

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063023\
 Data File : VX036387.D
 Acq On : 30 Jun 2023 12:15
 Operator : JC/MD
 Sample : 03491-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWOW-BR-05-167-187-062923

Quant Time: Jul 01 01:19:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

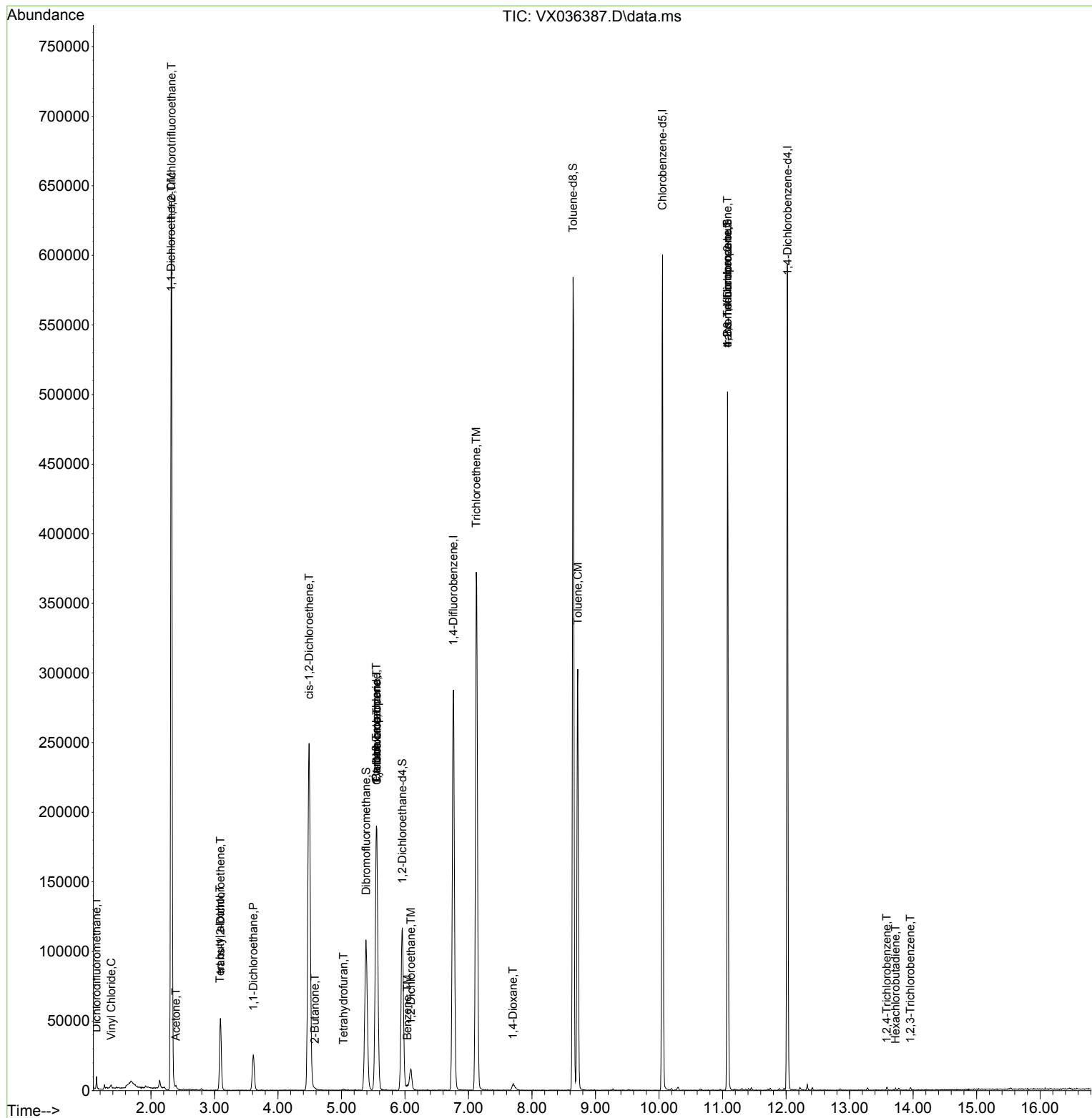
Internal Standards						
1) Pentafluorobenzene	5.550	168	177889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	301281	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	111099	43.570	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.140%		
35) Dibromofluoromethane	5.385	113	92579	46.603	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.200%		
50) Toluene-d8	8.647	98	352185	47.466	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.940%		
62) 4-Bromofluorobenzene	11.079	95	125502	48.021	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.142	85	478	0.284	ug/l	98
4) Vinyl Chloride	1.374	62	1766	0.553	ug/l #	88
9) 1,1,2-Trichlorotrifluo...	2.325	101	571	0.280	ug/l #	33
11) Tert butyl alcohol	3.087	59	1019	2.195	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	201620	99.730	ug/l	92
16) Acetone	2.392	43	3133	2.875	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	20329	9.423	ug/l	94
24) 1,1-Dichloroethane	3.611	63	27920	7.196	ug/l	98
25) 2-Butanone	4.580	43	346	0.221	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	152693	63.112	ug/l	84
29) Tetrahydrofuran	5.032	42	390	0.391	ug/l #	45
31) Cyclohexane	5.556	56	4172	1.277	ug/l #	20
36) 1,1-Dichloropropene	5.556	75	14298	4.828	ug/l #	51
38) Carbon Tetrachloride	5.550	117	18749	6.932	ug/l #	13
40) Benzene	6.037	78	3230	0.390	ug/l	95
42) 1,2-Dichloroethane	6.092	62	16807	5.342	ug/l	99
44) Trichloroethene	7.123	130	143276	62.271	ug/l	100
49) 1,4-Dioxane	7.702	88	5468	102.746	ug/l #	89
52) Toluene	8.720	92	114127	21.770	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	65404	25.328	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	65404	82.561	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.585	180	694	0.277	ug/l	95
94) Hexachlorobutadiene	13.725	225	233	0.227	ug/l #	72
96) 1,2,3-Trichlorobenzene	13.957	180	604	0.248	ug/l	84

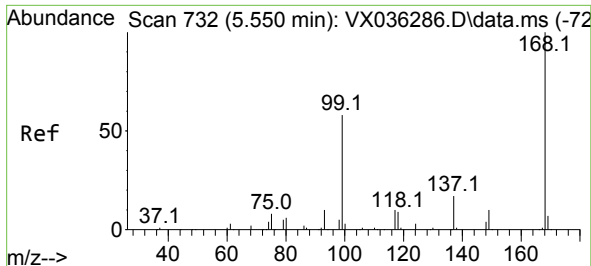
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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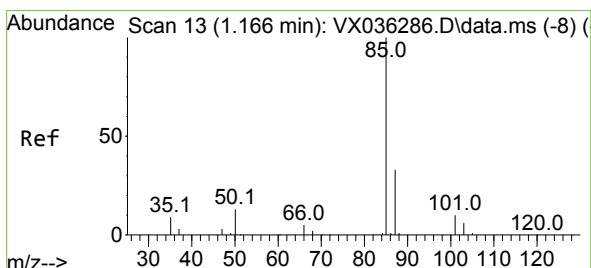
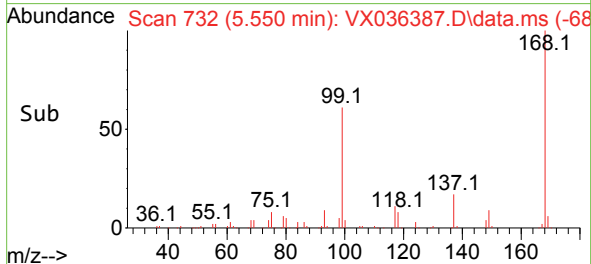
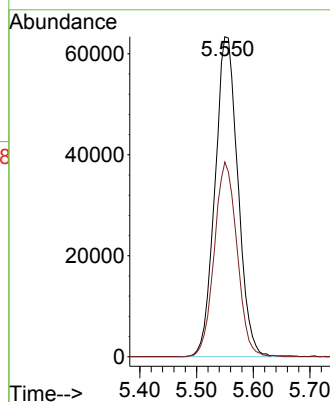
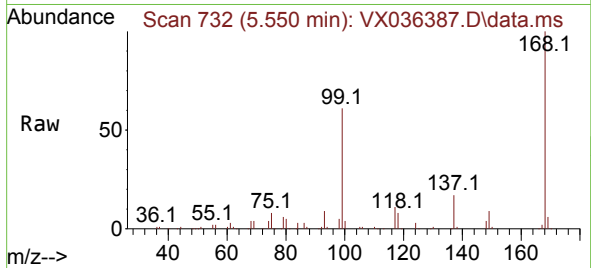




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

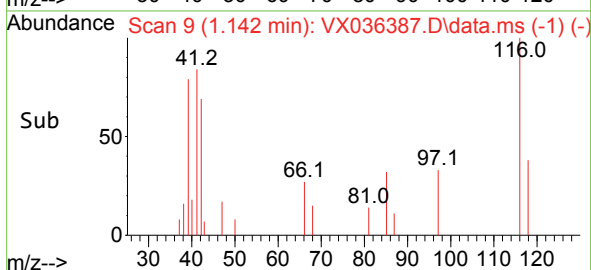
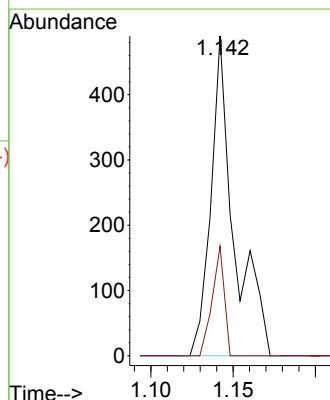
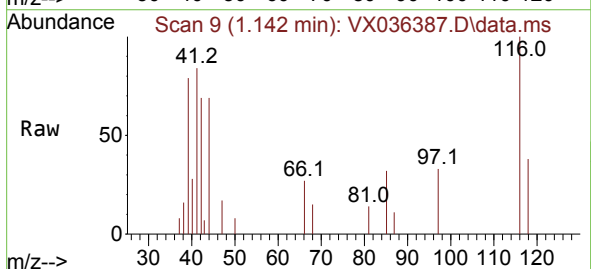
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-167-187-062923

