

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071422\
 Data File : VN073463.D
 Acq On : 14 Jul 2022 16:14
 Operator : JC\MD
 Sample : N3715-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-03-280-300-071322

Quant Time: Jul 15 02:02:12 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)

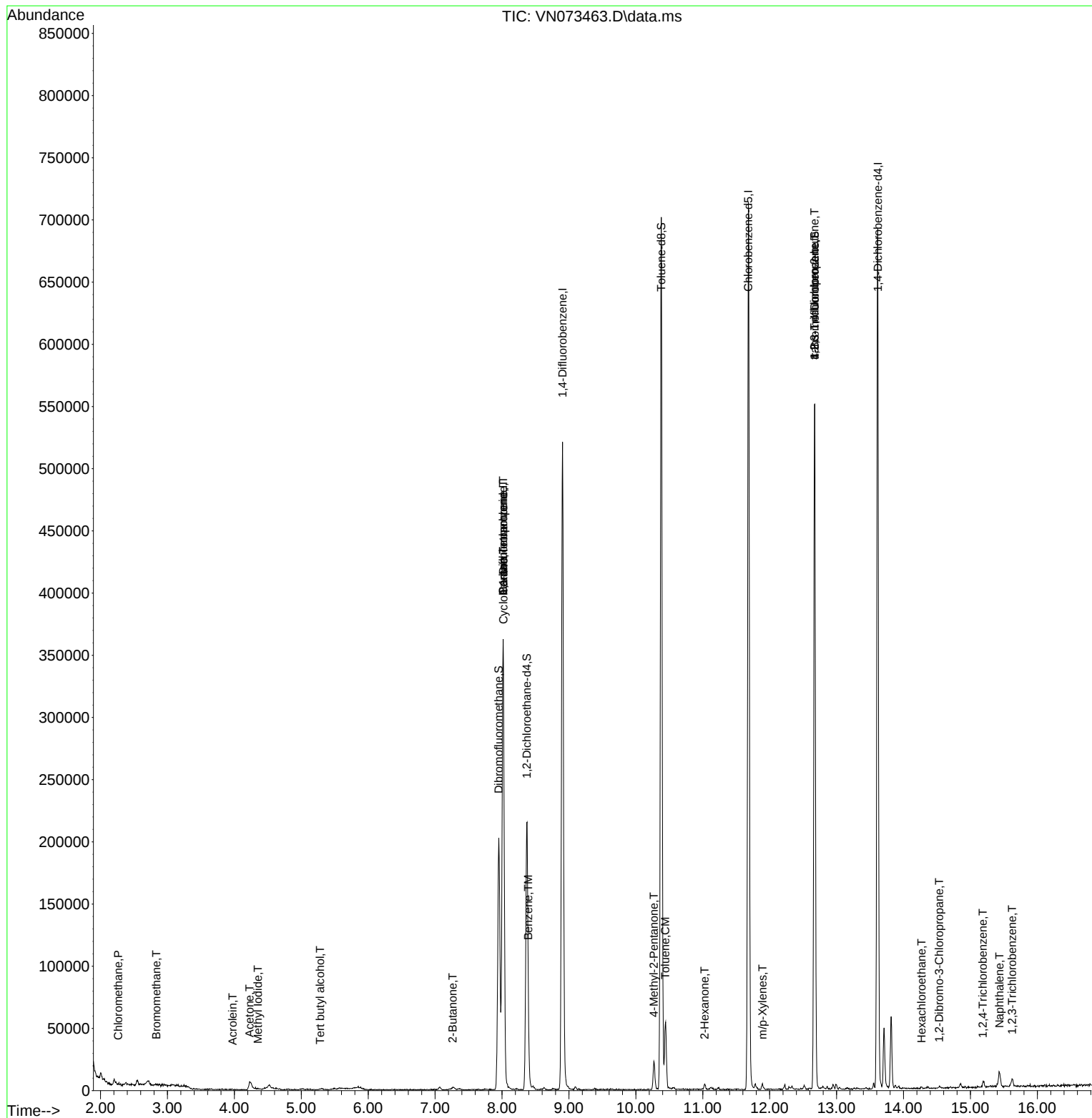
Internal Standards						
1) Pentafluorobenzene	8.016	168	266090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	456075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	406441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	185380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	177597	46.234	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.460%		
35) Dibromofluoromethane	7.951	113	146242	48.196	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.400%		
50) Toluene-d8	10.381	98	471552	43.756	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.520%		
62) 4-Bromofluorobenzene	12.674	95	196878	47.538	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.080%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	825	0.218	ug/l #	43
5) Bromomethane	2.834	94	670	0.442	ug/l #	70
10) Methyl Iodide	4.351	142	529	3.844	ug/l #	44
11) Tert butyl alcohol	5.281	59	645	0.693	ug/l #	72
13) Acrolein	3.975	56	131	0.223	ug/l #	16
16) Acetone	4.228	43	13141	6.095	ug/l #	79
25) 2-Butanone	7.263	43	3923	1.143	ug/l #	82
31) Cyclohexane	8.022	56	6819	1.084	ug/l #	41
36) 1,1-Dichloropropene	8.016	75	22311	4.779	ug/l #	50
38) Carbon Tetrachloride	8.016	117	27725	5.742	ug/l #	17
40) Benzene	8.392	78	13143	0.912	ug/l	94
51) 4-Methyl-2-Pentanone	10.269	43	17561	2.731	ug/l #	86
52) Toluene	10.439	92	21281	2.390	ug/l	94
59) 2-Hexanone	11.028	43	4067	0.830	ug/l	70
68) m/p-Xylenes	11.892	106	1445	0.229	ug/l	98
76) 1,2,3-Trichloropropane	12.669	75	104030	21.461	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	104030	58.857	ug/l #	10
90) Hexachloroethane	14.269	117	750	0.317	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.533	75	289	0.224	ug/l #	53
93) 1,2,4-Trichlorobenzene	15.186	180	1901	0.537	ug/l #	24
95) Naphthalene	15.433	128	12812	0.897	ug/l	98
96) 1,2,3-Trichlorobenzene	15.621	180	2897	0.793	ug/l	89

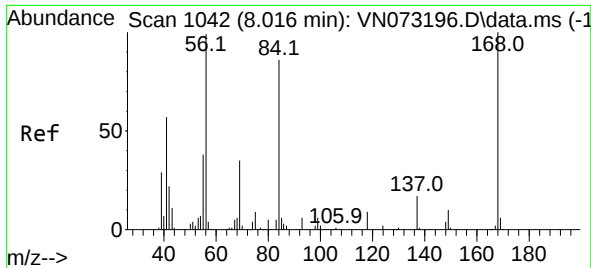
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

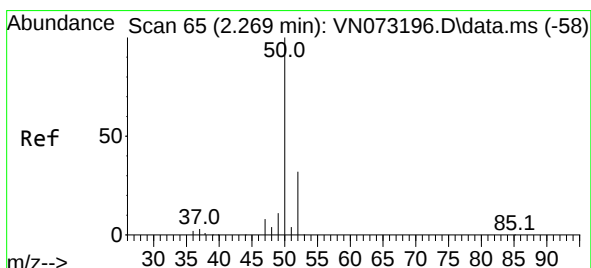
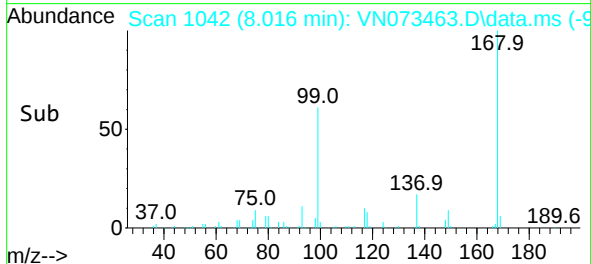
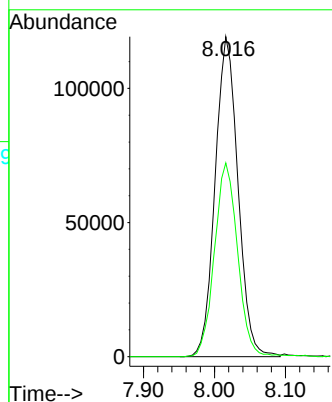
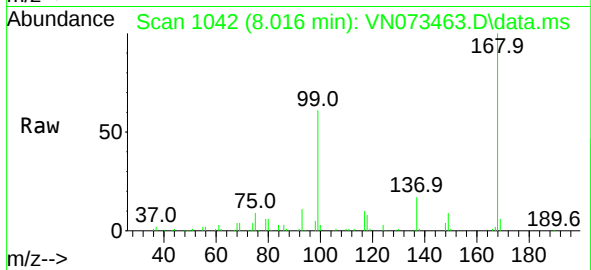




