

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074670.D
 Acq On : 30 Sep 2022 16:29
 Operator : JC\MD
 Sample : N4913-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-02-160-180-092922

Quant Time: Oct 03 02:06:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

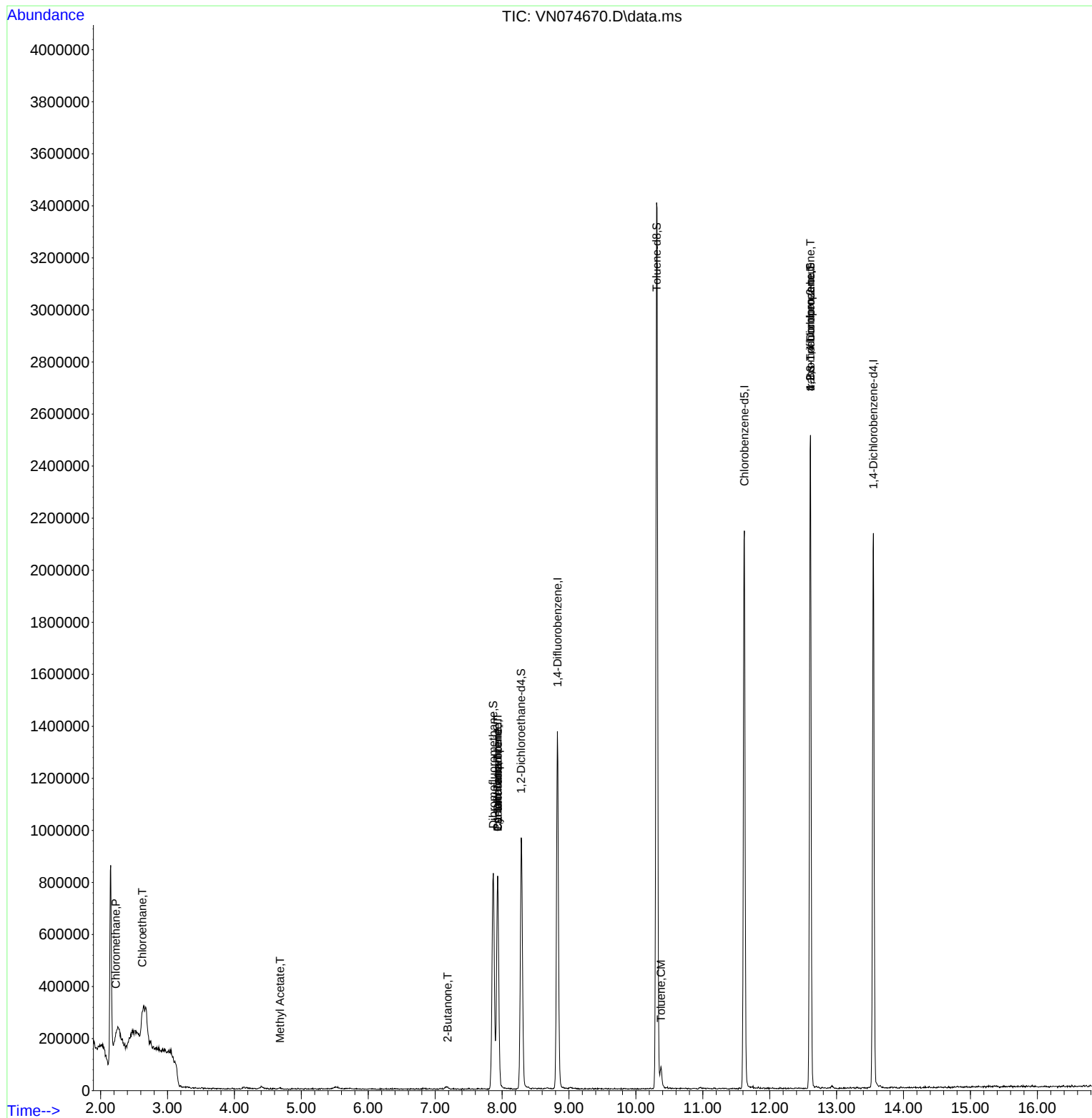
Internal Standards						
1) Pentafluorobenzene	7.933	168	582412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.827	114	1125113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.621	117	1139147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	523031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	714222	48.931	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.860%		
35) Dibromofluoromethane	7.869	113	585696	49.182	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.360%		
50) Toluene-d8	10.310	98	2278495	45.486	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.980%		
62) 4-Bromofluorobenzene	12.610	95	759194	47.797	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.600%		
Target Compounds						Qvalue
3) Chloromethane	2.228	50	4298	0.241	ug/l	97
6) Chloroethane	2.622	64	41240	2.072	ug/l #	47
8) Diethyl Ether	3.498	74	104	Below Cal	#	7
13) Acrolein	3.892	56	96	Below Cal		95
16) Acetone	4.134	43	10094	Below Cal	#	79
18) Methyl Acetate	4.681	43	6737	0.250	ug/l #	74
20) Methylene Chloride	4.887	84	438	Below Cal	#	33
25) 2-Butanone	7.186	43	15519	1.155	ug/l #	69
31) Cyclohexane	7.933	56	19070	0.804	ug/l #	60
36) 1,1-Dichloropropene	7.933	75	54565	2.861	ug/l #	49
38) Carbon Tetrachloride	7.933	117	63003	3.606	ug/l #	16
52) Toluene	10.374	92	28016	0.789	ug/l	83
74) N-amyl acetate	12.280	43	905	Below Cal	#	47
75) 1,1,2,2-Tetrachloroethane	12.698	83	56	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.610	75	462709	39.052	ug/l #	1
77) Bromobenzene	12.621	156	55	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.610	75	462709	73.929	ug/l #	10

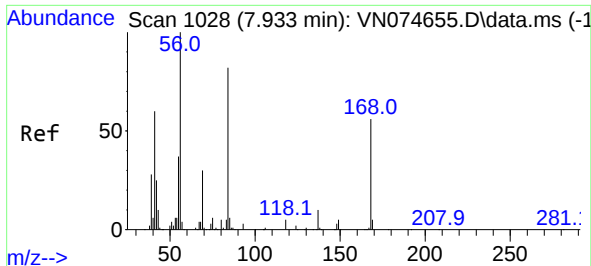
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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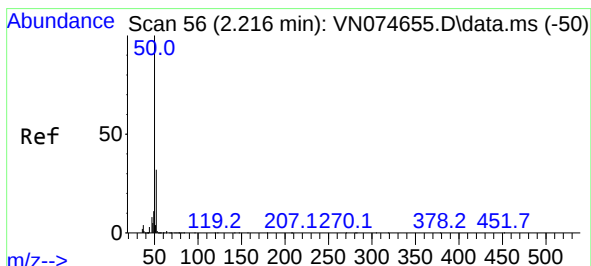
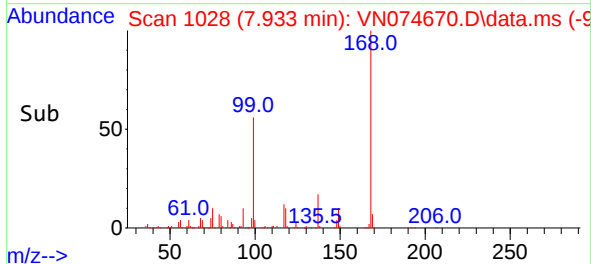
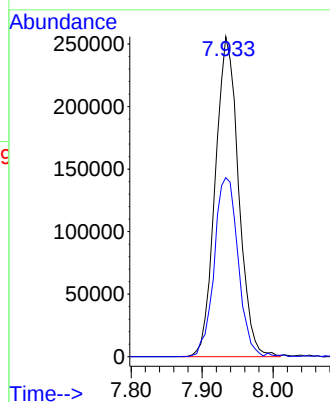
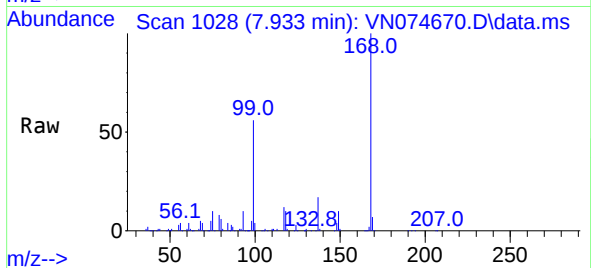




