

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062823\
 Data File : VX036362.D
 Acq On : 28 Jun 2023 12:35
 Operator : JC/MD
 Sample : 03445-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWOW-BR-05-462-482-062723

Quant Time: Jun 29 01:28:25 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)

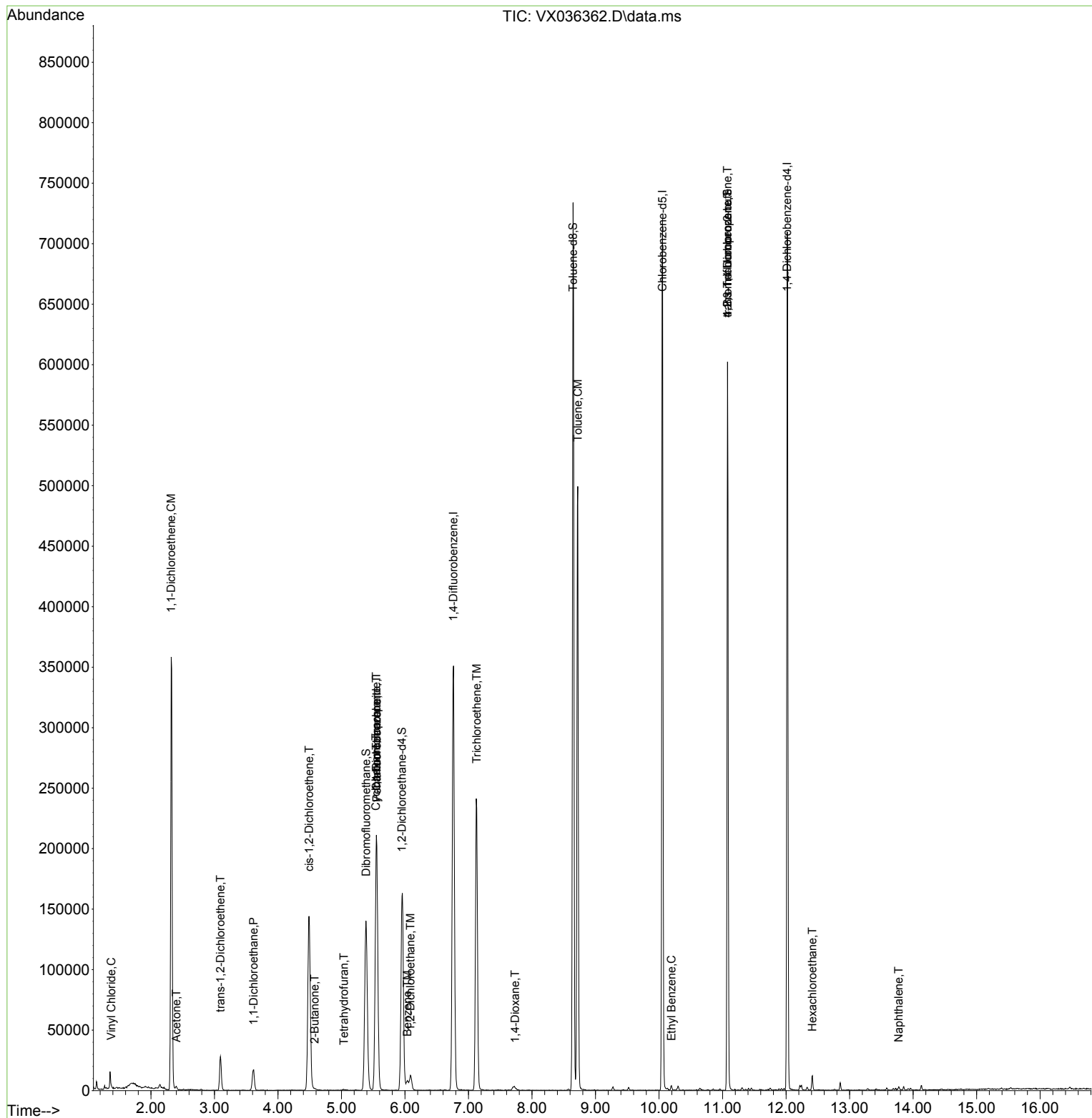
Internal Standards						
1) Pentafluorobenzene	5.556	168	198950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	359608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	322052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	144727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158160	55.460	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 110.920%		
35) Dibromofluoromethane	5.385	113	123584	52.120	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.240%		
50) Toluene-d8	8.647	98	440806	49.773	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 99.540%		
62) 4-Bromofluorobenzene	11.079	95	155721	49.919	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 99.840%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	996	0.279	ug/l	93
12) 1,1-Dichloroethene	2.319	96	115974	51.293	ug/l	93
16) Acetone	2.398	43	3548	2.911	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	11573	4.797	ug/l	92
24) 1,1-Dichloroethane	3.617	63	19447	4.482	ug/l	97
25) 2-Butanone	4.574	43	510	0.291	ug/l #	88
27) cis-1,2-Dichloroethene	4.489	96	90046	33.278	ug/l	84
29) Tetrahydrofuran	5.038	42	710	0.637	ug/l #	76
31) Cyclohexane	5.544	56	4551	1.245	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	15431	4.366	ug/l #	50
38) Carbon Tetrachloride	5.550	117	20364	6.308	ug/l #	17
40) Benzene	6.038	78	8859	0.897	ug/l	96
42) 1,2-Dichloroethane	6.086	62	13421	3.574	ug/l	98
44) Trichloroethene	7.129	130	91847	33.444	ug/l	94
49) 1,4-Dioxane	7.732	88	4119	64.844	ug/l #	65
52) Toluene	8.720	92	185101	29.582	ug/l	95
67) Ethyl Benzene	10.195	91	2435	0.202	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	81305	26.337	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	81305	85.853	ug/l #	5
90) Hexachloroethane	12.414	117	362	0.254	ug/l #	17
95) Naphthalene	13.774	128	2044	0.207	ug/l	98

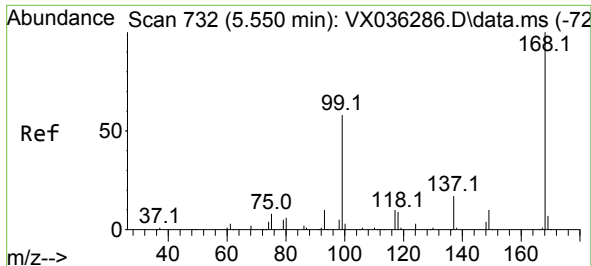
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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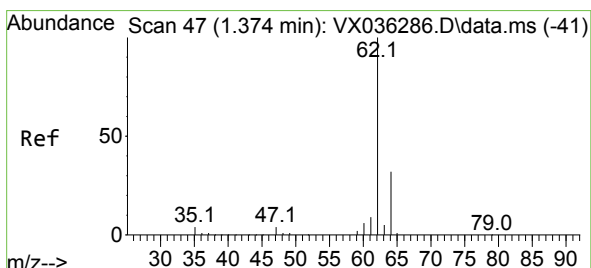
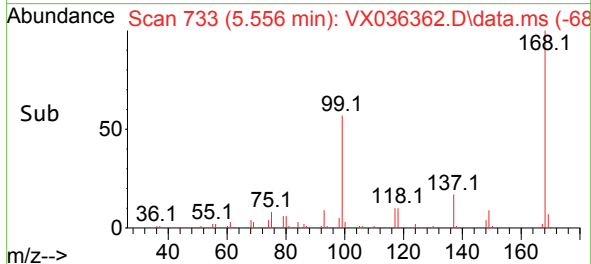
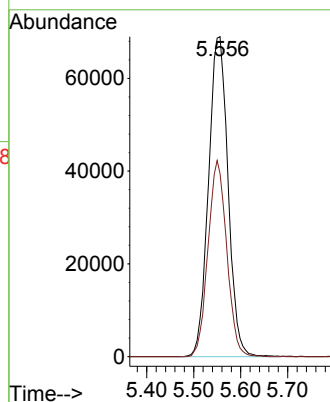
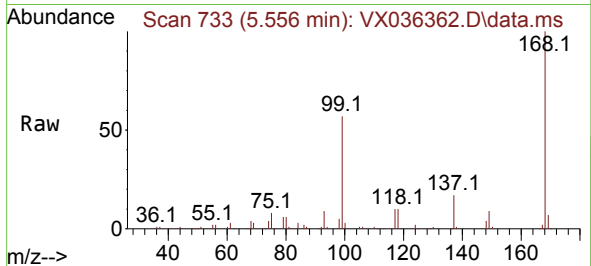




