

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074669.D
 Acq On : 30 Sep 2022 16:04
 Operator : JC\MD
 Sample : N4913-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-02-140-160-092822

Quant Time: Oct 03 02:06:23 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)

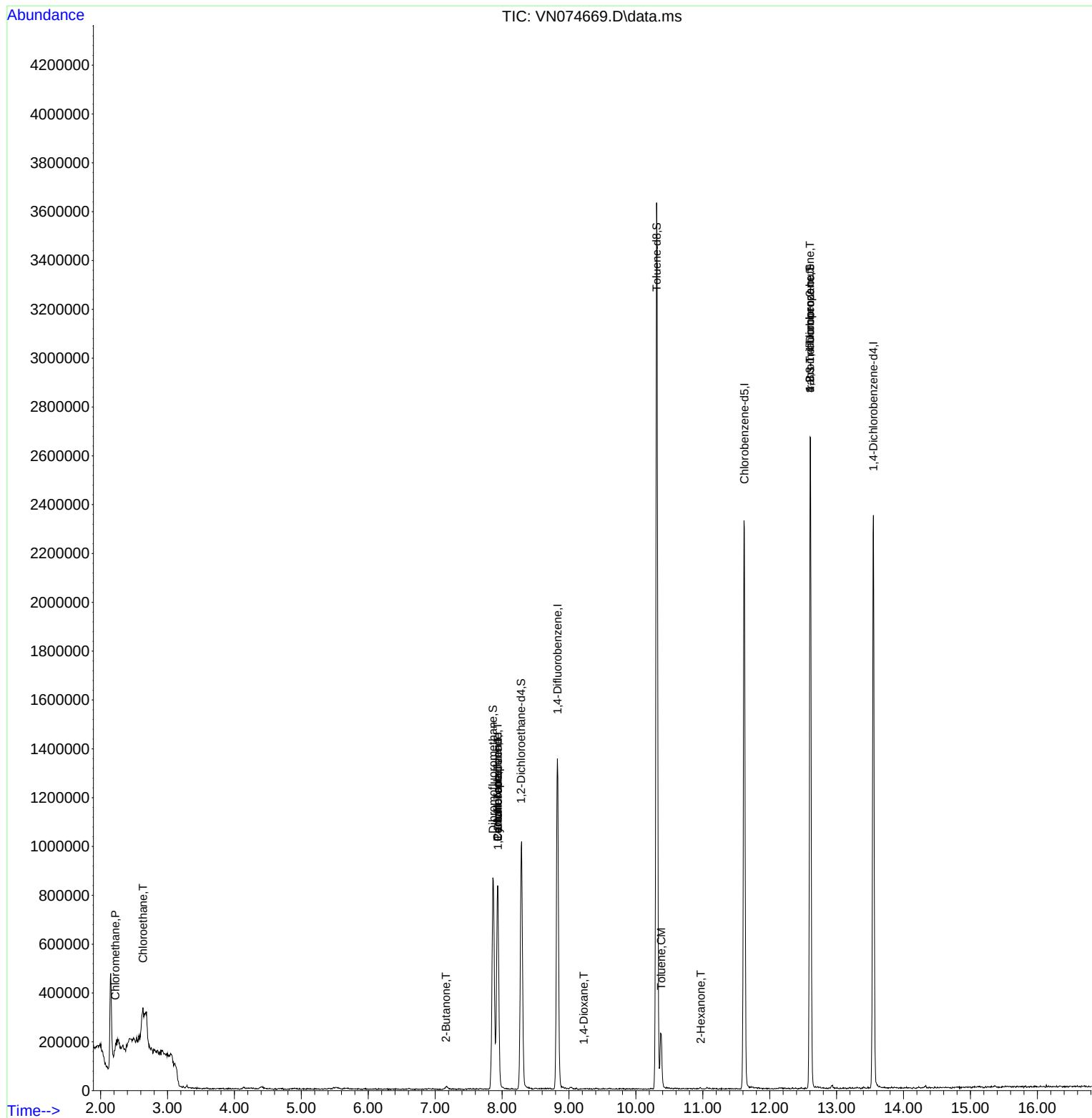
Internal Standards						
1) Pentafluorobenzene	7.933	168	604871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.827	114	1174444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.621	117	1230984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	562171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	755549	49.840	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.680%		
35) Dibromofluoromethane	7.863	113	611431	49.186	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.380%		
50) Toluene-d8	10.310	98	2388339	45.676	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.360%		
62) 4-Bromofluorobenzene	12.604	95	806802	48.661	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.320%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.222	50	5019	0.271	ug/l #	55
6) Chloroethane	2.634	64	62307	3.014	ug/l #	69
8) Diethyl Ether	3.645	74	107	Below Cal	#	1
13) Acrolein	3.875	56	651	Below Cal	#	77
16) Acetone	4.140	43	7562	Below Cal	#	29
20) Methylene Chloride	4.922	84	834	Below Cal	#	42
25) 2-Butanone	7.163	43	18072	1.295	ug/l #	88
31) Cyclohexane	7.933	56	18338	0.745	ug/l #	58
36) 1,1-Dichloropropene	7.939	75	58813	2.954	ug/l #	47
38) Carbon Tetrachloride	7.933	117	60744	3.331	ug/l #	15
49) 1,4-Dioxane	9.222	88	154	0.416	ug/l #	1
52) Toluene	10.380	92	93793	2.532	ug/l	99
59) 2-Hexanone	10.969	43	4848	0.215	ug/l	82
74) N-amyl acetate	12.274	43	1146	Below Cal	#	67
75) 1,1,2,2-Tetrachloroethane	12.610	83	1032	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.604	75	487815	38.250	ug/l #	1
77) Bromobenzene	12.733	156	66	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	487815	72.514	ug/l #	10
94) Hexachlorobutadiene	15.292	225	79	Below Cal	#	18

