

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102023\
 Data File : VX038402.D
 Acq On : 20 Oct 2023 15:06
 Operator : JC/MD
 Sample : 04986-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWOW-BR-06-209-229-101923

Quant Time: Oct 21 01:42:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

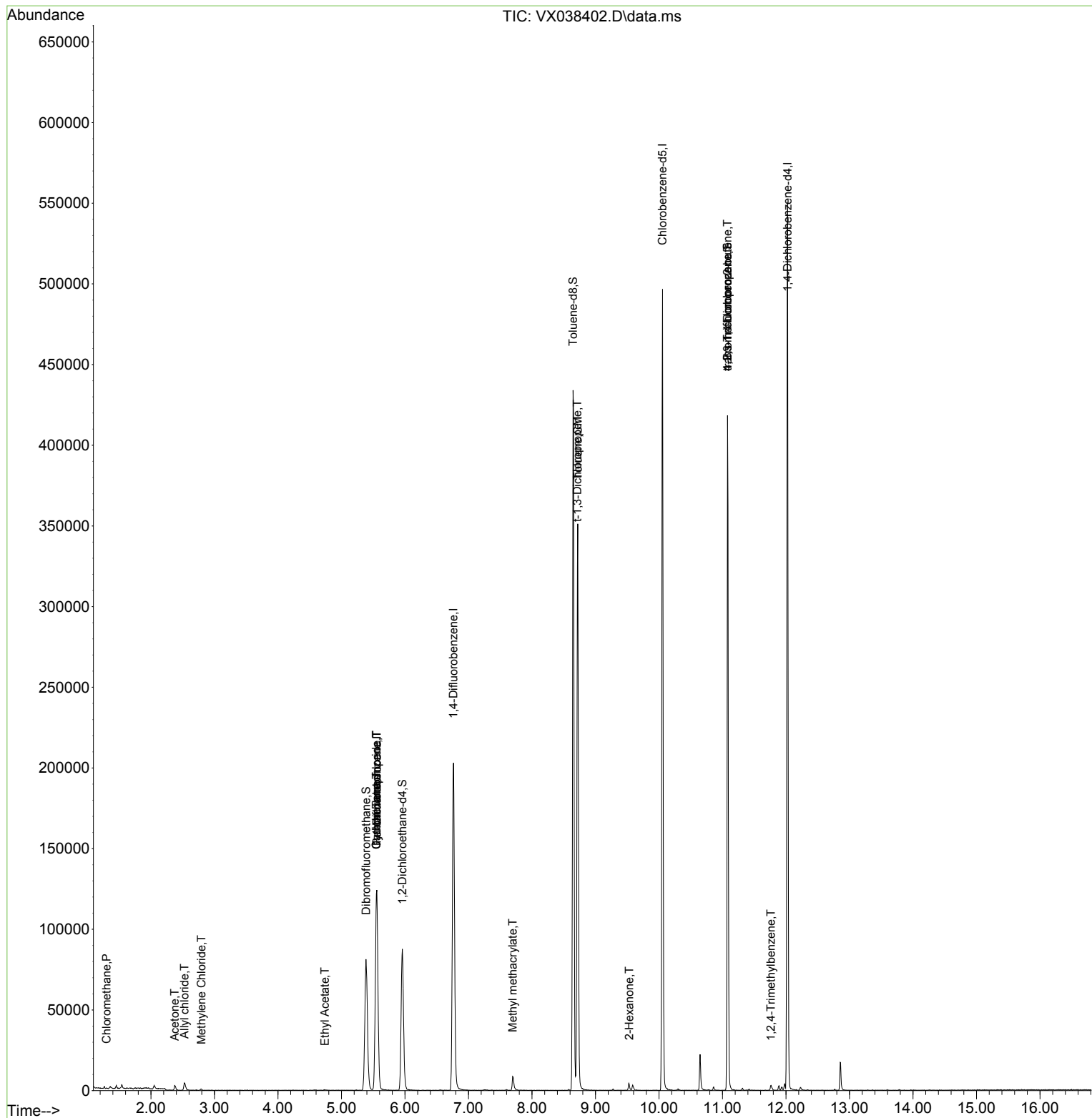
Internal Standards						
1) Pentafluorobenzene	5.556	168	117206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	208747	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83896	44.503	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.000%
35) Dibromofluoromethane	5.385	113	69129	45.959	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.920%
50) Toluene-d8	8.647	98	264090	45.947	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.900%#
62) 4-Bromofluorobenzene	11.079	95	102785	47.170	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.340%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	269	0.233	ug/l	92
6) Chloroethane	1.685	64	42	Below Cal	#	43
11) Tert butyl alcohol	2.965	59	42	Below Cal	#	78
14) Allyl chloride	2.526	41	552	0.288	ug/l #	27
16) Acetone	2.374	43	3305	4.201	ug/l	99
20) Methylene Chloride	2.794	84	423	0.286	ug/l #	72
31) Cyclohexane	5.550	56	2704	1.324	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	9782	4.716	ug/l #	51
37) Ethyl Acetate	4.739	43	703	0.285	ug/l #	69
38) Carbon Tetrachloride	5.550	117	12151	5.955	ug/l #	15
48) Methyl methacrylate	7.696	41	4604	2.623	ug/l	92
52) Toluene	8.720	92	132373	35.028	ug/l	93
53) t-1,3-Dichloropropene	8.714	75	1652	0.743	ug/l #	1
59) 2-Hexanone	9.531	43	643	0.315	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	56571	21.593	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	56571	61.997	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.762	105	1400	0.211	ug/l #	33

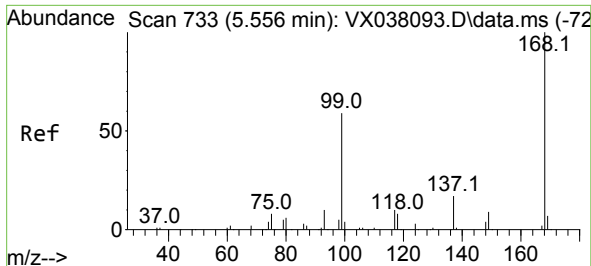
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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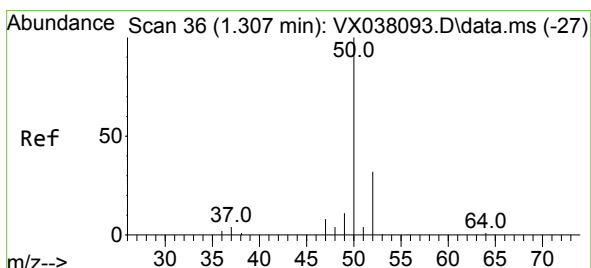
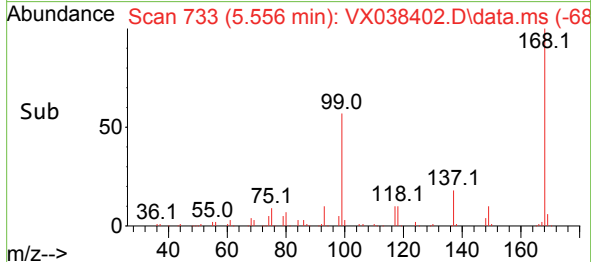
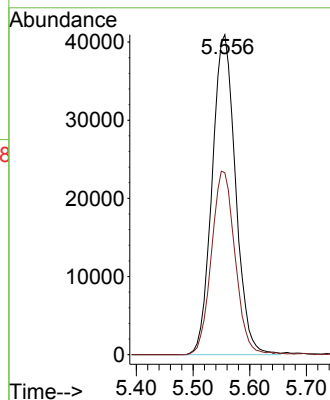
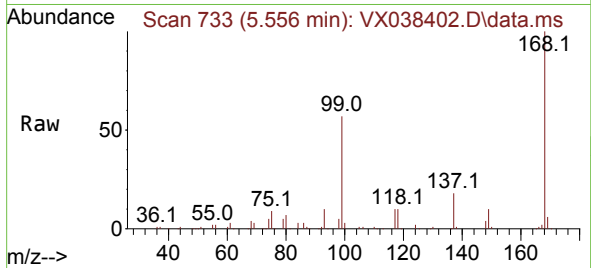