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

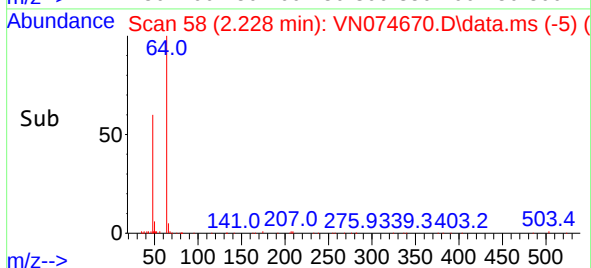
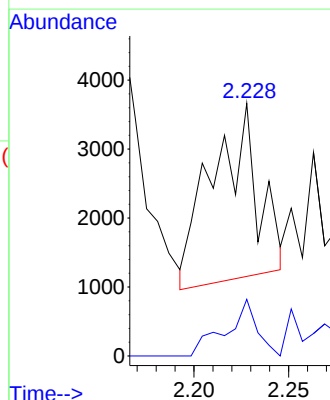
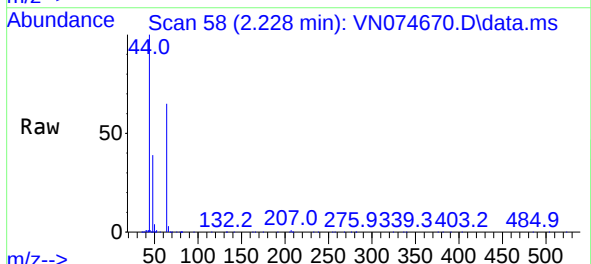
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-02-160-180-092922

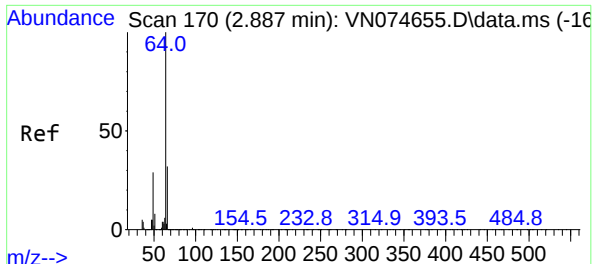
Tgt Ion:168 Resp: 582412
Ion Ratio Lower Upper
168 100
99 55.9 42.3 63.5



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.228 min Scan# 58
Delta R.T. 0.012 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

Tgt Ion: 50 Resp: 4298
Ion Ratio Lower Upper
50 100
52 34.0 25.7 38.5

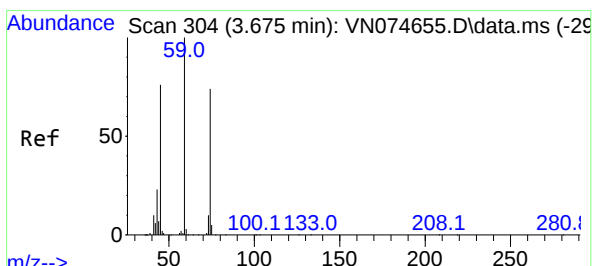
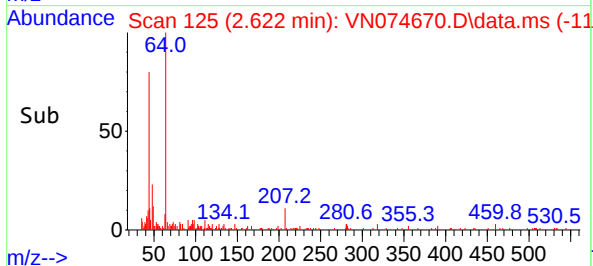
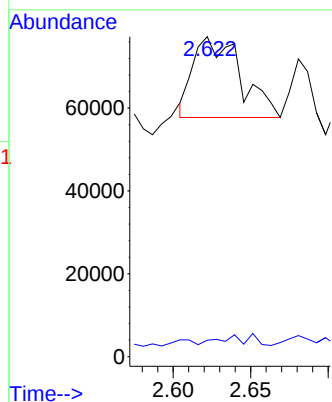
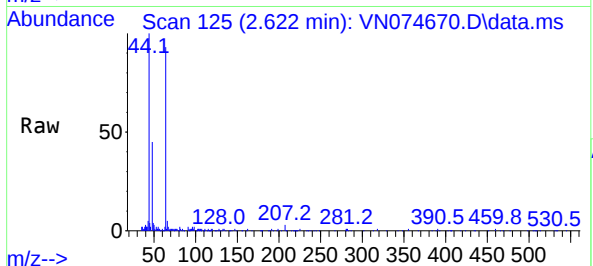




#6
Chloroethane
Concen: 2.072 ug/l
RT: 2.622 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

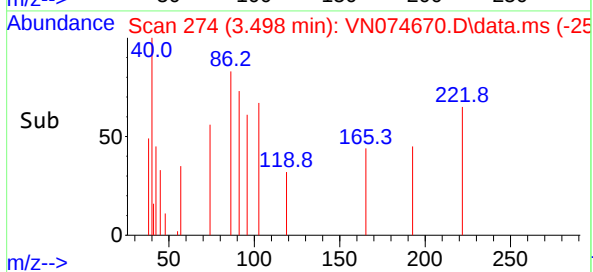
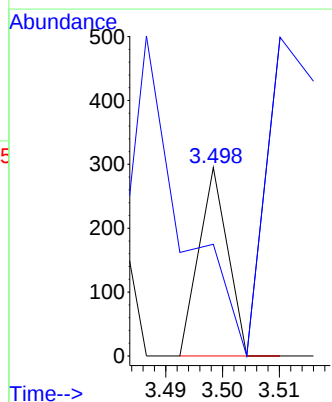
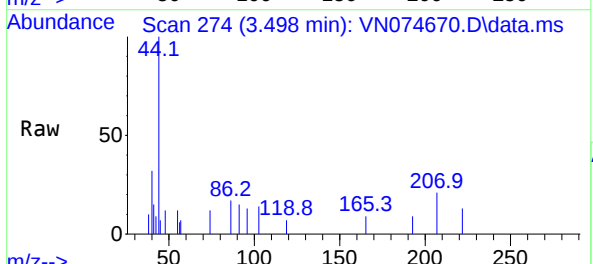
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-02-160-180-092922

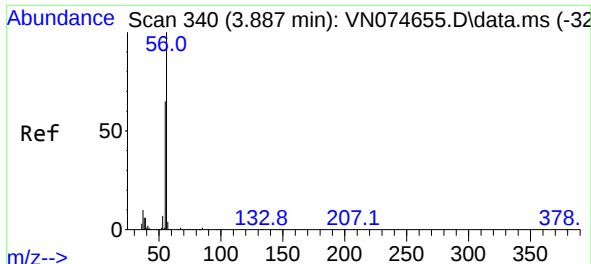
Tgt Ion: 64 Resp: 41240
Ion Ratio Lower Upper
64 100
66 2.9 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.498 min Scan# 274
Delta R.T. -0.177 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

