

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071222\
 Data File : VN073439.D
 Acq On : 12 Jul 2022 16:11
 Operator : JC\MD
 Sample : N3636-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-03-130-150-070722

Quant Time: Jul 13 06:18:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

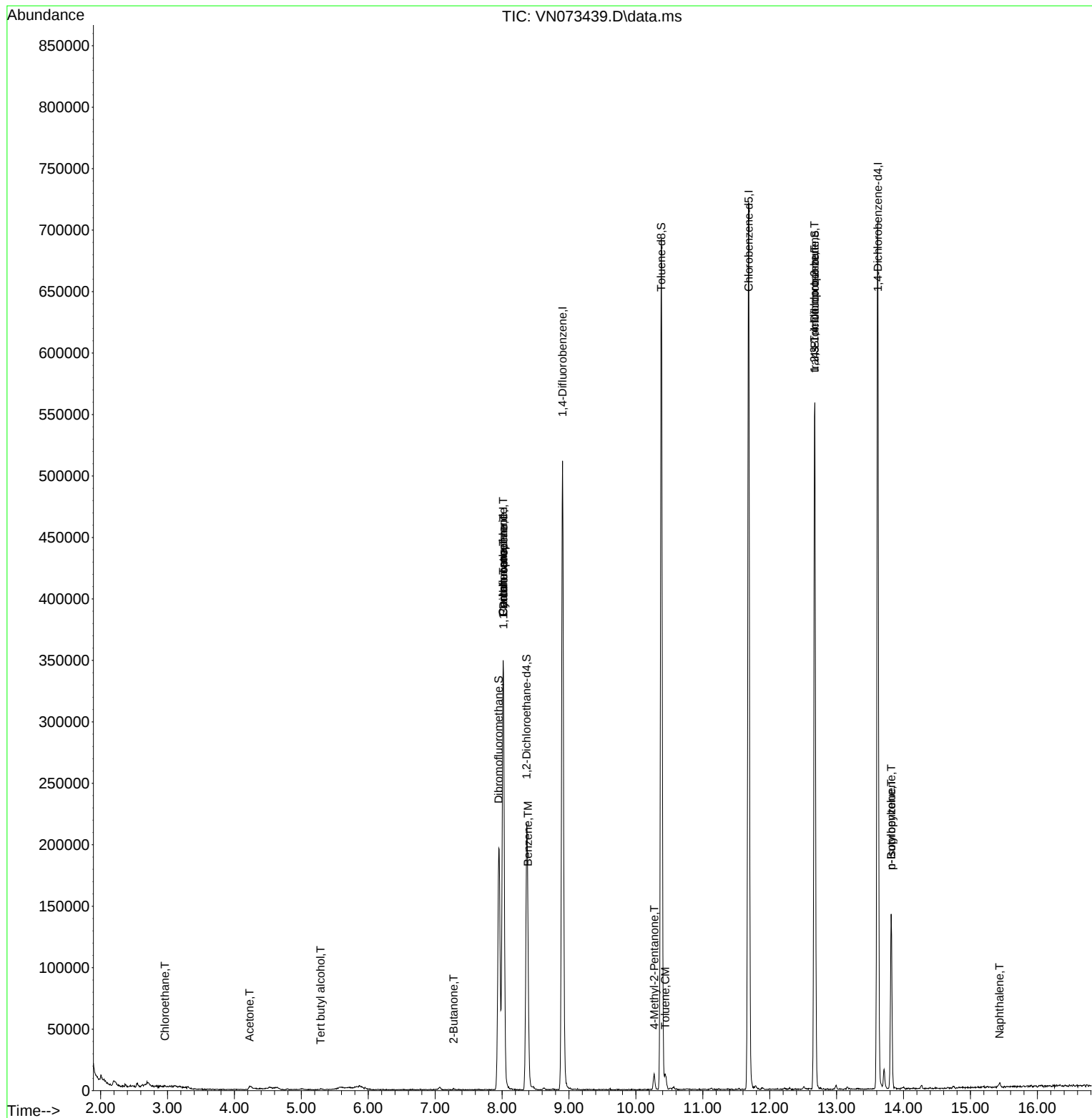
Internal Standards						
1) Pentafluorobenzene	8.016	168	257656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	442942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	403889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	186174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	177961	47.845	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.680%		
35) Dibromofluoromethane	7.951	113	148361	50.344	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.680%		
50) Toluene-d8	10.380	98	464763	44.404	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.800%		
62) 4-Bromofluorobenzene	12.674	95	197101	49.002	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.000%		
Target Compounds						Qvalue
6) Chloroethane	2.963	64	510	0.279	ug/l #	42
11) Tert butyl alcohol	5.287	59	400	0.444	ug/l #	72
16) Acetone	4.228	43	6593	3.158	ug/l	97
25) 2-Butanone	7.275	43	1208	0.363	ug/l #	45
31) Cyclohexane	8.016	56	6574	1.079	ug/l #	13
36) 1,1-Dichloropropene	8.022	75	21892	4.828	ug/l #	49
38) Carbon Tetrachloride	8.016	117	27423	5.848	ug/l #	16
40) Benzene	8.386	78	14936	1.067	ug/l #	85
51) 4-Methyl-2-Pentanone	10.274	43	9528	1.526	ug/l #	86
52) Toluene	10.439	92	3940	0.456	ug/l	95
76) 1,2,3-Trichloropropane	12.668	75	102332	21.021	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	102332	57.649	ug/l #	11
86) p-Isopropyltoluene	13.815	119	2935	0.230	ug/l #	1
89) n-Butylbenzene	13.815	91	11617	1.094	ug/l #	39
95) Naphthalene	15.433	128	3604	0.251	ug/l #	93

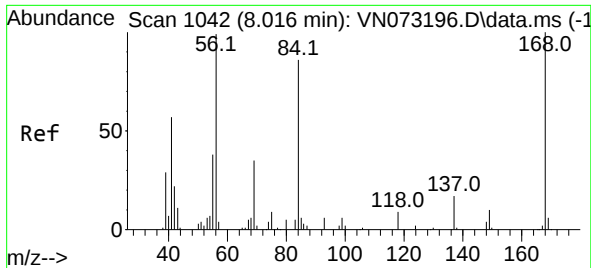
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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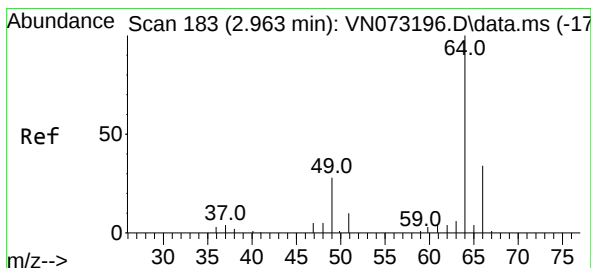
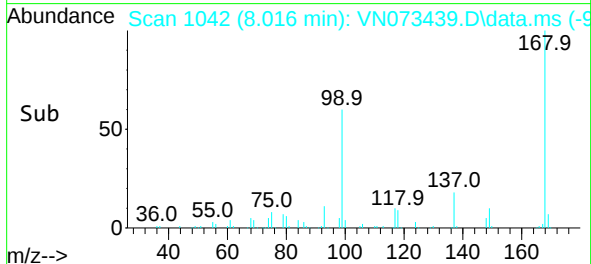
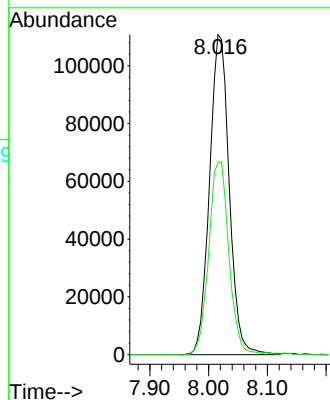
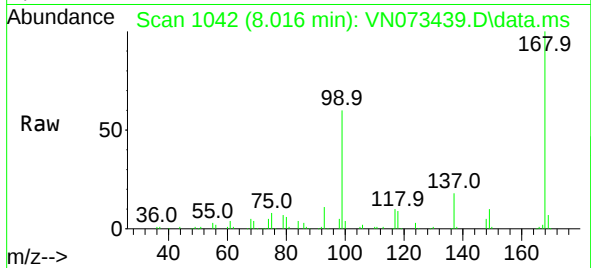