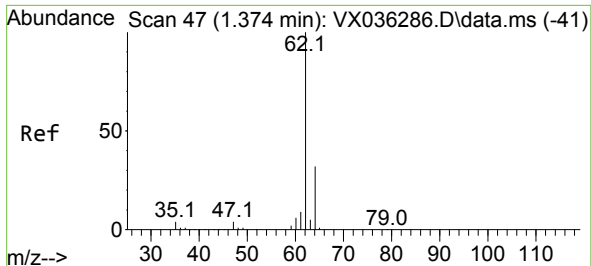
Tgt Ion:168 Resp: 177889
Ion Ratio Lower Upper
168 100
99 60.8 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.284 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

Tgt Ion: 85 Resp: 478
Ion Ratio Lower Upper
85 100
87 34.3 16.7 50.1

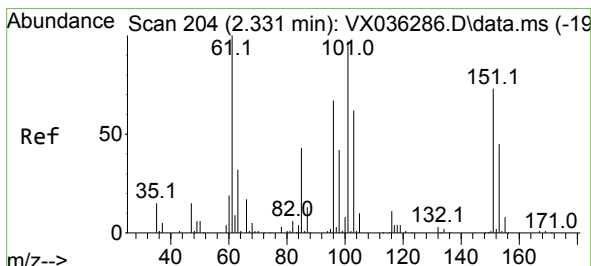
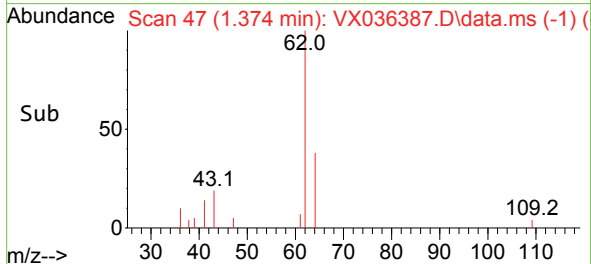
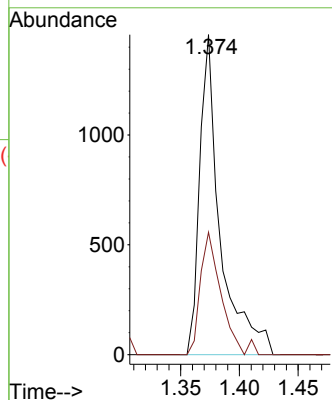
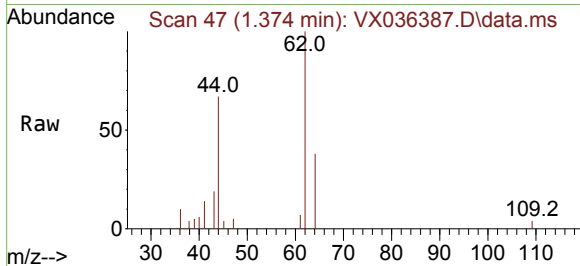




#4
 Vinyl Chloride
 Concen: 0.553 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VX036387.D
 Acq: 30 Jun 2023 12:15

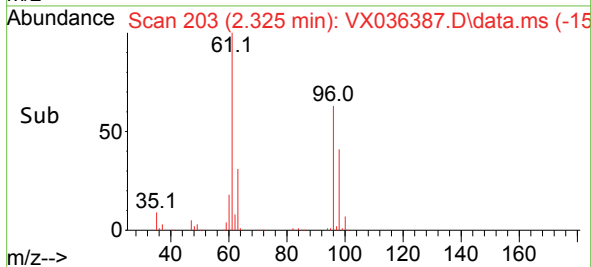
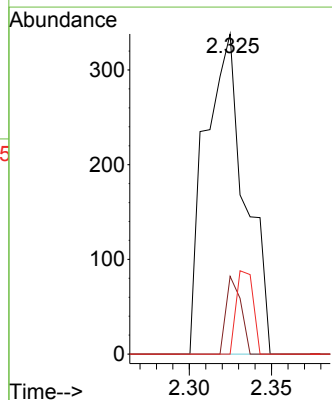
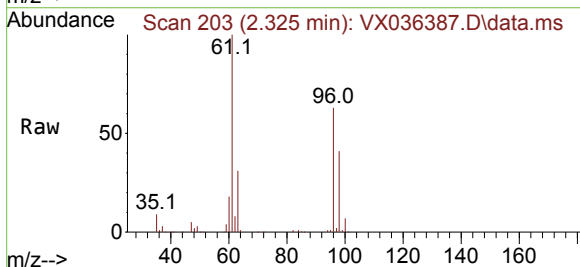
Instrument :
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 ClientSampleId :
 GWOW-BR-05-167-187-062923

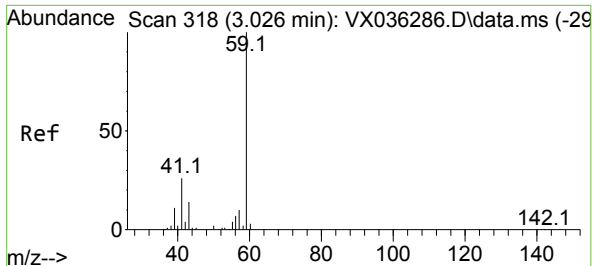
Tgt Ion: 62 Resp: 1766
 Ion Ratio Lower Upper
 62 100
 64 38.2 25.4 38.0#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.280 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. -0.006 min
 Lab File: VX036387.D
 Acq: 30 Jun 2023 12:15

Tgt Ion: 101 Resp: 571
 Ion Ratio Lower Upper
 101 100
 85 9.1 37.0 55.6#
 151 11.0 58.6 87.8#

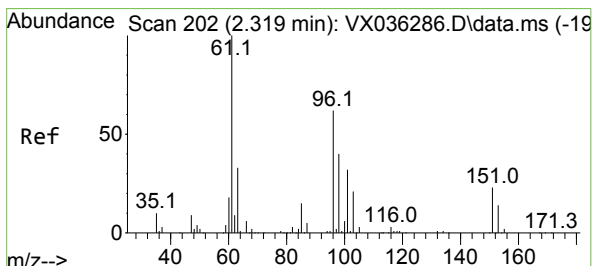
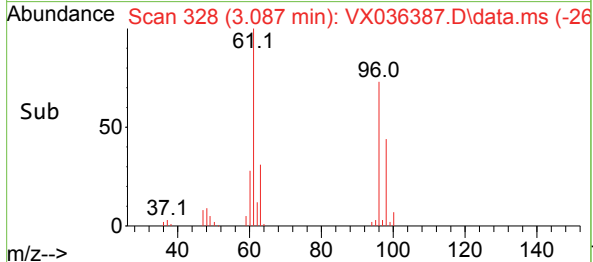
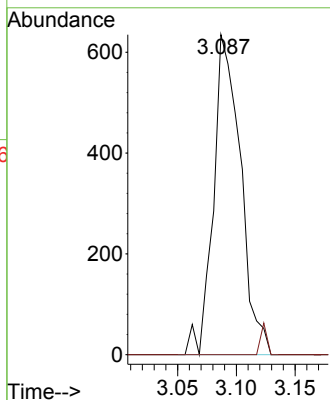
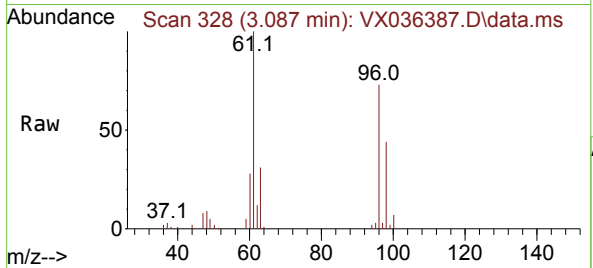




#11
Tert butyl alcohol
Concen: 2.195 ug/l
RT: 3.087 min Scan# 318
Delta R.T. 0.074 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

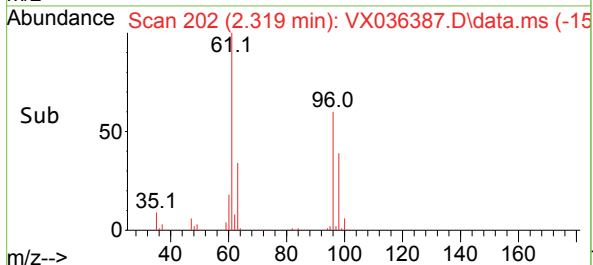
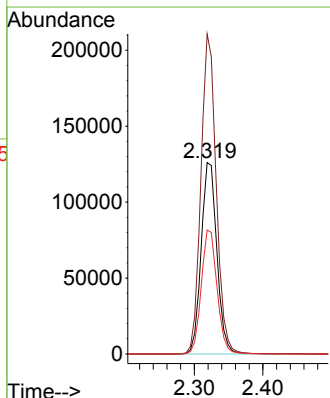
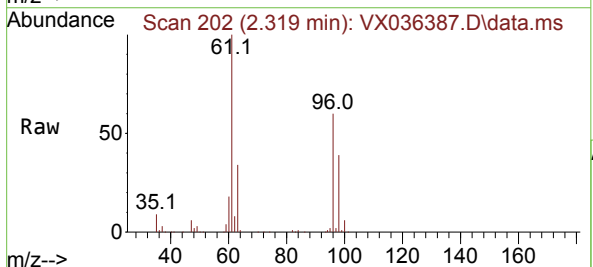
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-167-187-062923