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

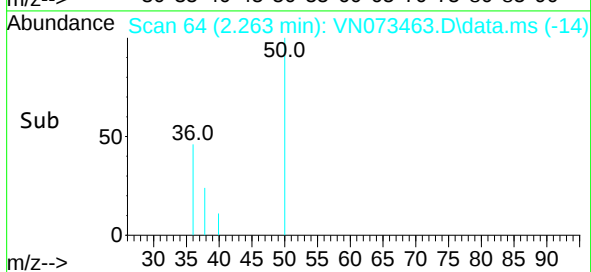
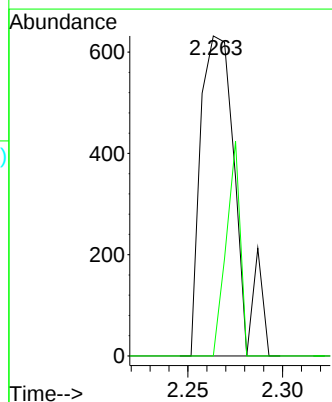
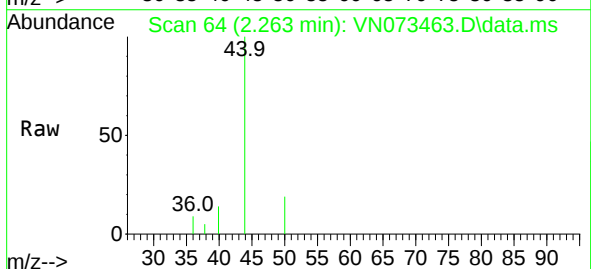
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-280-300-071322

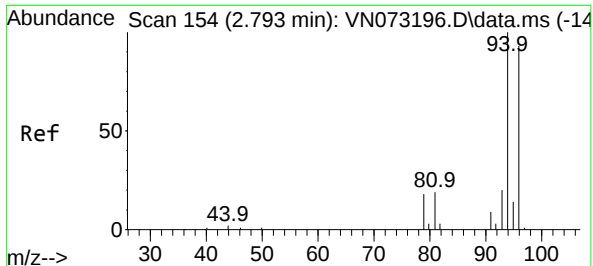
Tgt Ion:168 Resp: 266090
Ion Ratio Lower Upper
168 100
99 60.5 42.3 63.5



#3
Chloromethane
Concen: 0.218 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

Tgt Ion: 50 Resp: 825
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

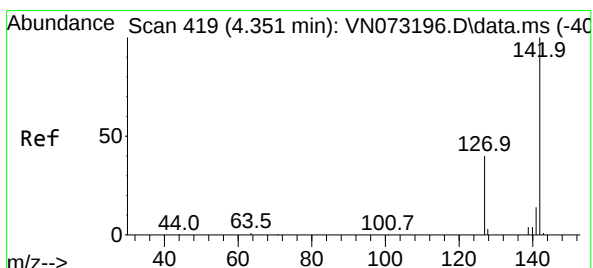
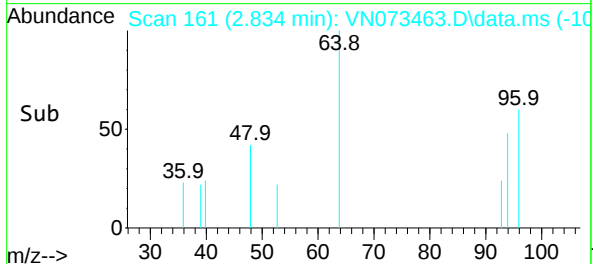
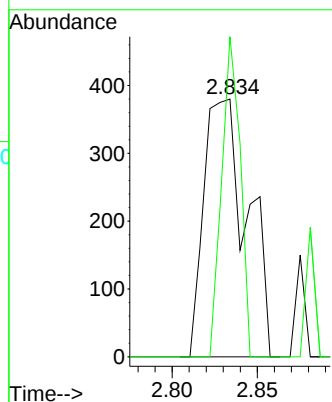
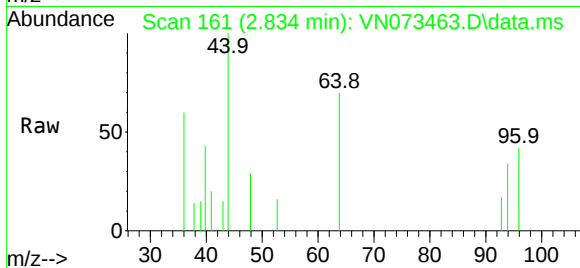




#5
Bromomethane
Concen: 0.442 ug/l
RT: 2.834 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

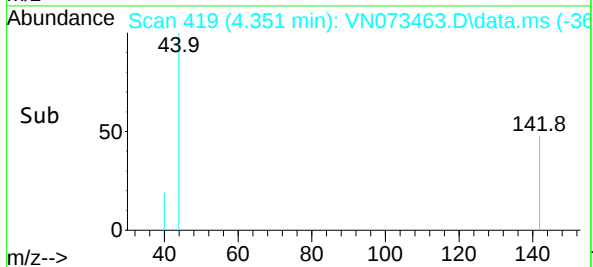
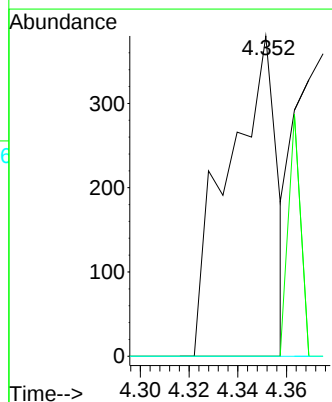
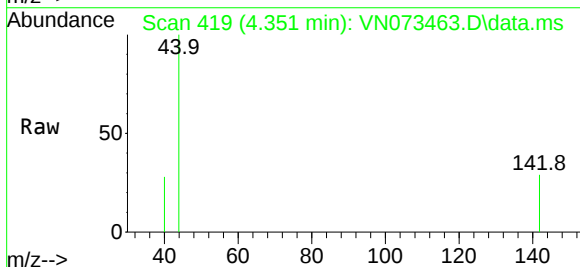
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-280-300-071322

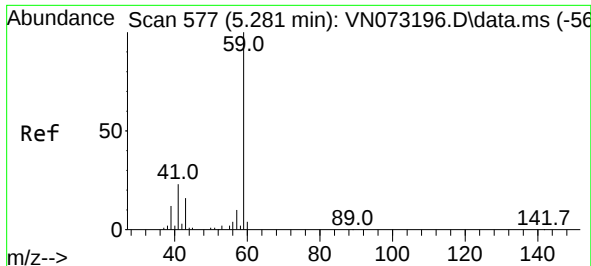
Tgt Ion: 94 Resp: 670
Ion Ratio Lower Upper
94 100
96 124.2 76.0 114.0#



#10
Methyl Iodide
Concen: 3.844 ug/l
RT: 4.351 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

Tgt Ion: 142 Resp: 529
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#

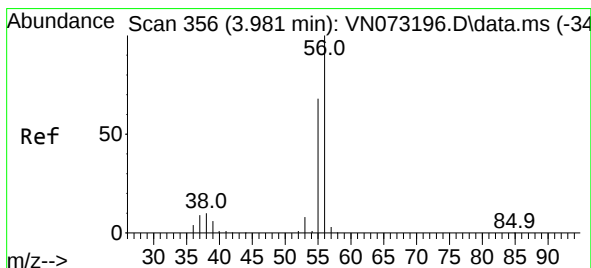
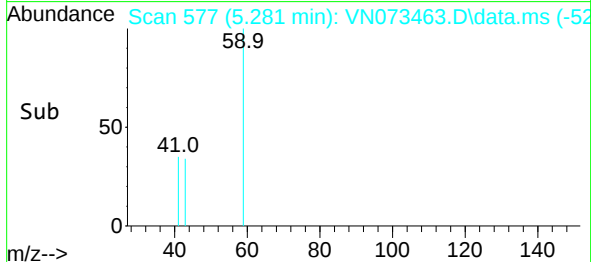
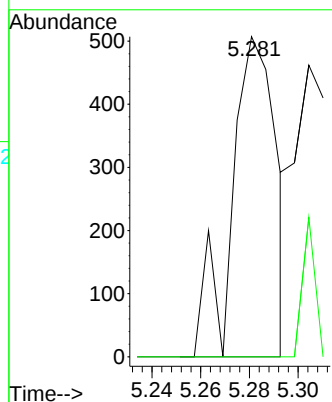
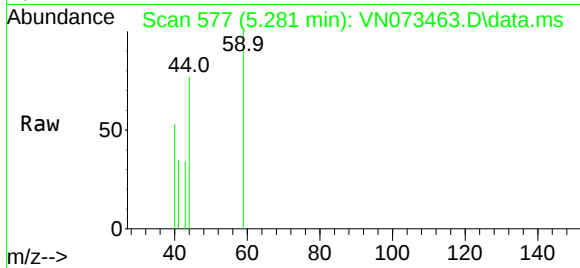




#11
Tert butyl alcohol
Concen: 0.693 ug/l
RT: 5.281 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