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

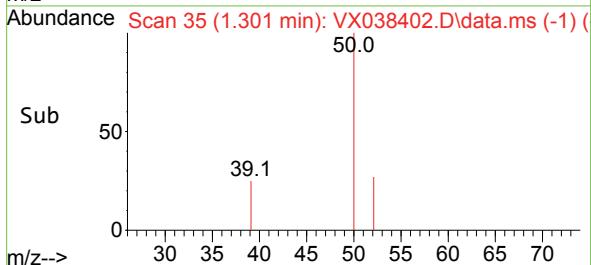
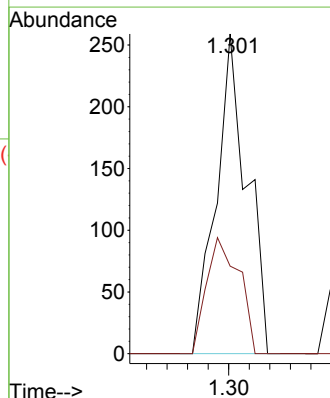
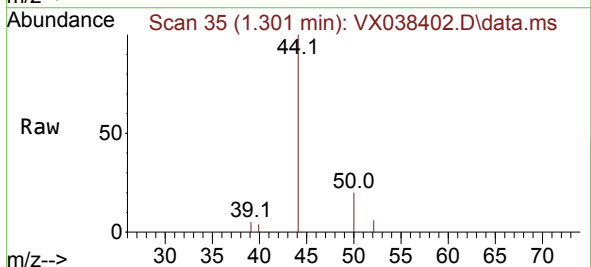
Instrument : MSVOA_X
ClientSampleId : GWOW-BR-06-209-229-101923

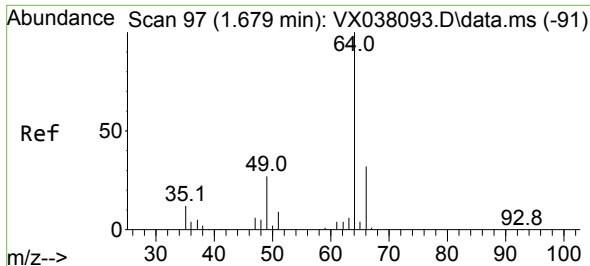
Tgt Ion:168 Resp: 117206
Ion Ratio Lower Upper
168 100
99 56.9 56.6 85.0



#3
Chloromethane
Concen: 0.233 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

Tgt Ion: 50 Resp: 269
Ion Ratio Lower Upper
50 100
52 27.4 25.5 38.3

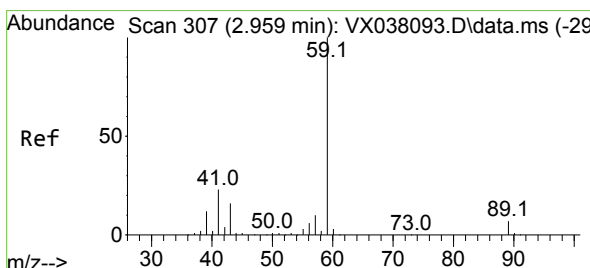
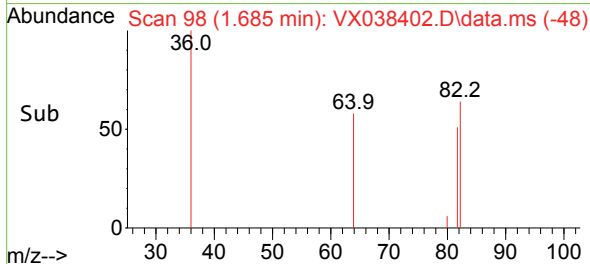
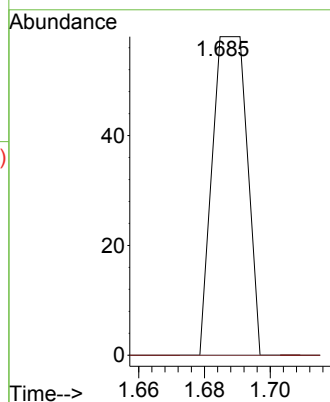
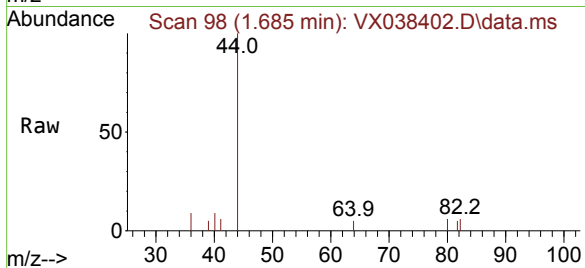




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

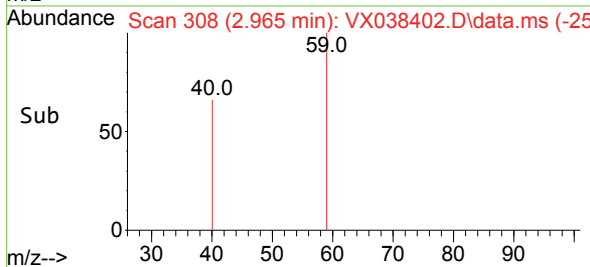
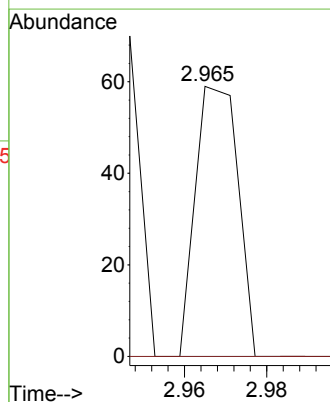
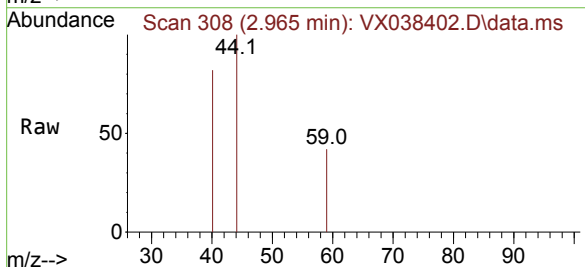
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-06-209-229-101923

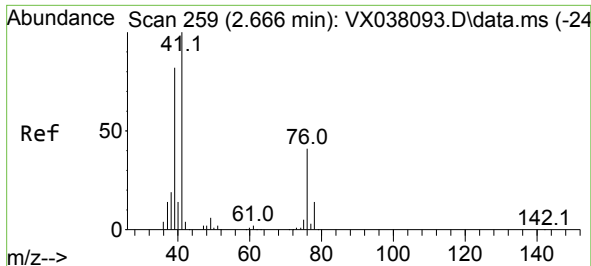
Tgt Ion: 64 Resp: 42
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