Tgt Ion: 74 Resp: 104
Ion Ratio Lower Upper
74 100
45 0.0 42.9 128.5#

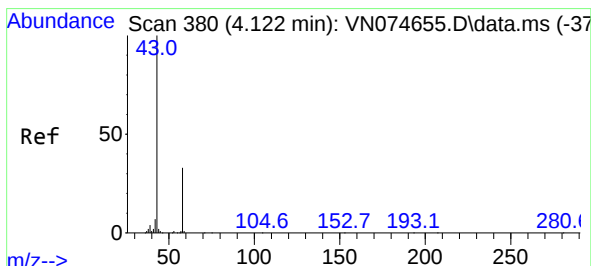
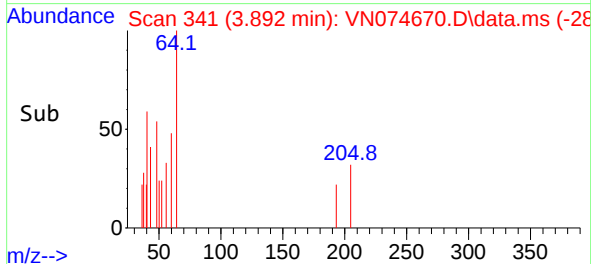
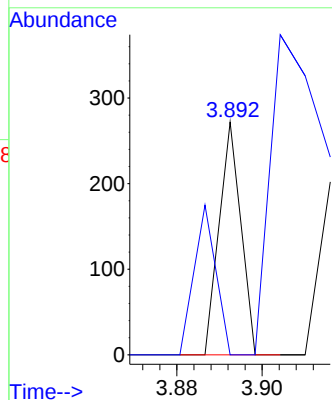
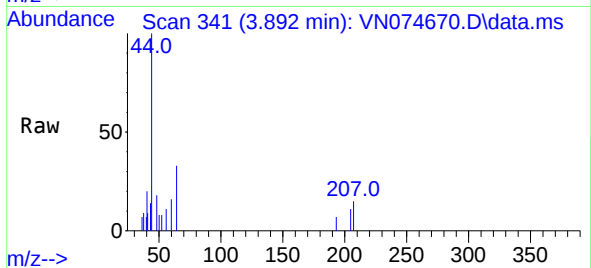




#13
Acrolein
Concen: Below Cal
RT: 3.892 min Scan# 341
Delta R.T. 0.005 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

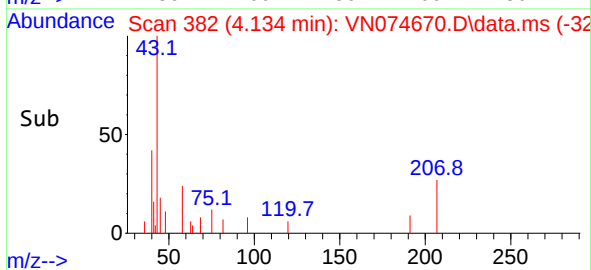
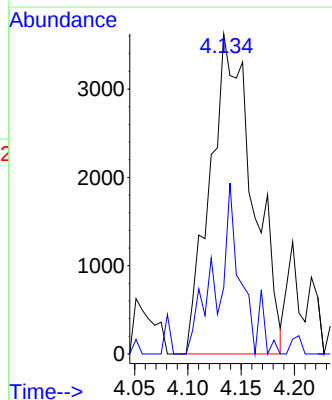
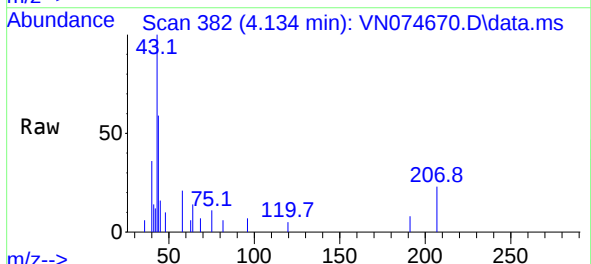
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-02-160-180-092922

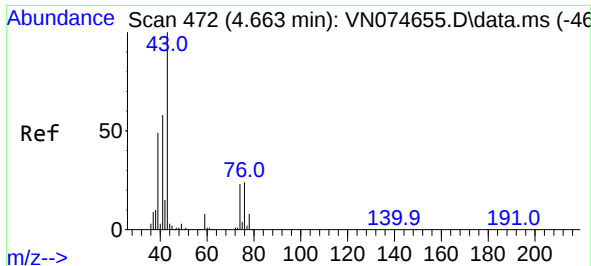
Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 64.6 54.8 82.2



#16
Acetone
Concen: Below Cal
RT: 4.134 min Scan# 382
Delta R.T. 0.012 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

Tgt Ion: 43 Resp: 10094
Ion Ratio Lower Upper
43 100
58 20.7 26.0 39.0#

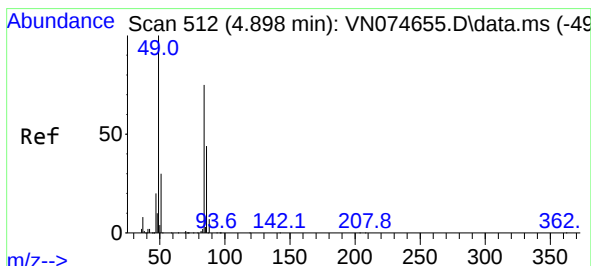
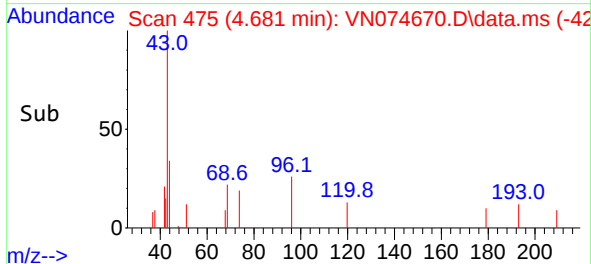
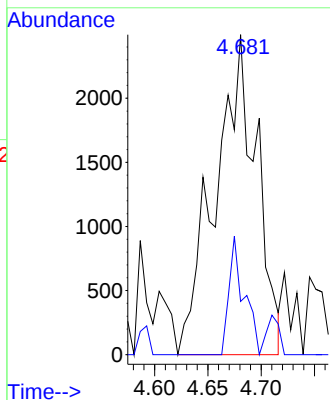
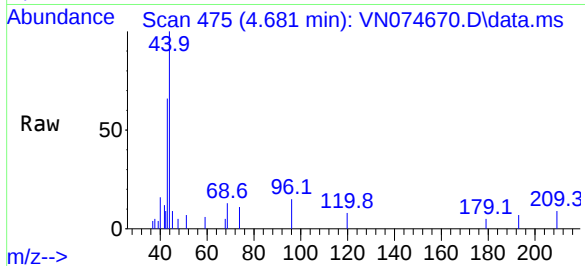




#18
Methyl Acetate
Concen: 0.250 ug/l
RT: 4.681 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

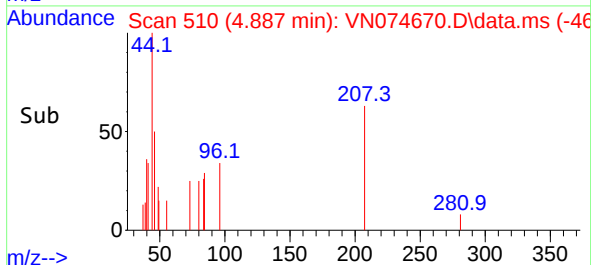
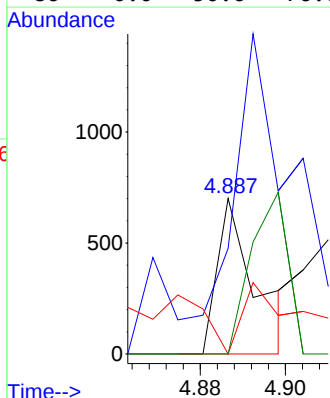
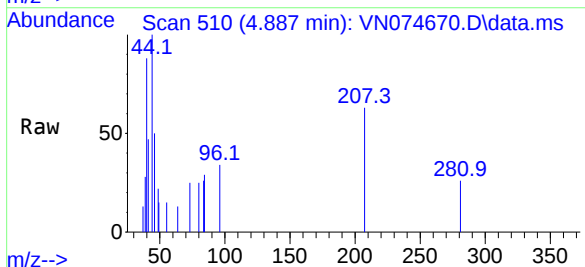
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-02-160-180-092922