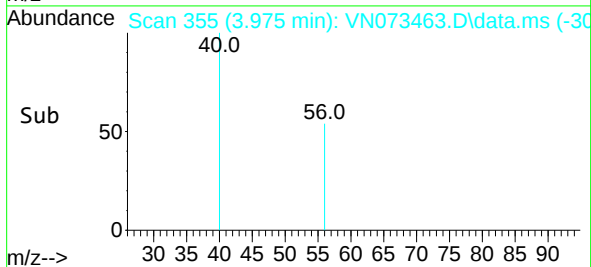
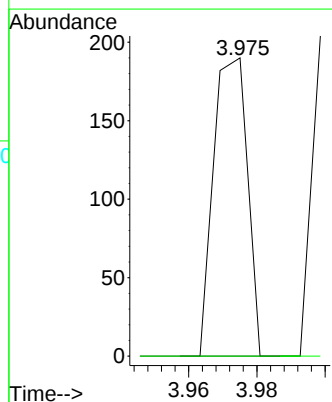
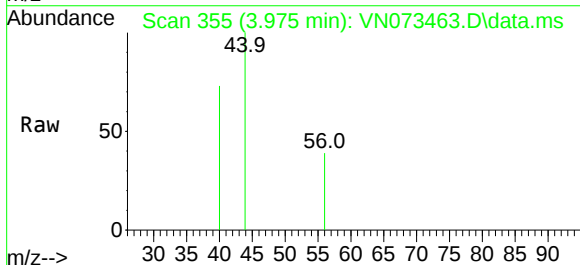
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-280-300-071322

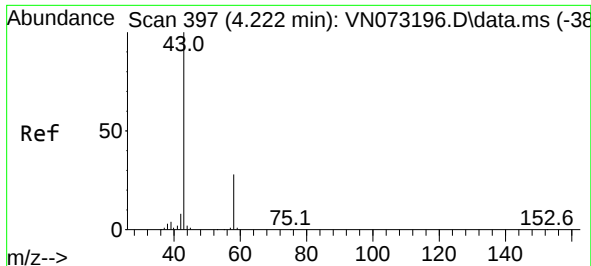
Tgt Ion: 59 Resp: 645
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.223 ug/l
RT: 3.975 min Scan# 355
Delta R.T. -0.006 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

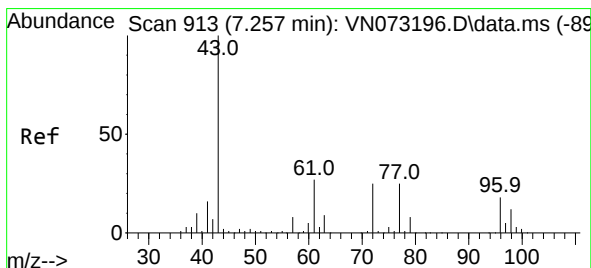
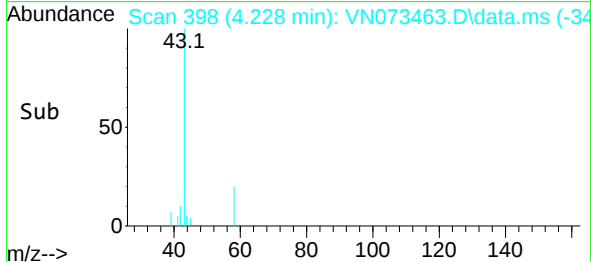
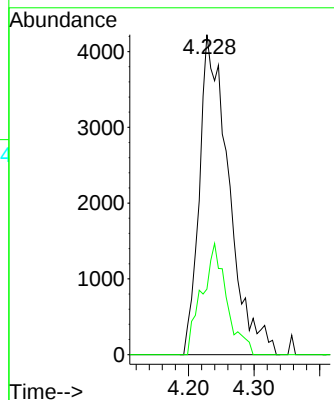
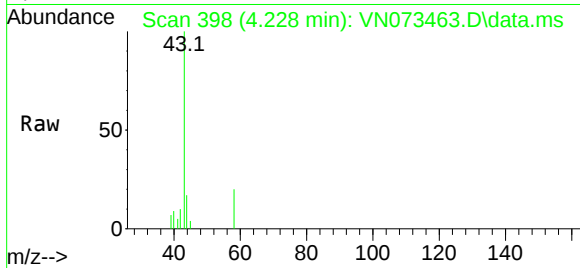




#16
Acetone
Concen: 6.095 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

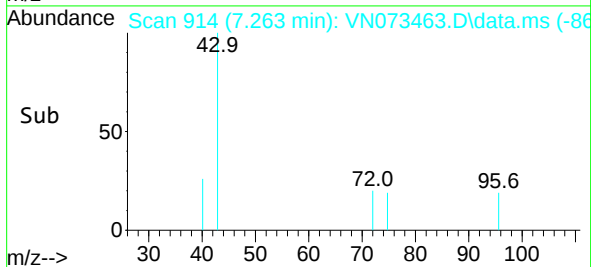
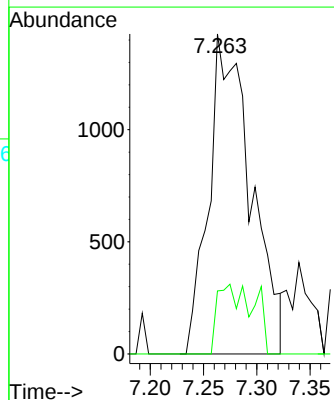
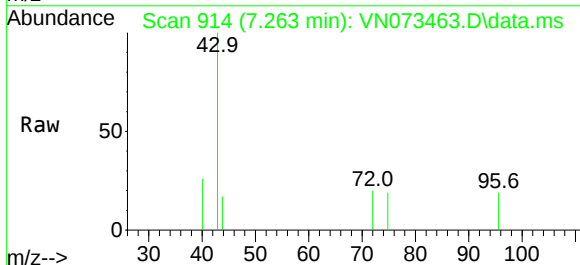
Instrument :
MSVOA_N
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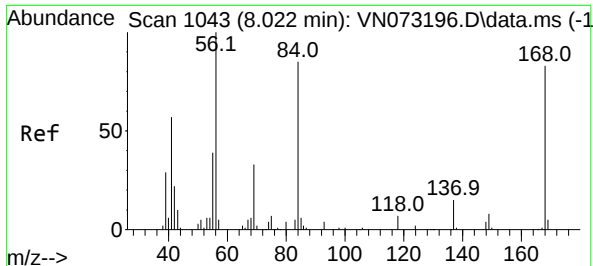
Tgt Ion: 43 Resp: 13141
Ion Ratio Lower Upper
43 100
58 20.5 26.0 39.0#



#25
2-Butanone
Concen: 1.143 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

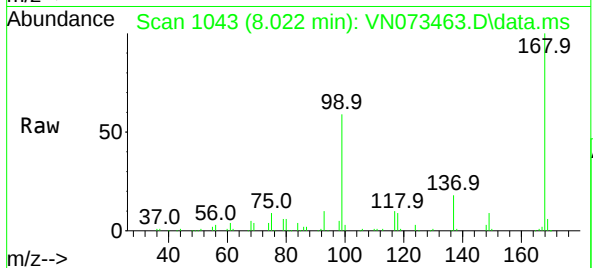
Tgt Ion: 43 Resp: 3923
Ion Ratio Lower Upper
43 100
72 19.7 23.7 35.5#



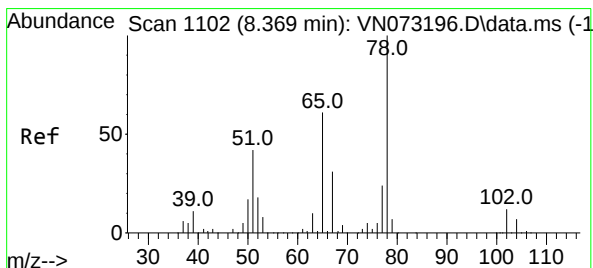
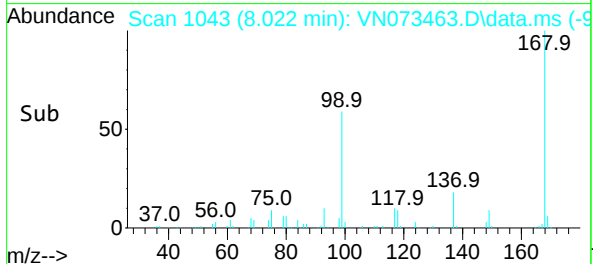
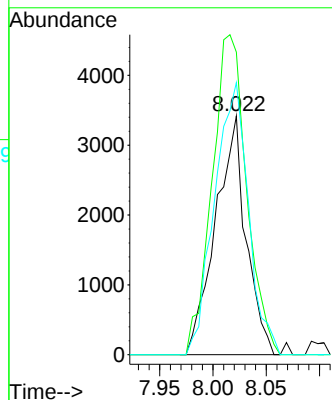


#31
Cyclohexane
Concen: 1.084 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-280-300-071322