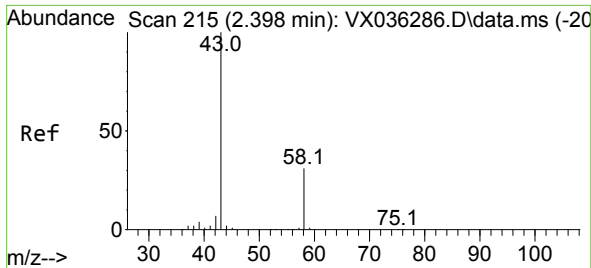
Tgt Ion: 59 Resp: 1019
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 99.730 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.001 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

Tgt Ion: 96 Resp: 201620
Ion Ratio Lower Upper
96 100
61 167.2 144.6 216.8
98 64.8 50.4 75.6





#16

Acetone

Concen: 2.875 ug/l

RT: 2.392 min Scan# 21

Delta R.T. -0.012 min

Lab File: VX036387.D

Acq: 30 Jun 2023 12:15

Instrument :

MSVOA_X

ClientSampleId :

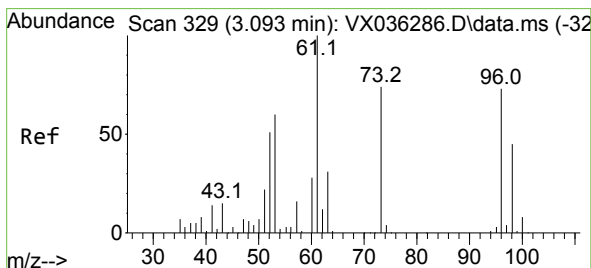
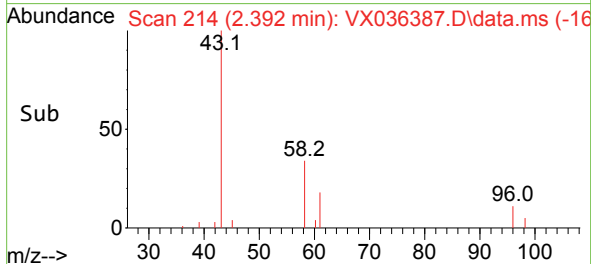
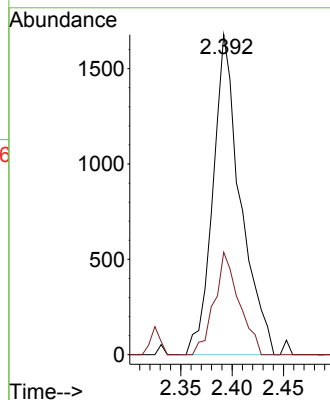
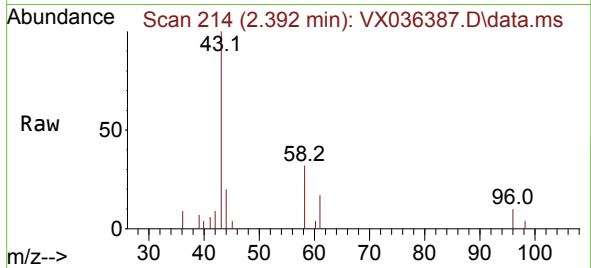
GWOW-BR-05-167-187-062923

Tgt Ion: 43 Resp: 3133

Ion Ratio Lower Upper

43 100

58 32.0 21.9 32.9



#21

trans-1,2-Dichloroethene

Concen: 9.423 ug/l

RT: 3.093 min Scan# 329

Delta R.T. -0.000 min

Lab File: VX036387.D

Acq: 30 Jun 2023 12:15

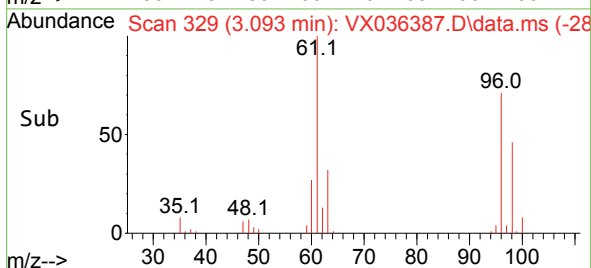
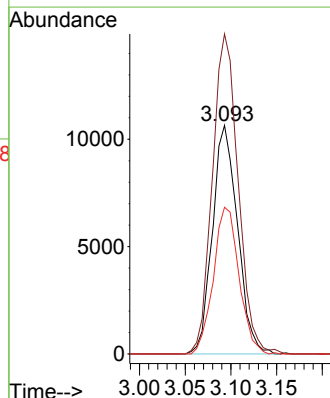
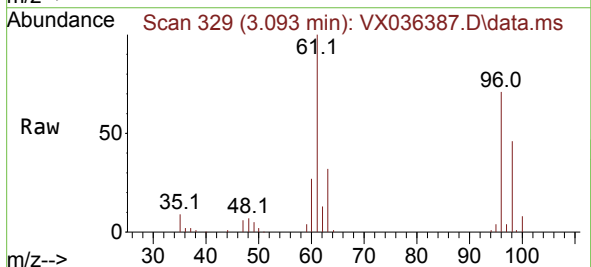
Tgt Ion: 96 Resp: 20329

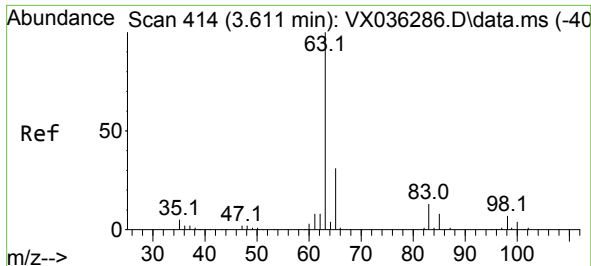
Ion Ratio Lower Upper

96 100

61 140.0 119.2 178.8

98 64.2 48.7 73.1

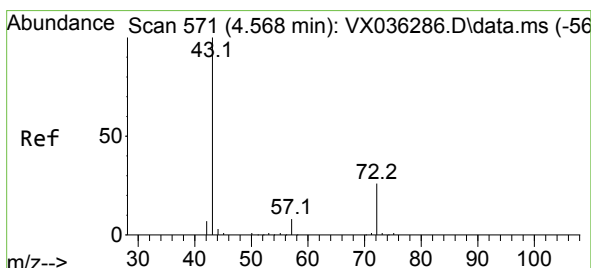
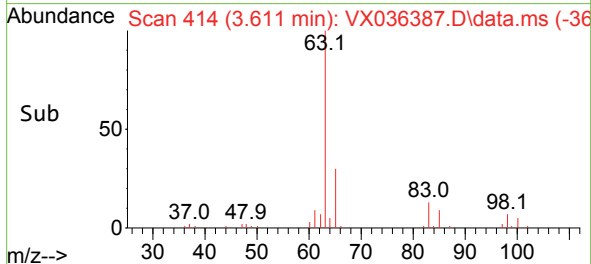
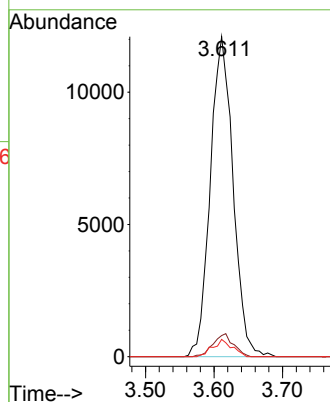
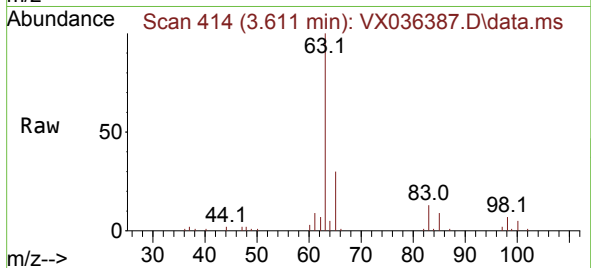




#24
1,1-Dichloroethane
Concen: 7.196 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

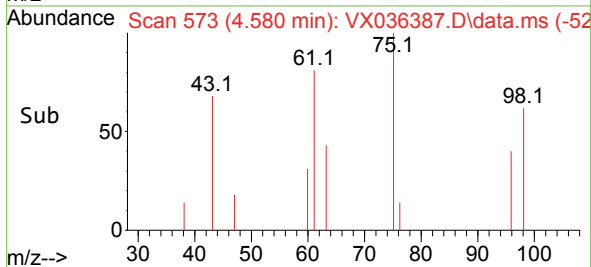
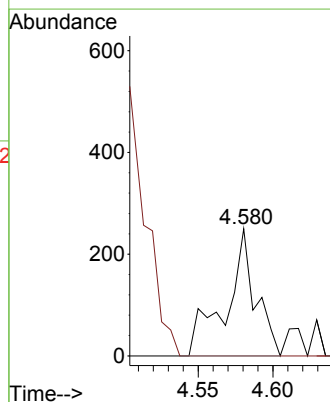
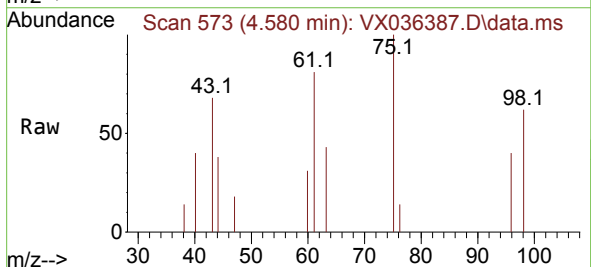
Instrument : MSVOA_X
ClientSampleId : GWOW-BR-05-167-187-062923