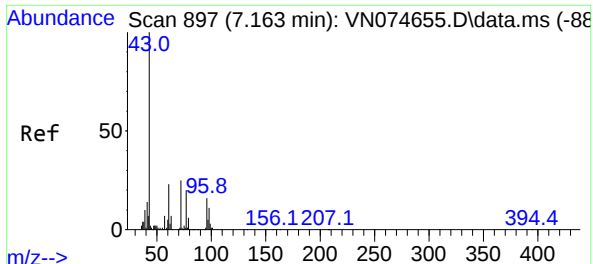
Tgt Ion: 43 Resp: 6737
Ion Ratio Lower Upper
43 100
74 13.5 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.887 min Scan# 510
Delta R.T. -0.011 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

Tgt Ion: 84 Resp: 438
Ion Ratio Lower Upper
84 100
49 45.9 88.3 132.5#
51 0.0 28.2 42.2#
86 0.0 50.6 76.0#

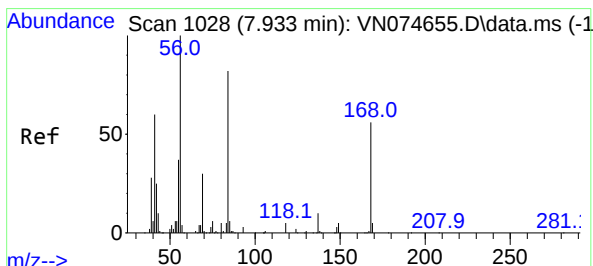
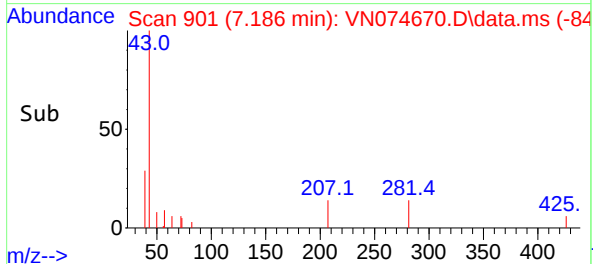
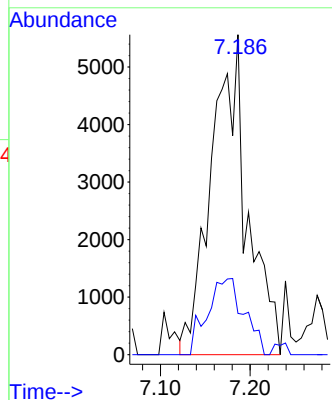
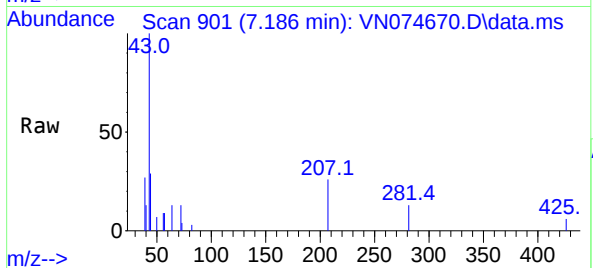




#25
2-Butanone
Concen: 1.155 ug/l
RT: 7.186 min Scan# 901
Delta R.T. 0.023 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

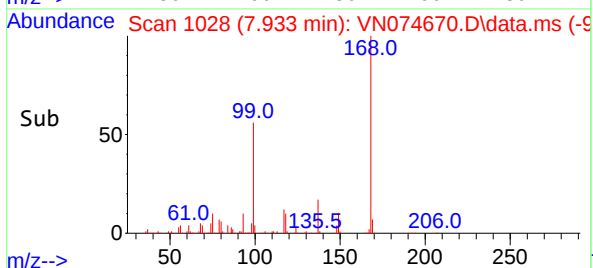
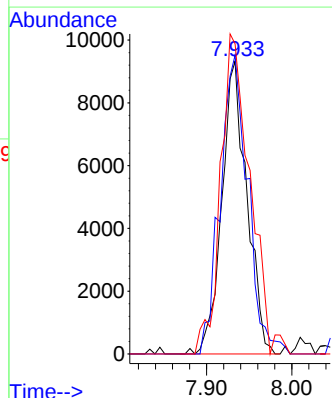
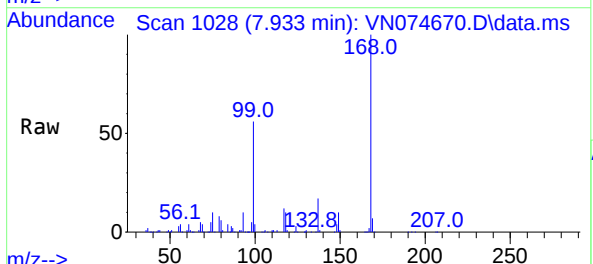
Instrument :
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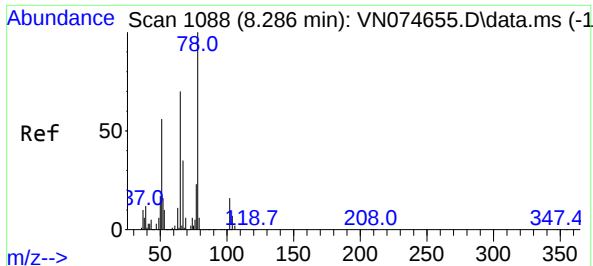
Tgt Ion: 43 Resp: 15519
Ion Ratio Lower Upper
43 100
72 12.9 23.7 35.5#



#31
Cyclohexane
Concen: 0.804 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

Tgt Ion: 56 Resp: 19070
Ion Ratio Lower Upper
56 100
69 105.0 27.8 41.8#
84 105.9 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 48.931 ug/l

RT: 8.286 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VN074670.D

Acq: 30 Sep 2022 16:29

Instrument :

MSVOA_N

ClientSampleId :

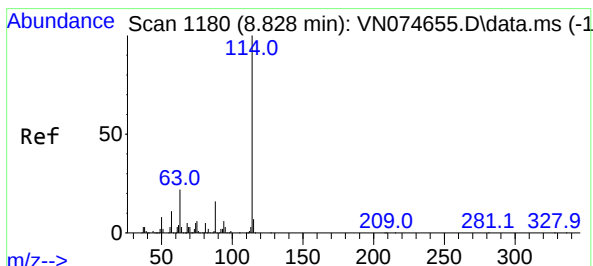
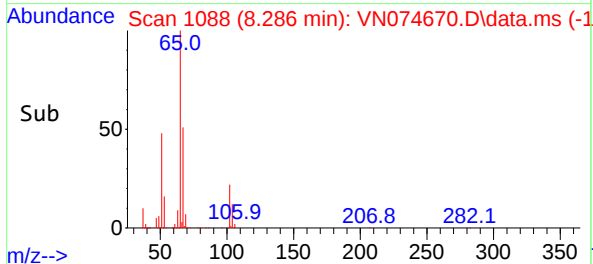
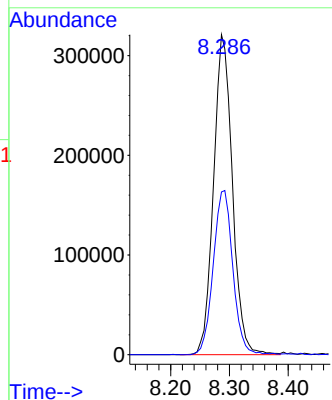
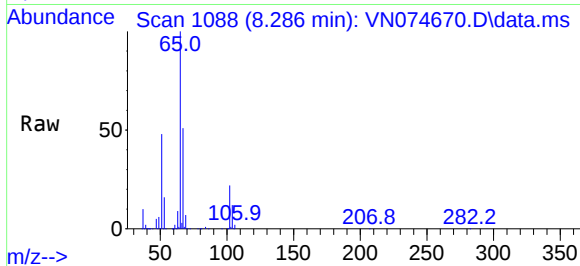
GWOW-BR-02-160-180-092922