Tgt Ion: 59 Resp: 42
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

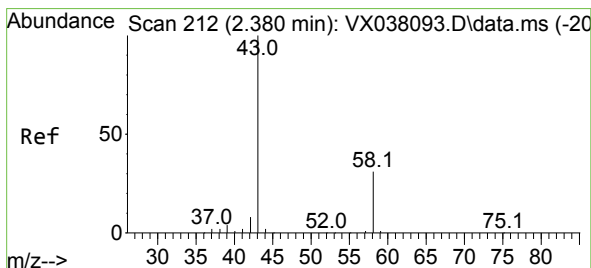
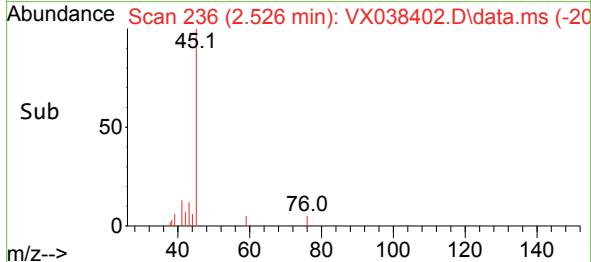
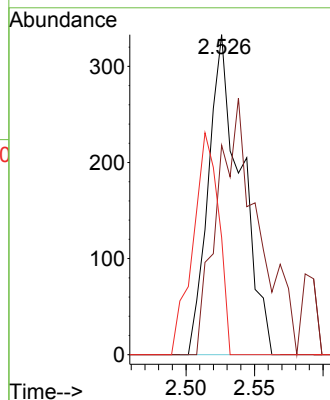
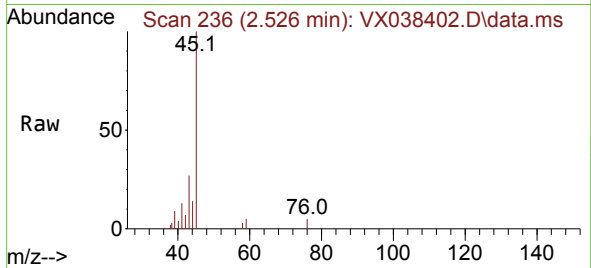




#14
 Allyl chloride
 Concen: 0.288 ug/l
 RT: 2.526 min Scan# 211
 Delta R.T. -0.134 min
 Lab File: VX038402.D
 Acq: 20 Oct 2023 15:06

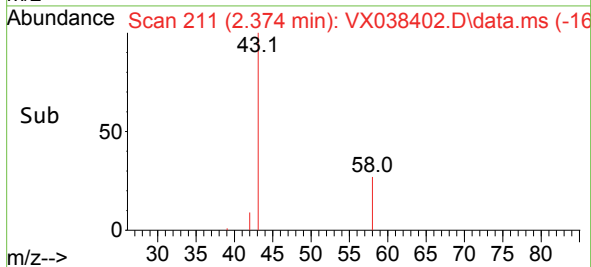
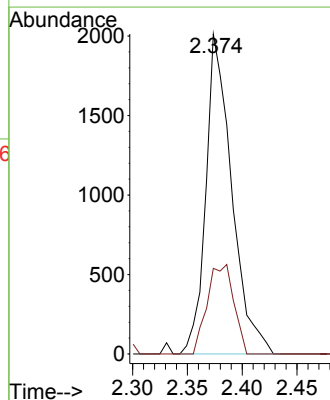
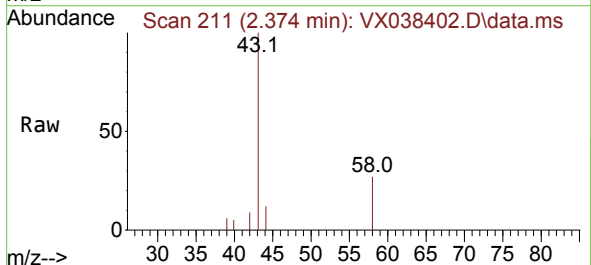
Instrument :
 MSVOA_X
 ClientSampleId :
 GWOW-BR-06-209-229-101923

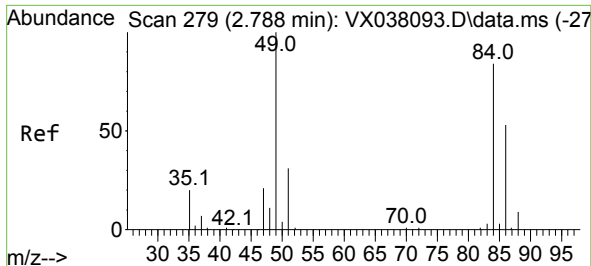
Tgt Ion: 41 Resp: 552
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.8 83.6#
 76 54.7 24.3 36.5#



#16
 Acetone
 Concen: 4.201 ug/l
 RT: 2.374 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: VX038402.D
 Acq: 20 Oct 2023 15:06

Tgt Ion: 43 Resp: 3305
 Ion Ratio Lower Upper
 43 100
 58 26.8 21.9 32.9



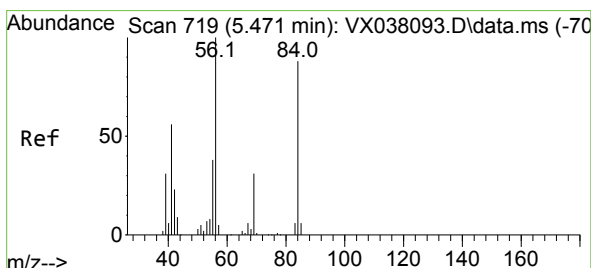
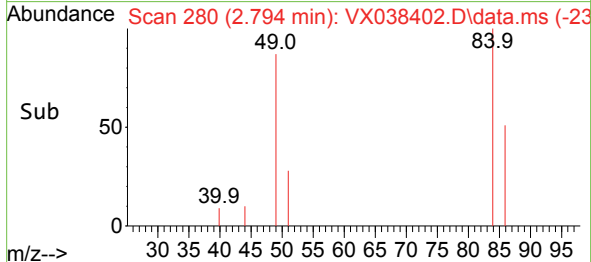
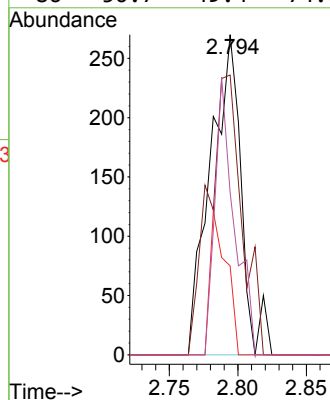
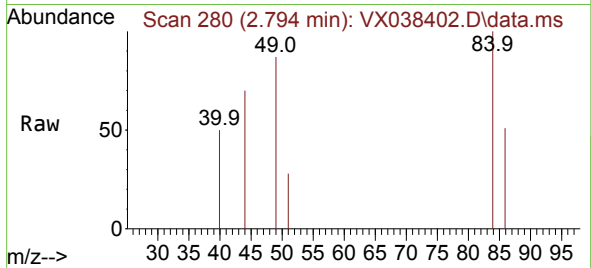


#20
Methylene Chloride
Concen: 0.286 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

Instrument : MSVOA_X
ClientSampleId : GWOW-BR-06-209-229-101923

Tgt Ion: 84 Resp: 423

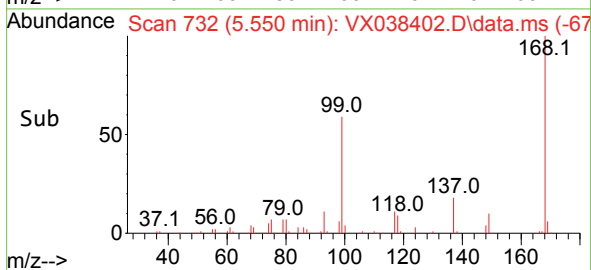
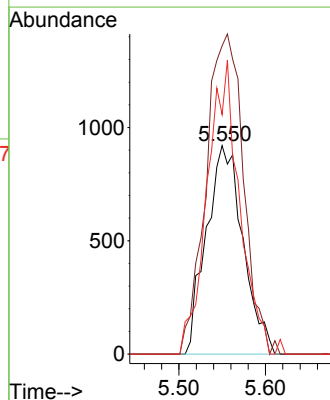
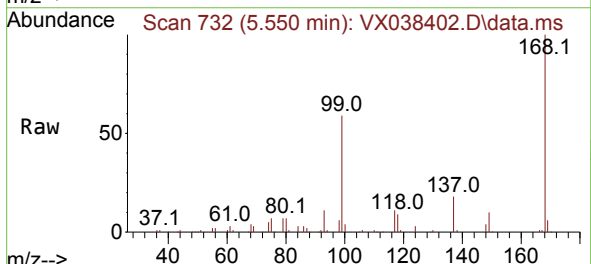
Ion	Ratio	Lower	Upper
84	100		
49	87.4	103.6	155.4#
51	27.8	33.8	50.6#
86	50.7	49.4	74.0