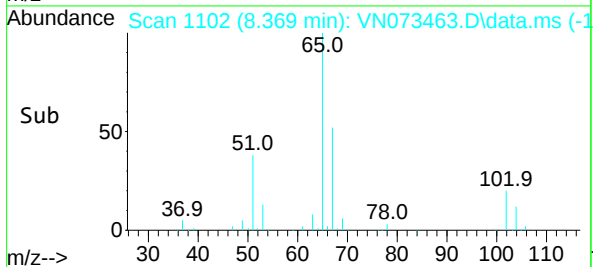
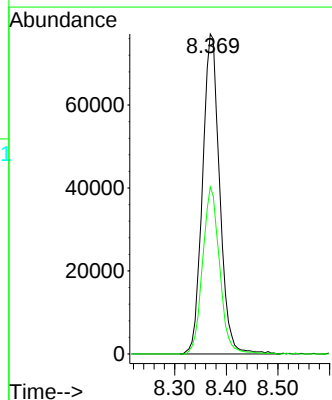
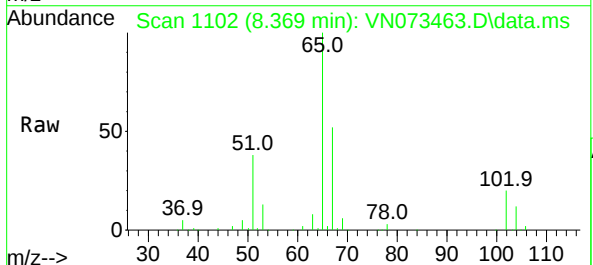


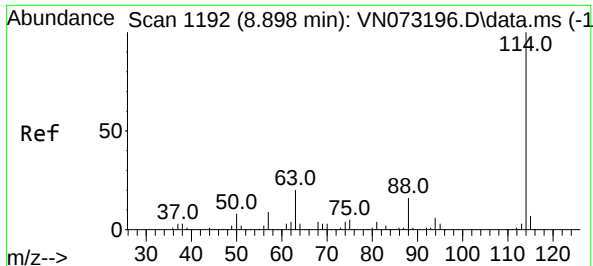
Tgt Ion: 56 Resp: 6819
Ion Ratio Lower Upper
56 100
69 126.8 27.8 41.8#
84 118.9 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.234 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

Tgt Ion: 65 Resp: 177597
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073463.D

Acq: 14 Jul 2022 16:14

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-03-280-300-071322

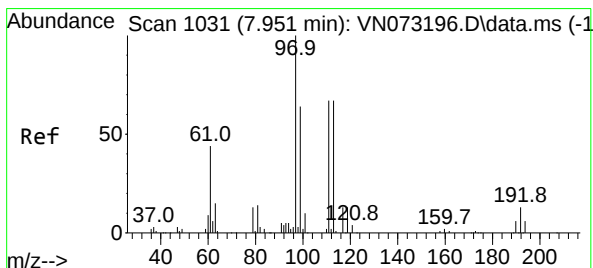
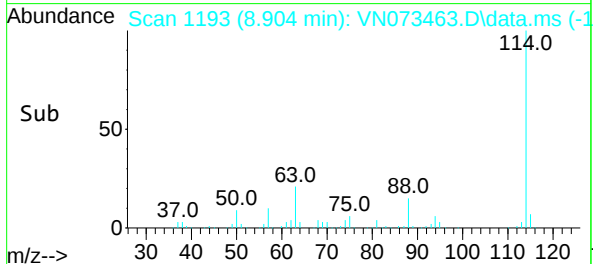
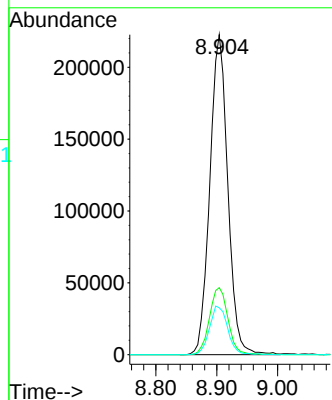
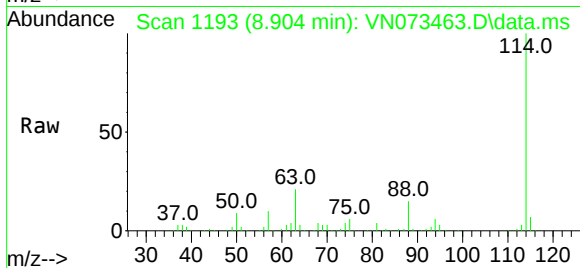
Tgt Ion:114 Resp: 456075

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

88 14.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.196 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073463.D

Acq: 14 Jul 2022 16:14

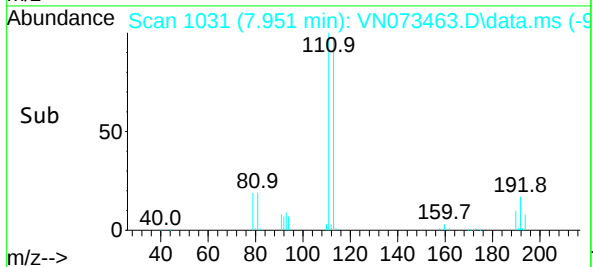
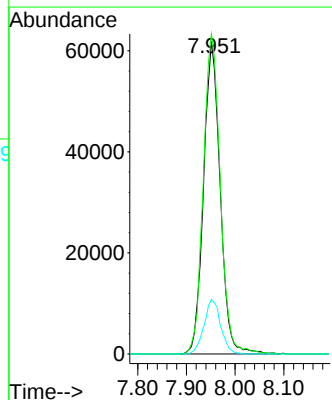
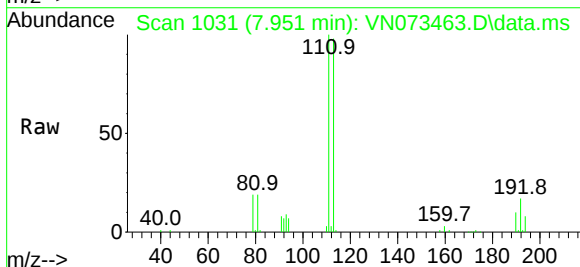
Tgt Ion:113 Resp: 146242

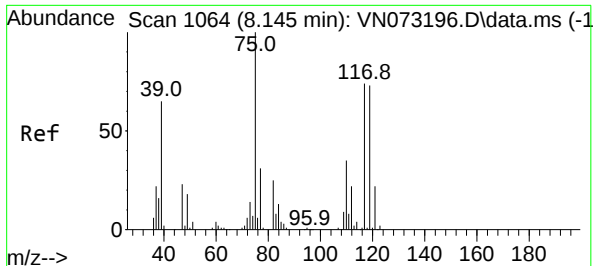
Ion Ratio Lower Upper

113 100

111 104.6 81.4 122.0

192 17.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.779 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073463.D

Acq: 14 Jul 2022 16:14

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-03-280-300-071322

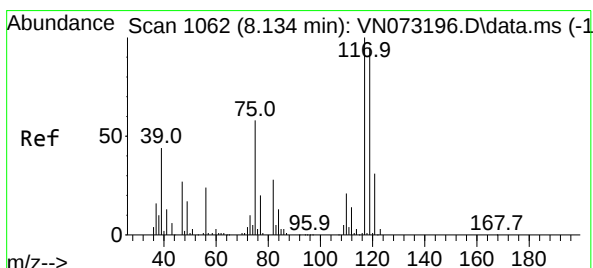
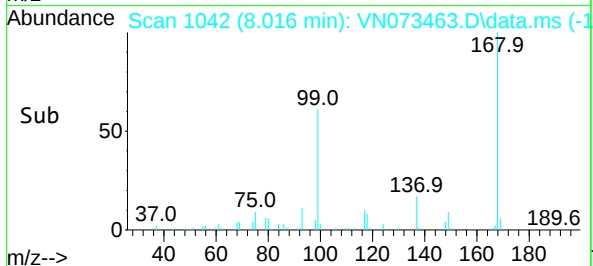
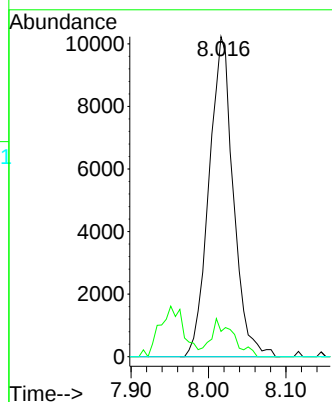
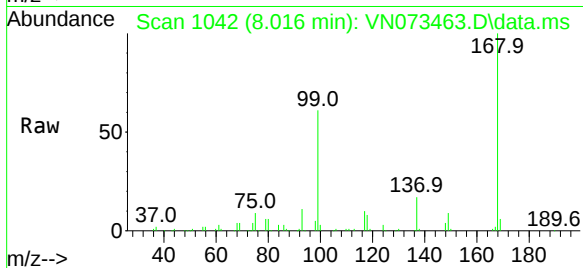
Tgt Ion: 75 Resp: 22311

Ion Ratio Lower Upper

75 100

110 10.8 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.742 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073463.D