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

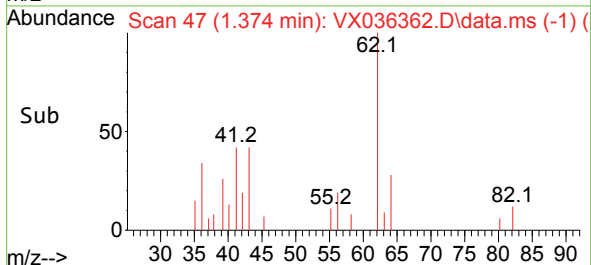
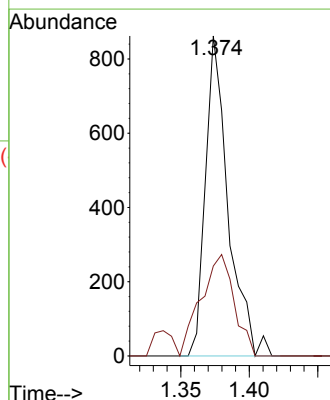
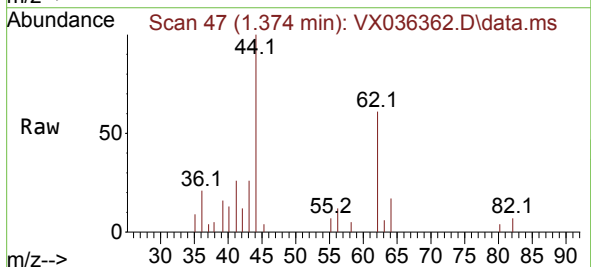
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-462-482-062723

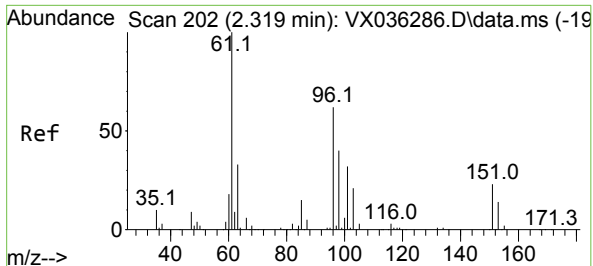
Tgt Ion:168 Resp: 198950
Ion Ratio Lower Upper
168 100
99 57.2 56.6 85.0



#4
Vinyl Chloride
Concen: 0.279 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.001 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

Tgt Ion: 62 Resp: 996
Ion Ratio Lower Upper
62 100
64 28.1 25.4 38.0





#12

1,1-Dichloroethene

Concen: 51.293 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.001 min

Lab File: VX036362.D

Acq: 28 Jun 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-05-462-482-062723

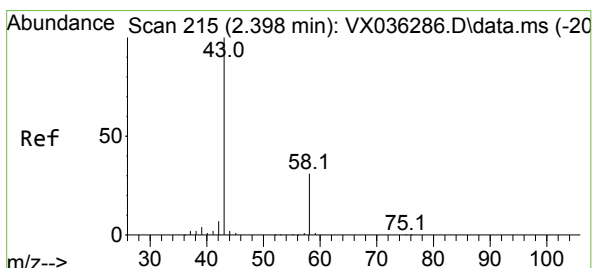
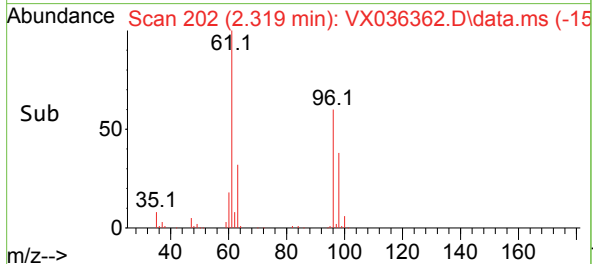
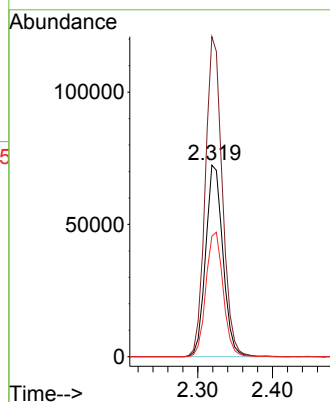
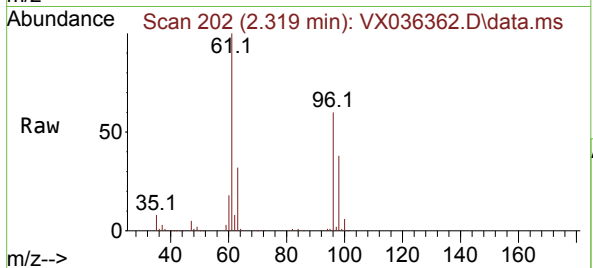
Tgt Ion: 96 Resp: 115974

Ion Ratio Lower Upper

96 100

61 167.1 144.6 216.8

98 62.9 50.4 75.6



#16

Acetone

Concen: 2.911 ug/l

RT: 2.398 min Scan# 215

Delta R.T. -0.006 min

Lab File: VX036362.D

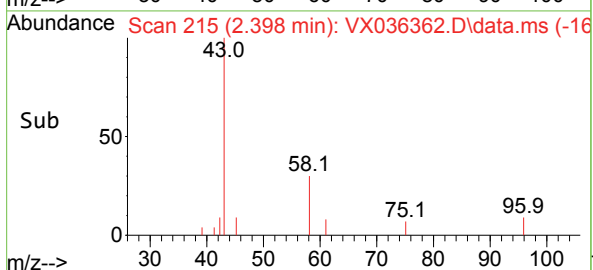
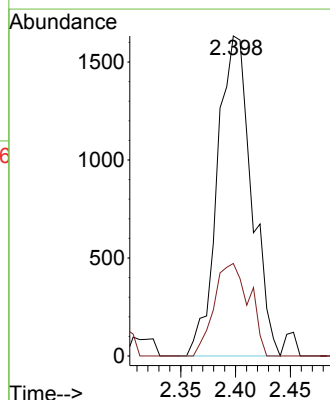
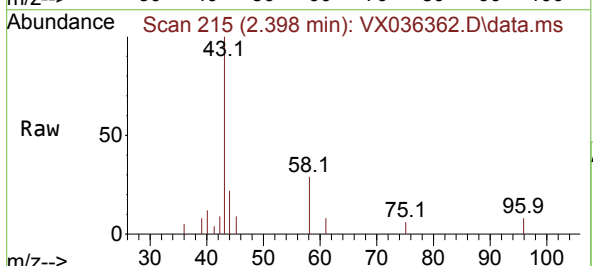
Acq: 28 Jun 2023 12:35

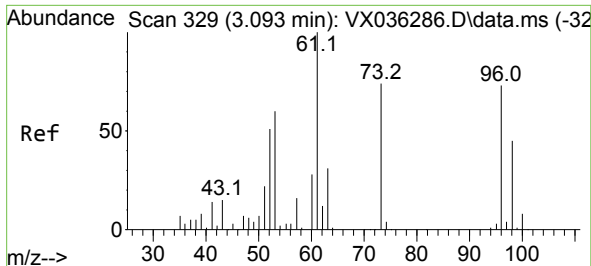
Tgt Ion: 43 Resp: 3548

Ion Ratio Lower Upper

43 100

58 28.9 21.9 32.9

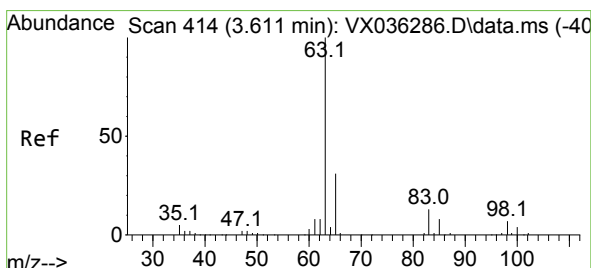
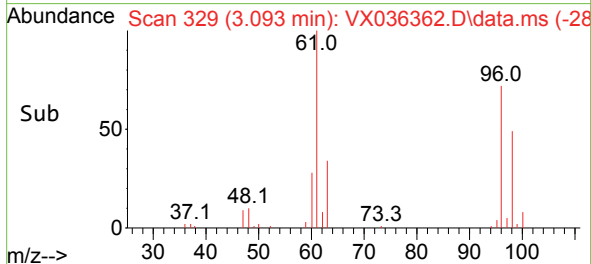
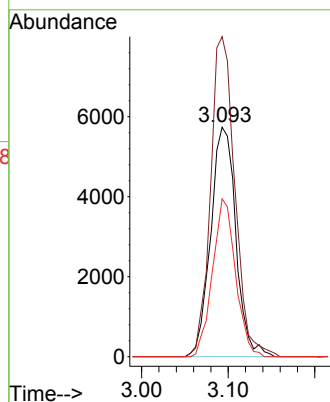
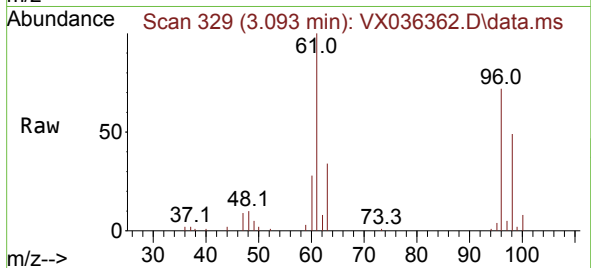




#21
trans-1,2-Dichloroethene
Concen: 4.797 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