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

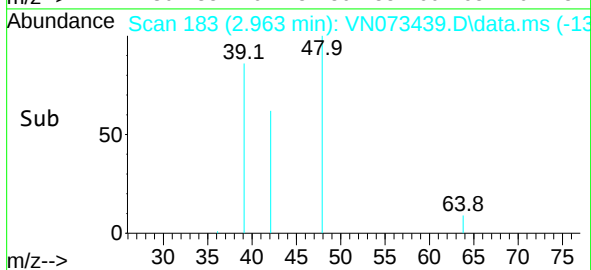
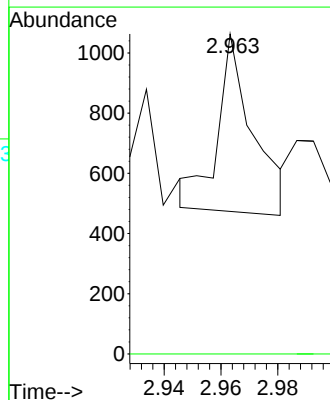
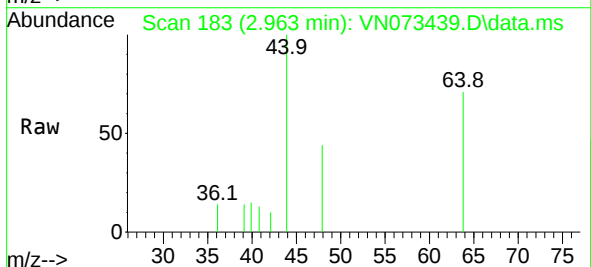
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-130-150-070722

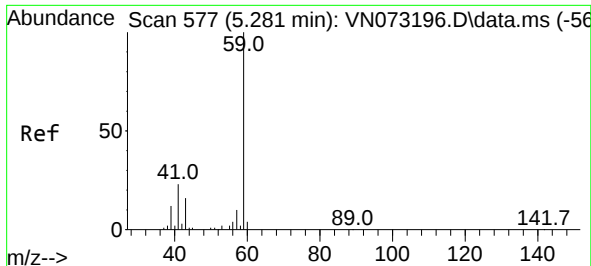
Tgt Ion:168 Resp: 257656
Ion Ratio Lower Upper
168 100
99 60.1 42.3 63.5



#6
Chloroethane
Concen: 0.279 ug/l
RT: 2.963 min Scan# 183
Delta R.T. 0.000 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

Tgt Ion: 64 Resp: 510
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 0.444 ug/l

RT: 5.287 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN073439.D

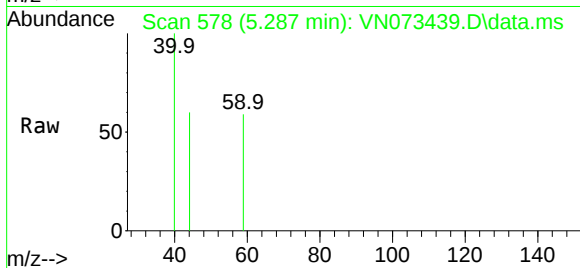
Acq: 12 Jul 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-03-130-150-070722

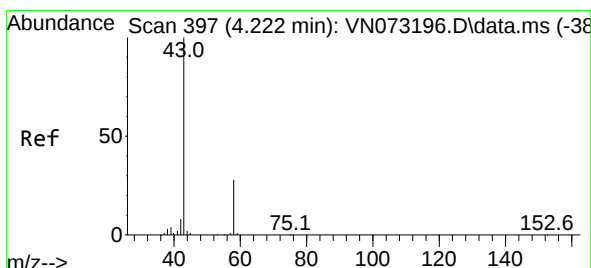
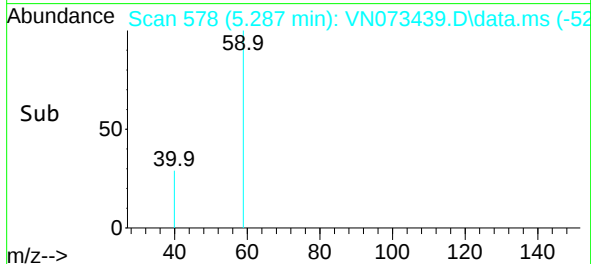
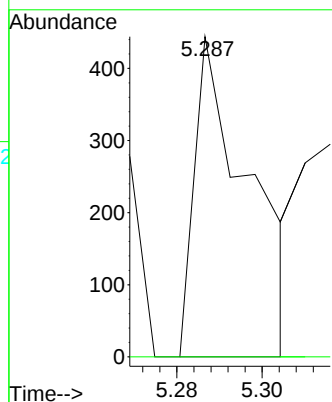


Tgt Ion: 59 Resp: 400

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 3.158 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN073439.D

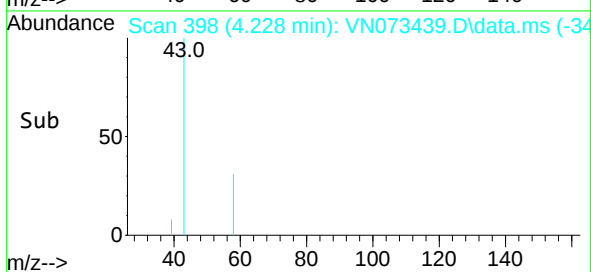
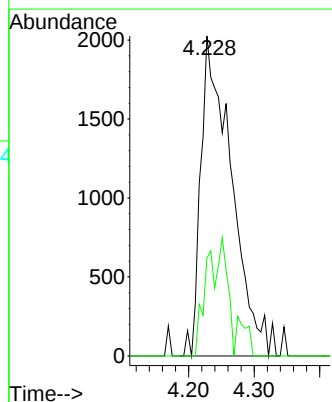
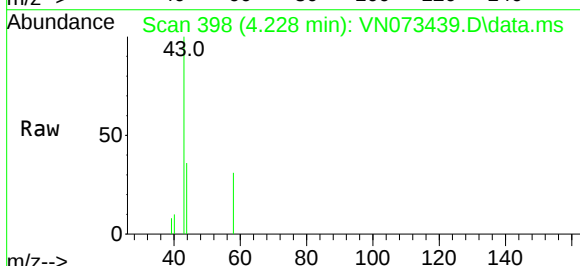
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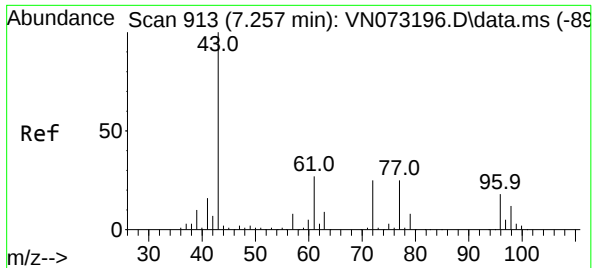
Tgt Ion: 43 Resp: 6593