Tgt Ion: 65 Resp: 714222

Ion Ratio Lower Upper

65 100

67 53.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.827 min Scan# 1180

Delta R.T. -0.001 min

Lab File: VN074670.D

Acq: 30 Sep 2022 16:29

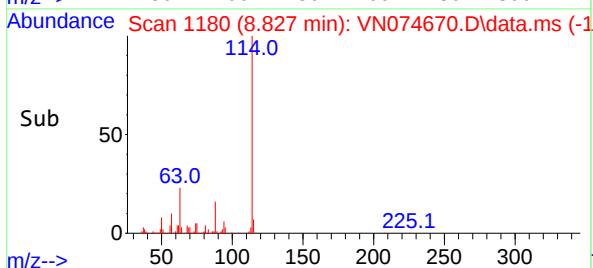
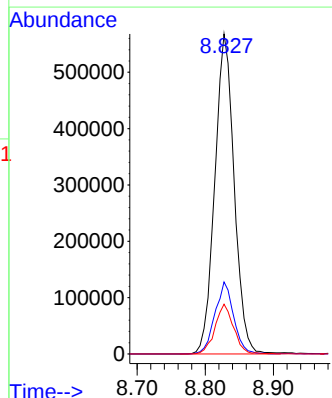
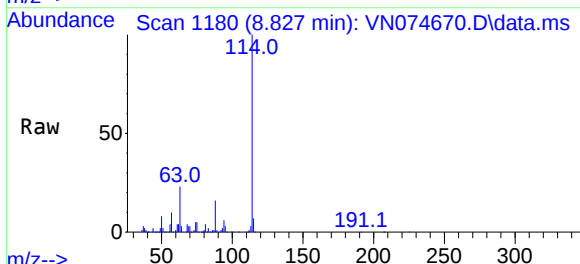
Tgt Ion: 114 Resp: 1125113

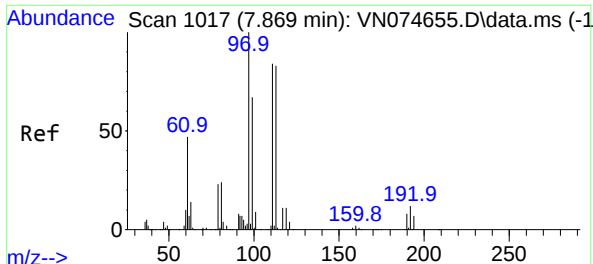
Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.0

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.182 ug/l

RT: 7.869 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VN074670.D

Acq: 30 Sep 2022 16:29

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-02-160-180-092922

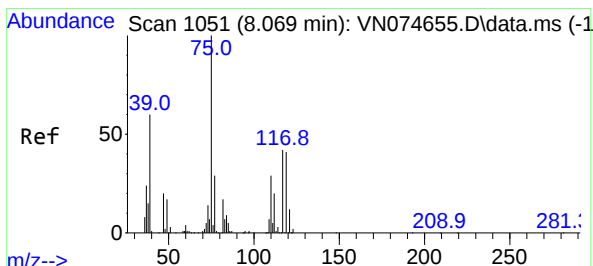
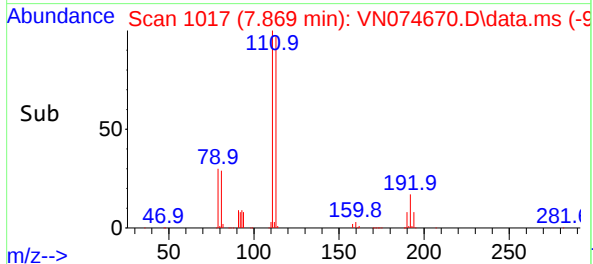
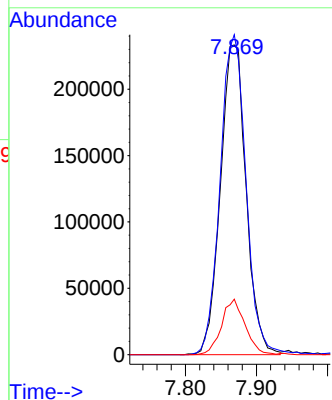
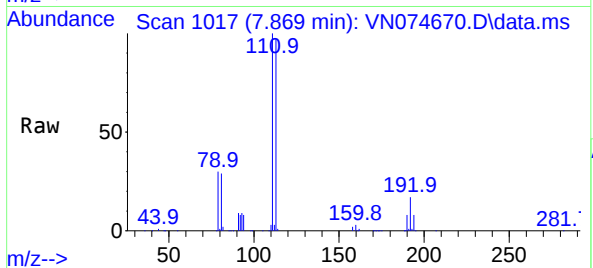
Tgt Ion:113 Resp: 585696

Ion Ratio Lower Upper

113 100

111 104.2 81.4 122.0

192 16.4 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 2.861 ug/l

RT: 7.933 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VN074670.D

Acq: 30 Sep 2022 16:29

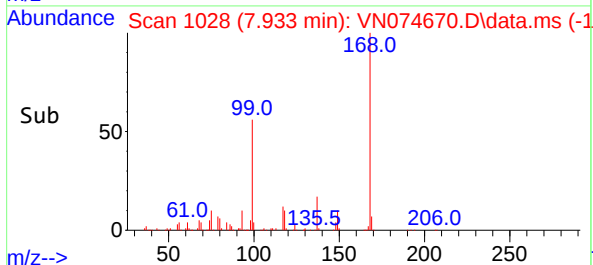
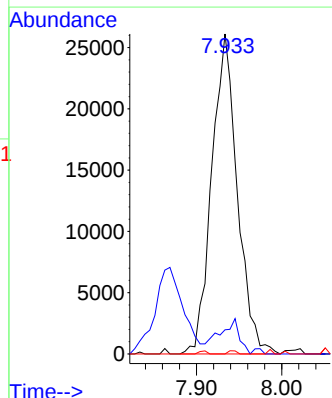
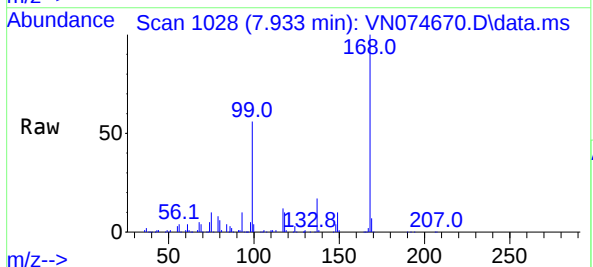
Tgt Ion: 75 Resp: 54565

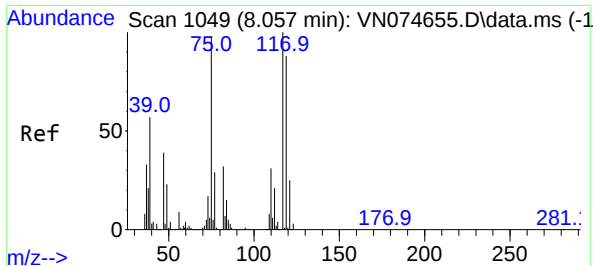
Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.3 25.1 37.7#