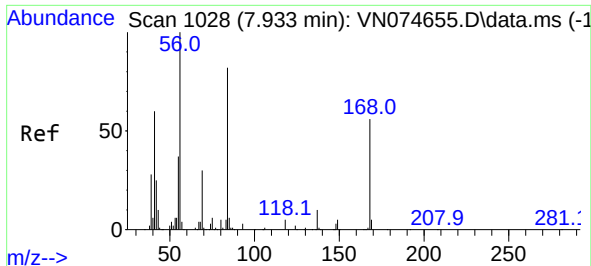
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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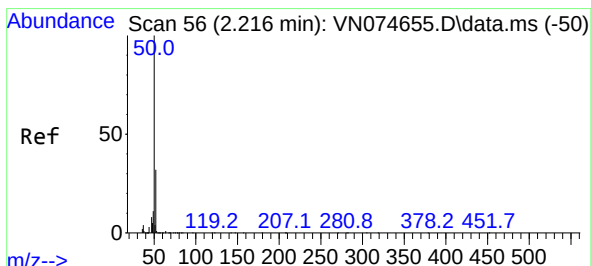
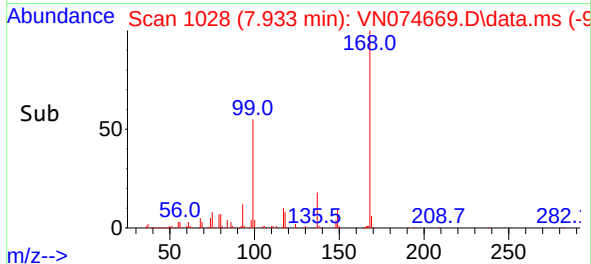
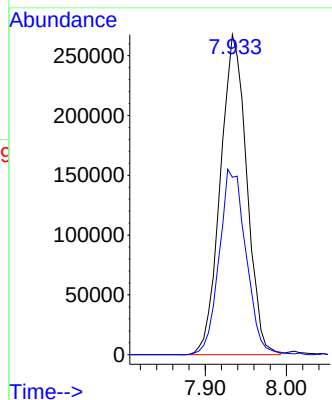
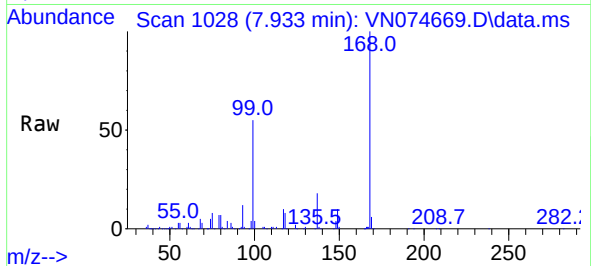