Acq: 14 Jul 2022 16:14

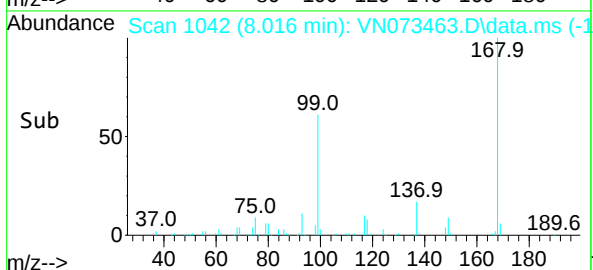
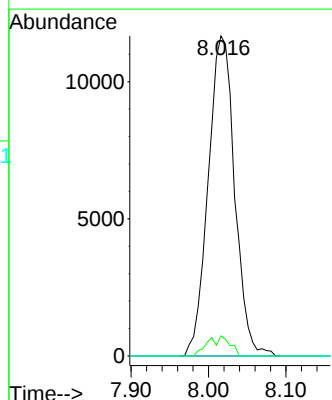
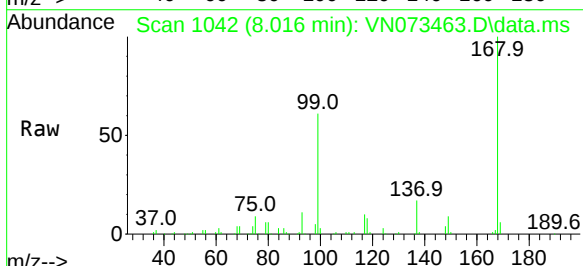
Tgt Ion: 117 Resp: 27725

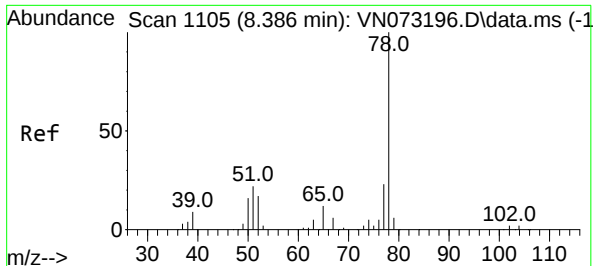
Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.8#

121 0.0 24.6 37.0#

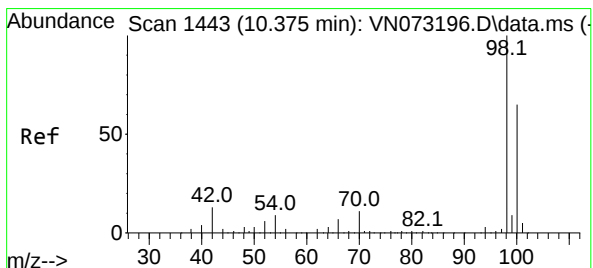
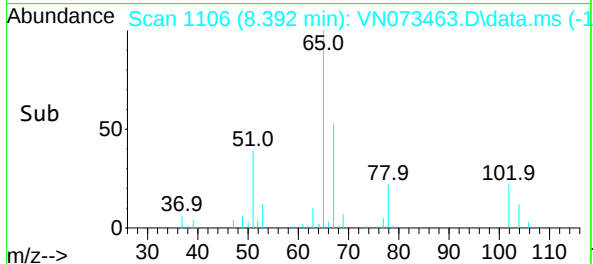
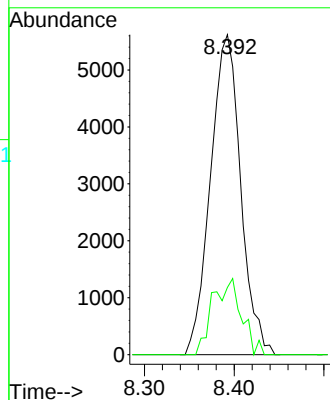
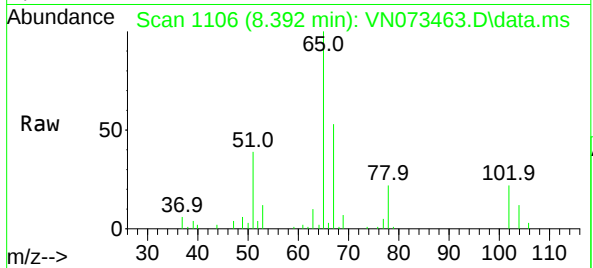




#40
Benzene
Concen: 0.912 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

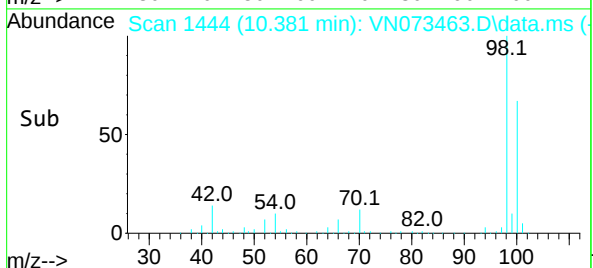
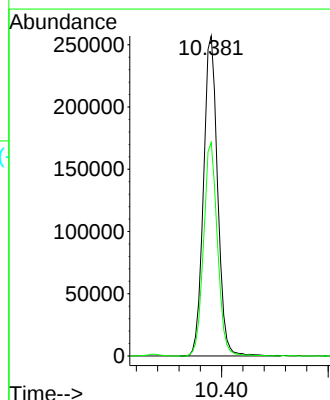
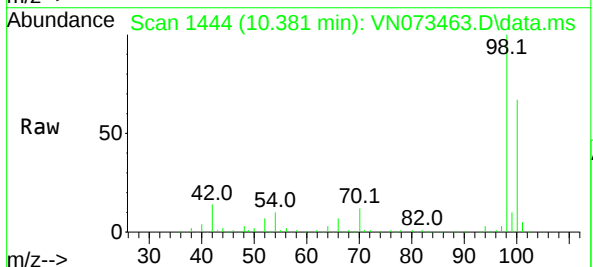
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-280-300-071322

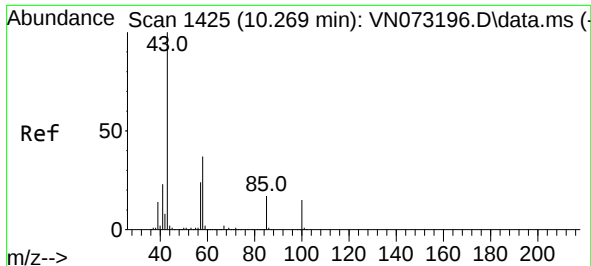
Tgt Ion: 78 Resp: 13143
Ion Ratio Lower Upper
78 100
77 21.0 19.4 29.0



#50
Toluene-d8
Concen: 43.756 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

Tgt Ion: 98 Resp: 471552
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

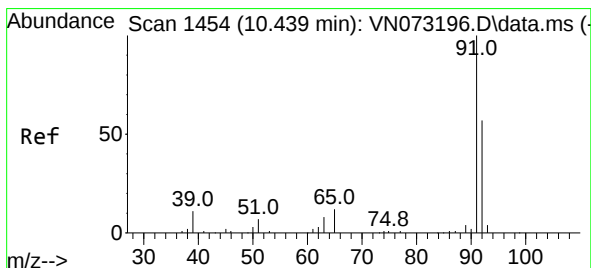
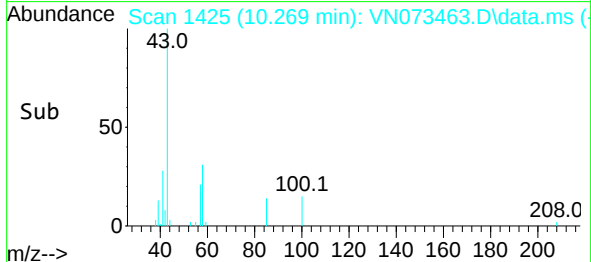
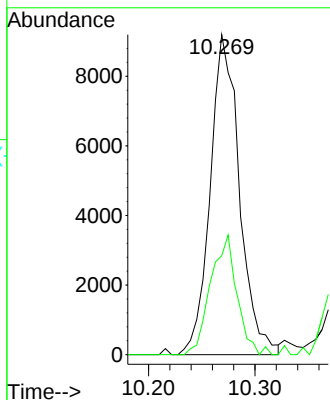
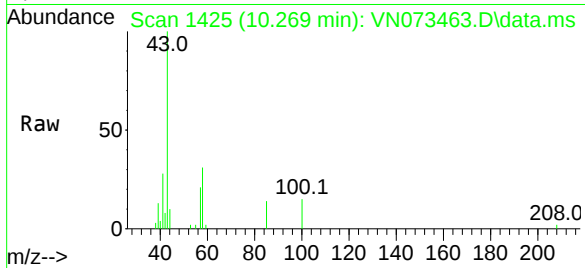




#51
4-Methyl-2-Pentanone
Concen: 2.731 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