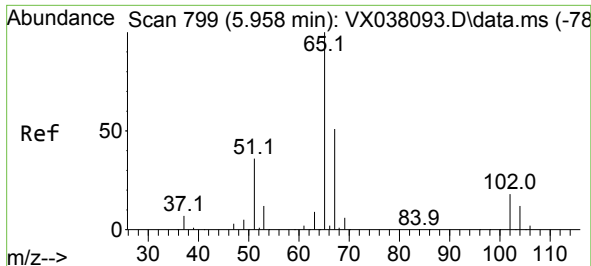


#31
Cyclohexane
Concen: 1.324 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

Tgt Ion: 56 Resp: 2704

Ion	Ratio	Lower	Upper
56	100		
69	147.9	23.4	35.2#
84	114.9	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.503 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038402.D

Acq: 20 Oct 2023 15:06

Instrument :

MSVOA_X

ClientSampleId :

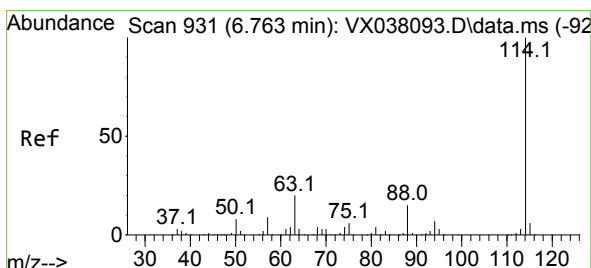
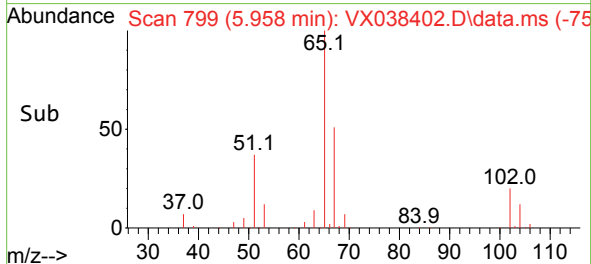
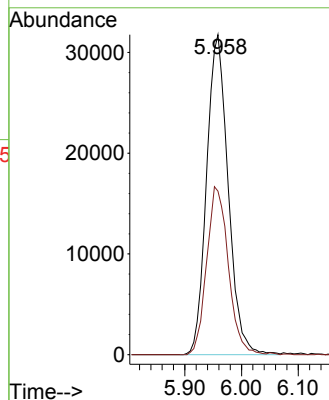
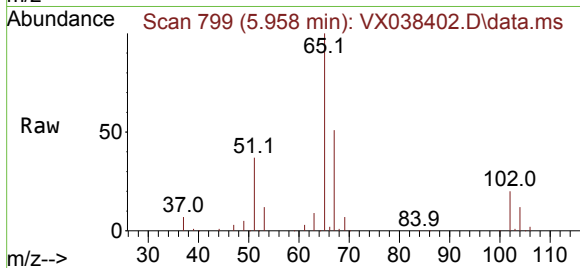
GWOW-BR-06-209-229-101923

Tgt Ion: 65 Resp: 83896

Ion Ratio Lower Upper

65 100

67 52.8 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: VX038402.D

Acq: 20 Oct 2023 15:06

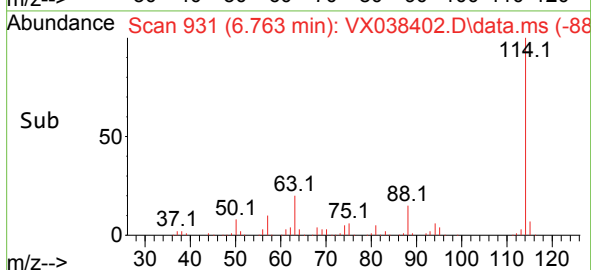
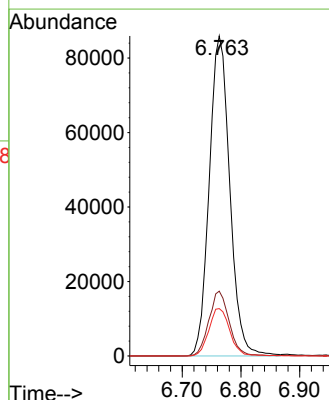
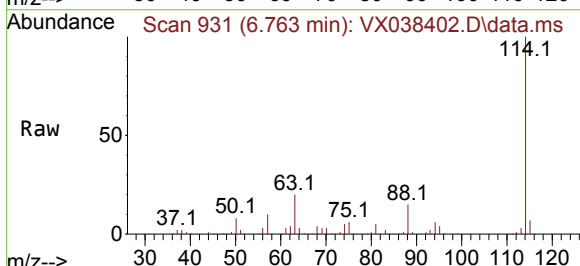
Tgt Ion: 114 Resp: 208747

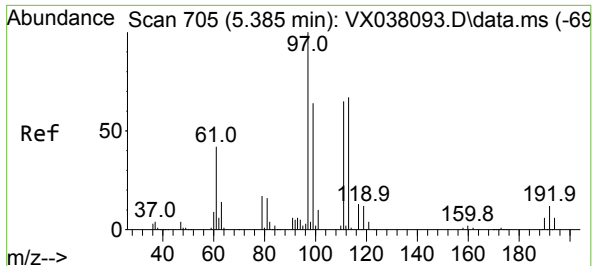
Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.0

88 14.8 0.0 36.6

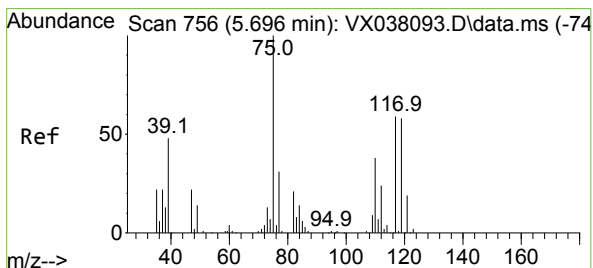
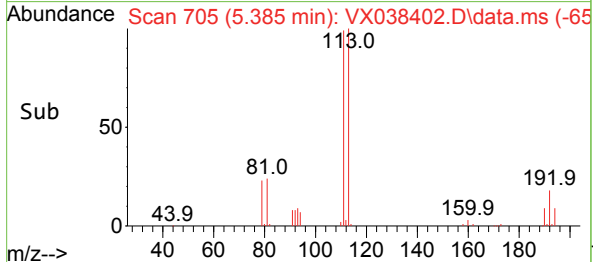
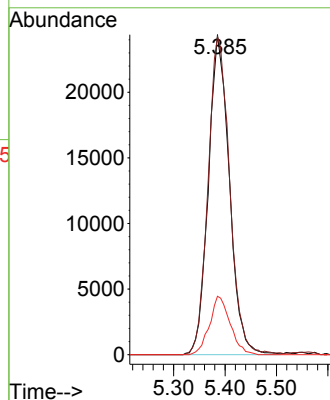
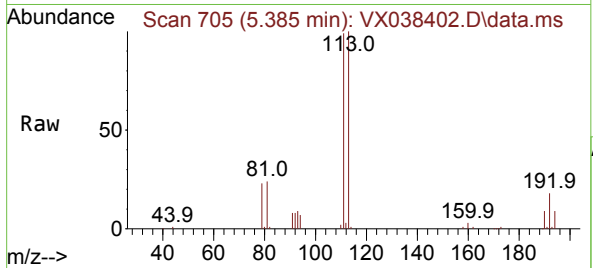