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

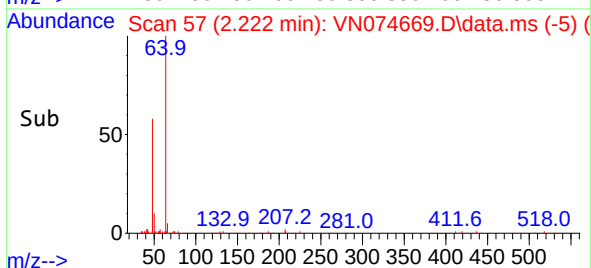
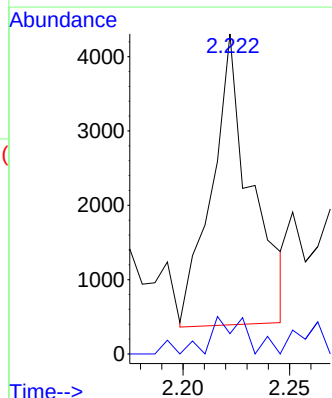
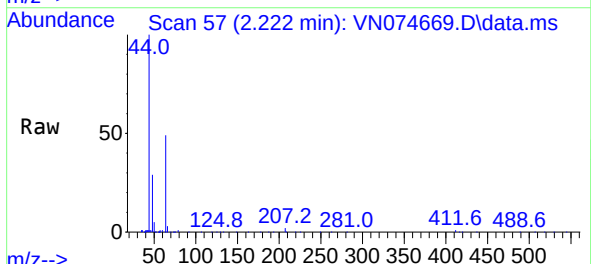
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-02-140-160-092822

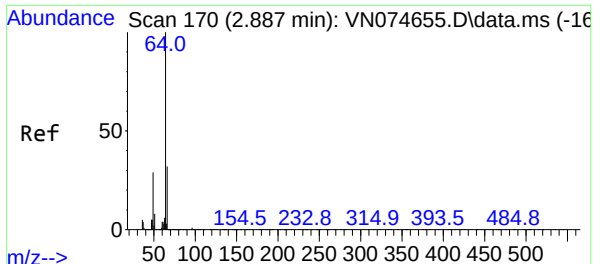
Tgt Ion:168 Resp: 604871
Ion Ratio Lower Upper
168 100
99 55.5 42.3 63.5



#3
Chloromethane
Concen: 0.271 ug/l
RT: 2.222 min Scan# 57
Delta R.T. 0.006 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

Tgt Ion: 50 Resp: 5019
Ion Ratio Lower Upper
50 100
52 7.0 25.7 38.5#

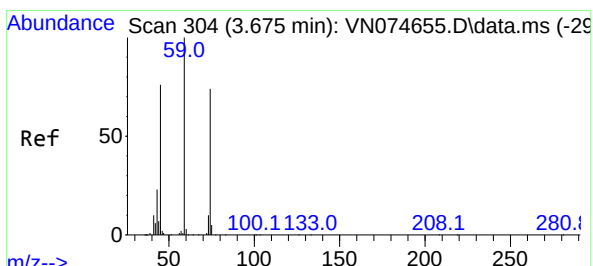
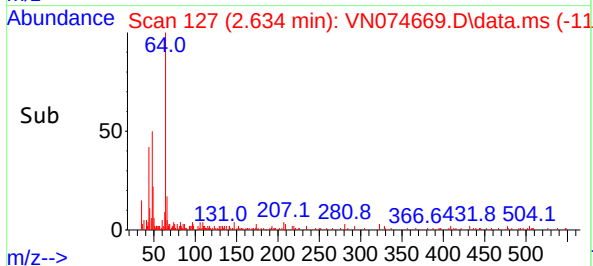
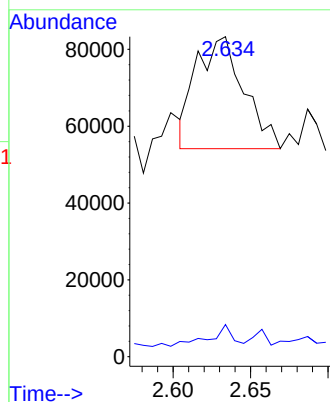
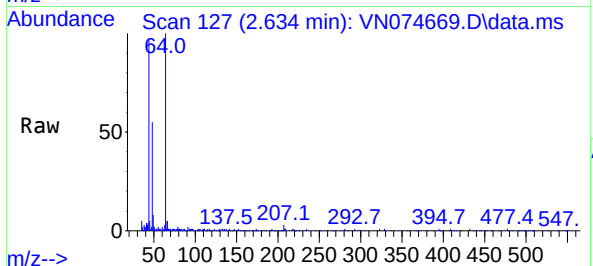