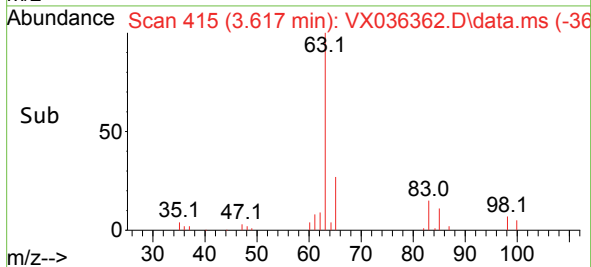
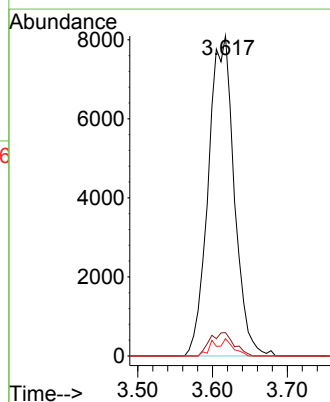
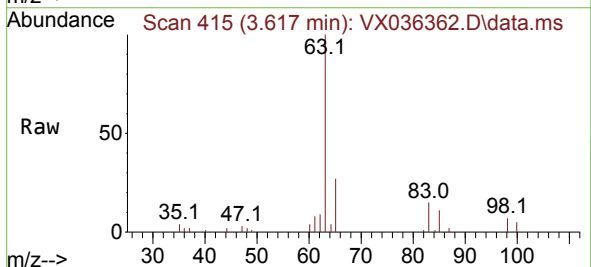
Instrument :
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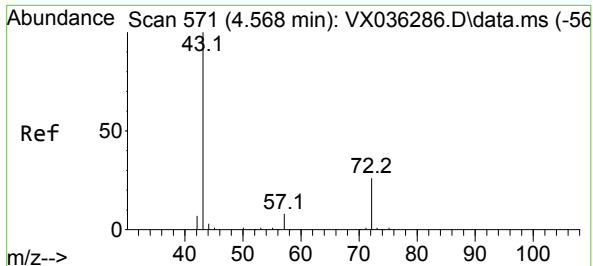
Tgt Ion: 96 Resp: 11573
Ion Ratio Lower Upper
96 100
61 139.5 119.2 178.8
98 68.9 48.7 73.1



#24
1,1-Dichloroethane
Concen: 4.482 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

Tgt Ion: 63 Resp: 19447
Ion Ratio Lower Upper
63 100
98 7.3 3.3 9.8
100 5.4 2.1 6.5





#25

2-Butanone

Concen: 0.291 ug/l

RT: 4.574 min Scan# 510

Delta R.T. 0.006 min

Lab File: VX036362.D

Acq: 28 Jun 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :

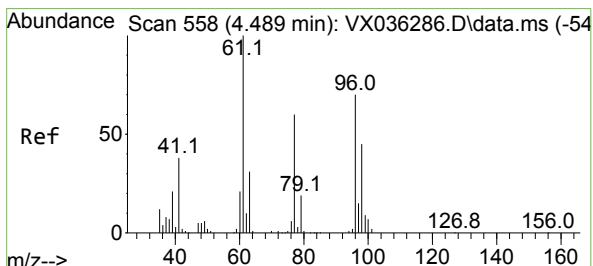
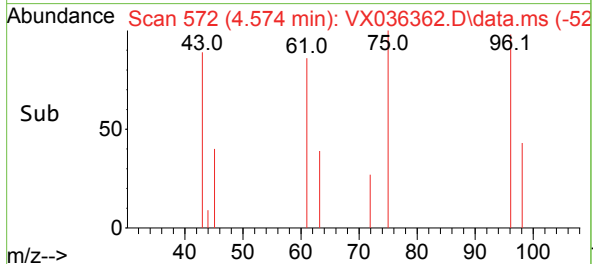
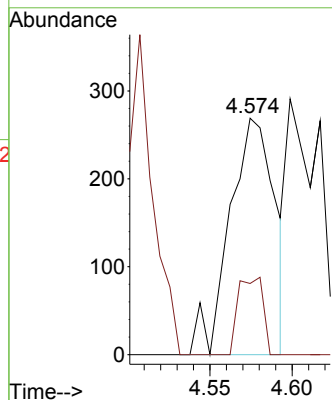
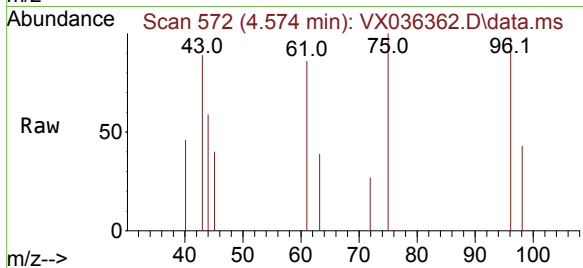
GWOW-BR-05-462-482-062723

Tgt Ion: 43 Resp: 510

Ion Ratio Lower Upper

43 100

72 30.1 19.4 29.2#



#27

cis-1,2-Dichloroethene

Concen: 33.278 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX036362.D

Acq: 28 Jun 2023 12:35

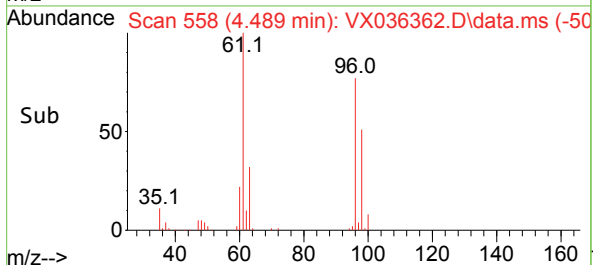
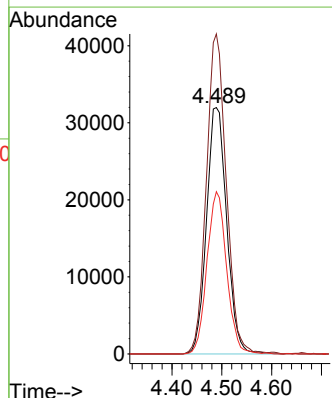
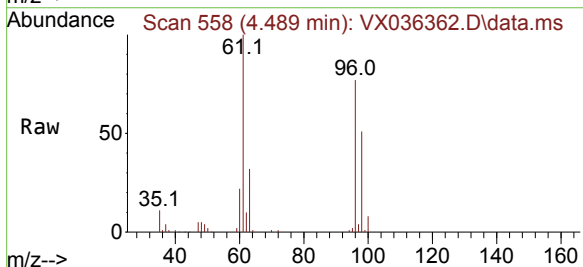
Tgt Ion: 96 Resp: 90046

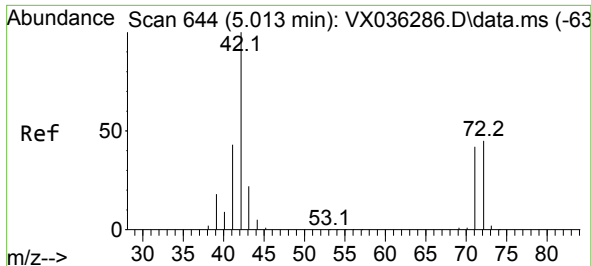
Ion Ratio Lower Upper

96 100

61 127.7 0.0 312.2

98 64.0 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.637 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.019 min

Lab File: VX036362.D

Acq: 28 Jun 2023 12:35

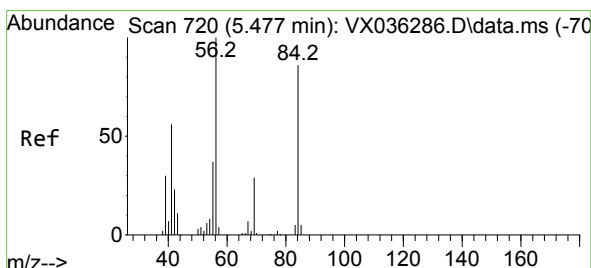
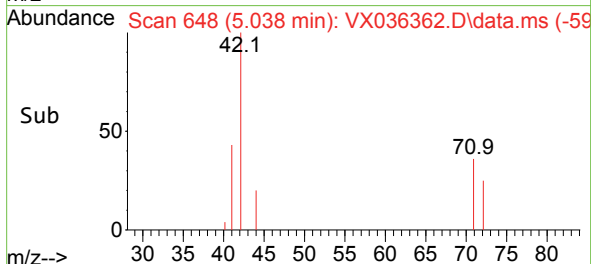
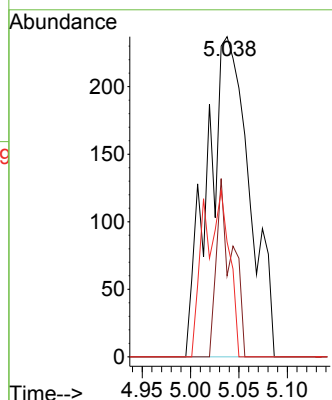
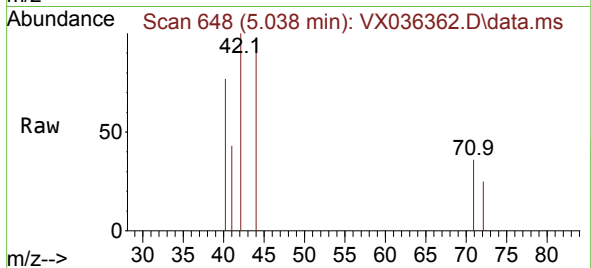
Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-05-462-482-062723