#35
Dibromofluoromethane
Concen: 45.959 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

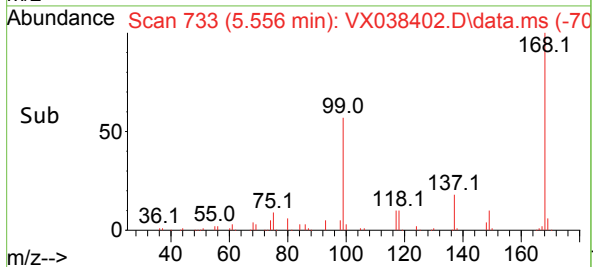
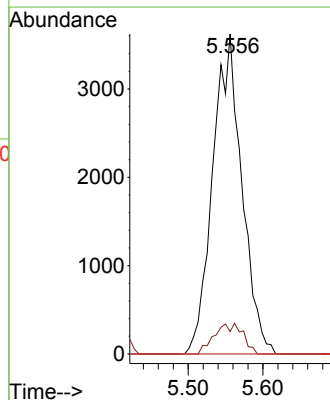
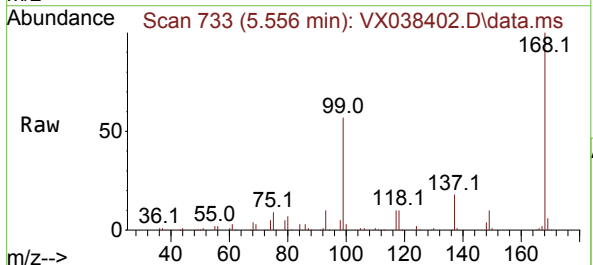
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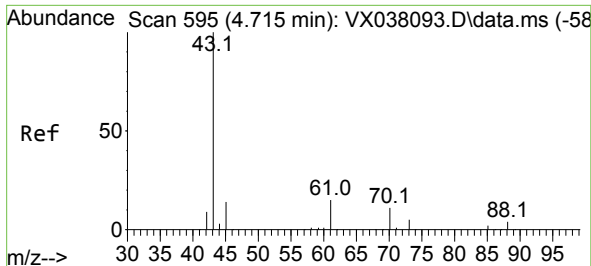
Tgt Ion:113 Resp: 69129
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.716 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

Tgt Ion: 75 Resp: 9782
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#

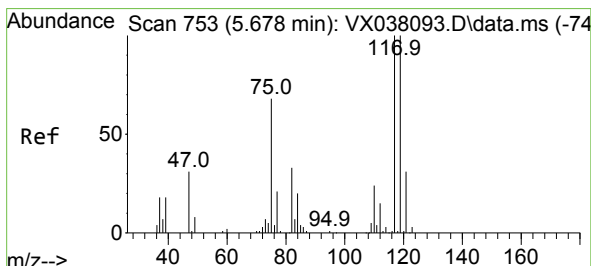
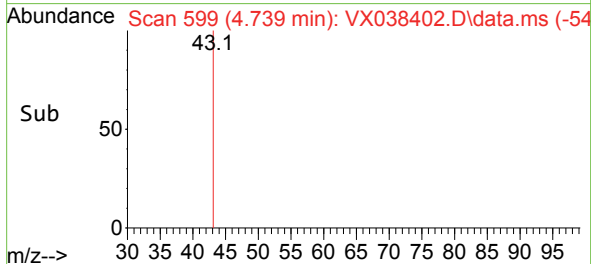
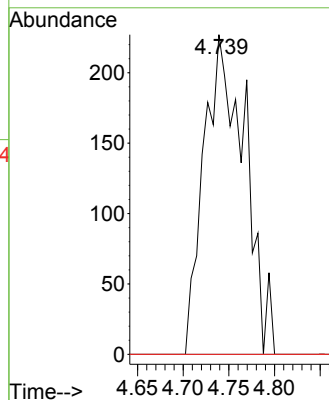
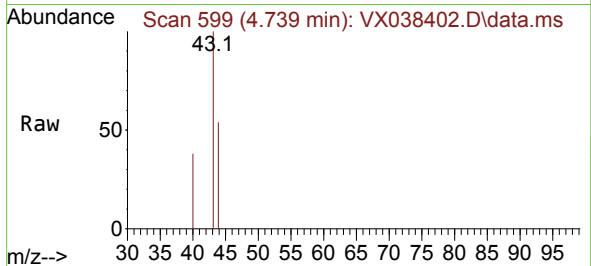




#37
Ethyl Acetate
Concen: 0.285 ug/l
RT: 4.739 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

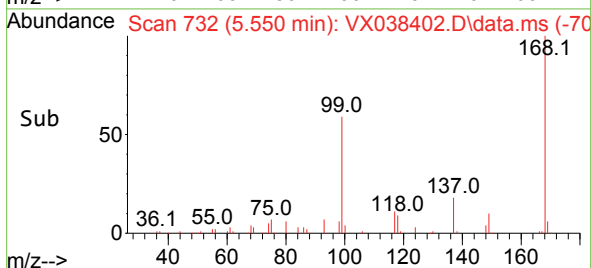
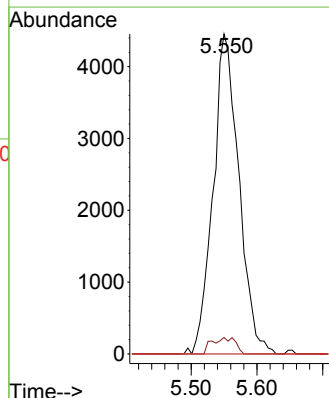
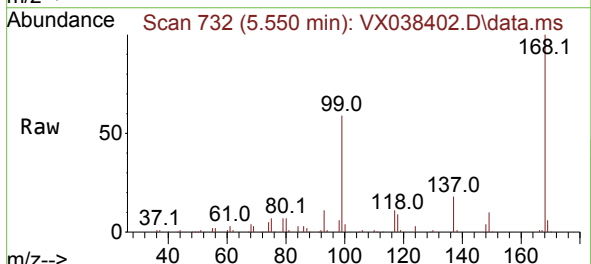
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-06-209-229-101923

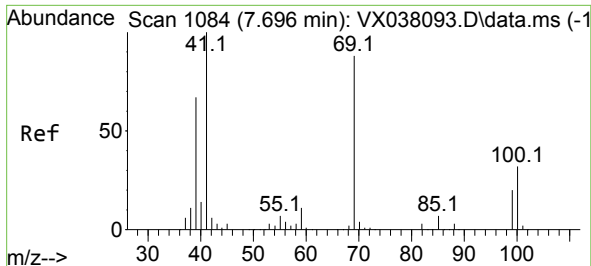
Tgt Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 5.955 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

Tgt Ion: 117 Resp: 12151
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 24.4 36.6#

