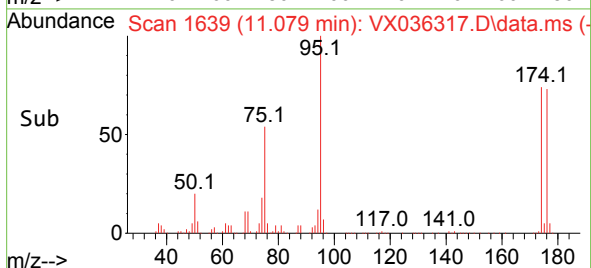
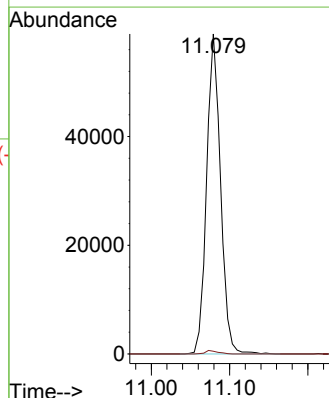
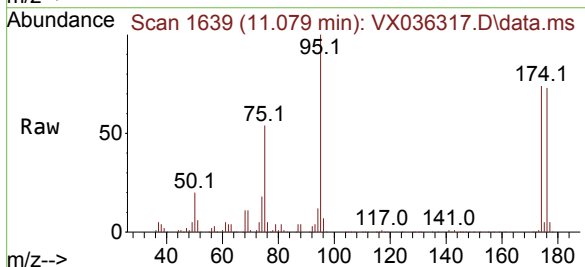
Acq: 24 Jun 2023 17:24

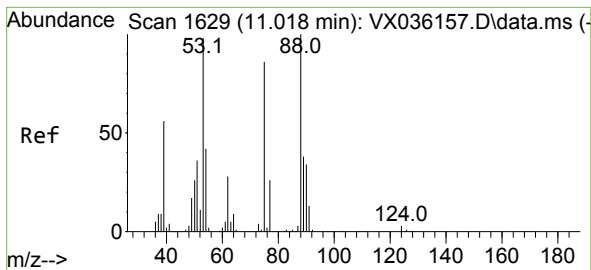
Tgt Ion: 75 Resp: 72325

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.376 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036317.D
 Acq: 24 Jun 2023 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 GWOW-BR-05-390-410-062323

Tgt Ion: 75 Resp: 72325
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