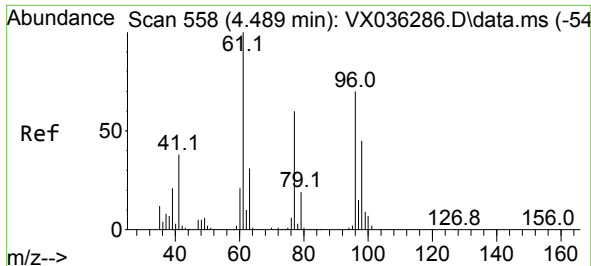
Tgt Ion: 63 Resp: 27920
Ion Ratio Lower Upper
63 100
98 6.6 3.3 9.8
100 5.4 2.1 6.5



#25
2-Butanone
Concen: 0.221 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 63.112 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX036387.D

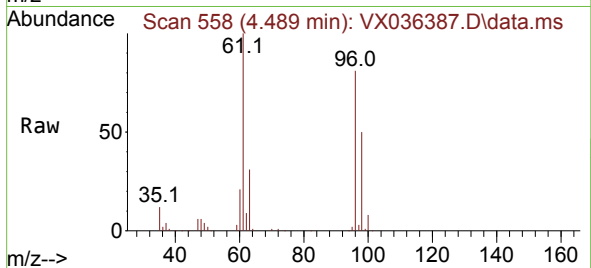
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Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-05-167-187-062923



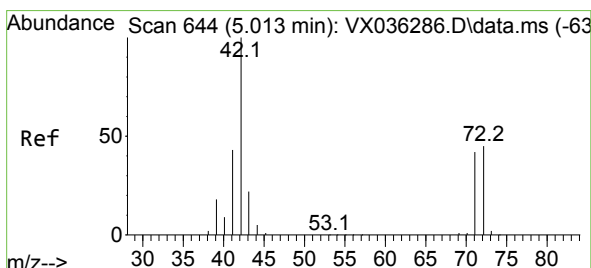
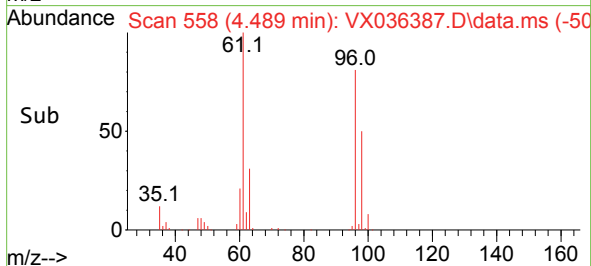
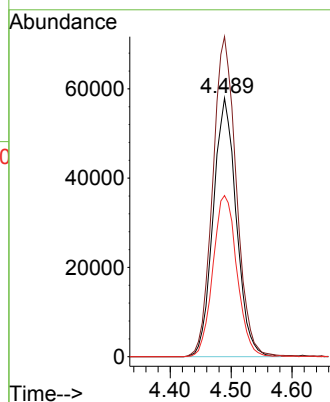
Tgt Ion: 96 Resp: 152693

Ion Ratio Lower Upper

96 100

61 126.5 0.0 312.2

98 64.7 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.391 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX036387.D

Acq: 30 Jun 2023 12:15

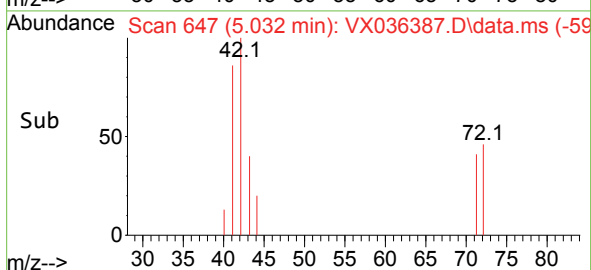
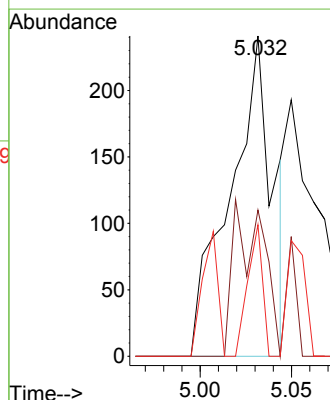
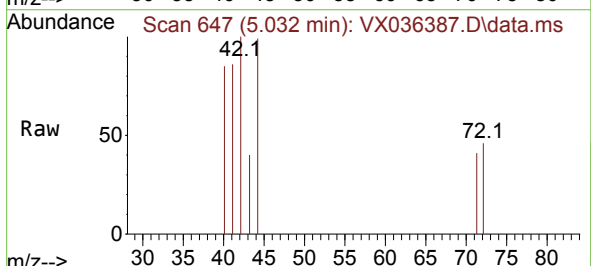
Tgt Ion: 42 Resp: 390

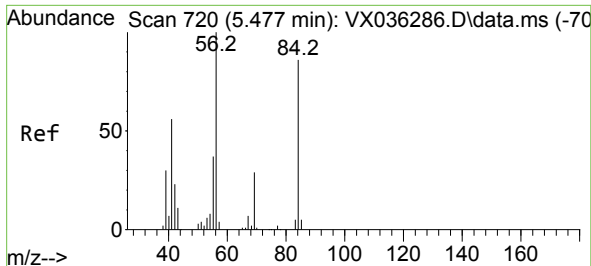
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 14.4 32.2 48.2#

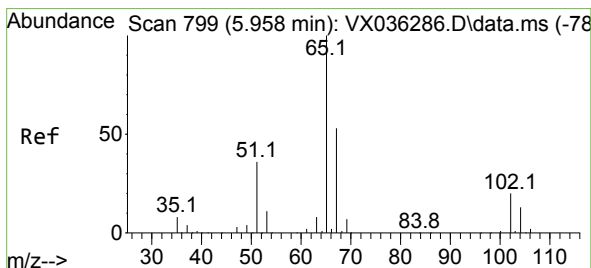
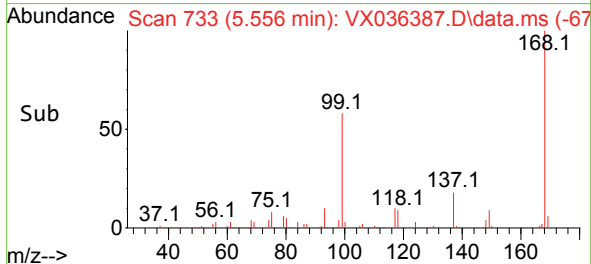
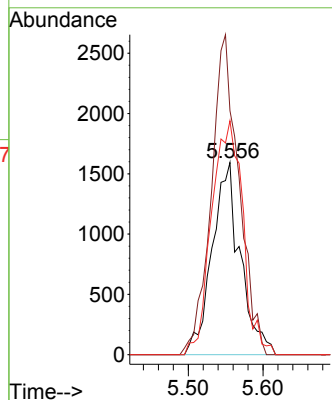
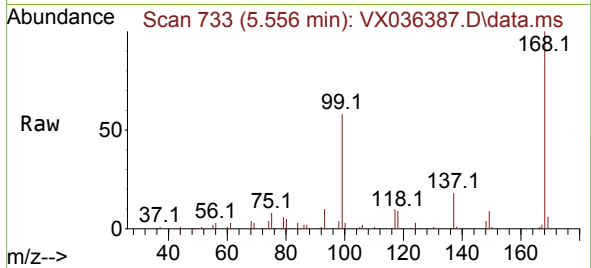




#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.556 min Scan# 713
Delta R.T. 0.086 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

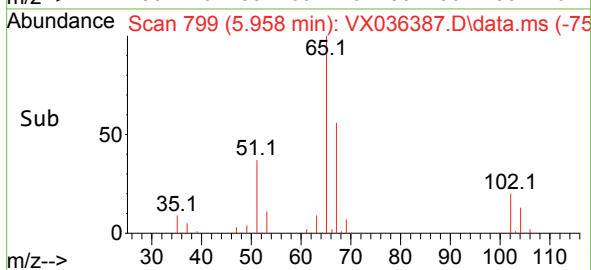
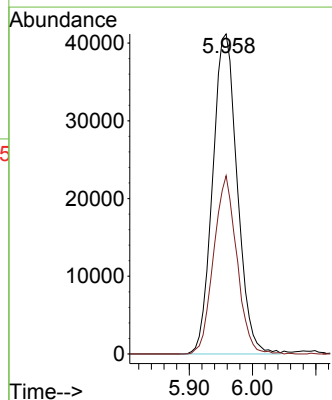
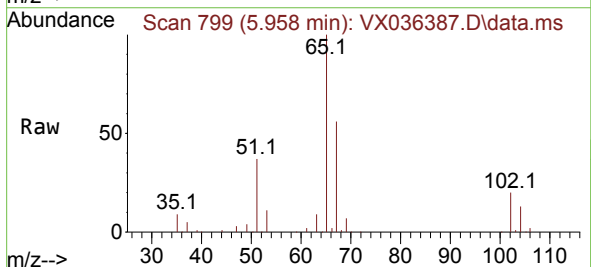
Instrument :
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GWOW-BR-05-167-187-062923

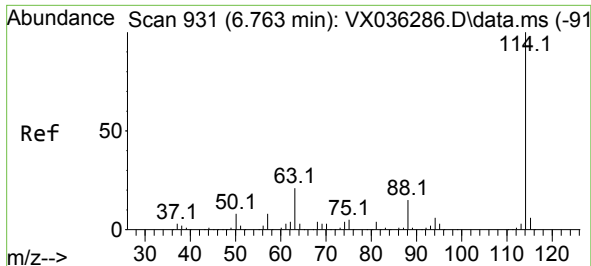
Tgt Ion: 56 Resp: 4172
Ion Ratio Lower Upper
56 100
69 127.0 23.4 35.2#
84 121.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.570 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