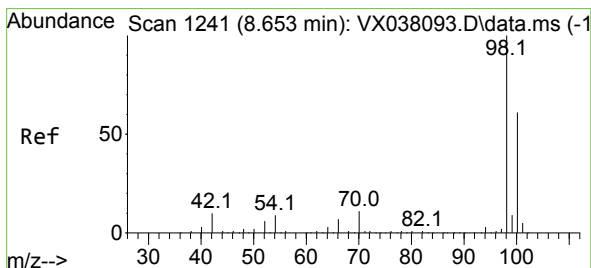
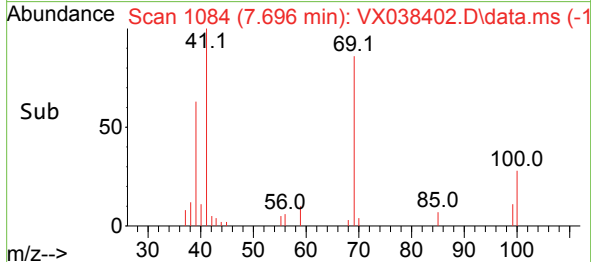
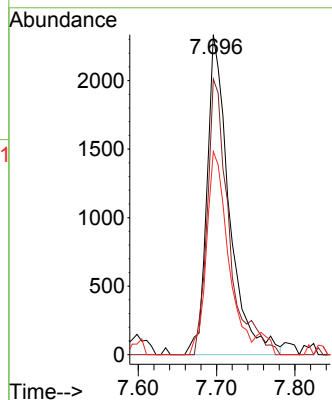
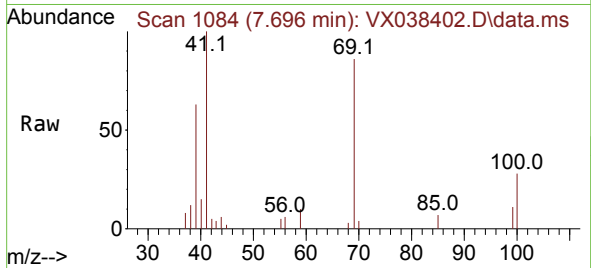




#48
Methyl methacrylate
Concen: 2.623 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

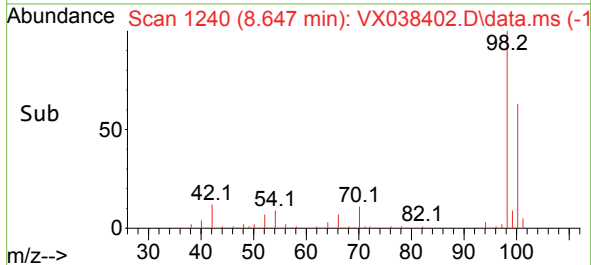
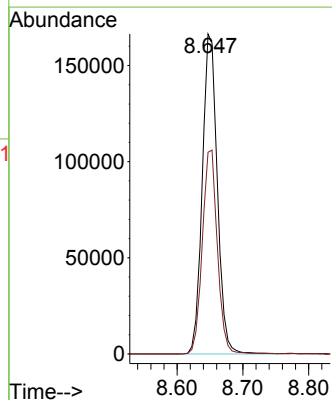
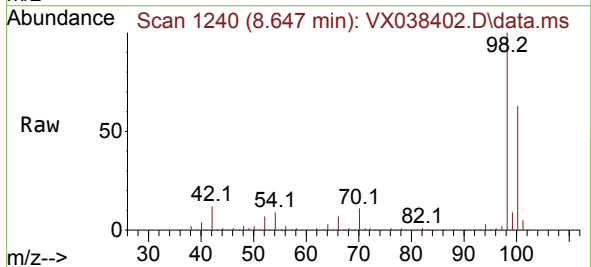
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-06-209-229-101923

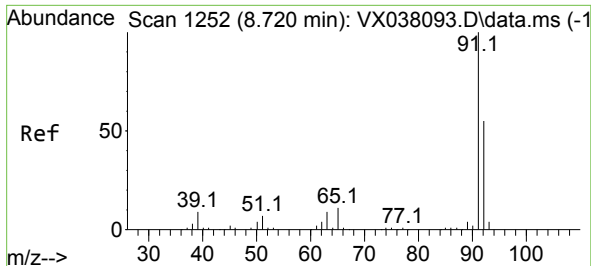
Tgt Ion: 41	Resp: 4604
Ion Ratio	Lower Upper
41	100
69	84.0 59.2 88.8
39	61.7 47.7 71.5



#50
Toluene-d8
Concen: 45.947 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

Tgt Ion: 98	Resp: 264090
Ion Ratio	Lower Upper
98	100
100	63.8 53.1 79.7

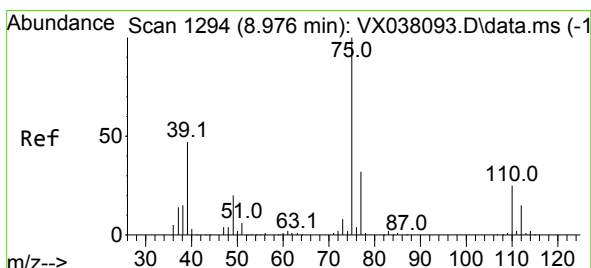
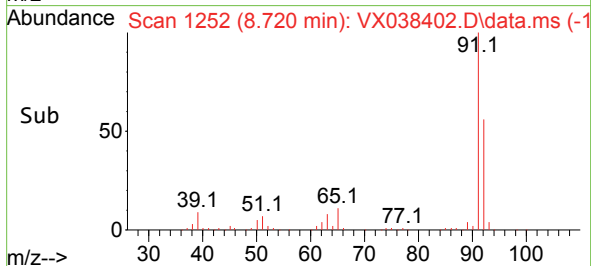
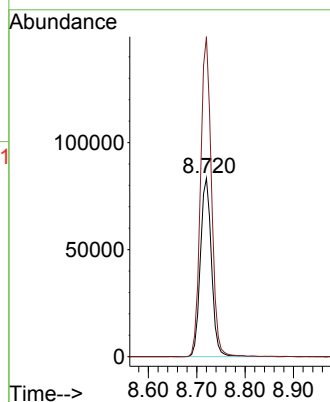
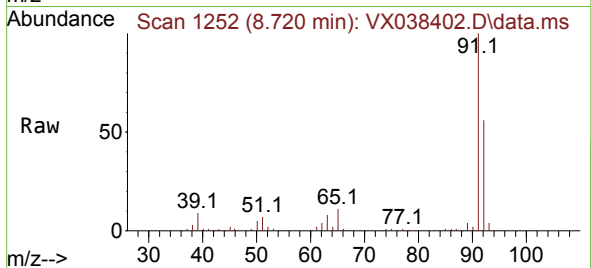




#52
Toluene
Concen: 35.028 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

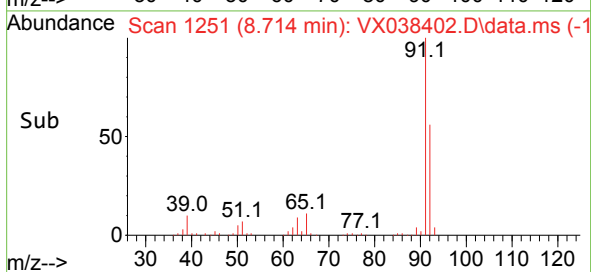
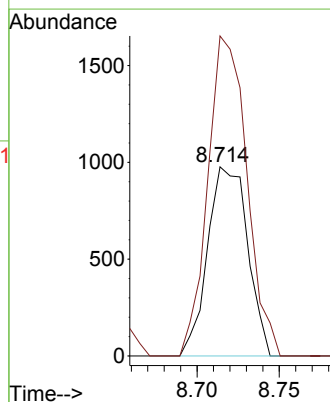
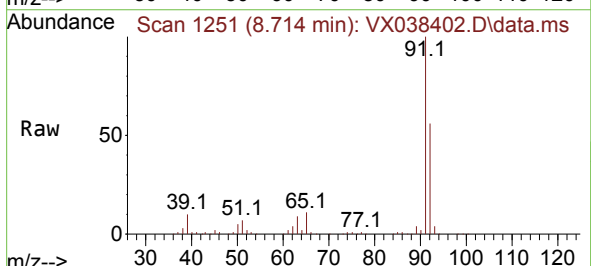
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-06-209-229-101923