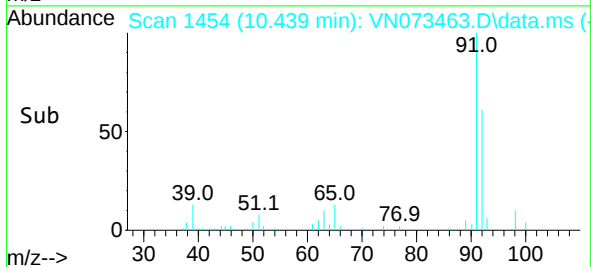
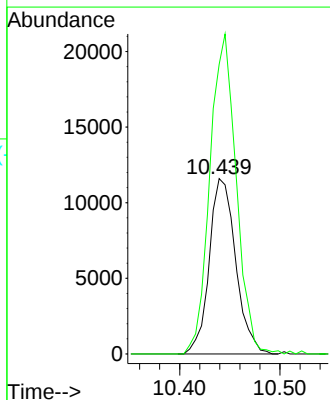
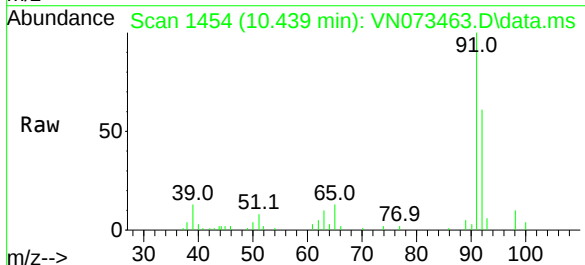
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-03-280-300-071322

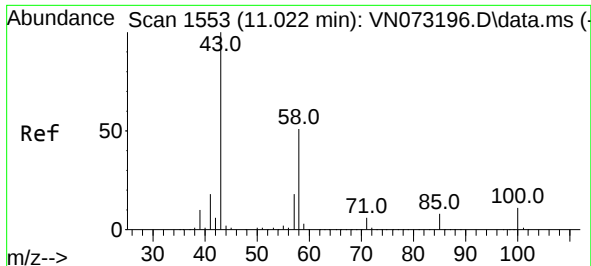
Tgt Ion: 43 Resp: 17561
Ion Ratio Lower Upper
43 100
58 33.6 34.1 51.1#



#52
Toluene
Concen: 2.390 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

Tgt Ion: 92 Resp: 21281
Ion Ratio Lower Upper
92 100
91 181.5 138.6 207.8

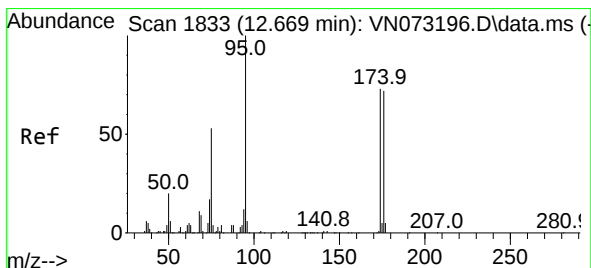
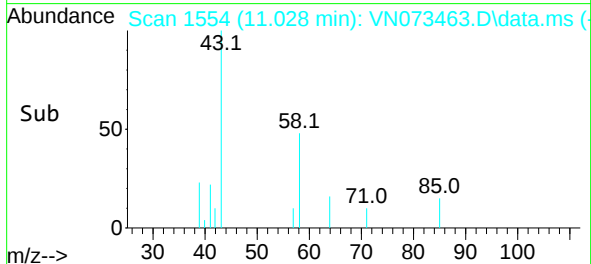
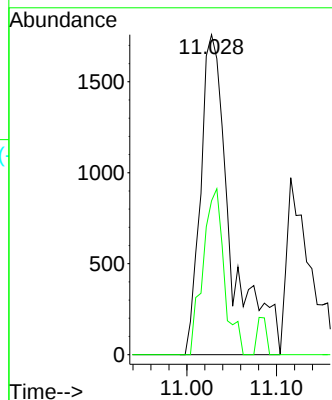
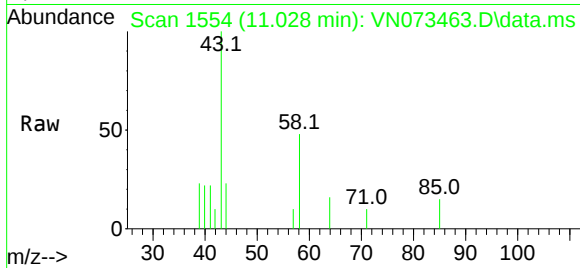




#59
2-Hexanone
Concen: 0.830 ug/l
RT: 11.028 min Scan# 11553
Delta R.T. 0.006 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

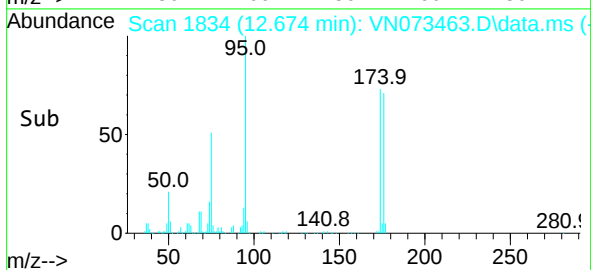
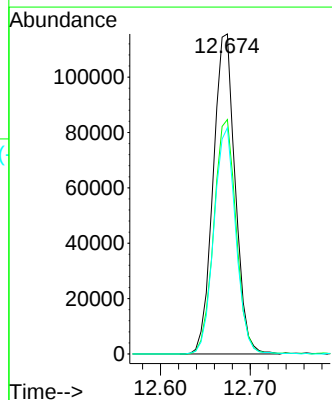
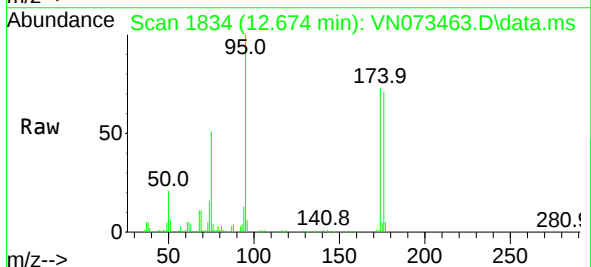
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-280-300-071322

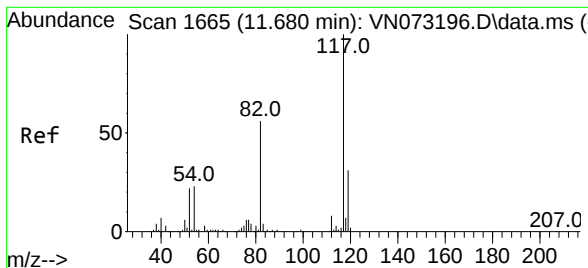
Tgt Ion: 43 Resp: 4067
Ion Ratio Lower Upper
43 100
58 36.9 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 47.538 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

Tgt Ion: 95 Resp: 196878
Ion Ratio Lower Upper
95 100
174 74.3 0.0 167.6
176 70.4 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073463.D

Acq: 14 Jul 2022 16:14

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-03-280-300-071322

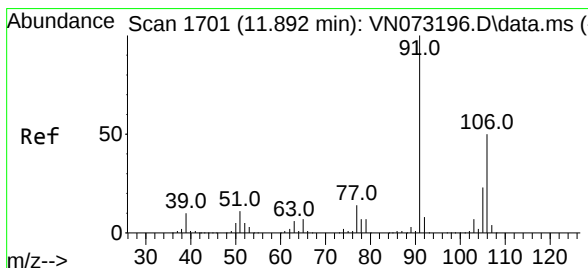
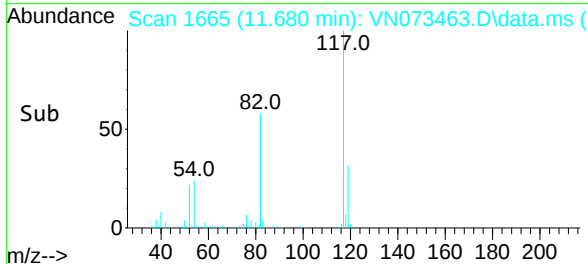
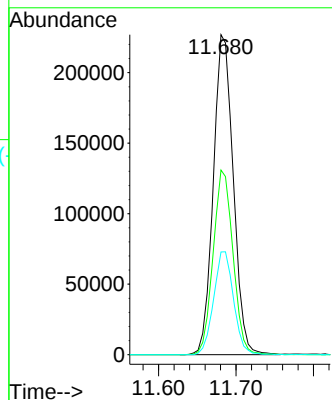
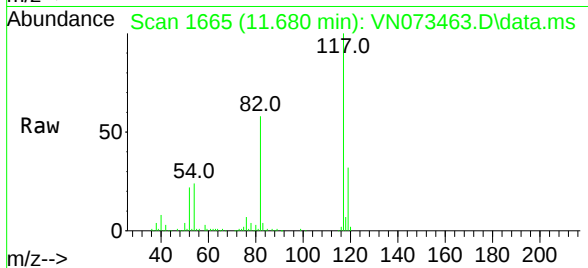
Tgt Ion:117 Resp: 406441