Tgt Ion: 65 Resp: 111099
Ion Ratio Lower Upper
65 100
67 52.6 0.0 100.2

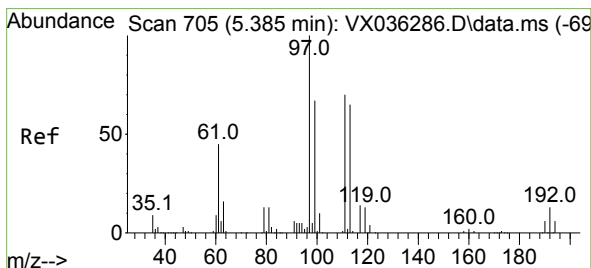
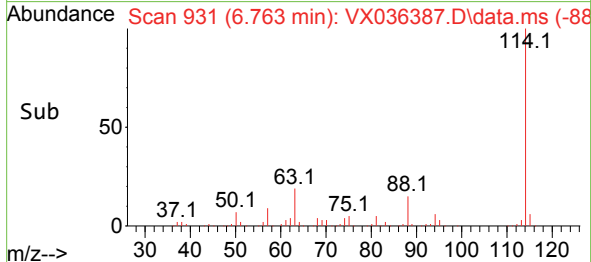
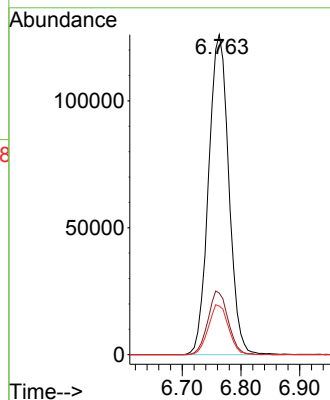
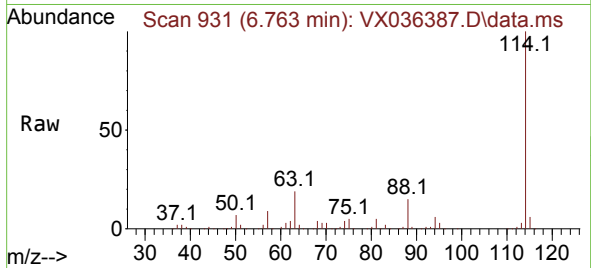




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

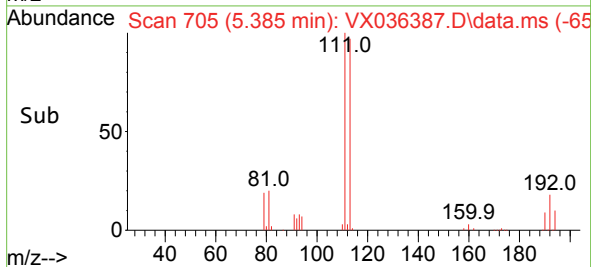
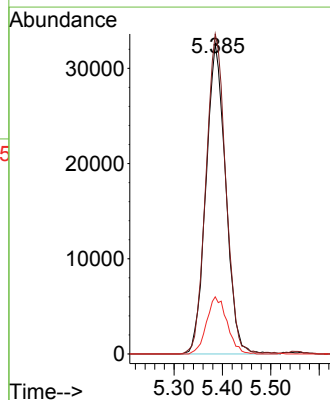
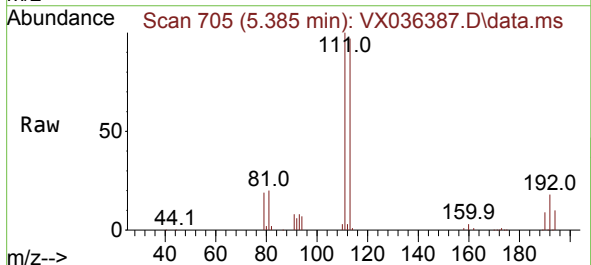
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-167-187-062923

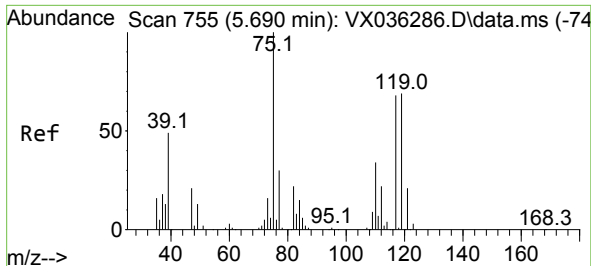
Tgt Ion:114 Resp: 301281
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.603 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

Tgt Ion:113 Resp: 92579
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 19.1 13.3 19.9

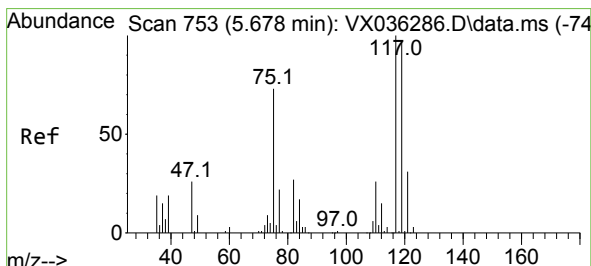
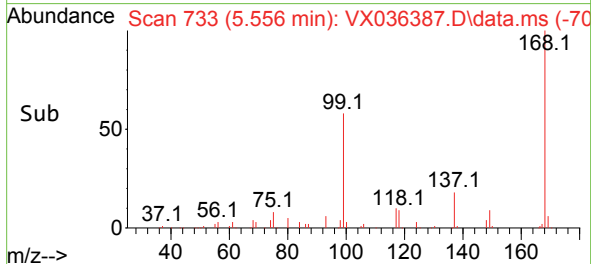
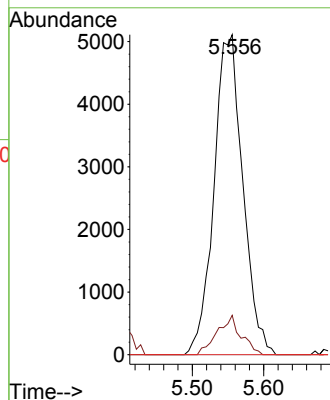
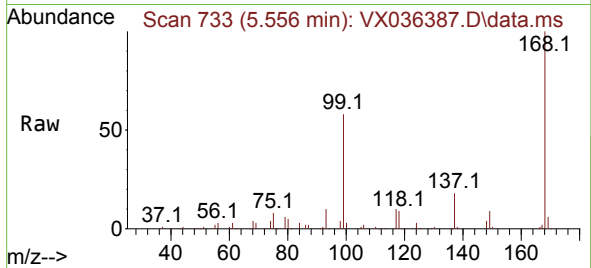




#36
1,1-Dichloropropene
Concen: 4.828 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

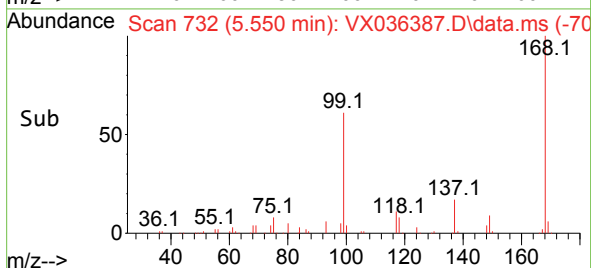
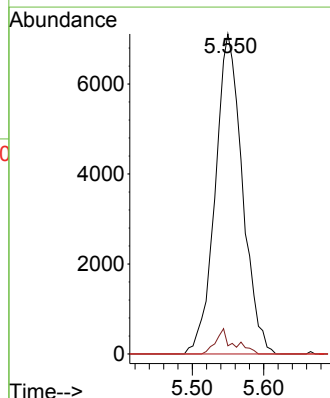
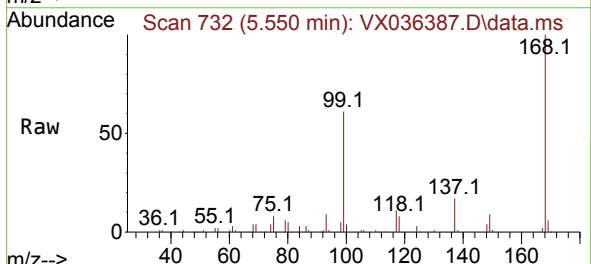
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-167-187-062923

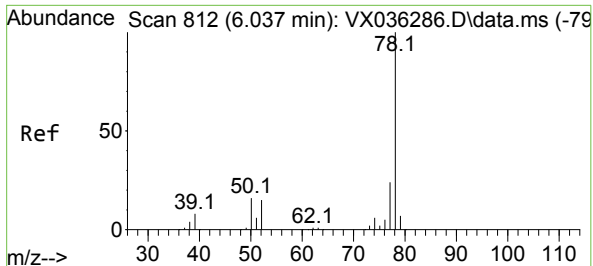
Tgt Ion: 75 Resp: 14298
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.932 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

Tgt Ion: 117 Resp: 18749
Ion Ratio Lower Upper
117 100
119 2.6 78.2 117.2#
121 0.0 24.4 36.6#