Ion Ratio Lower Upper

43 100

58 30.6 26.0 39.0

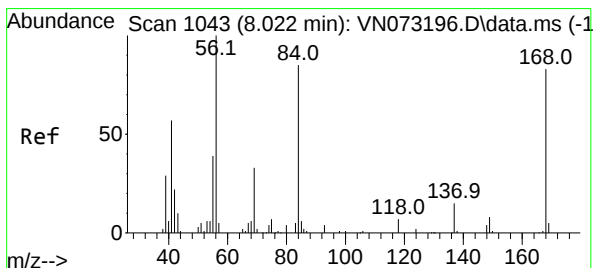
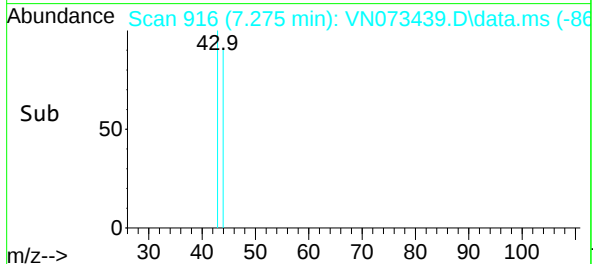
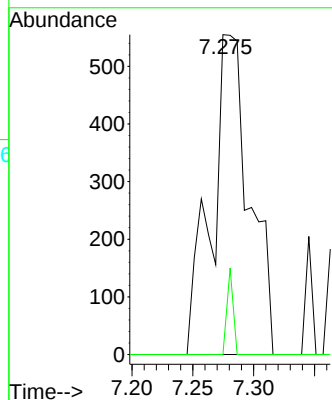
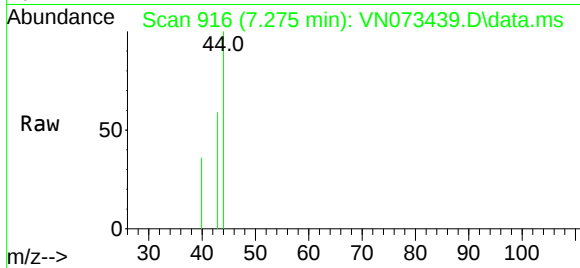




#25
2-Butanone
Concen: 0.363 ug/l
RT: 7.275 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

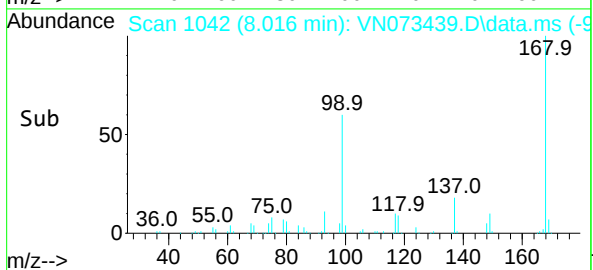
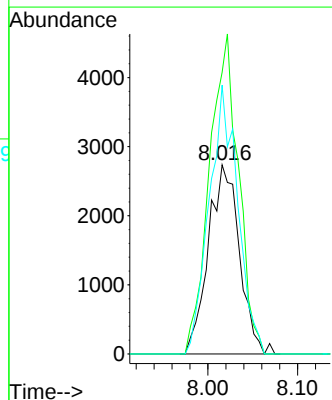
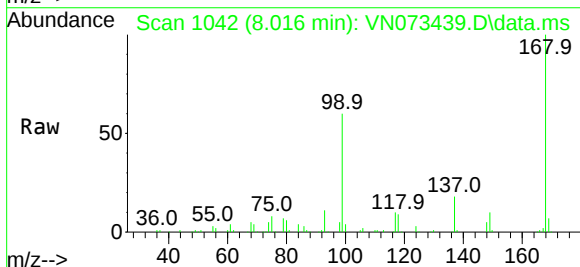
Instrument :
MSVOA_N
ClientSampleId :
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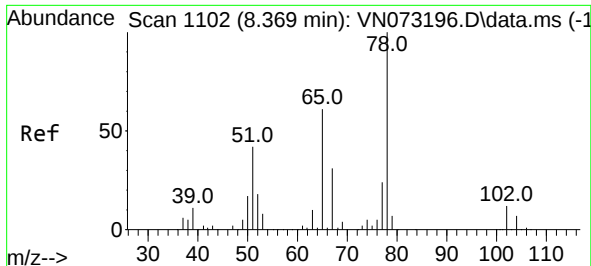
Tgt Ion: 43 Resp: 1208
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.079 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

Tgt Ion: 56 Resp: 6574
Ion Ratio Lower Upper
56 100
69 148.9 27.8 41.8#
84 142.1 76.9 115.3#

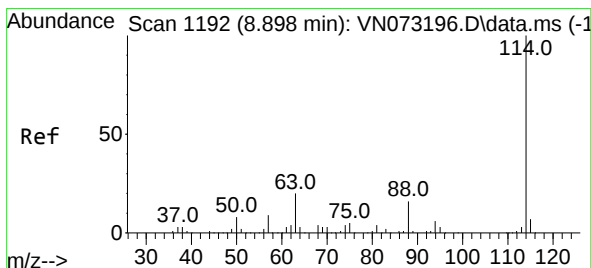
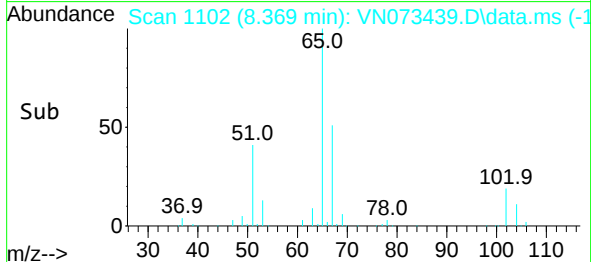
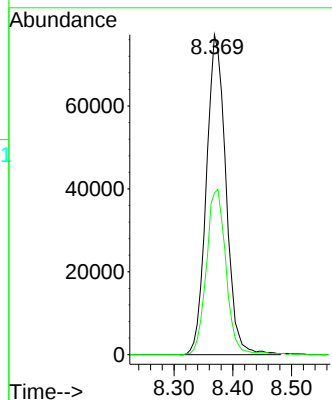
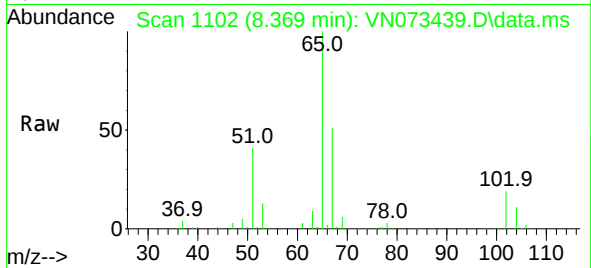