Tgt Ion:	42	Resp:	710
Ion	Ratio	Lower	Upper
42	100		
72	21.1	34.2	51.4#
71	31.4	32.2	48.2#



#31

Cyclohexane

Concen: 1.245 ug/l

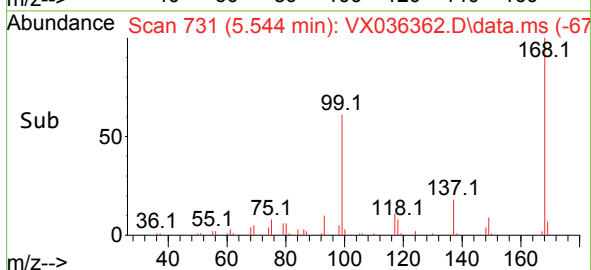
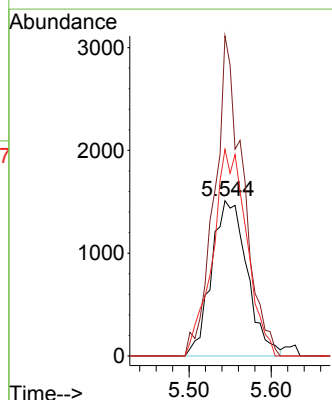
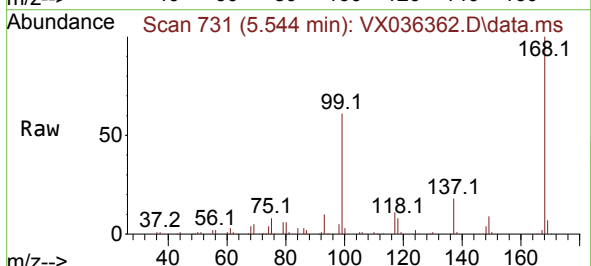
RT: 5.544 min Scan# 731

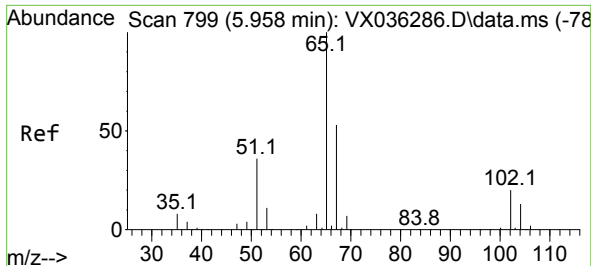
Delta R.T. 0.074 min

Lab File: VX036362.D

Acq: 28 Jun 2023 12:35

Tgt Ion:	56	Resp:	4551
Ion	Ratio	Lower	Upper
56	100		
69	206.2	23.4	35.2#
84	133.1	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 55.460 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX036362.D

Acq: 28 Jun 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :

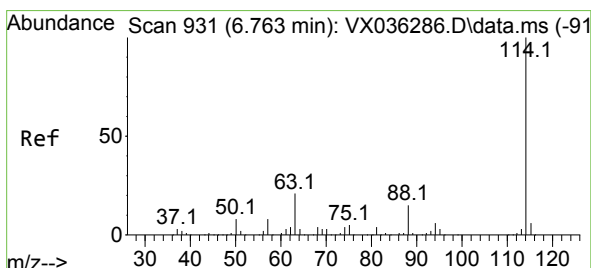
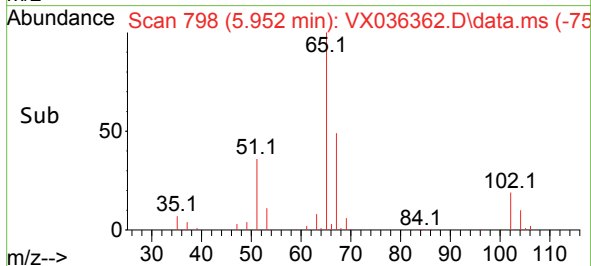
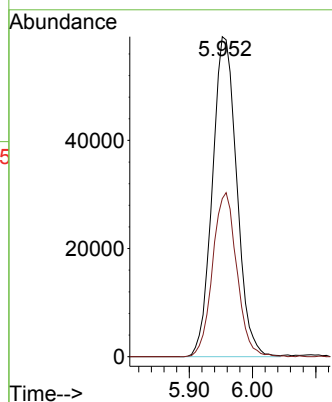
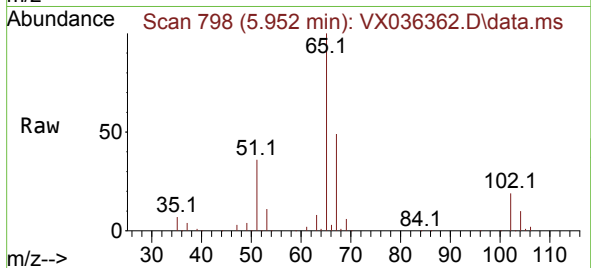
GWOW-BR-05-462-482-062723

Tgt Ion: 65 Resp: 158160

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX036362.D

Acq: 28 Jun 2023 12:35

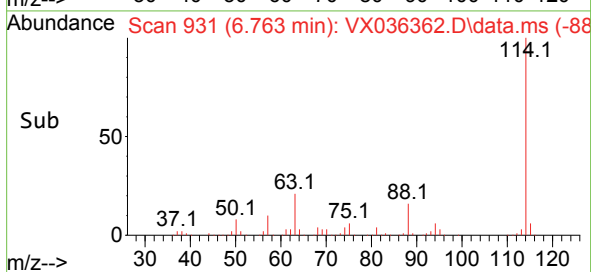
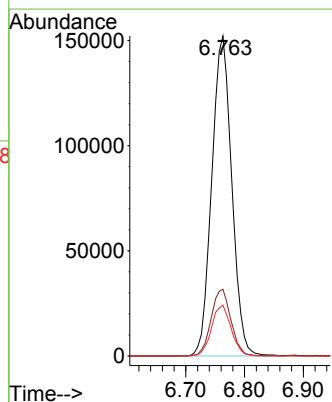
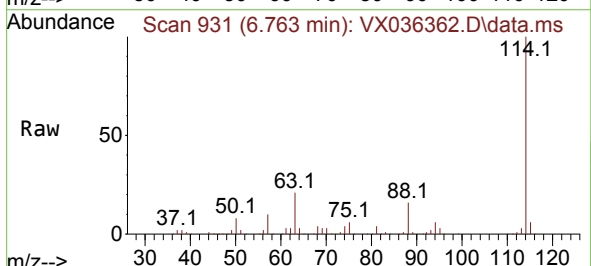
Tgt Ion: 114 Resp: 359608

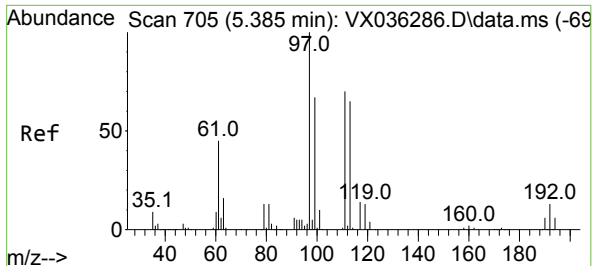
Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.0

88 15.9 0.0 36.6

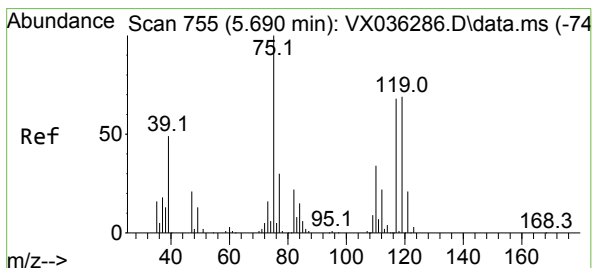
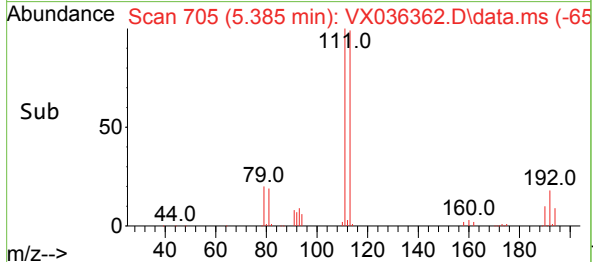
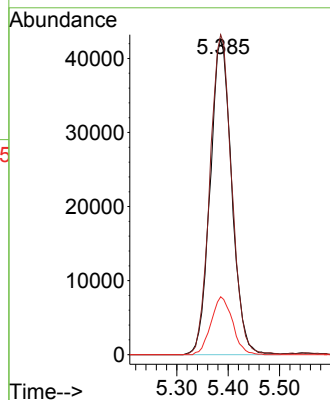
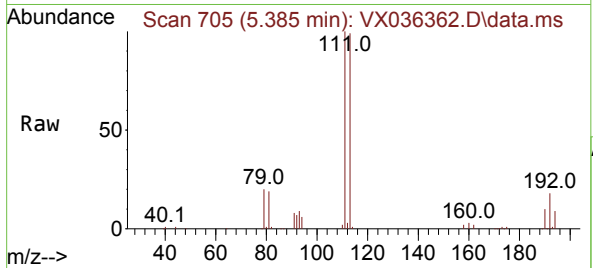