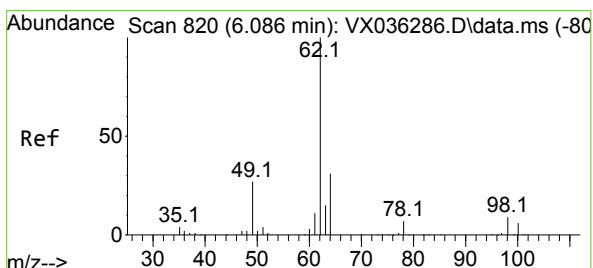
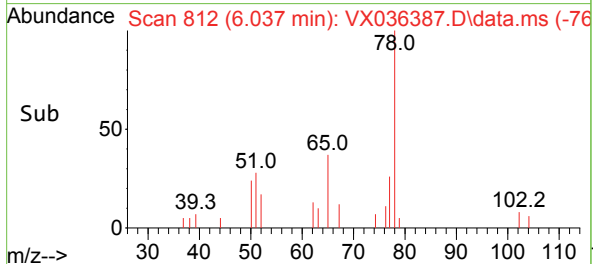
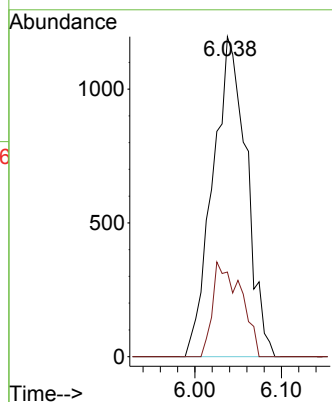
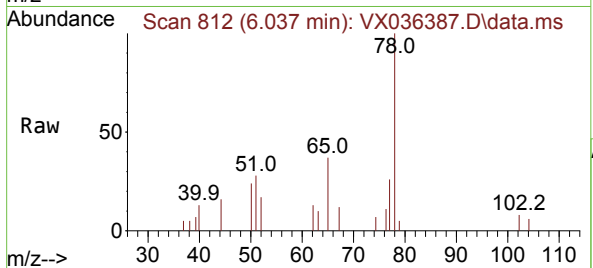




#40
Benzene
Concen: 0.390 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

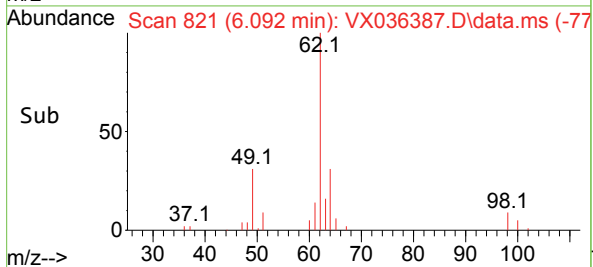
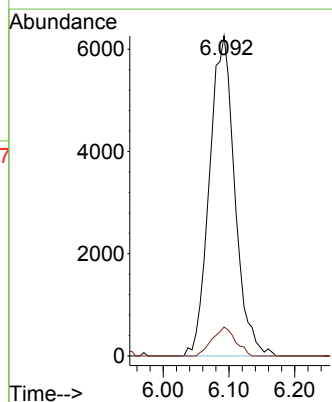
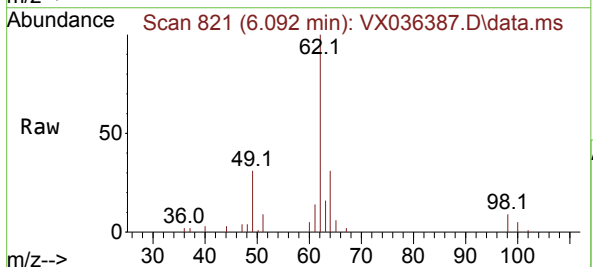
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-167-187-062923

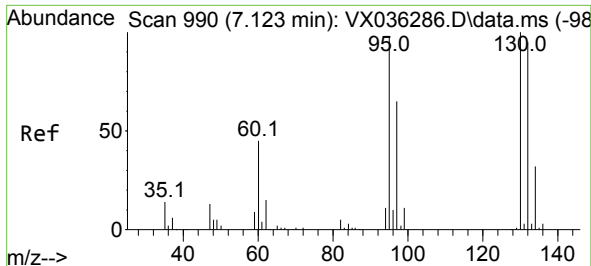
Tgt Ion: 78 Resp: 3230
Ion Ratio Lower Upper
78 100
77 26.4 19.3 28.9



#42
1,2-Dichloroethane
Concen: 5.342 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

Tgt Ion: 62 Resp: 16807
Ion Ratio Lower Upper
62 100
98 8.3 0.0 16.0

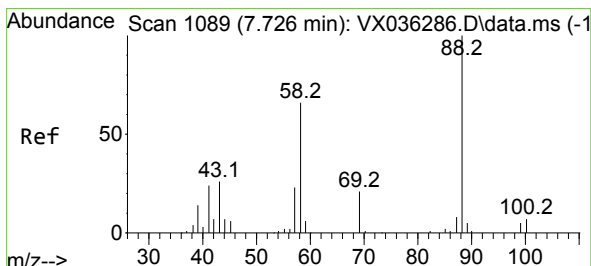
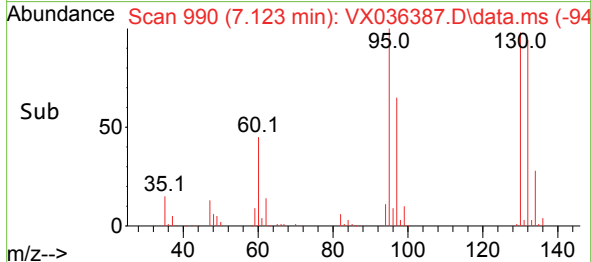
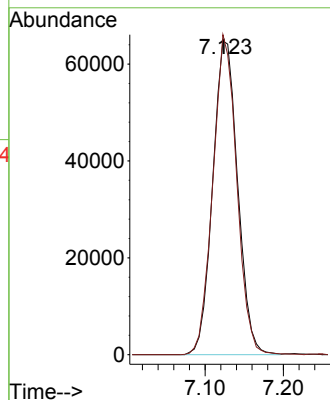
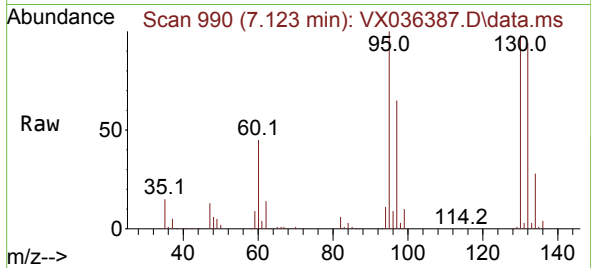




#44
Trichloroethene
Concen: 62.271 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.001 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

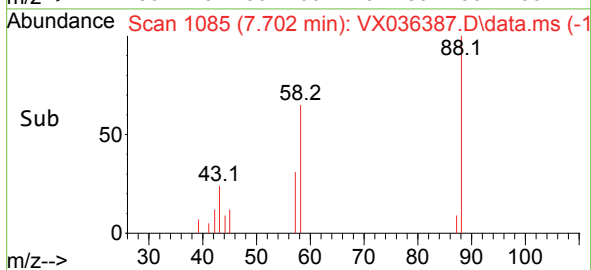
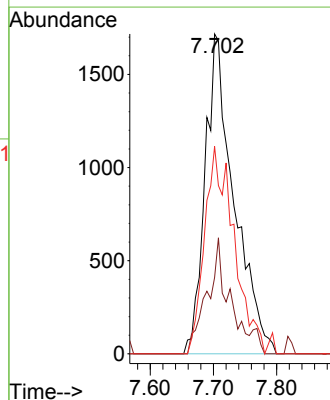
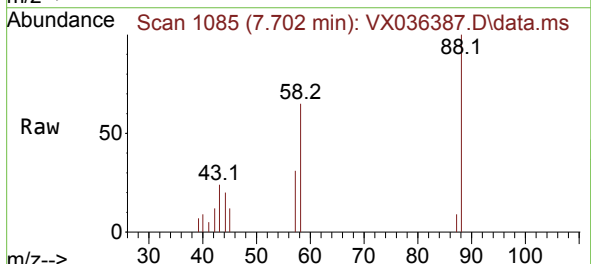
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-167-187-062923

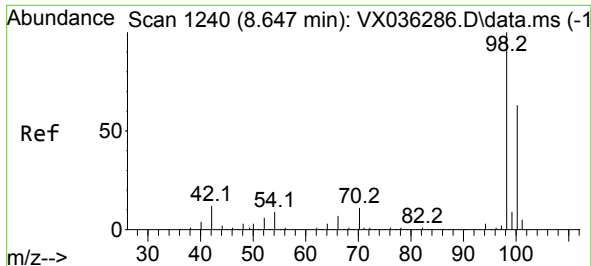
Tgt Ion:130 Resp: 143276
Ion Ratio Lower Upper
130 100
95 102.0 0.0 204.4



#49
1,4-Dioxane
Concen: 102.746 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. -0.030 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

Tgt Ion: 88 Resp: 5468
Ion Ratio Lower Upper
88 100
43 27.4 0.0 0.0#
58 65.6 60.1 90.1

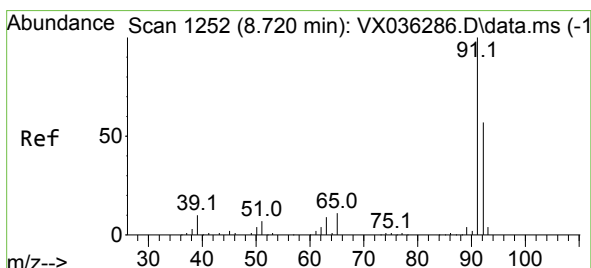
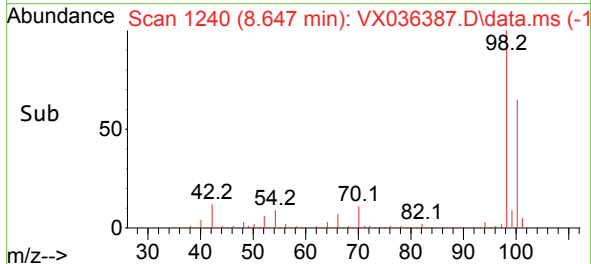
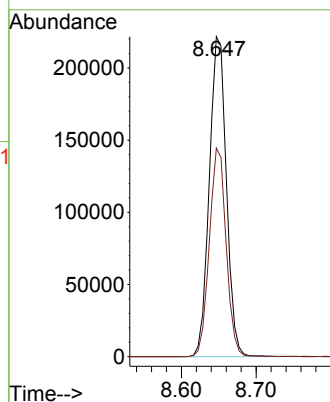
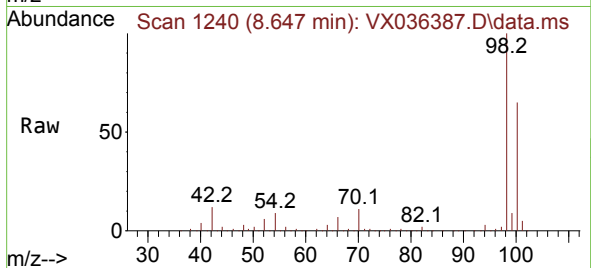