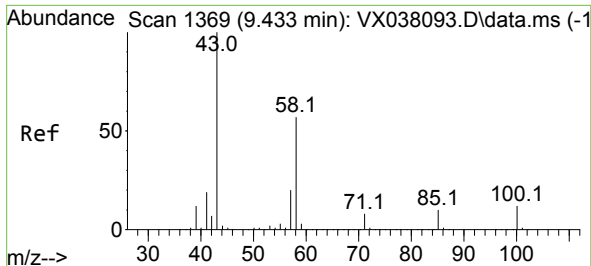
Tgt Ion: 92 Resp: 132373
Ion Ratio Lower Upper
92 100
91 177.3 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.743 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.262 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

Tgt Ion: 75 Resp: 1652
Ion Ratio Lower Upper
75 100
77 169.2 25.7 38.5#

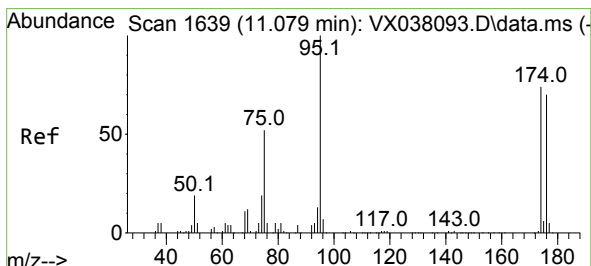
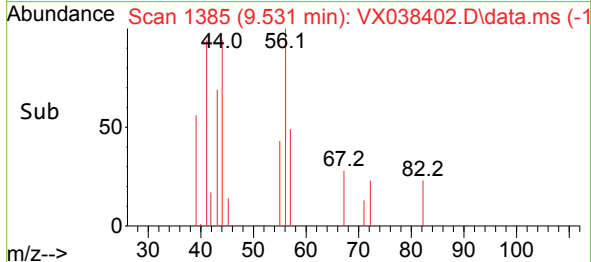
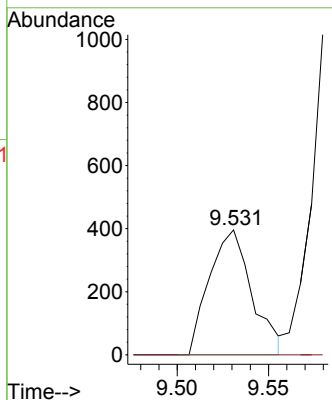
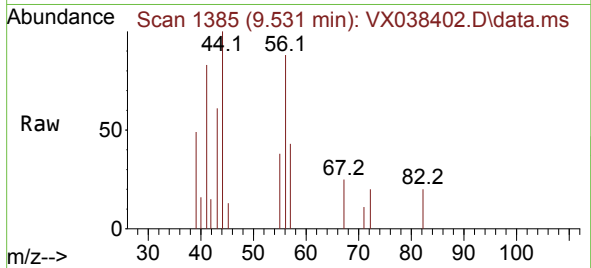




#59
2-Hexanone
Concen: 0.315 ug/l
RT: 9.531 min Scan# 1385
Delta R.T. 0.098 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

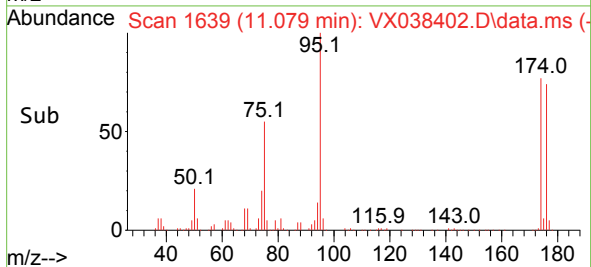
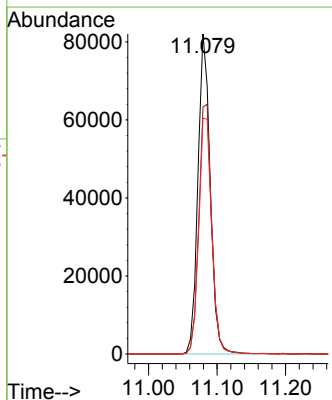
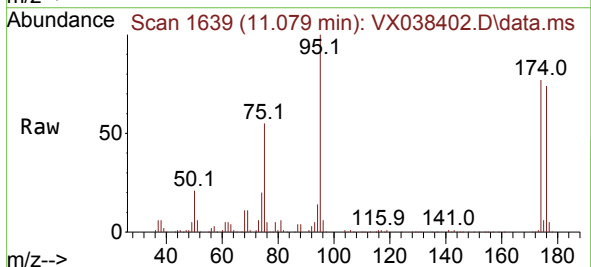
Instrument :
MSVOA_X
ClientSampleId :
GWOW-BR-06-209-229-101923

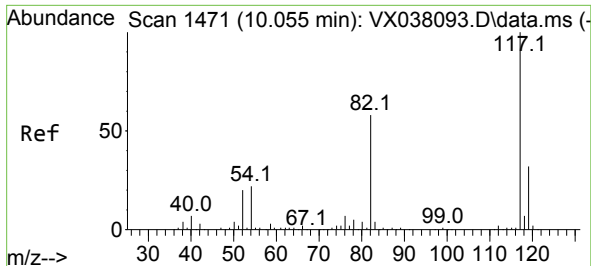
Tgt Ion: 43 Resp: 643
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 47.170 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

Tgt Ion: 95 Resp: 102785
Ion Ratio Lower Upper
95 100
174 82.2 0.0 135.6
176 77.9 0.0 131.0

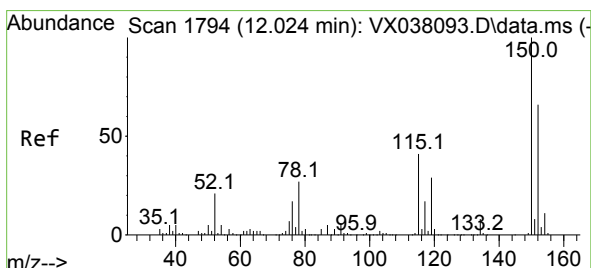
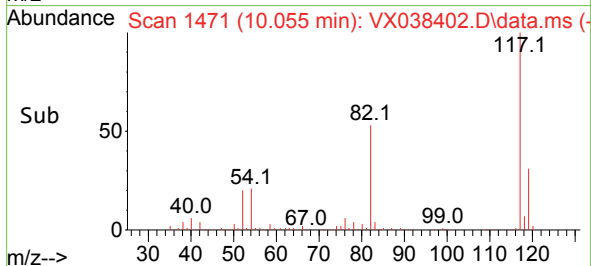
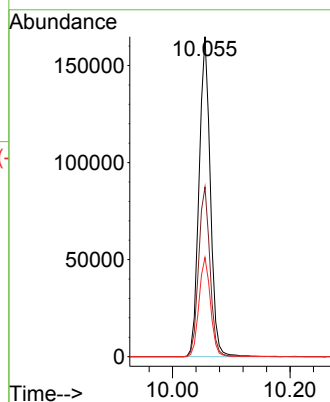
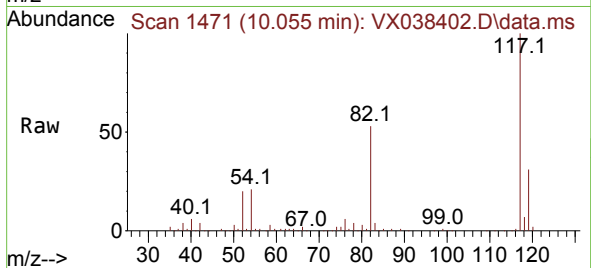