#6
Chloroethane
Concen: 3.014 ug/l
RT: 2.634 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

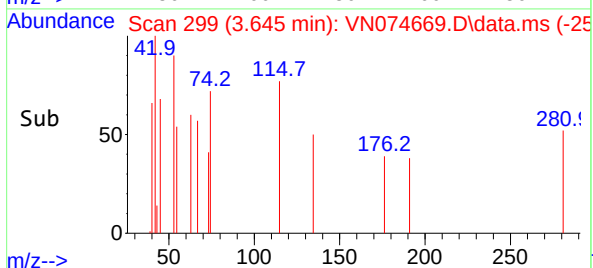
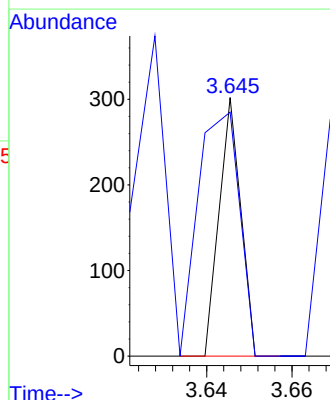
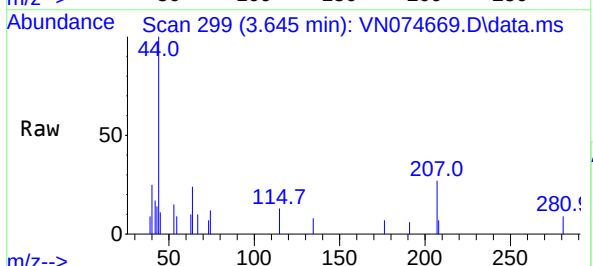
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-02-140-160-092822

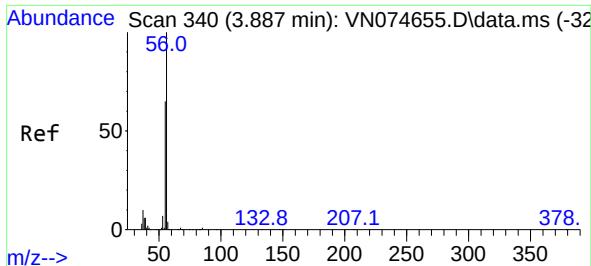
Tgt Ion: 64 Resp: 62307
Ion Ratio Lower Upper
64 100
66 15.2 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.645 min Scan# 299
Delta R.T. -0.030 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

Tgt Ion: 74 Resp: 107
Ion Ratio Lower Upper
74 100
45 180.4 42.9 128.5#

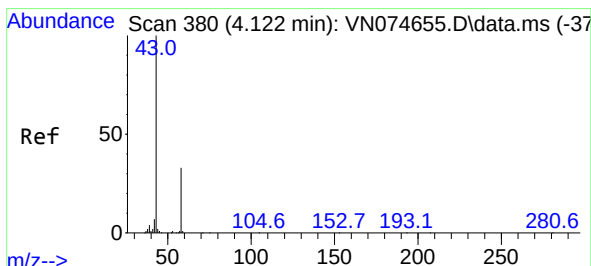
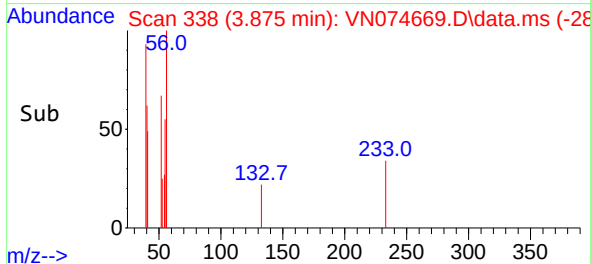
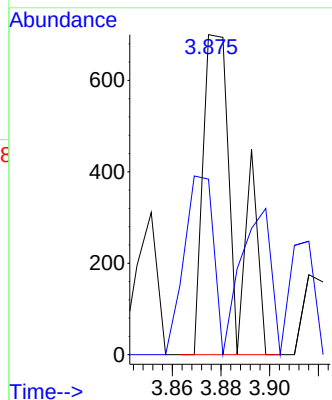
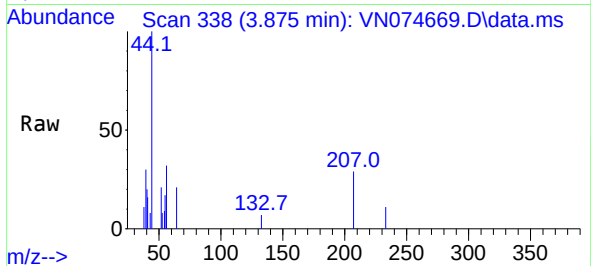