#33
1,2-Dichloroethane-d4
Concen: 47.845 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

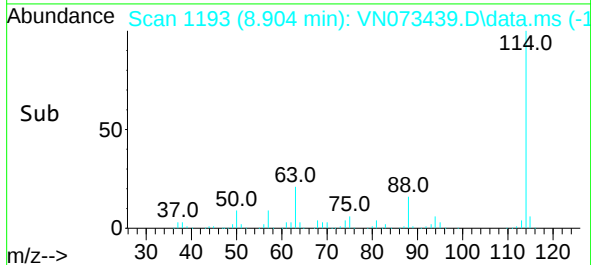
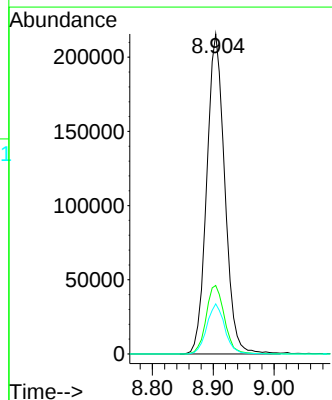
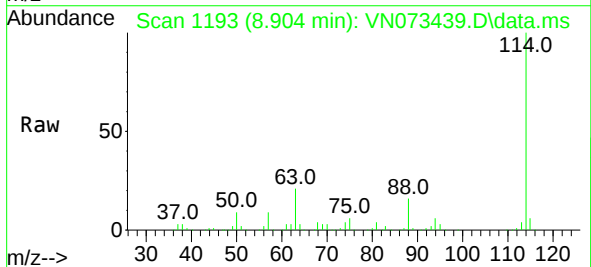
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-130-150-070722

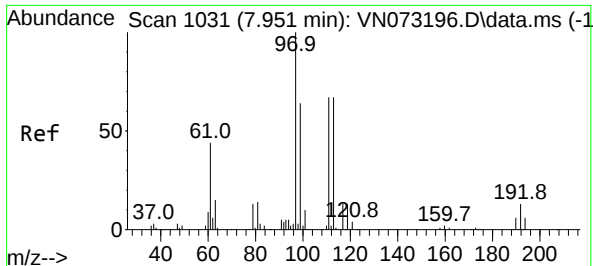
Tgt Ion: 65 Resp: 177961
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

Tgt Ion: 114 Resp: 442942
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.0
88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.344 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073439.D

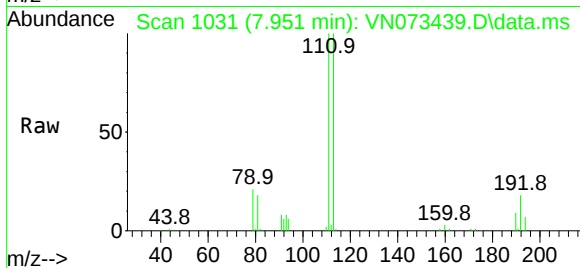
Acq: 12 Jul 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-03-130-150-070722



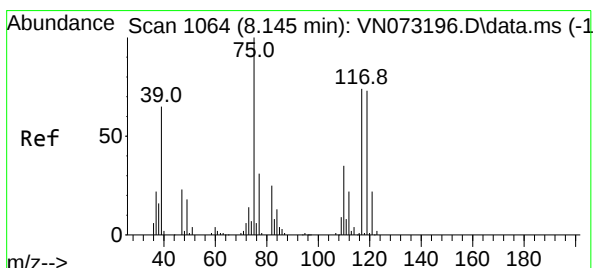
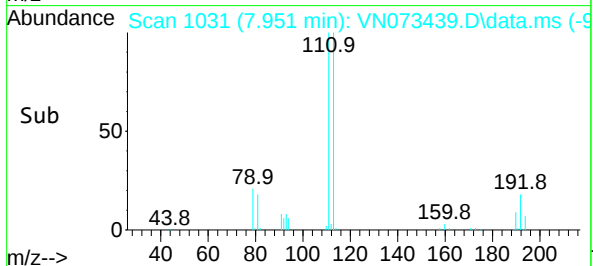
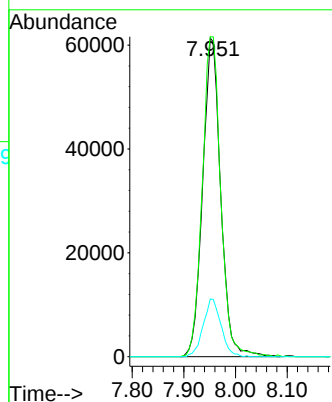
Tgt Ion:113 Resp: 148361

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 17.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.828 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.123 min

Lab File: VN073439.D

Acq: 12 Jul 2022 16:11

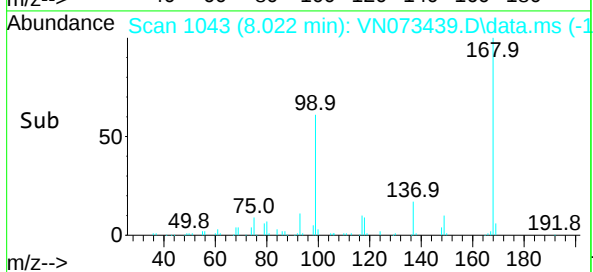
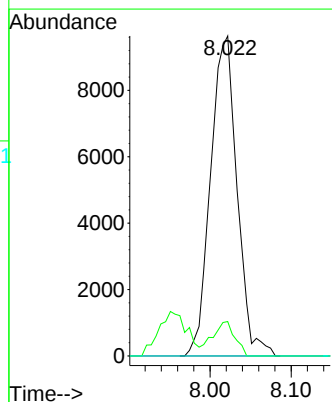
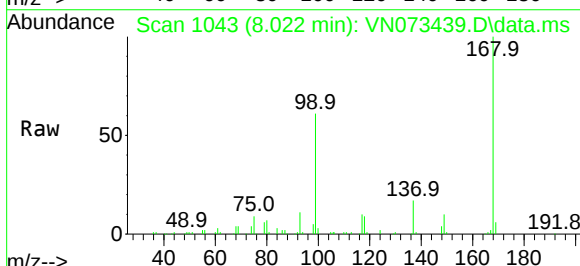
Tgt Ion: 75 Resp: 21892

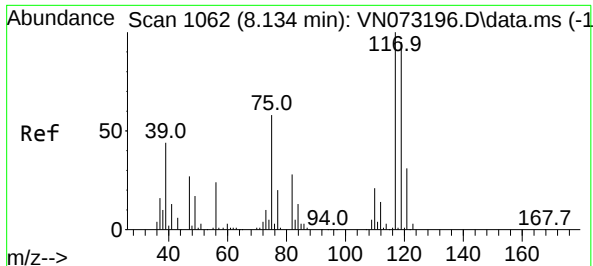
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