Ion Ratio Lower Upper

117 100

82 57.7 44.2 66.2

119 32.1 25.4 38.0



#68

m/p-Xylenes

Concen: 0.229 ug/l

RT: 11.892 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN073463.D

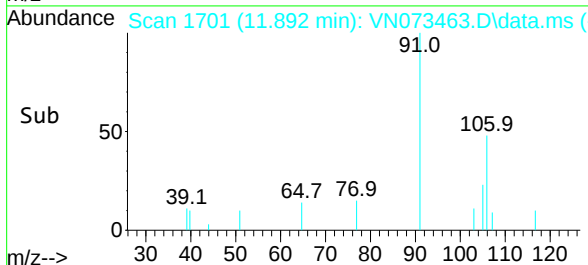
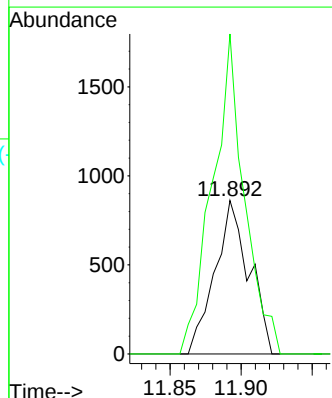
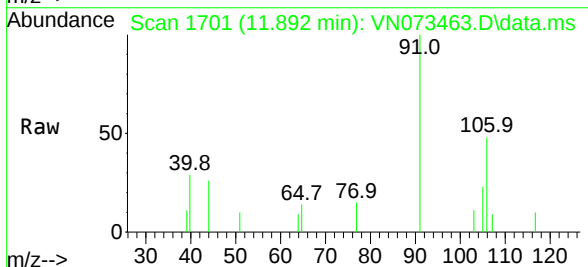
Acq: 14 Jul 2022 16:14

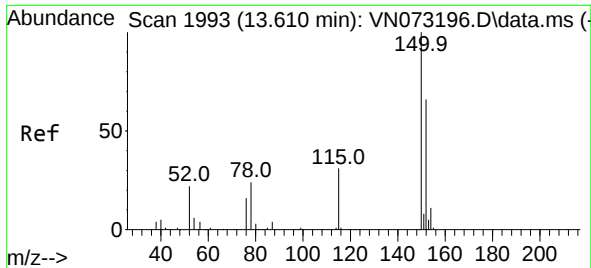
Tgt Ion:106 Resp: 1445

Ion Ratio Lower Upper

106 100

91 195.3 158.9 238.3

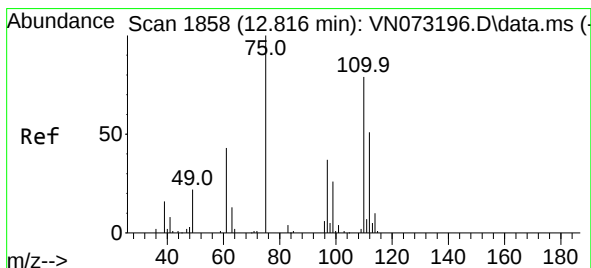
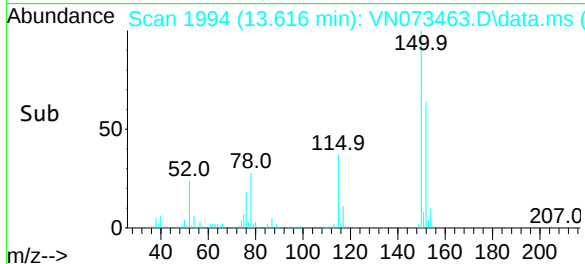
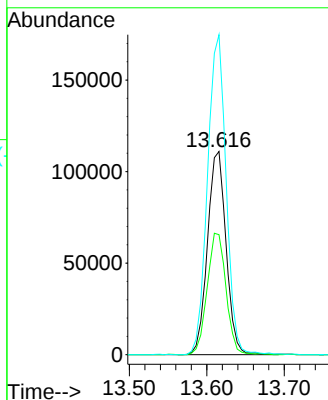
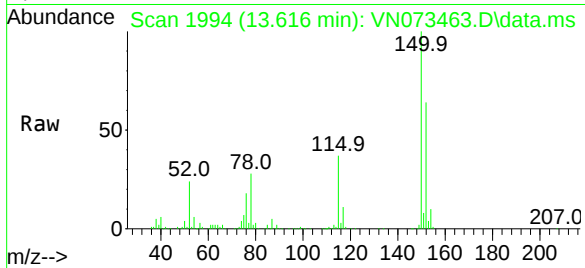




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.006 min
 Lab File: VN073463.D
 Acq: 14 Jul 2022 16:14

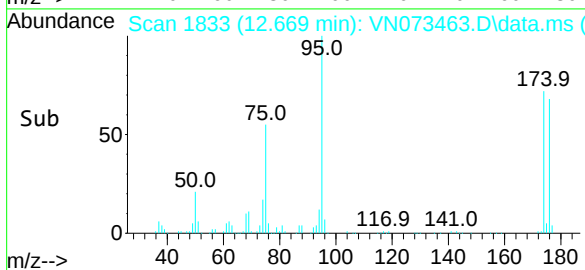
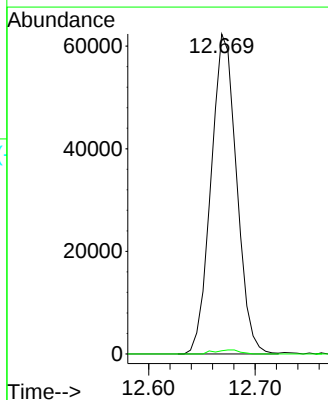
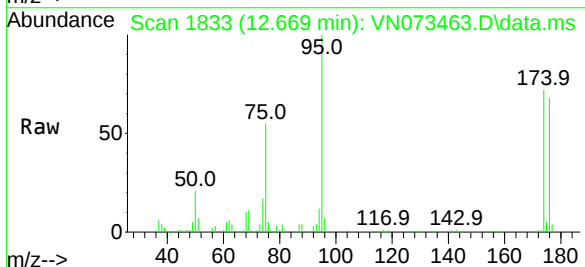
Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-03-280-300-071322

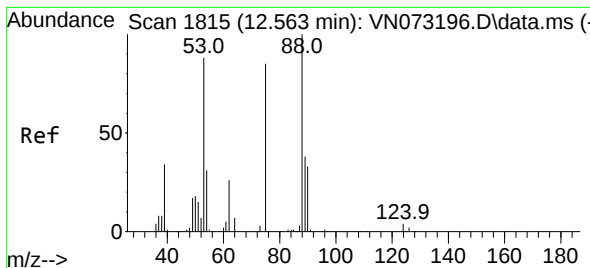
Tgt Ion:152 Resp: 185380
 Ion Ratio Lower Upper
 152 100
 115 60.5 28.9 86.7
 150 157.5 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.461 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073463.D
 Acq: 14 Jul 2022 16:14

Tgt Ion: 75 Resp: 104030
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

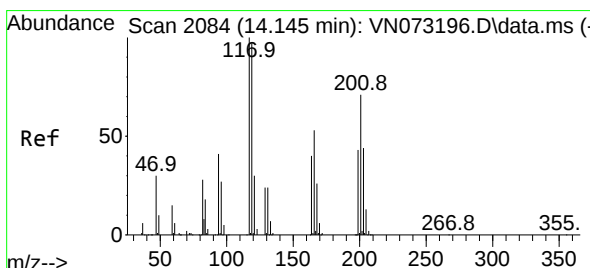
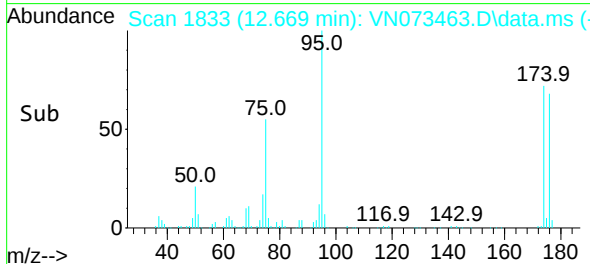
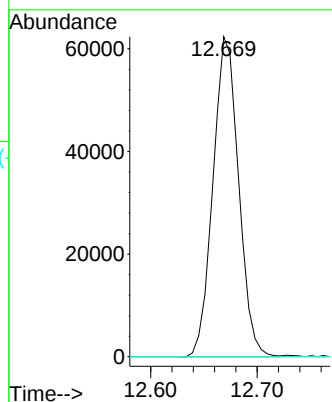
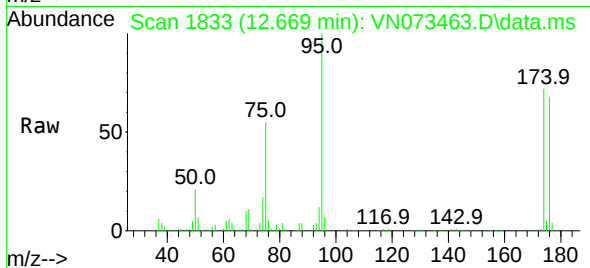




#81
trans-1,4-Dichloro-2-butene
Concen: 58.857 ug/l
RT: 12.669 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