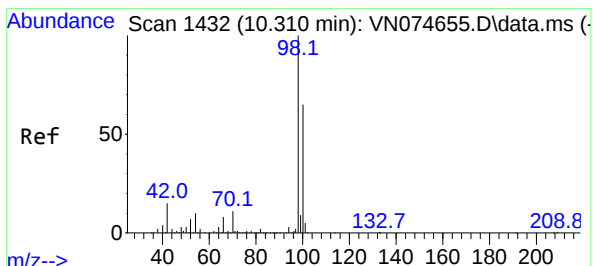
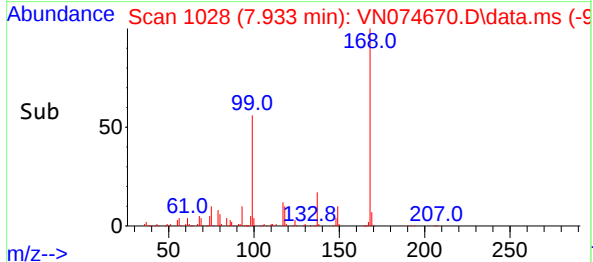
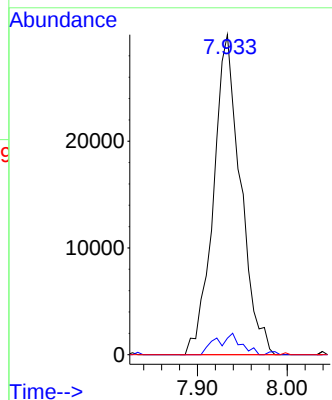
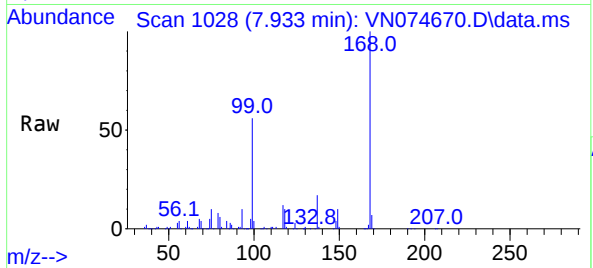




#38
Carbon Tetrachloride
Concen: 3.606 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

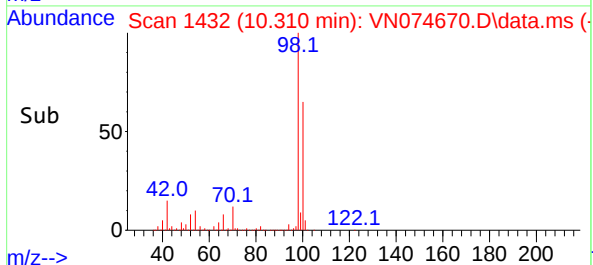
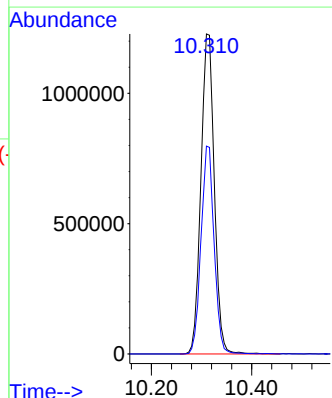
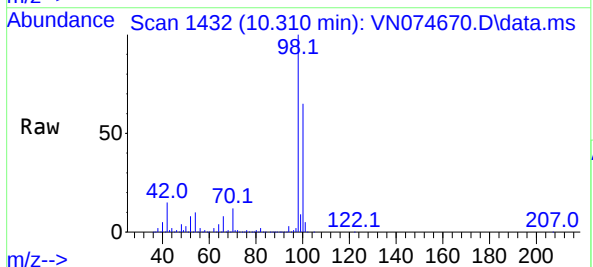
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-02-160-180-092922

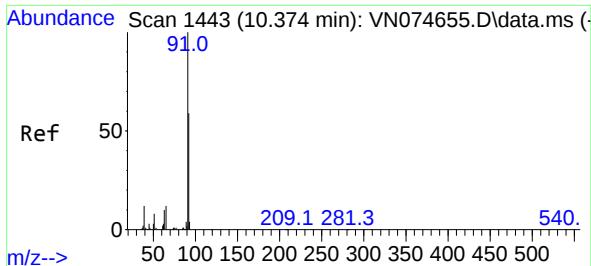
Tgt Ion:117 Resp: 63003
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 45.486 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

Tgt Ion: 98 Resp: 2278495
Ion Ratio Lower Upper
98 100
100 63.5 52.6 78.8

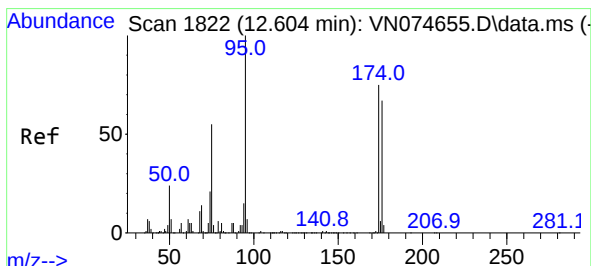
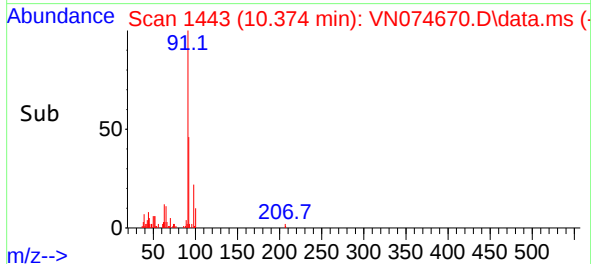
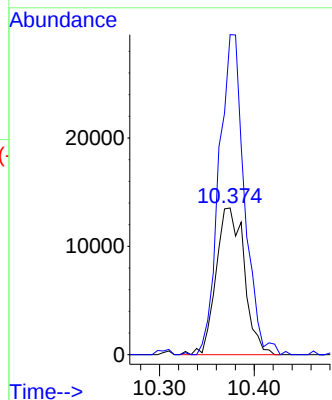
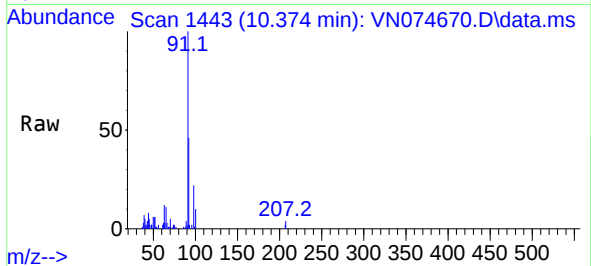




#52
Toluene
Concen: 0.789 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

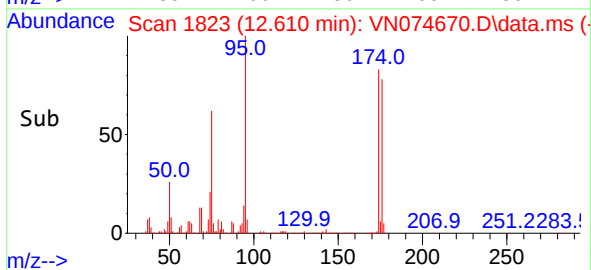
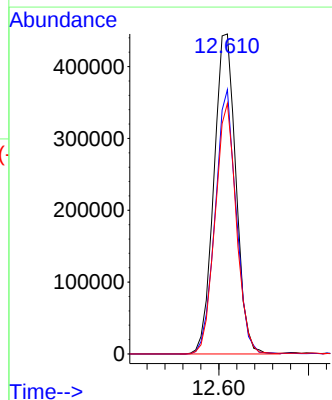
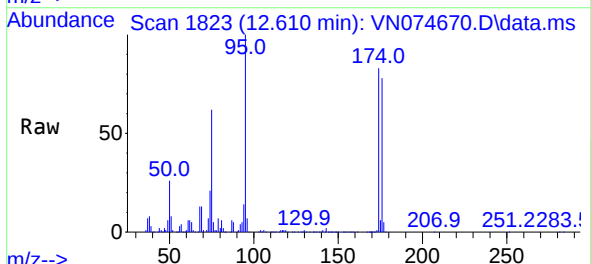
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-02-160-180-092922