#13
Acrolein
Concen: Below Cal
RT: 3.875 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

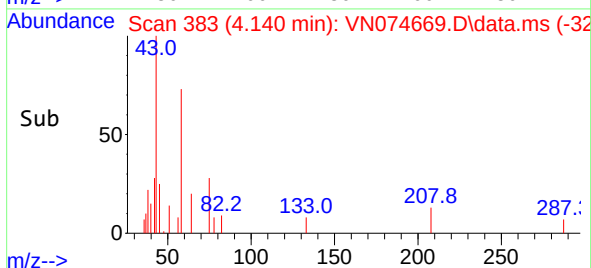
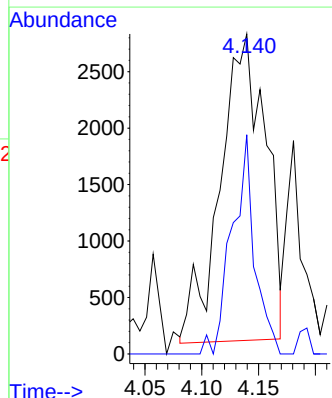
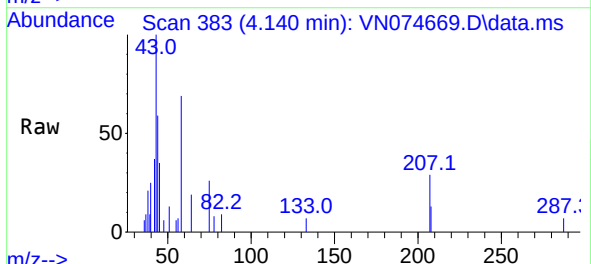
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-02-140-160-092822

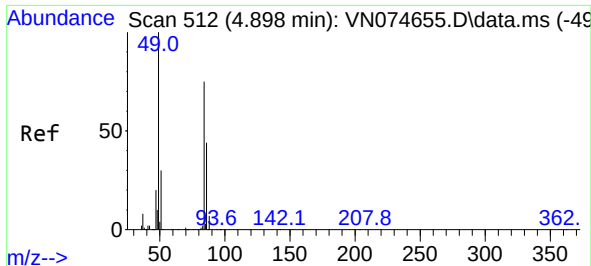
Tgt Ion: 56 Resp: 651
Ion Ratio Lower Upper
56 100
55 50.2 54.8 82.2#



#16
Acetone
Concen: Below Cal
RT: 4.140 min Scan# 383
Delta R.T. 0.018 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