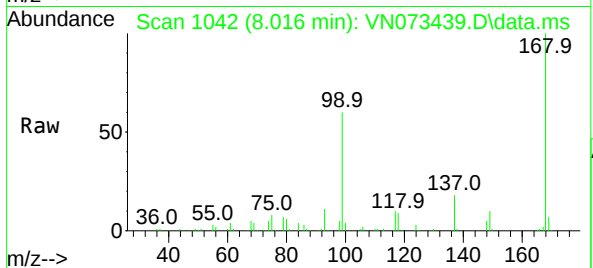
77 0.0 25.1 37.7#



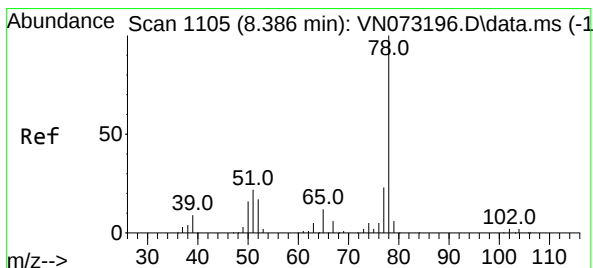
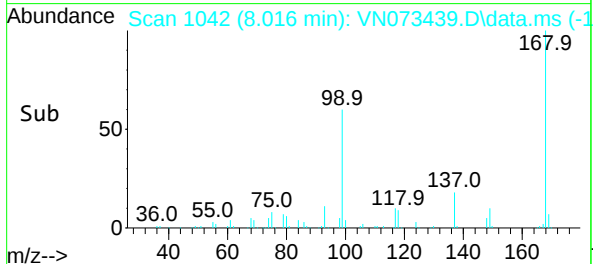
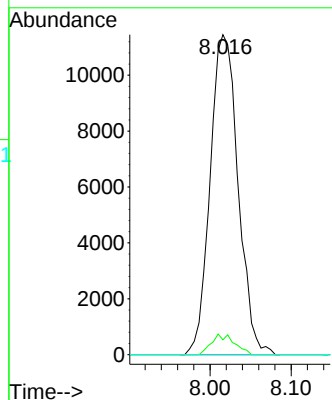


#38
Carbon Tetrachloride
Concen: 5.848 ug/l
RT: 8.016 min Scan# 1105
Delta R.T. -0.118 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-130-150-070722

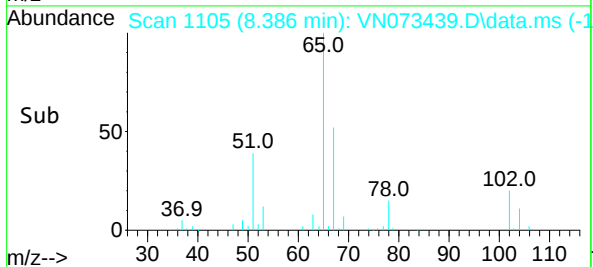
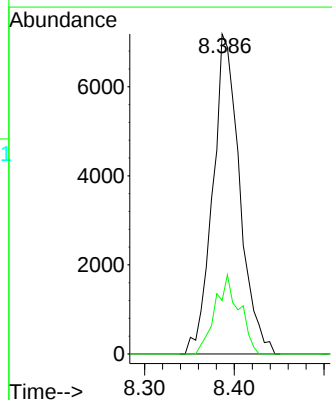
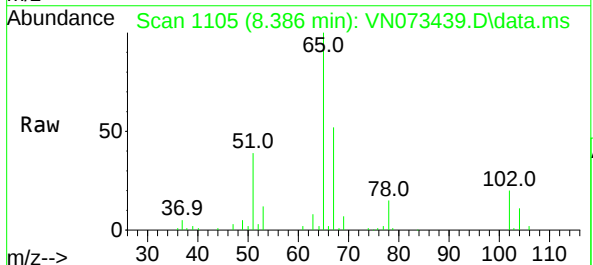


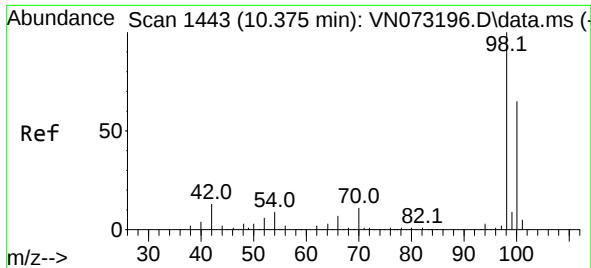
Tgt Ion:117 Resp: 27423
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 1.067 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

Tgt Ion: 78 Resp: 14936
Ion Ratio Lower Upper
78 100
77 16.7 19.4 29.0#

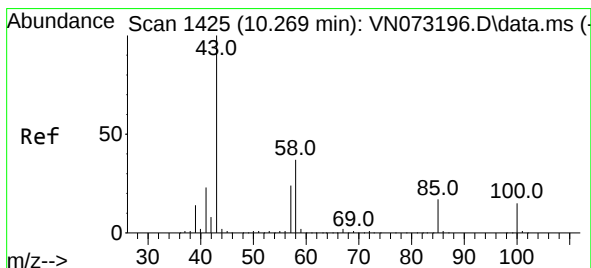
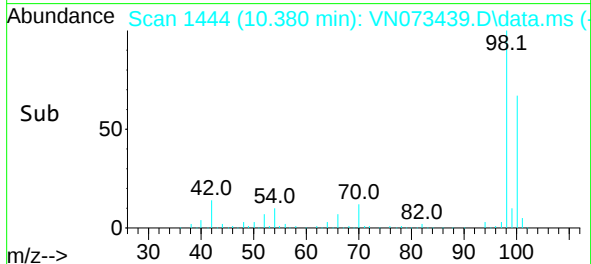
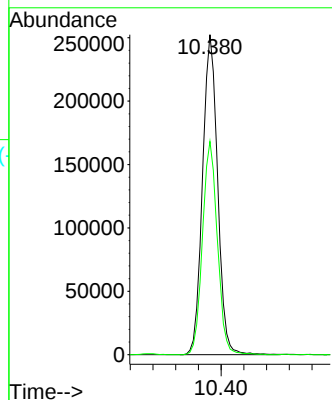
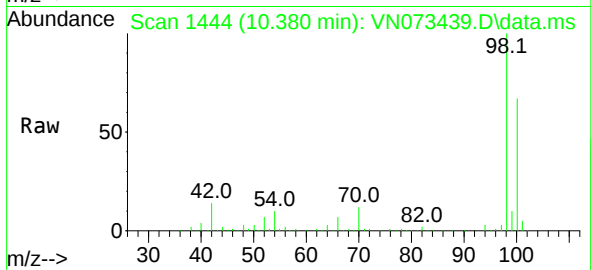




#50
Toluene-d8
Concen: 44.404 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