#50
Toluene-d8
Concen: 47.466 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

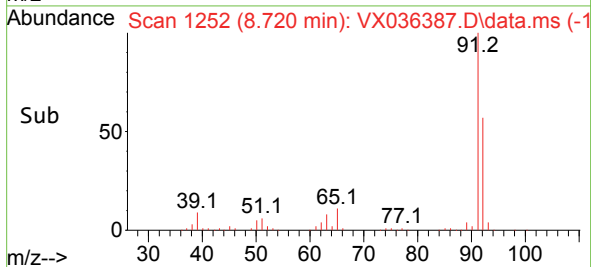
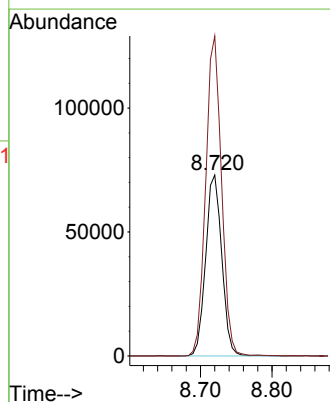
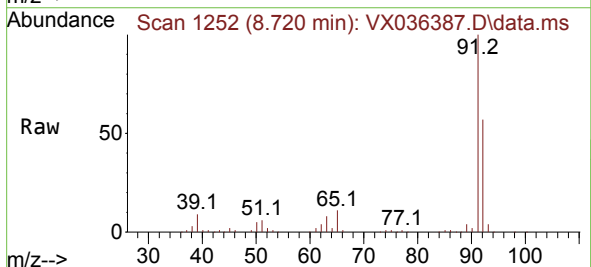
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-167-187-062923

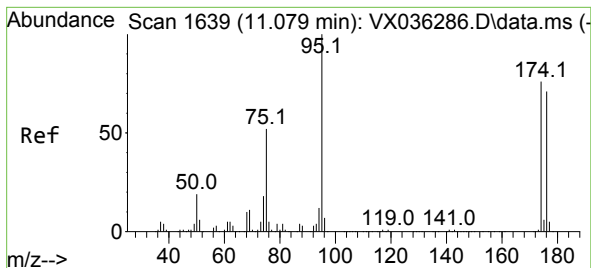
Tgt Ion: 98 Resp: 352185
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7



#52
Toluene
Concen: 21.770 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

Tgt Ion: 92 Resp: 114127
Ion Ratio Lower Upper
92 100
91 173.8 134.2 201.2

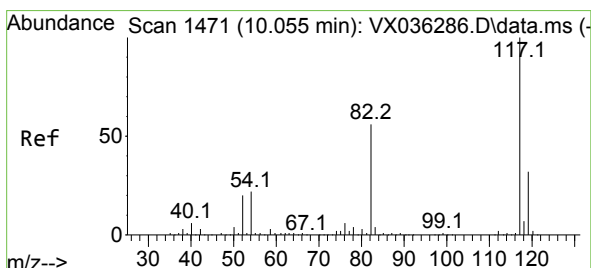
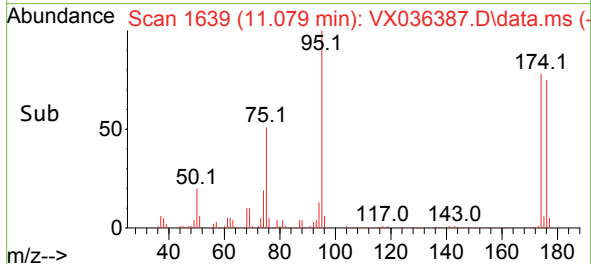
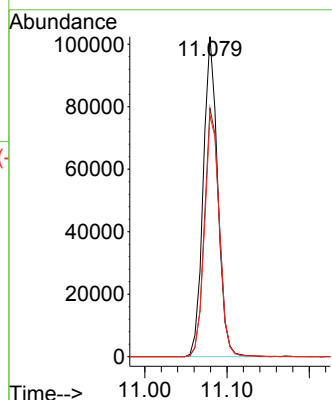
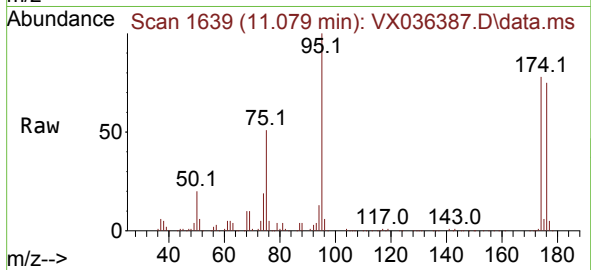




#62
4-Bromofluorobenzene
Concen: 48.021 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

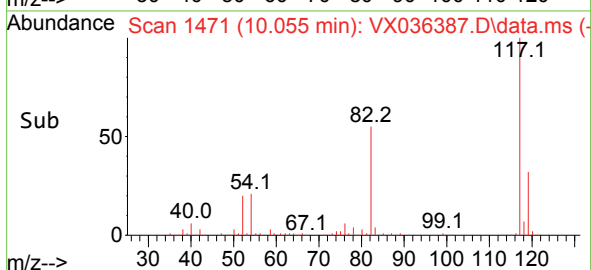
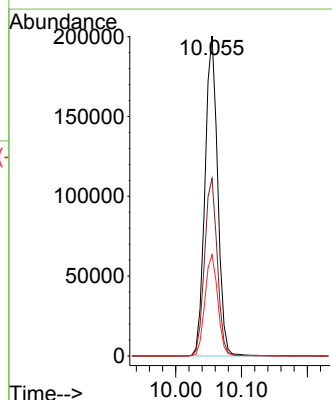
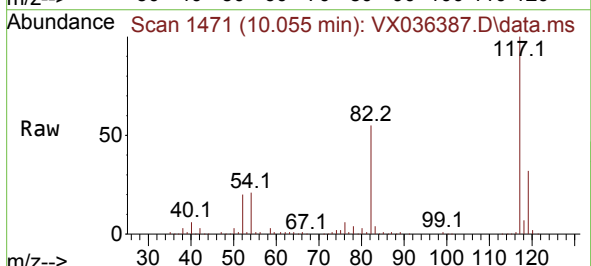
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-167-187-062923

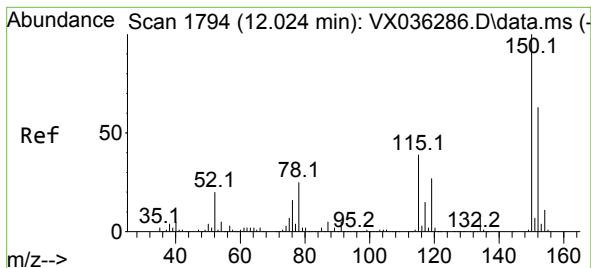
Tgt Ion: 95 Resp: 125502
Ion Ratio Lower Upper
95 100
174 79.5 0.0 135.6
176 77.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

Tgt Ion: 117 Resp: 268176
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 31.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036387.D

Acq: 30 Jun 2023 12:15

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-05-167-187-062923

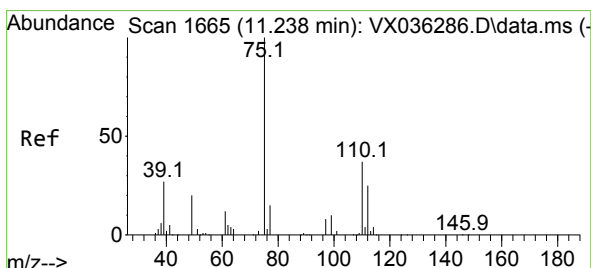
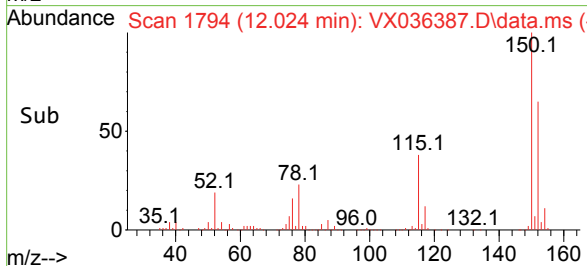
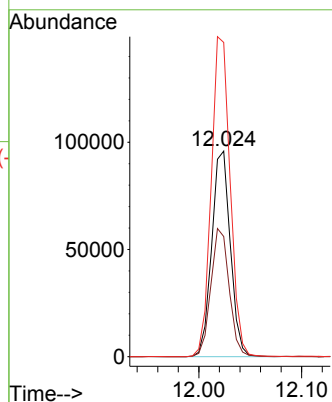
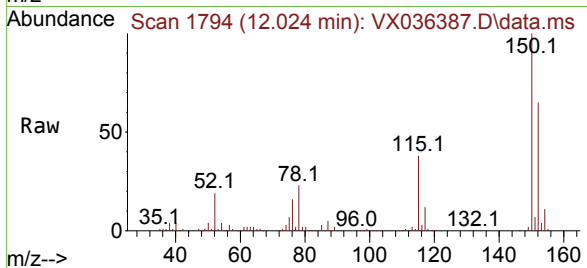
Tgt Ion:152 Resp: 121064