#35
Dibromofluoromethane
Concen: 52.120 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

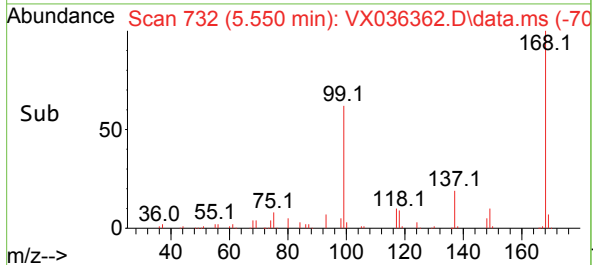
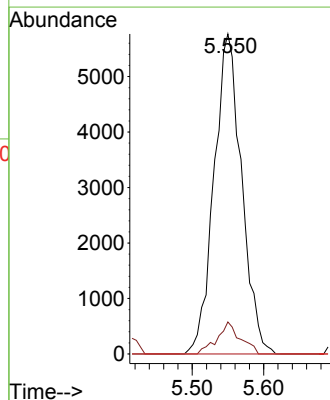
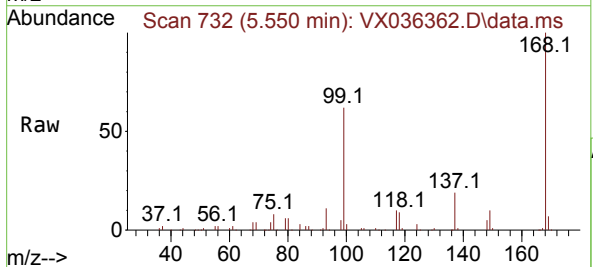
Instrument :
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GWOW-BR-05-462-482-062723

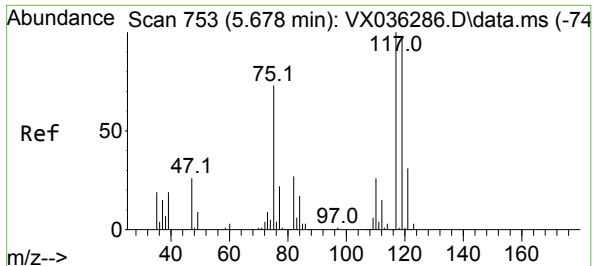
Tgt Ion:113 Resp: 123584
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 18.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.366 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

Tgt Ion: 75 Resp: 15431
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#

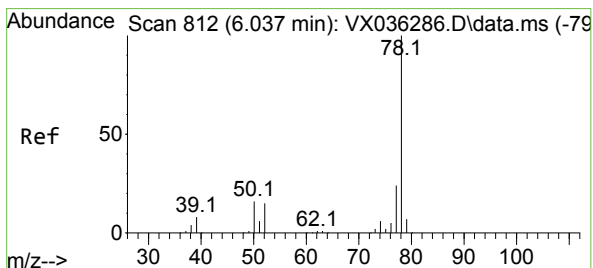
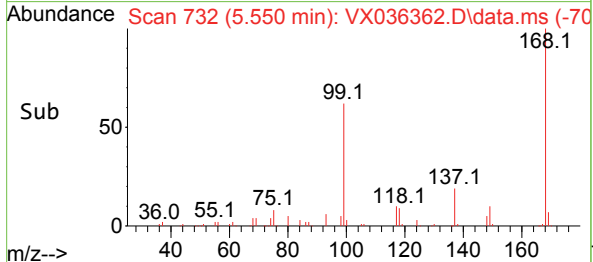
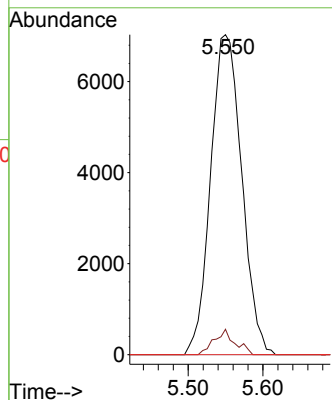
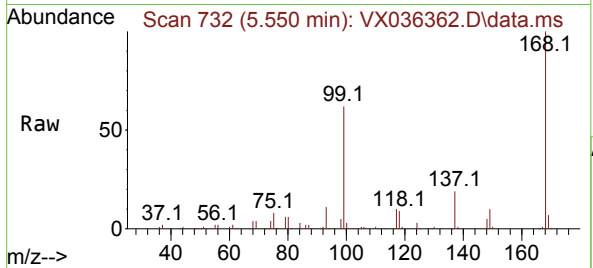




#38
Carbon Tetrachloride
Concen: 6.308 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

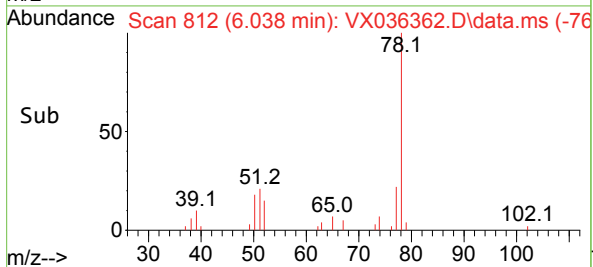
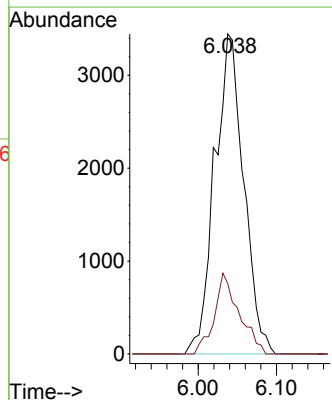
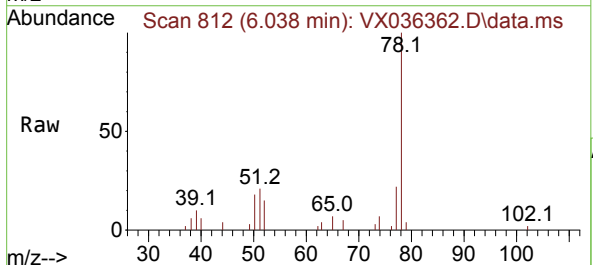
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-462-482-062723

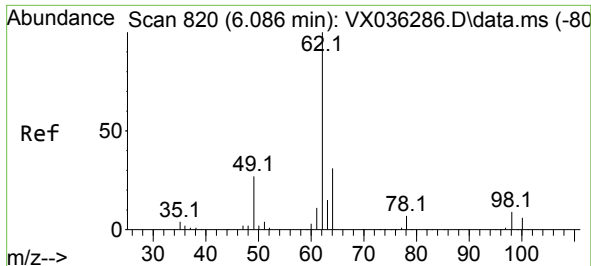
Tgt Ion:117 Resp: 20364
Ion Ratio Lower Upper
117 100
119 8.0 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.897 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

Tgt Ion: 78 Resp: 8859
Ion Ratio Lower Upper
78 100
77 22.0 19.3 28.9





#42

1,2-Dichloroethane

Concen: 3.574 ug/l

RT: 6.086 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX036362.D

Acq: 28 Jun 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :

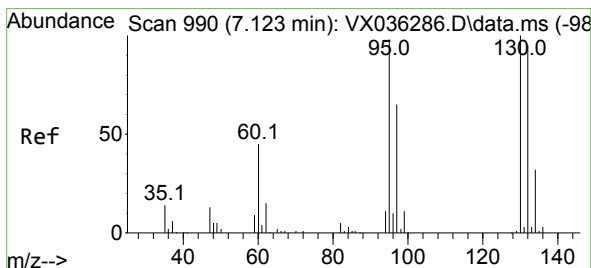
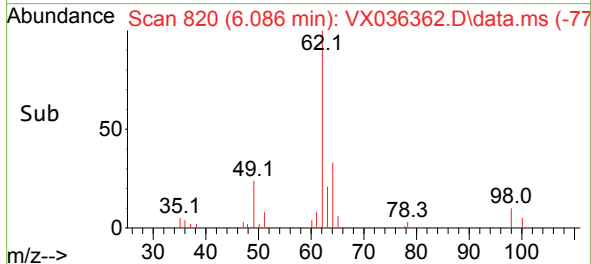
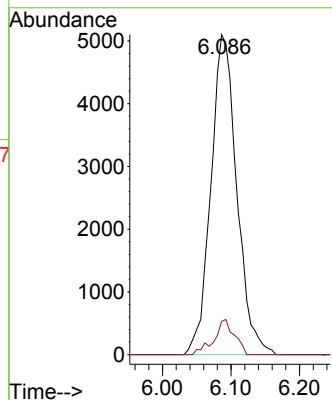
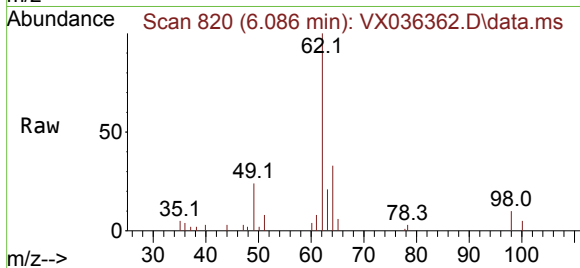
GWOW-BR-05-462-482-062723