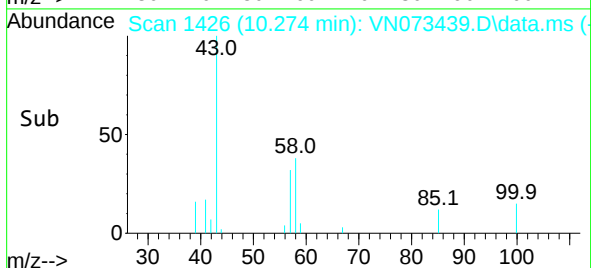
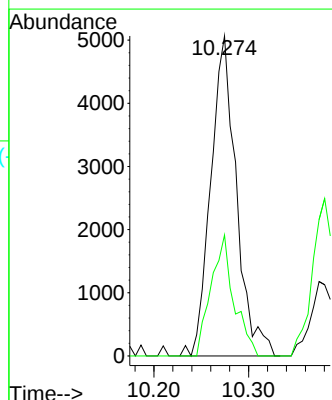
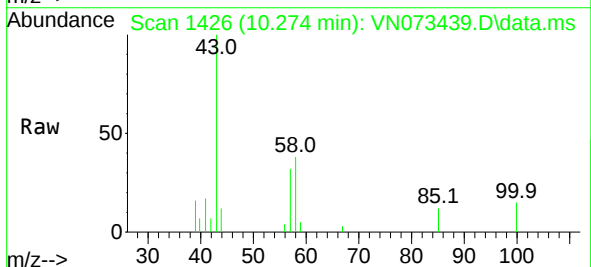
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-130-150-070722

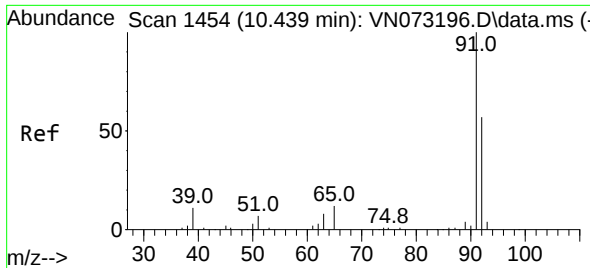
Tgt Ion: 98 Resp: 464763
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.526 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. 0.005 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

Tgt Ion: 43 Resp: 9528
Ion Ratio Lower Upper
43 100
58 33.8 34.1 51.1#

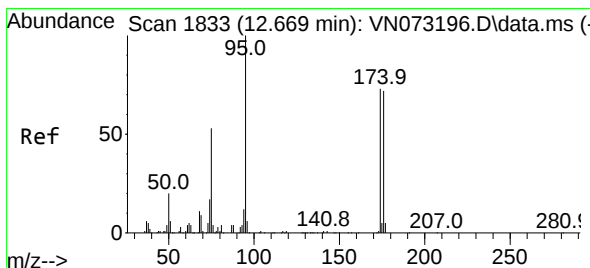
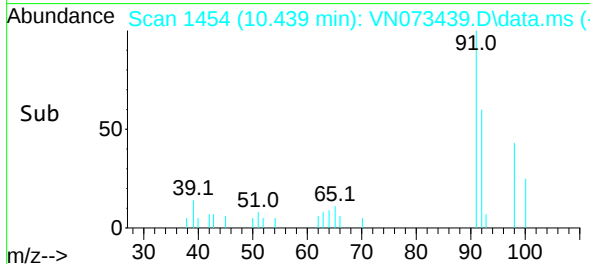
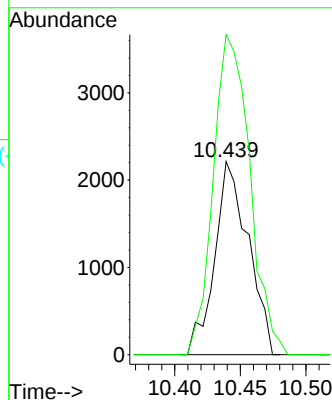
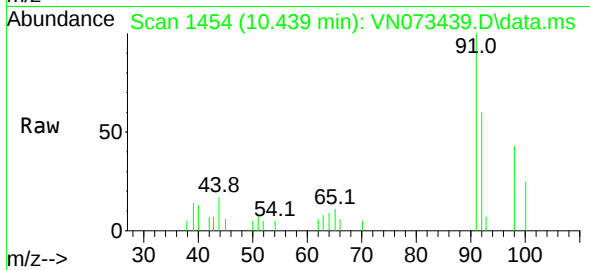




#52
Toluene
Concen: 0.456 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

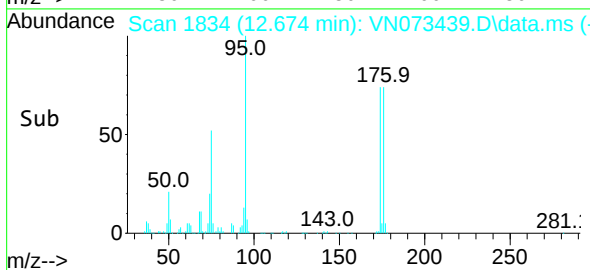
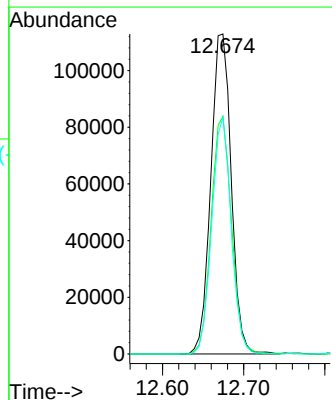
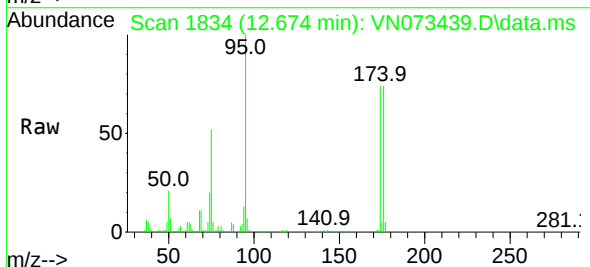
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-130-150-070722

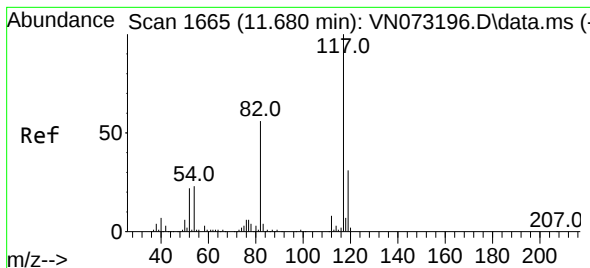
Tgt Ion: 92 Resp: 3940
Ion Ratio Lower Upper
92 100
91 180.6 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 49.002 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

Tgt Ion: 95 Resp: 197101
Ion Ratio Lower Upper
95 100
174 73.9 0.0 167.6
176 70.4 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073439.D

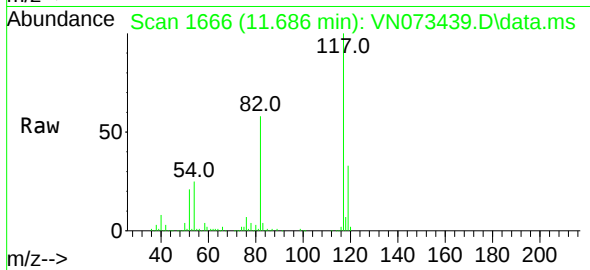
Acq: 12 Jul 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-03-130-150-070722