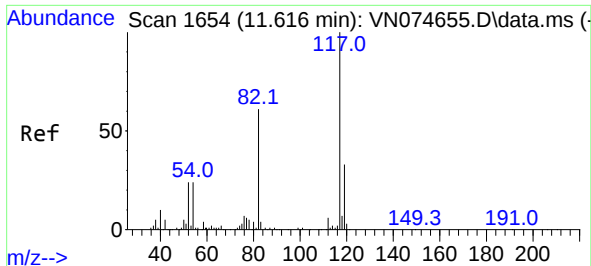
Tgt Ion: 92 Resp: 28016
Ion Ratio Lower Upper
92 100
91 197.0 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 47.797 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

Tgt Ion: 95 Resp: 759194
Ion Ratio Lower Upper
95 100
174 78.6 0.0 167.6
176 75.3 0.0 163.4

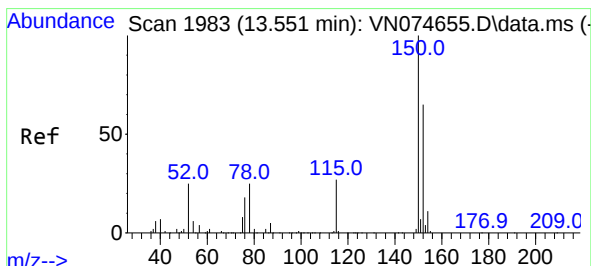
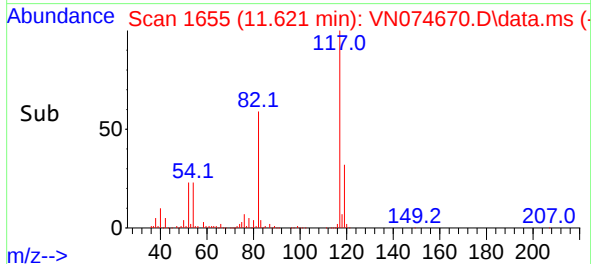
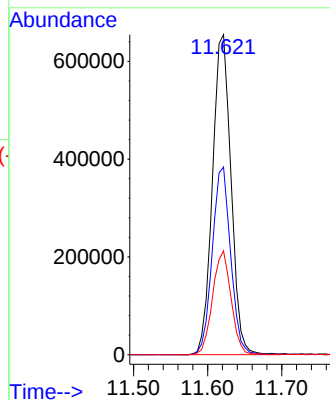
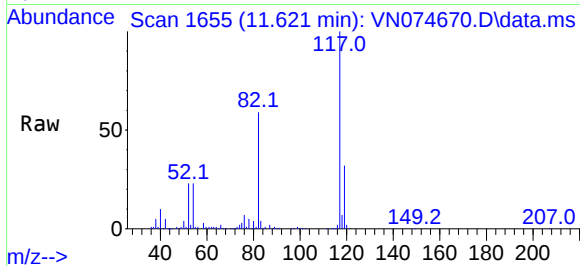




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.621 min Scan# 11655
Delta R.T. 0.005 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

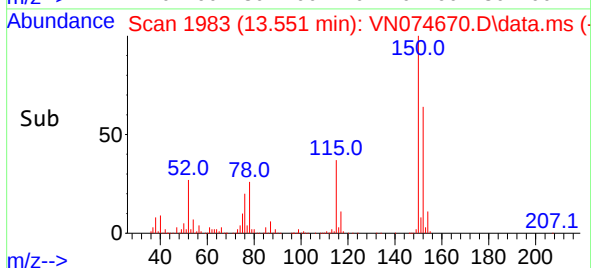
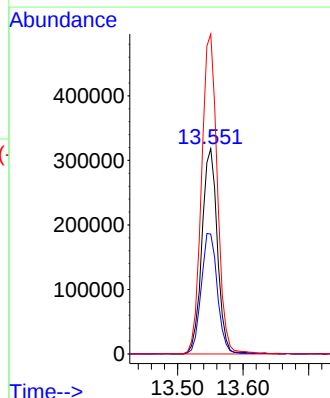
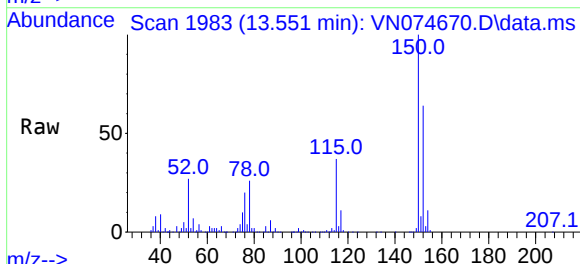
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-02-160-180-092922

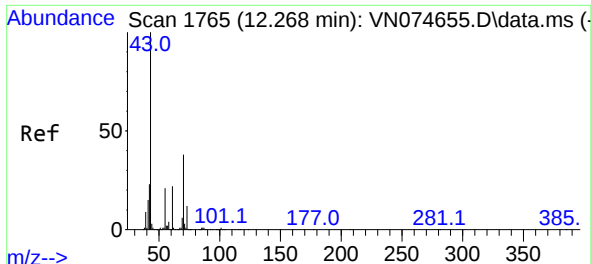
Tgt Ion:117 Resp: 1139147
Ion Ratio Lower Upper
117 100
82 58.7 44.2 66.2
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

Tgt Ion:152 Resp: 523031
Ion Ratio Lower Upper
152 100
115 61.3 28.9 86.7
150 158.6 0.0 356.2

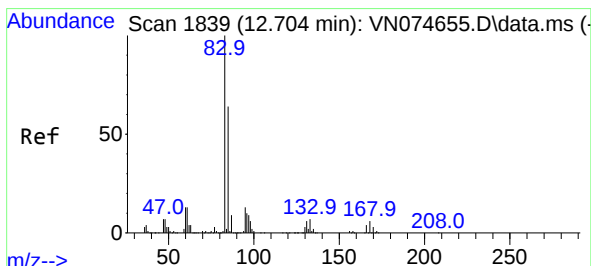
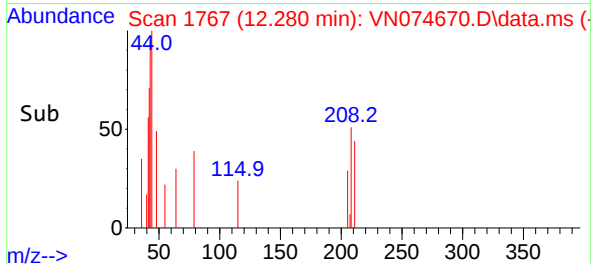
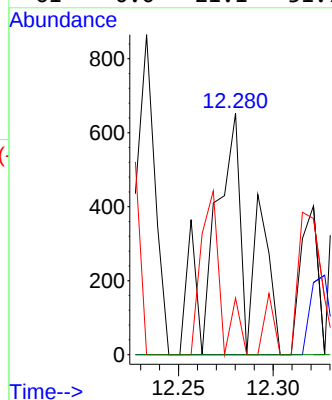
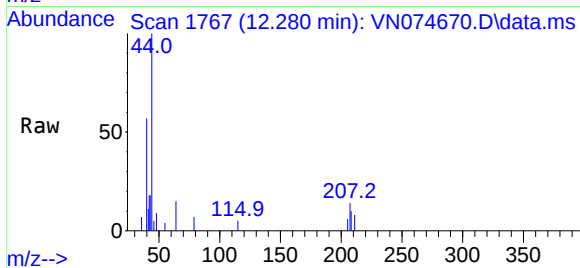