Tgt Ion: 62 Resp: 13421

Ion Ratio Lower Upper

62 100

98 8.6 0.0 16.0



#44

Trichloroethene

Concen: 33.444 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.007 min

Lab File: VX036362.D

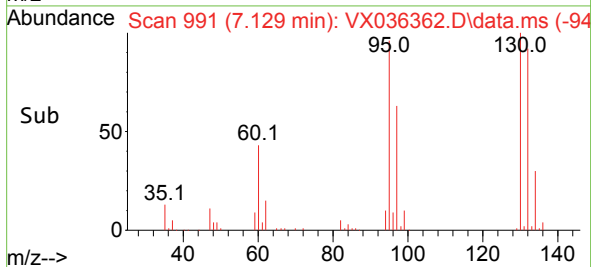
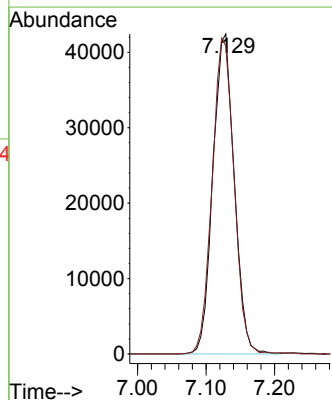
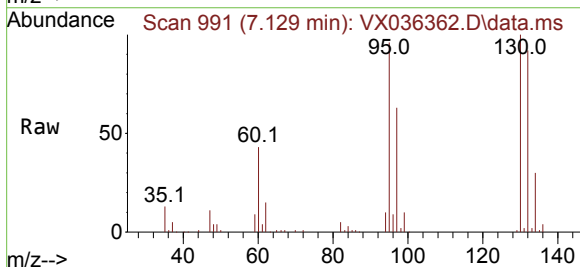
Acq: 28 Jun 2023 12:35

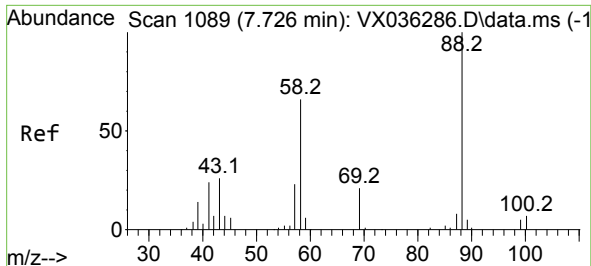
Tgt Ion:130 Resp: 91847

Ion Ratio Lower Upper

130 100

95 96.2 0.0 204.4





#49

1,4-Dioxane

Concen: 64.844 ug/l

RT: 7.732 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VX036362.D

Acq: 28 Jun 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-05-462-482-062723

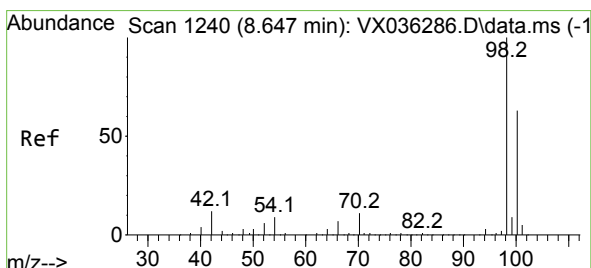
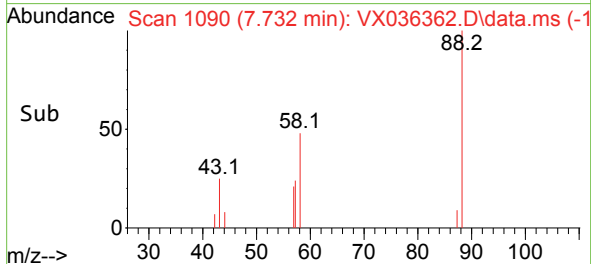
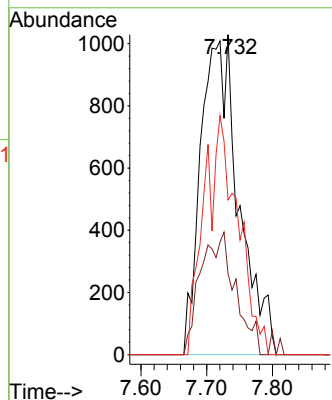
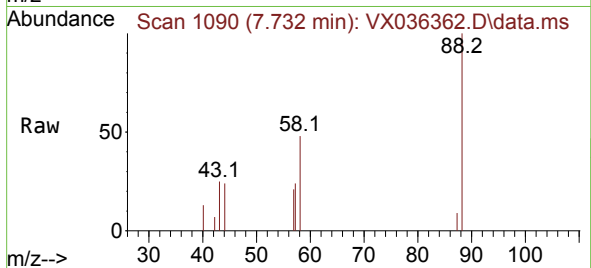
Tgt Ion: 88 Resp: 4119

Ion Ratio Lower Upper

88 100

43 35.0 0.0 0.0#

58 45.0 60.1 90.1#



#50

Toluene-d8

Concen: 49.773 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036362.D

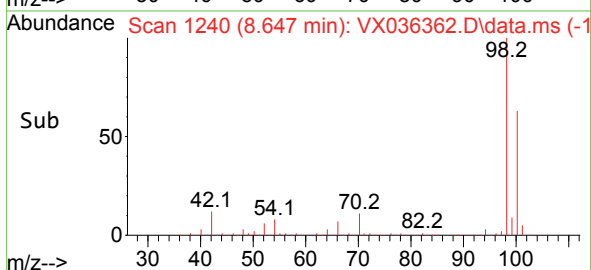
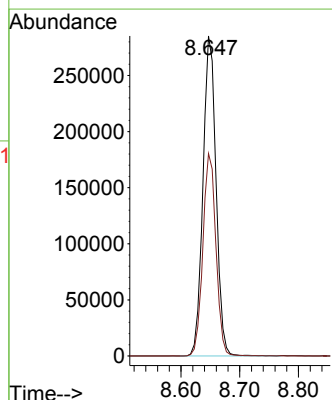
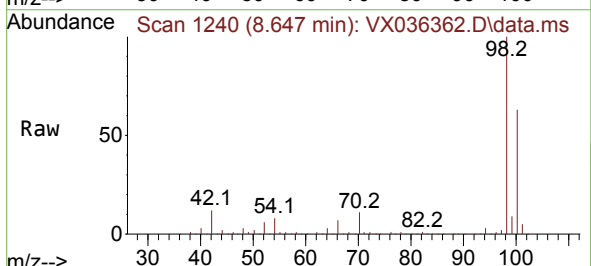
Acq: 28 Jun 2023 12:35

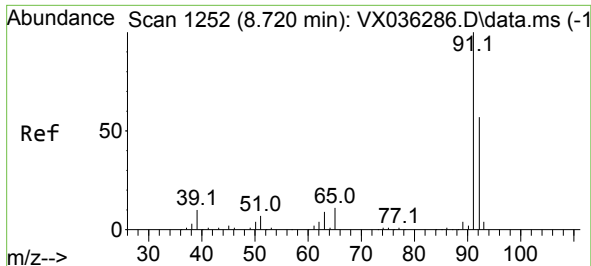
Tgt Ion: 98 Resp: 440806

Ion Ratio Lower Upper

98 100

100 63.3 53.1 79.7

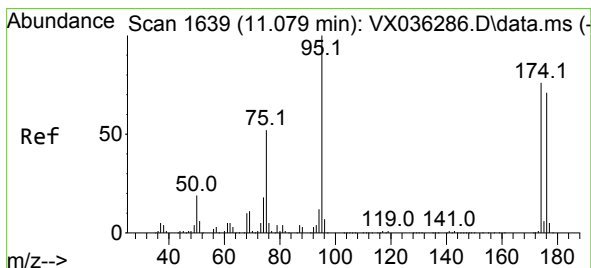
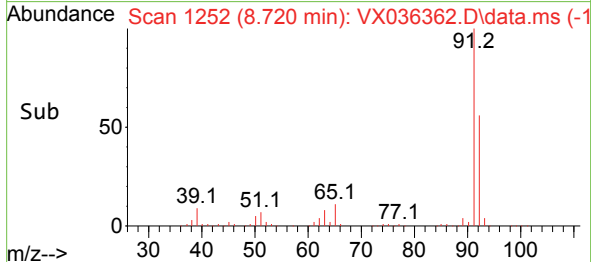
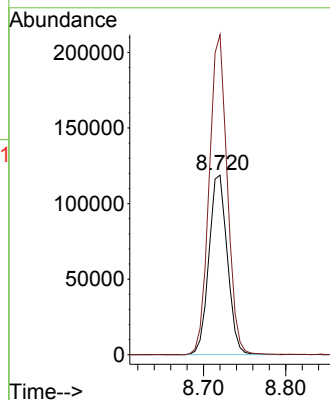
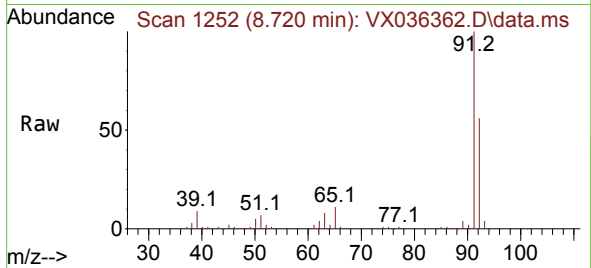