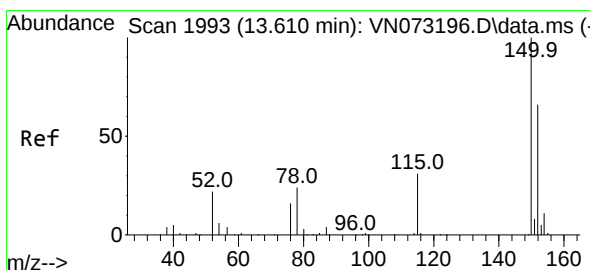
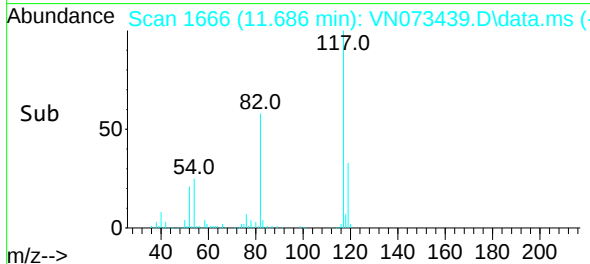
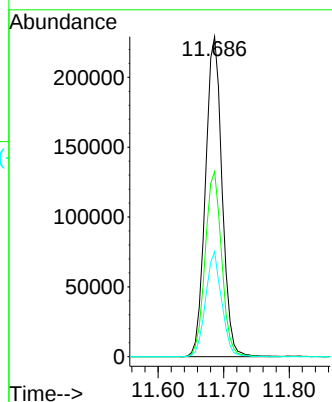
Tgt Ion:117 Resp: 403889

Ion Ratio Lower Upper

117 100

82 57.8 44.2 66.2

119 32.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. 0.005 min

Lab File: VN073439.D

Acq: 12 Jul 2022 16:11

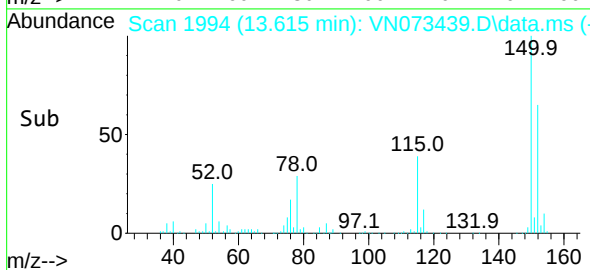
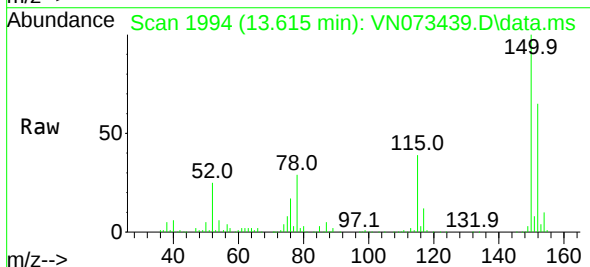
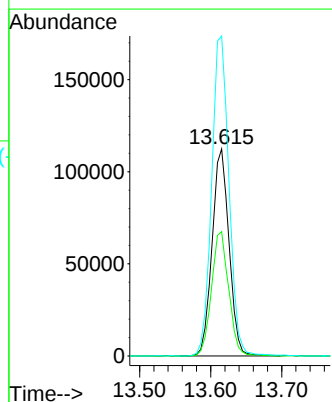
Tgt Ion:152 Resp: 186174

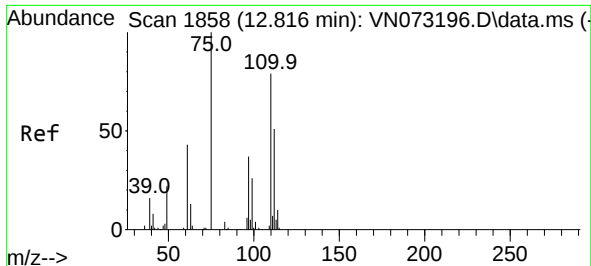
Ion Ratio Lower Upper

152 100

115 60.8 28.9 86.7

150 157.9 0.0 356.2

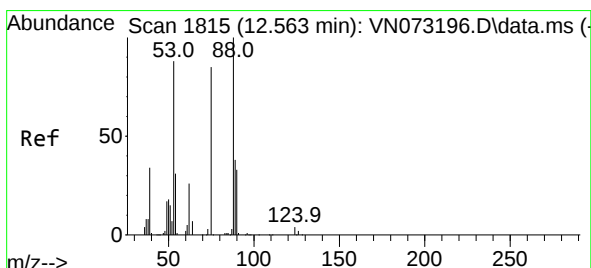
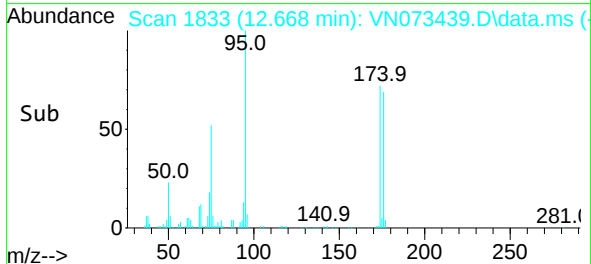
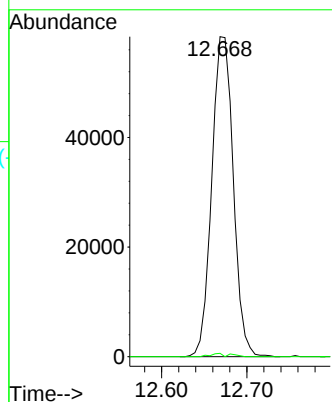
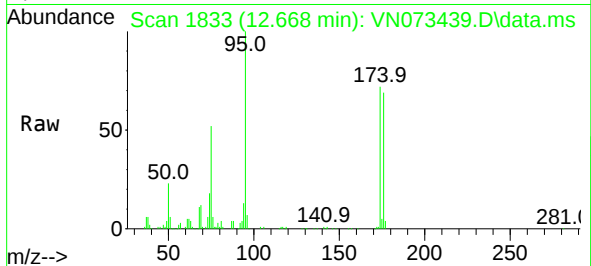




#76
1,2,3-Trichloropropane
Concen: 21.021 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

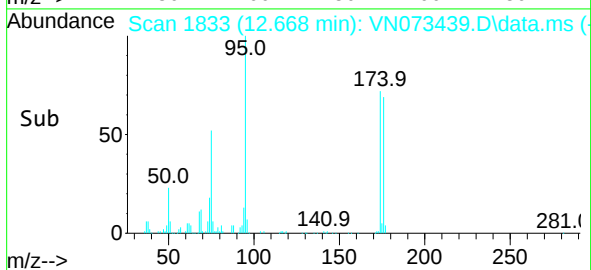
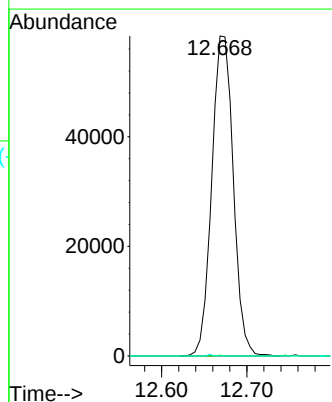
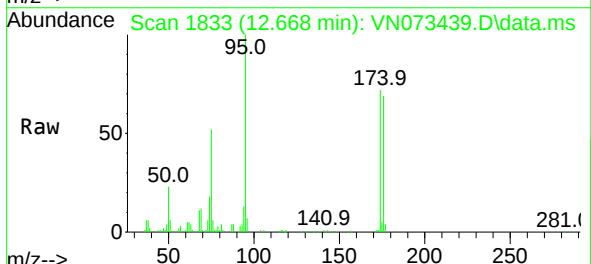
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-03-130-150-070722