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.280 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

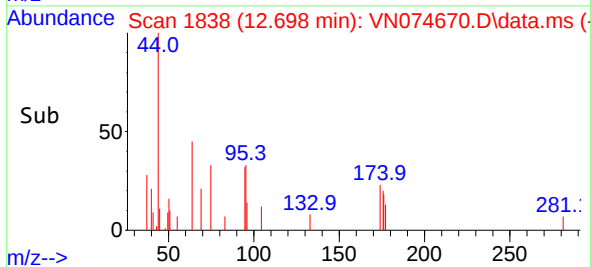
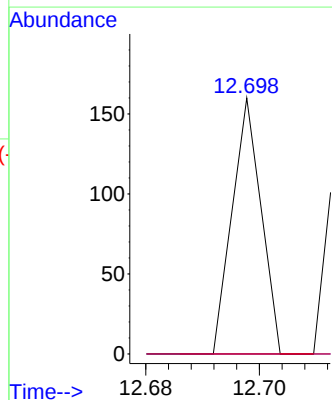
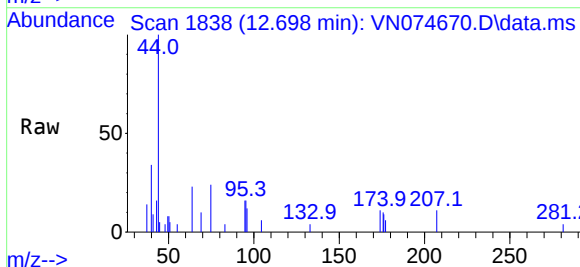
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-02-160-180-092922

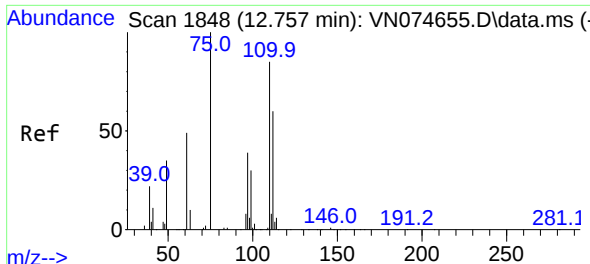
Tgt Ion:	43	Resp:	905
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	36.0	21.1	31.7#
61	0.0	21.1	31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.698 min Scan# 1838
Delta R.T. -0.006 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

Tgt Ion:	83	Resp:	56
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.9#
85	0.0	32.3	96.9#

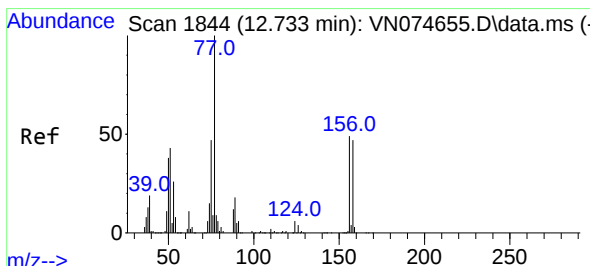
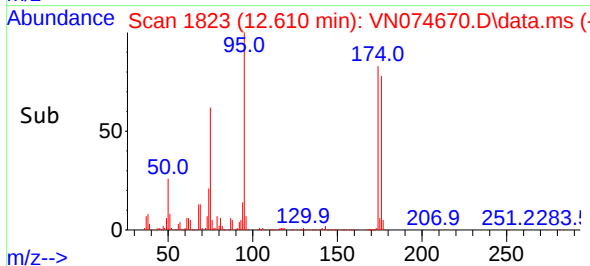
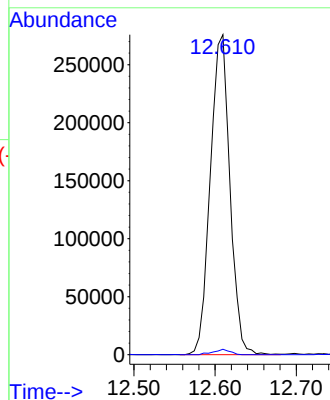
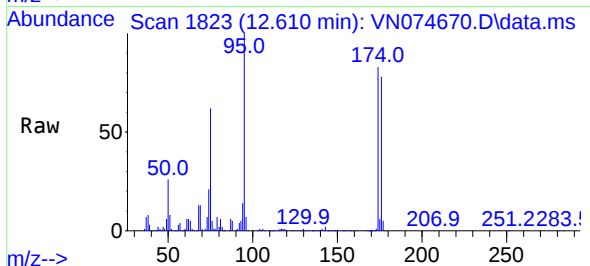




#76
1,2,3-Trichloropropane
Concen: 39.052 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. -0.147 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

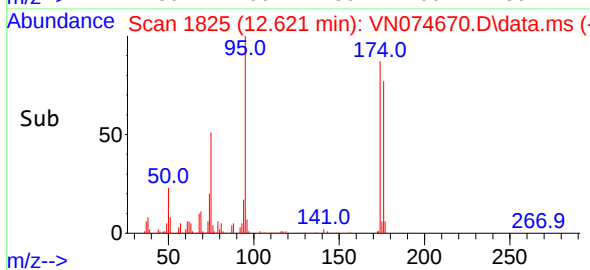
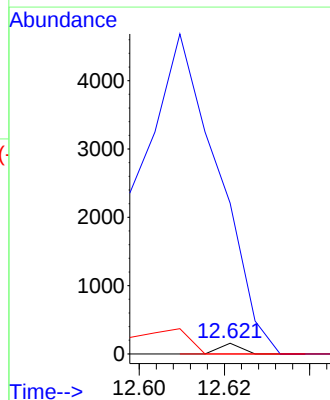
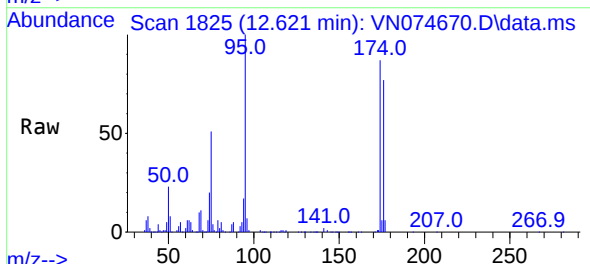
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-02-160-180-092922

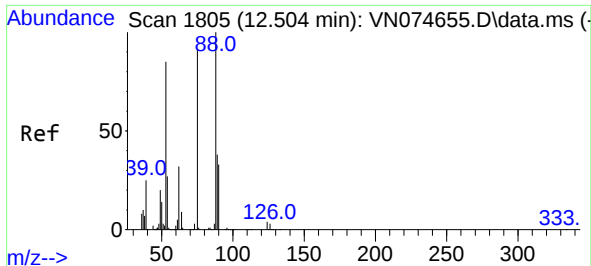
Tgt Ion: 75 Resp: 462709
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.621 min Scan# 1825
Delta R.T. -0.112 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

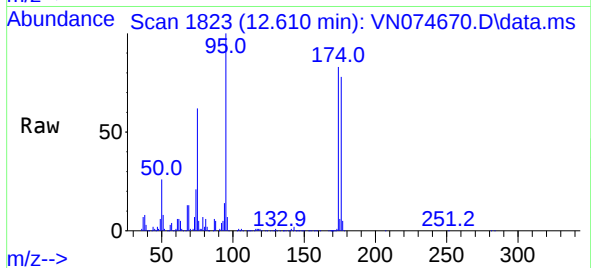
Tgt Ion:156 Resp: 55
Ion Ratio Lower Upper
156 100
77 12074.5 100.5 301.5#
158 745.5 48.9 146.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.929 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.106 min
Lab File: VN074670.D
Acq: 30 Sep 2022 16:29

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-02-160-180-092922



Tgt Ion: 75 Resp: 462709
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