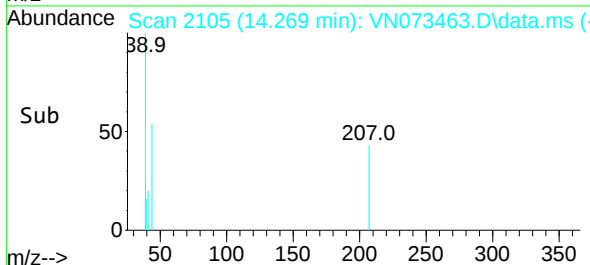
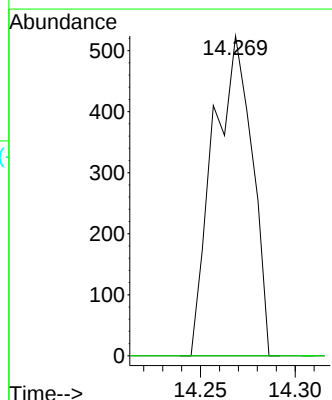
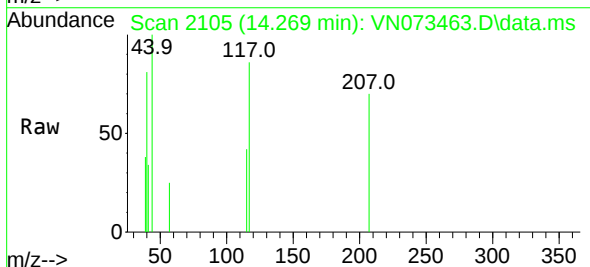
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-280-300-071322

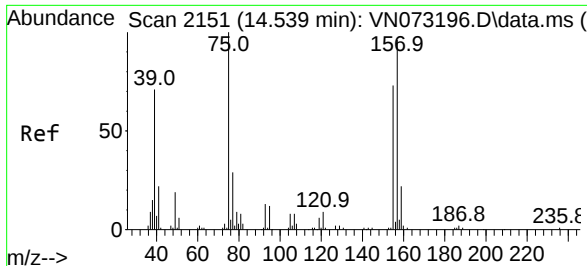
Tgt Ion: 75 Resp: 104030
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#90
Hexachloroethane
Concen: 0.317 ug/l
RT: 14.269 min Scan# 2105
Delta R.T. 0.123 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

Tgt Ion: 117 Resp: 750
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#

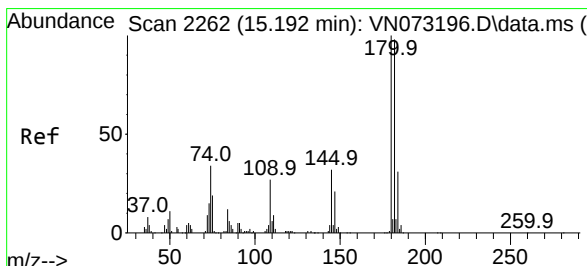
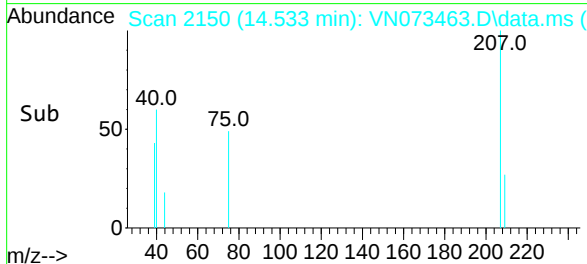
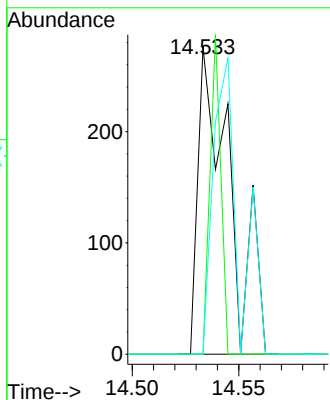
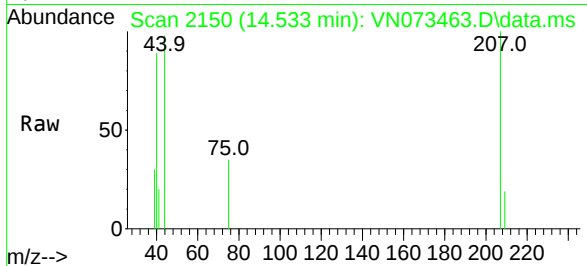




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.224 ug/l
 RT: 14.533 min Scan# 2151
 Delta R.T. -0.006 min
 Lab File: VN073463.D
 Acq: 14 Jul 2022 16:14

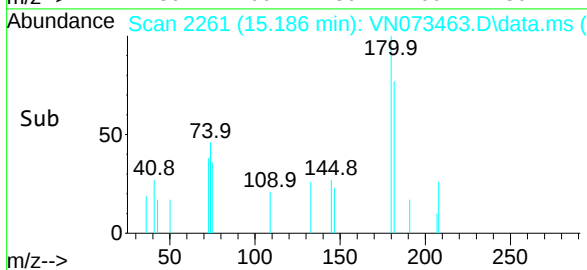
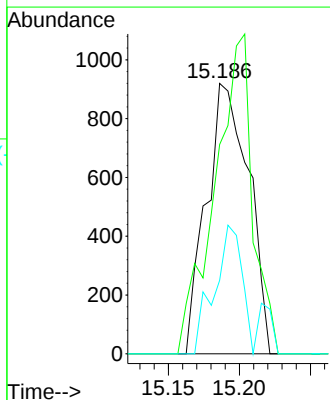
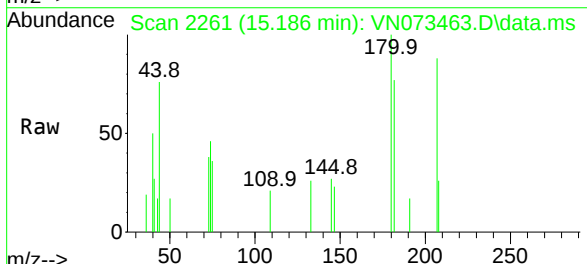
Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-03-280-300-071322

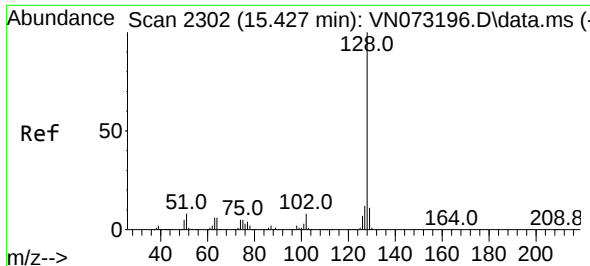
Tgt Ion: 75 Resp: 289
 Ion Ratio Lower Upper
 75 100
 155 34.9 44.9 134.5#
 157 76.5 59.0 176.8



#93
 1,2,4-Trichlorobenzene
 Concen: 0.537 ug/l
 RT: 15.186 min Scan# 2261
 Delta R.T. -0.006 min
 Lab File: VN073463.D
 Acq: 14 Jul 2022 16:14

Tgt Ion: 180 Resp: 1901
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.5 142.5#
 145 31.3 14.5 43.5

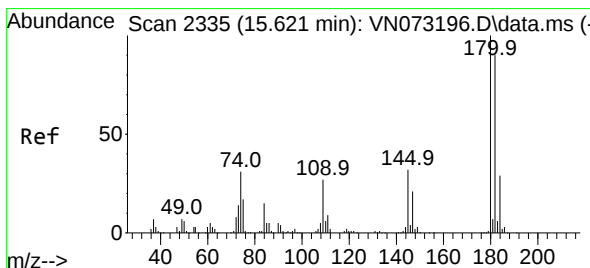
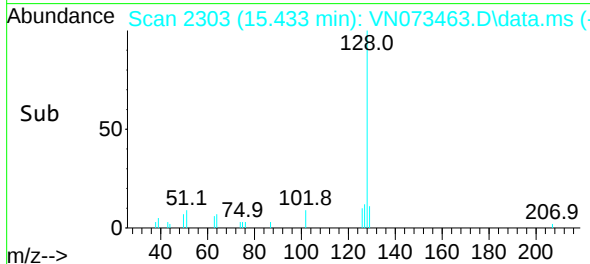
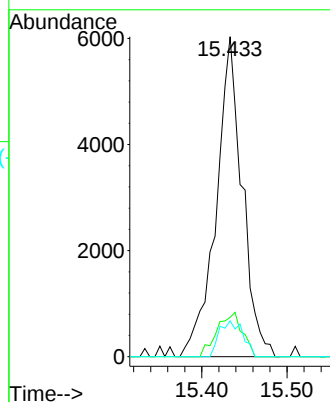
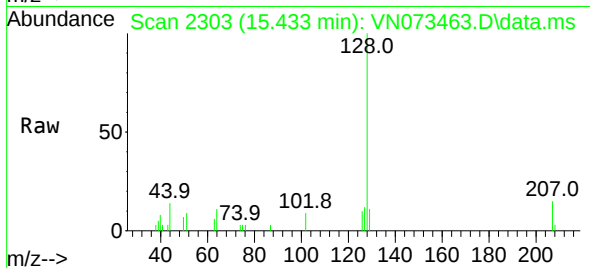




#95
Naphthalene
Concen: 0.897 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-03-280-300-071322

Tgt Ion:128	Resp:	12812
Ion Ratio	Lower	Upper
128	100	
127	13.4	10.3 15.5
129	10.1	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.793 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VN073463.D
Acq: 14 Jul 2022 16:14

Tgt Ion:180	Resp:	2897
Ion Ratio	Lower	Upper
180	100	
182	88.7	47.8 143.3
145	18.9	15.5 46.5