#52
Toluene
Concen: 29.582 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

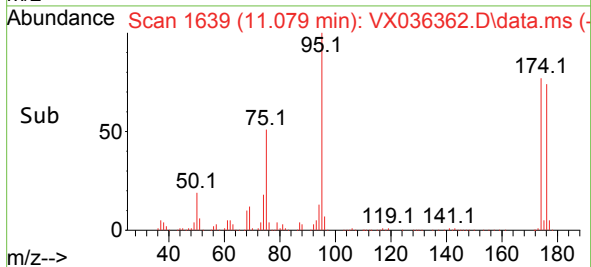
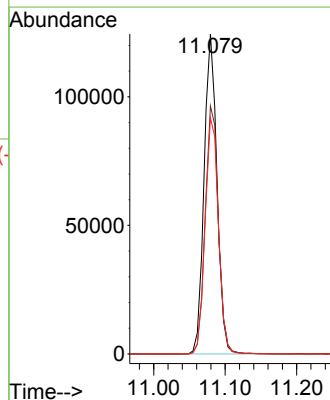
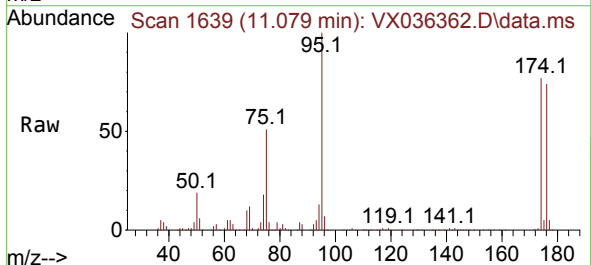
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-462-482-062723

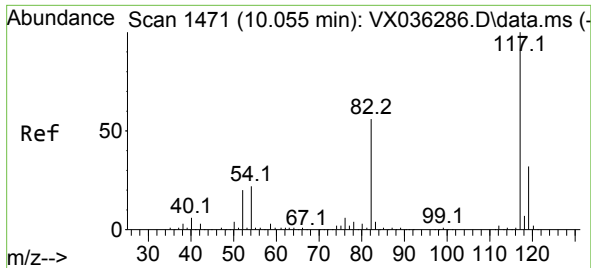
Tgt Ion: 92 Resp: 185101
Ion Ratio Lower Upper
92 100
91 174.8 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 49.919 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

Tgt Ion: 95 Resp: 155721
Ion Ratio Lower Upper
95 100
174 79.5 0.0 135.6
176 76.3 0.0 131.0

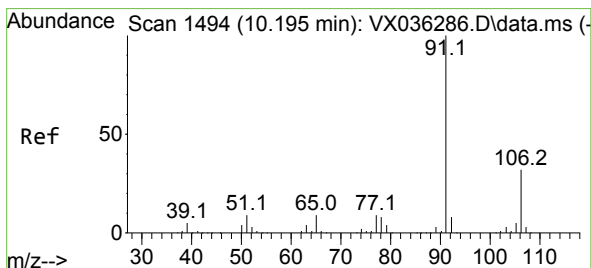
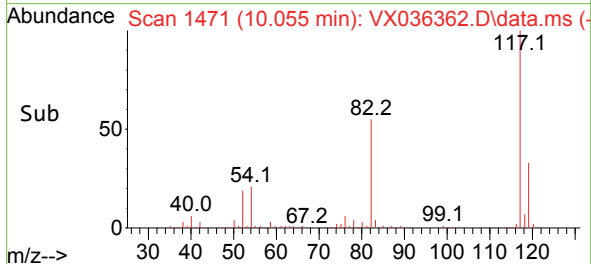
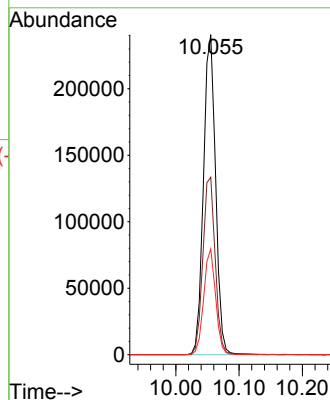
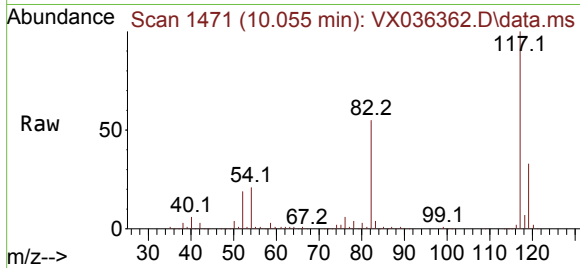




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

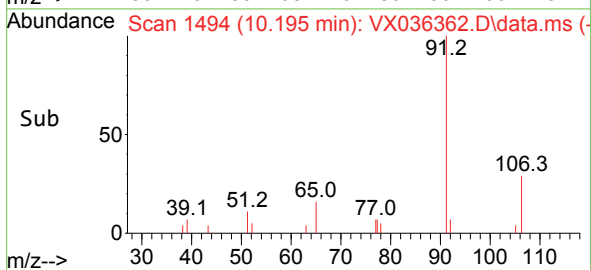
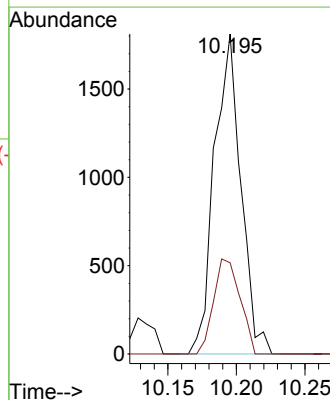
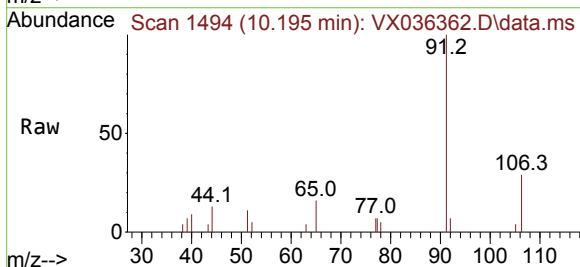
Instrument : MSVOA_X
ClientSampleId : GWOW-BR-05-462-482-062723

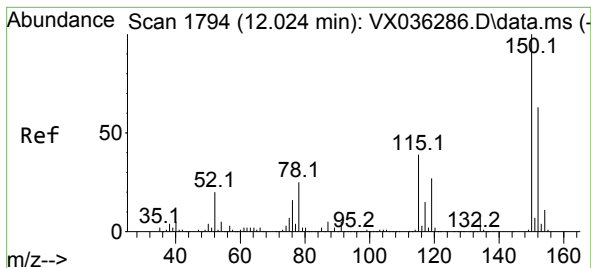
Tgt Ion:117 Resp: 322052
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 33.0 25.5 38.3



#67
Ethyl Benzene
Concen: 0.202 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

Tgt Ion: 91 Resp: 2435
Ion Ratio Lower Upper
91 100
106 28.5 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX036362.D

Acq: 28 Jun 2023 12:35

Instrument :

MSVOA_X

ClientSampleId :