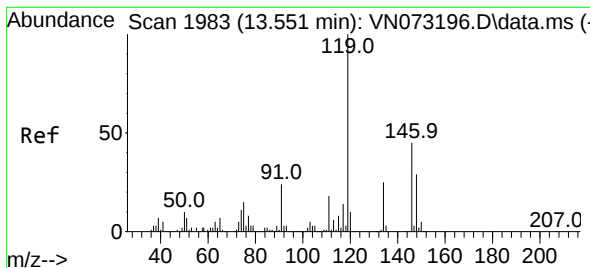
Tgt Ion: 75 Resp: 102332
Ion Ratio Lower Upper
75 100
77 0.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.649 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

Tgt Ion: 75 Resp: 102332
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#





#86

p-Isopropyltoluene

Concen: 0.230 ug/l

RT: 13.815 min Scan# 2028

Delta R.T. 0.264 min

Lab File: VN073439.D

Acq: 12 Jul 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-03-130-150-070722

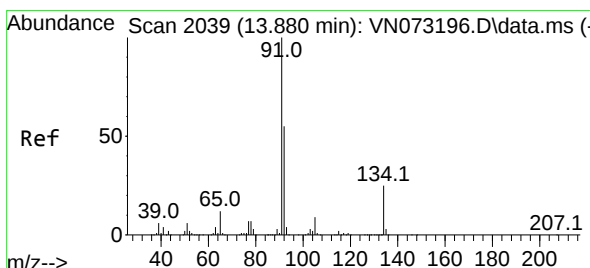
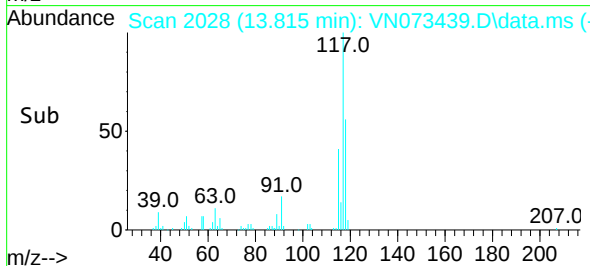
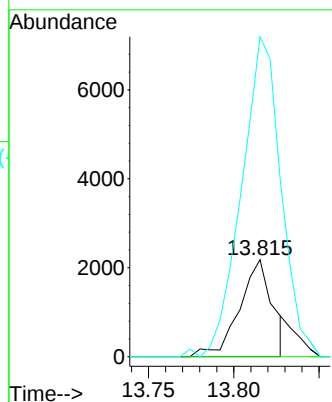
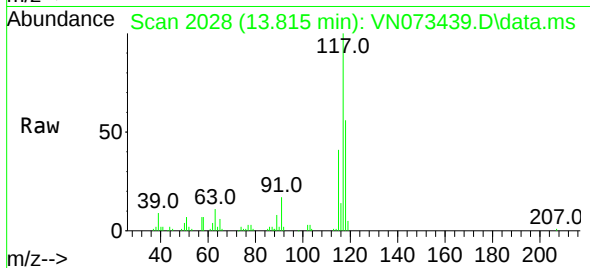
Tgt Ion:119 Resp: 2935

Ion Ratio Lower Upper

119 100

134 0.0 13.3 39.8#

91 359.9 11.3 33.9#



#89

n-Butylbenzene

Concen: 1.094 ug/l

RT: 13.815 min Scan# 2028

Delta R.T. -0.065 min

Lab File: VN073439.D

Acq: 12 Jul 2022 16:11

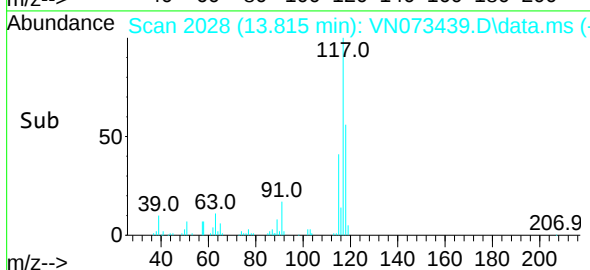
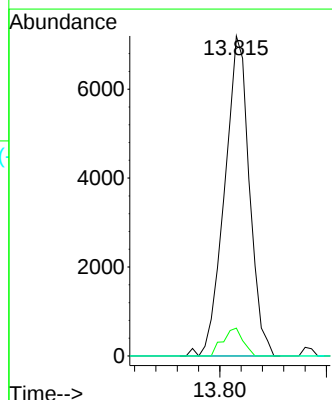
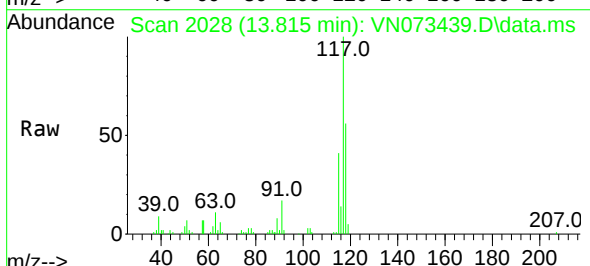
Tgt Ion: 91 Resp: 11617

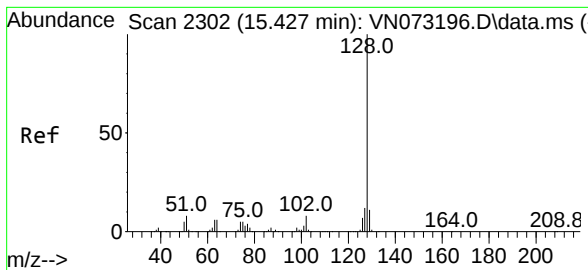
Ion Ratio Lower Upper

91 100

92 7.1 26.9 80.7#

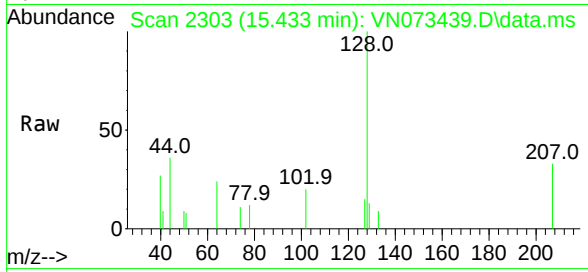
134 0.0 13.6 40.8#





#95
Naphthalene
Concen: 0.251 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073439.D
Acq: 12 Jul 2022 16:11

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-130-150-070722



Tgt Ion:128 Resp: 3604
Ion Ratio Lower Upper
128 100
127 14.1 10.3 15.5
129 6.4 8.6 13.0#