Tgt Ion: 43 Resp: 7562
Ion Ratio Lower Upper
43 100
58 72.4 26.0 39.0#

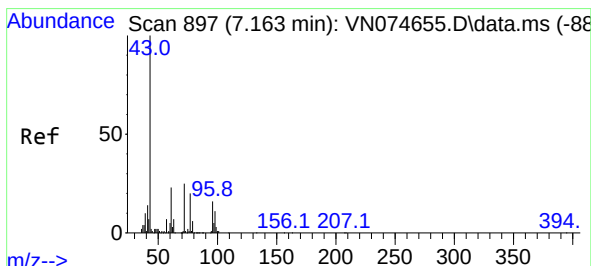
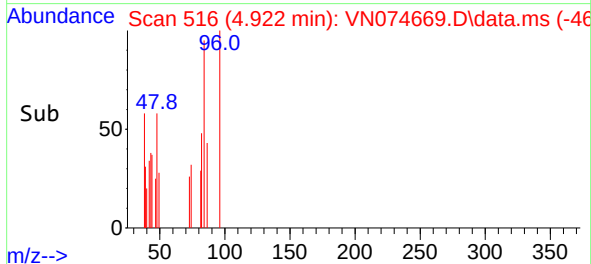
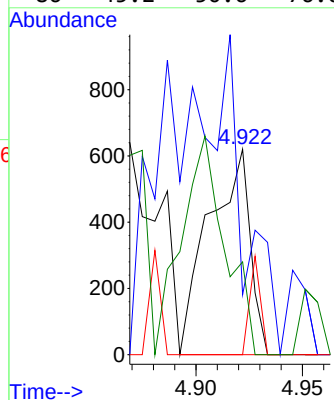
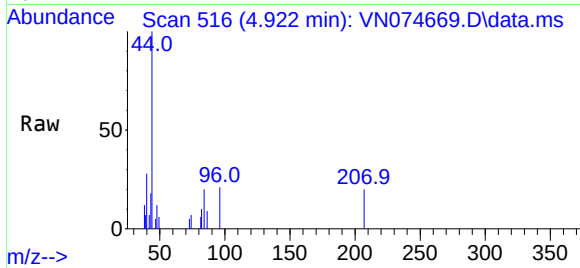




#20
Methylene Chloride
Concen: Below Cal
RT: 4.922 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

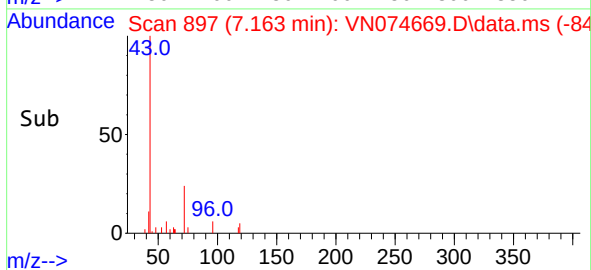
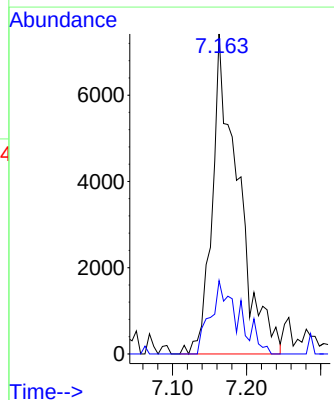
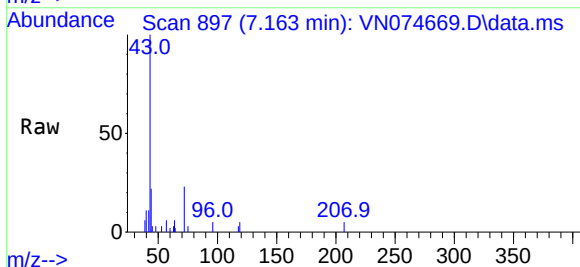
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-02-140-160-092822

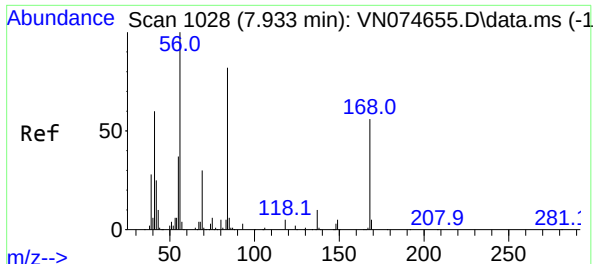
Tgt Ion:	84	Resp:	834
Ion	Ratio	Lower	Upper
84	100		
49	29.2	88.3	132.5#
51	0.0	28.2	42.2#
86	45.2	50.6	76.0#



#25
2-Butanone
Concen: 1.295 ug/l
RT: 7.163 min Scan# 897
Delta R.T. -0.000 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

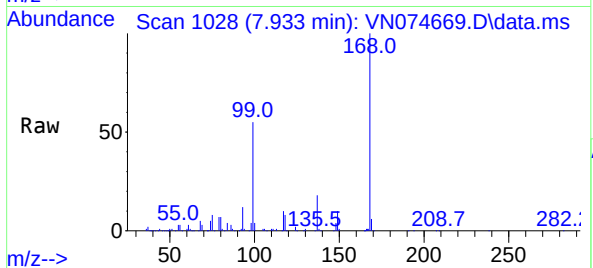
Tgt Ion:	43	Resp:	18072
Ion	Ratio	Lower	Upper
43	100		
72	22.9	23.7	35.5#