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

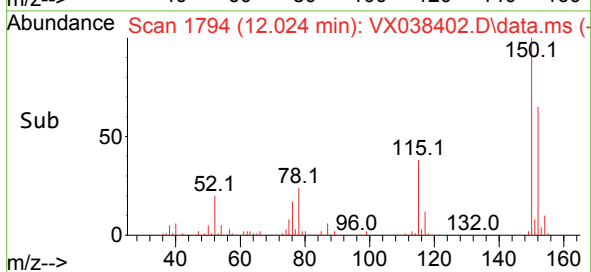
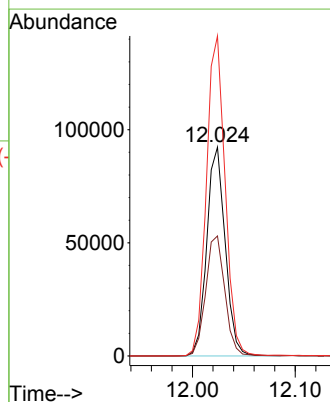
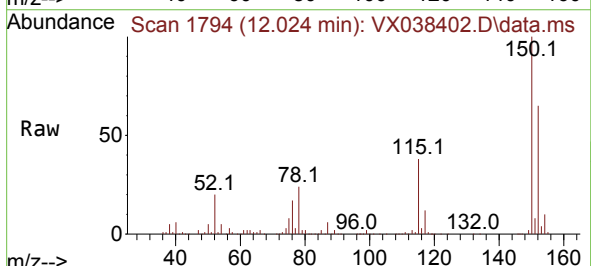
Instrument : MSVOA_X
ClientSampleId : GWOW-BR-06-209-229-101923

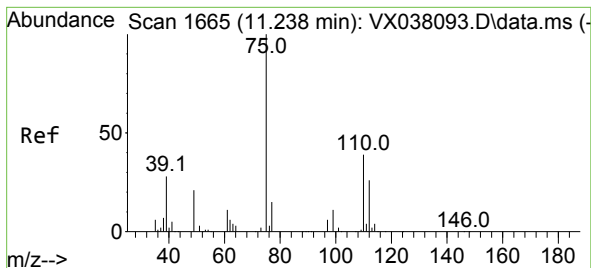
Tgt Ion:117 Resp: 219426
Ion Ratio Lower Upper
117 100
82 53.0 46.2 69.4
119 31.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038402.D
Acq: 20 Oct 2023 15:06

Tgt Ion:152 Resp: 115243
Ion Ratio Lower Upper
152 100
115 59.9 43.3 129.9
150 155.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.593 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038402.D

Acq: 20 Oct 2023 15:06

Instrument :

MSVOA_X

ClientSampleId :

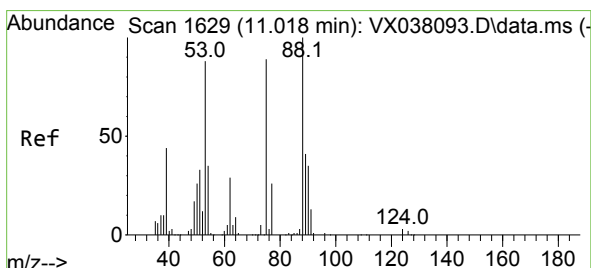
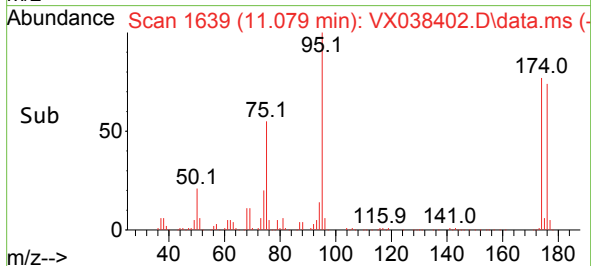
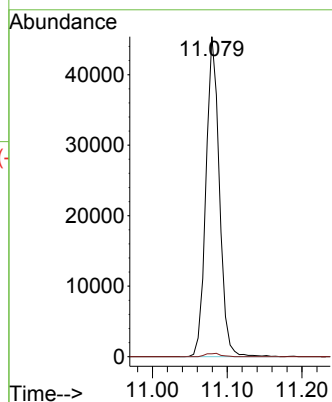
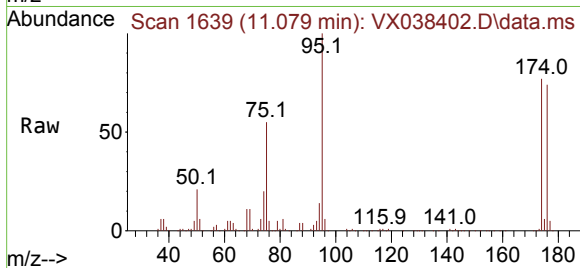
GWOW-BR-06-209-229-101923

Tgt Ion: 75 Resp: 56571

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.997 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038402.D

Acq: 20 Oct 2023 15:06

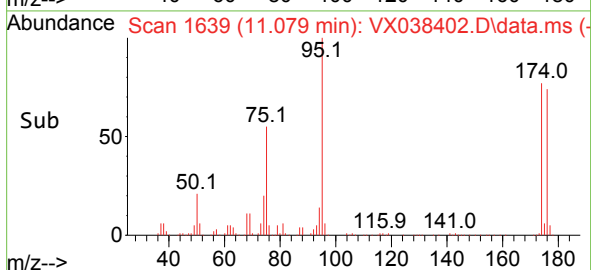
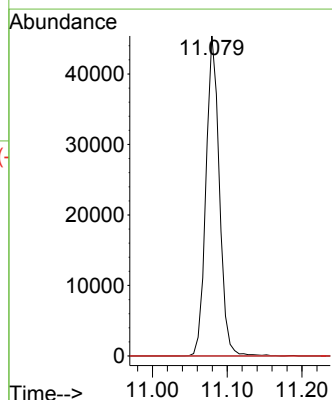
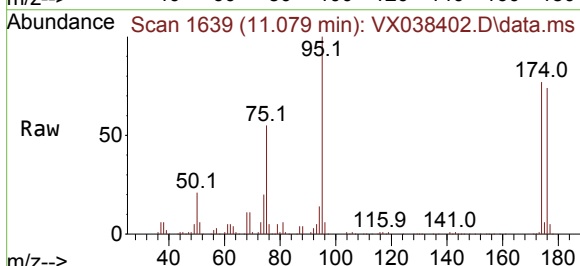
Tgt Ion: 75 Resp: 56571

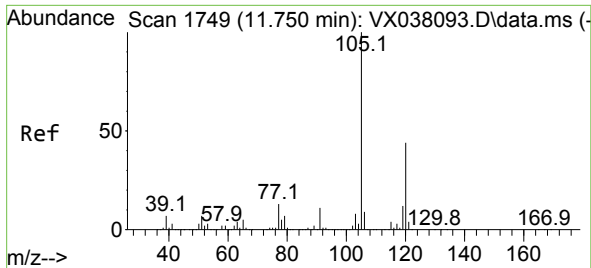
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

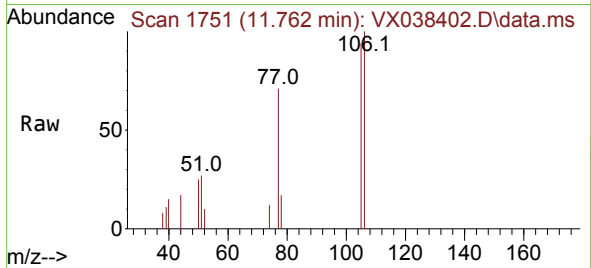
89 0.0 36.9 55.3#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.211 ug/l
 RT: 11.762 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX038402.D
 Acq: 20 Oct 2023 15:06

Instrument :
 MSVOA_X
 ClientSampleId :
 GWOW-BR-06-209-229-101923



Tgt Ion:105 Resp: 1400
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.2 63.6#