GWOW-BR-05-462-482-062723

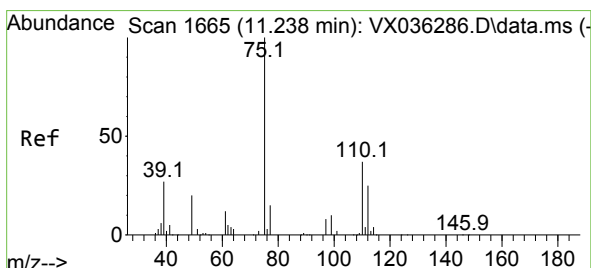
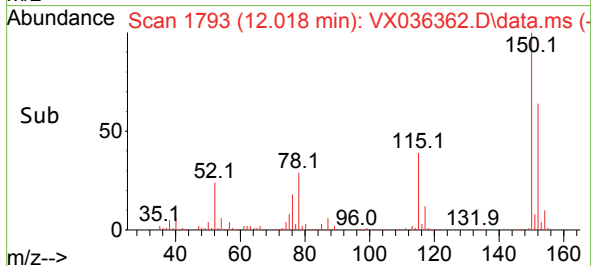
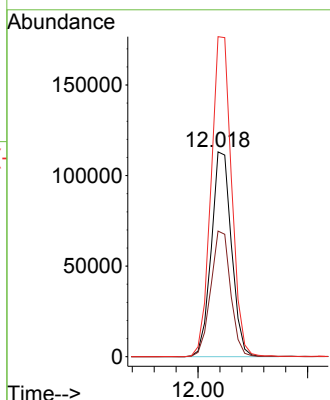
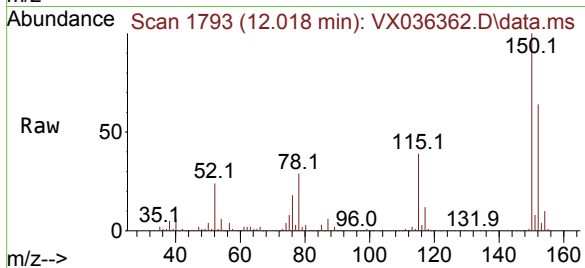
Tgt Ion:152 Resp: 144727

Ion Ratio Lower Upper

152 100

115 60.4 43.3 129.9

150 158.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.337 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036362.D

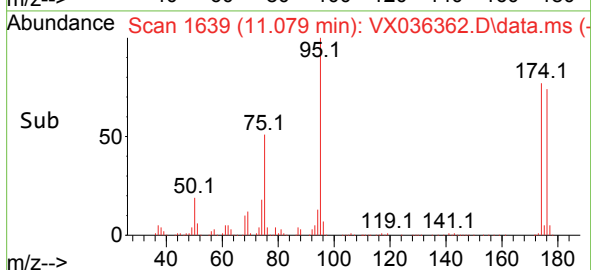
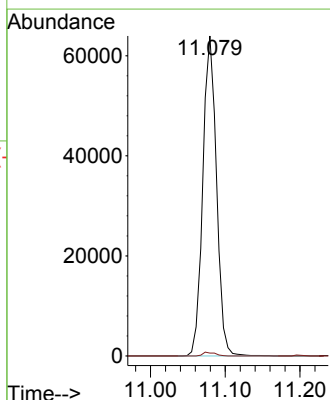
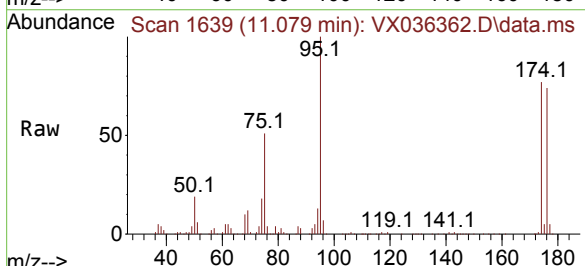
Acq: 28 Jun 2023 12:35

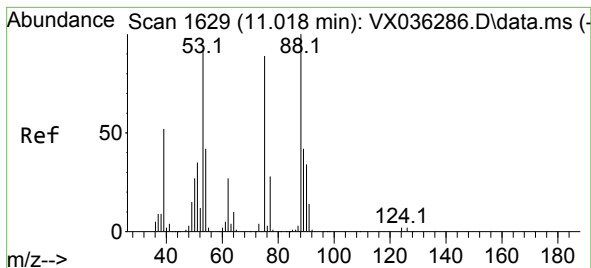
Tgt Ion: 75 Resp: 81305

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

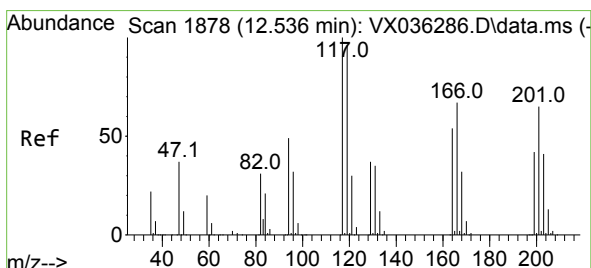
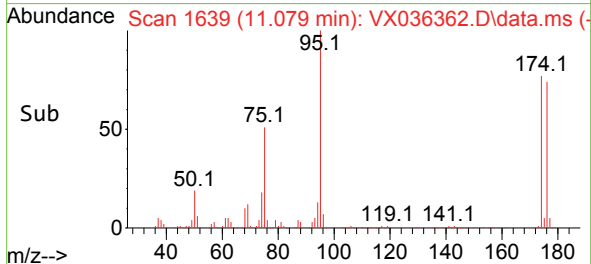
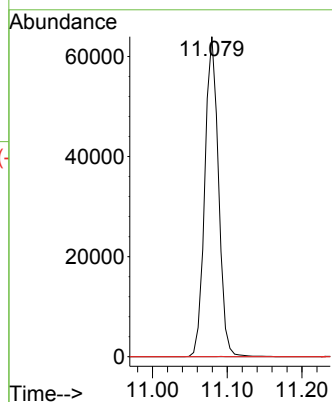
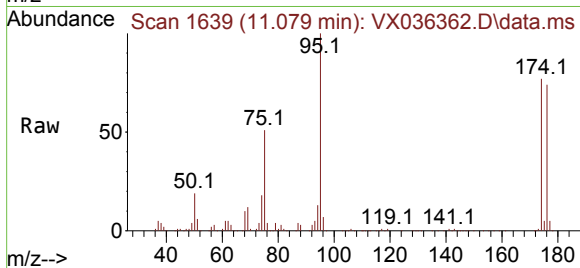




#81
trans-1,4-Dichloro-2-butene
Concen: 85.853 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

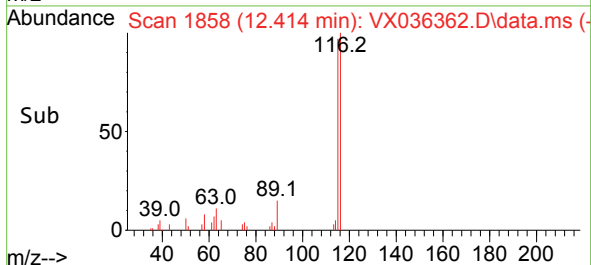
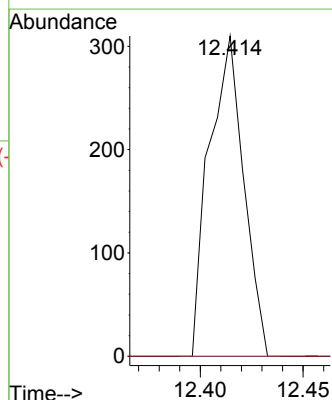
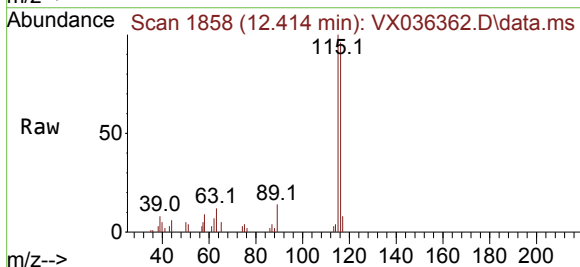
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-05-462-482-062723

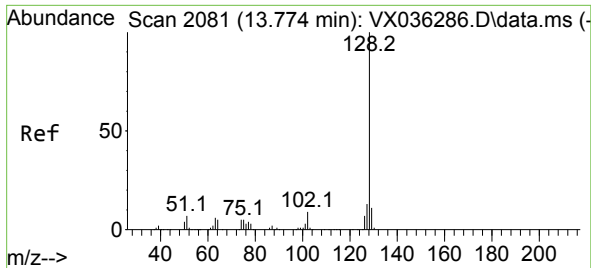
Tgt Ion: 75 Resp: 81305
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#90
Hexachloroethane
Concen: 0.254 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.122 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

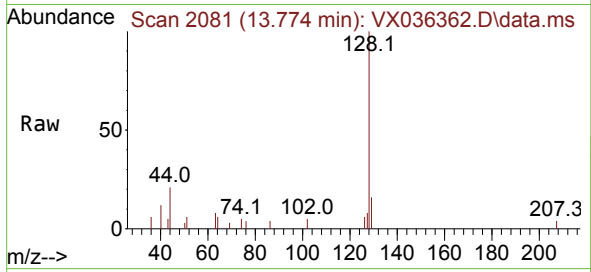
Tgt Ion: 117 Resp: 362
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 0.207 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036362.D
Acq: 28 Jun 2023 12:35

Instrument : MSVOA_X
ClientSampleId : GWOW-BR-05-462-482-062723



Tgt Ion:	128	Resp:	2044
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.3	15.5
129	10.9	8.8	13.2