Ion Ratio Lower Upper

152 100

115 61.3 43.3 129.9

150 157.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.328 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036387.D

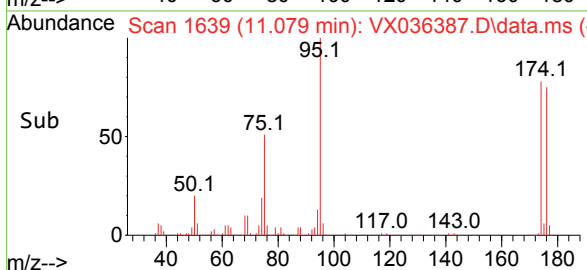
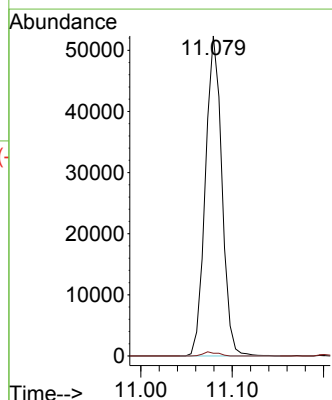
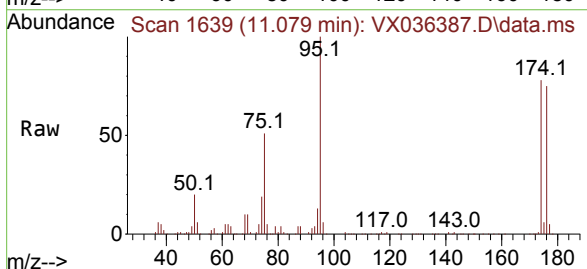
Acq: 30 Jun 2023 12:15

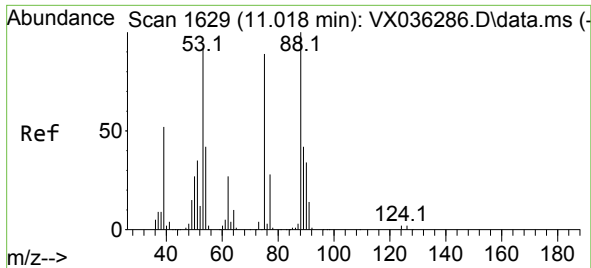
Tgt Ion: 75 Resp: 65404

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

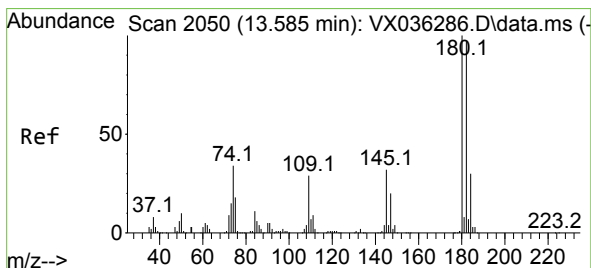
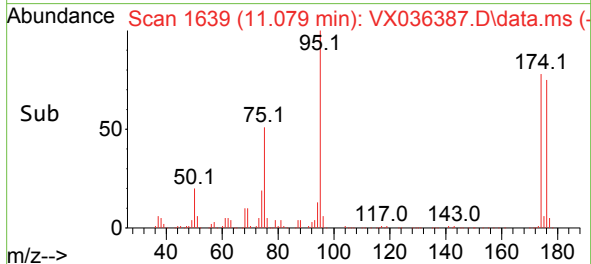
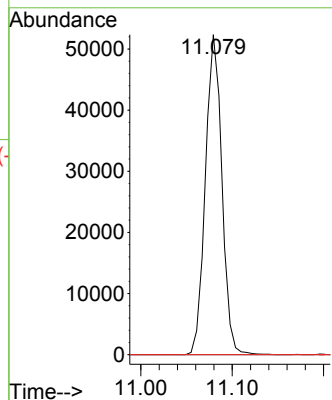
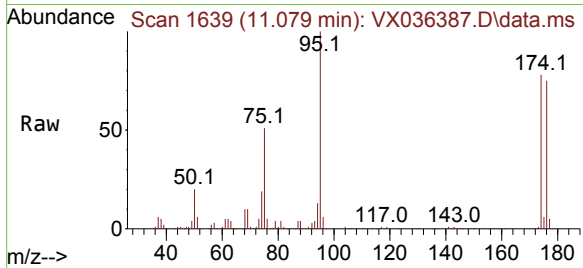




#81
trans-1,4-Dichloro-2-butene
Concen: 82.561 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

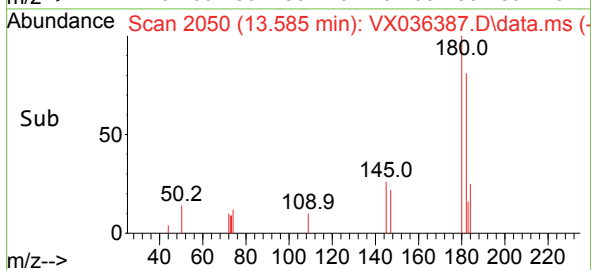
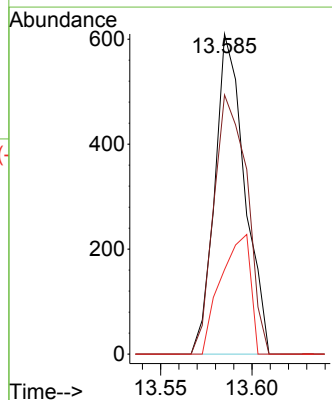
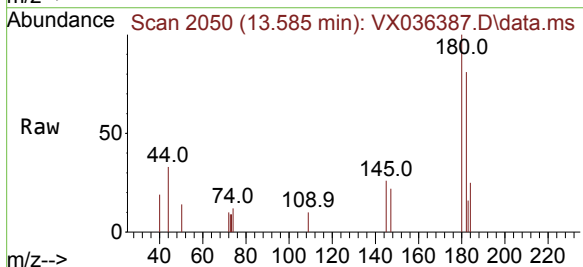
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-167-187-062923

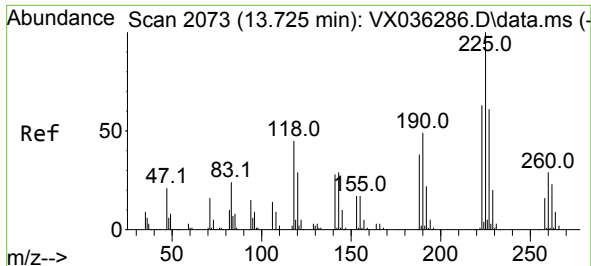
Tgt Ion: 75 Resp: 65404
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.277 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

Tgt Ion:180 Resp: 694
Ion Ratio Lower Upper
180 100
182 89.9 48.3 144.8
145 37.2 18.0 54.0

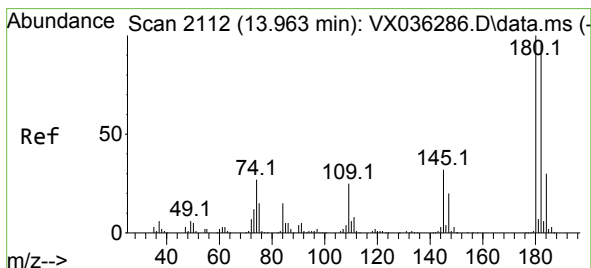
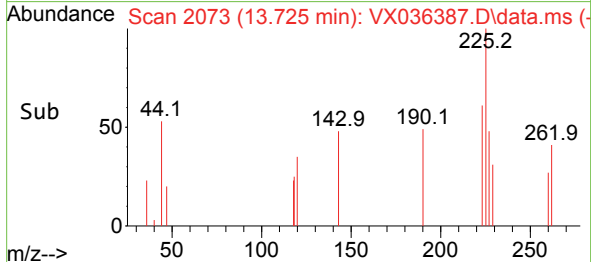
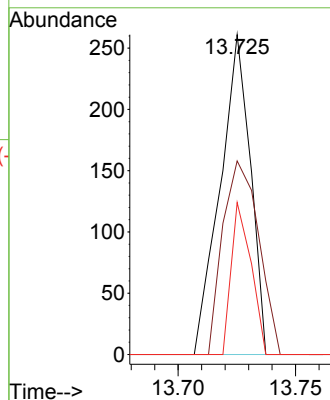
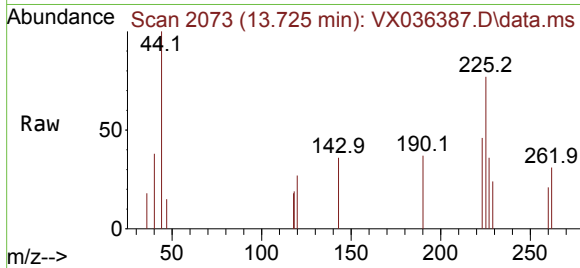




#94
Hexachlorobutadiene
Concen: 0.227 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-167-187-062923

Tgt Ion:225 Resp: 233
Ion Ratio Lower Upper
225 100
223 72.1 31.1 93.2
227 30.9 32.5 97.5#



#96
1,2,3-Trichlorobenzene
Concen: 0.248 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX036387.D
Acq: 30 Jun 2023 12:15

Tgt Ion:180 Resp: 604
Ion Ratio Lower Upper
180 100
182 74.3 46.9 140.6
145 33.4 17.8 53.5