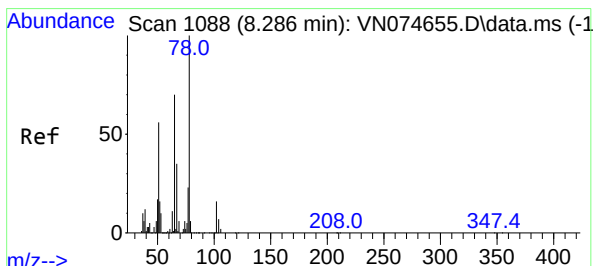
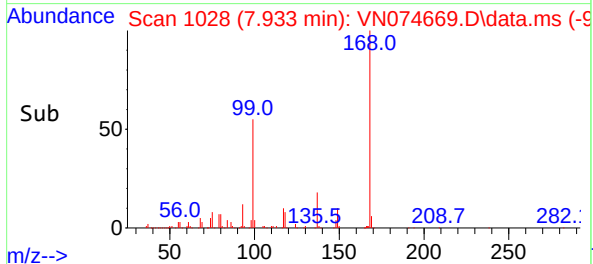
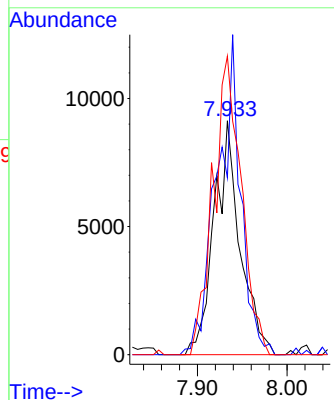


#31
Cyclohexane
Concen: 0.745 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-02-140-160-092822

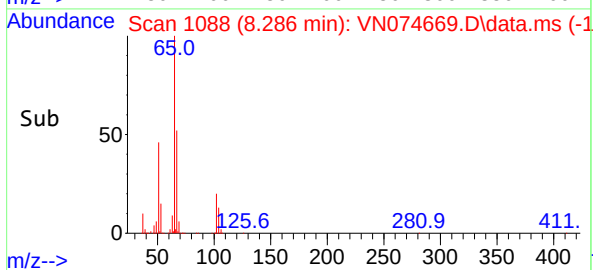
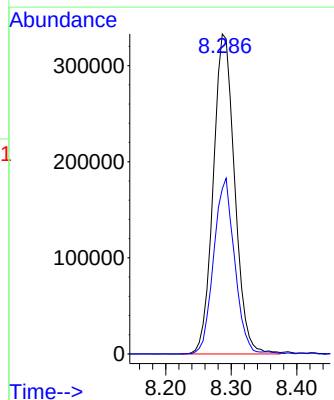
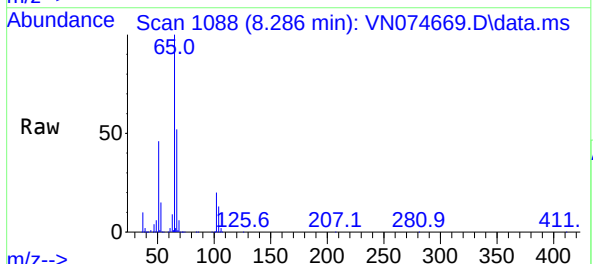


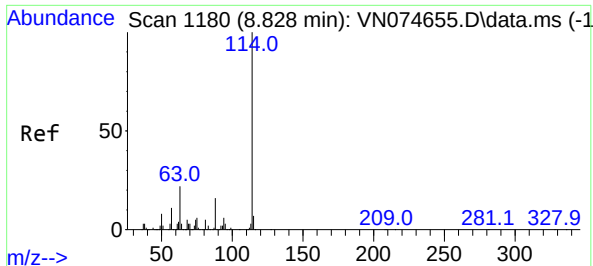
Tgt Ion: 56 Resp: 18338
Ion Ratio Lower Upper
56 100
69 75.7 27.8 41.8#
84 127.6 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 49.840 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

Tgt Ion: 65 Resp: 755549
Ion Ratio Lower Upper
65 100
67 53.7 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: VN074669.D

Acq: 30 Sep 2022 16:04

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-02-140-160-092822

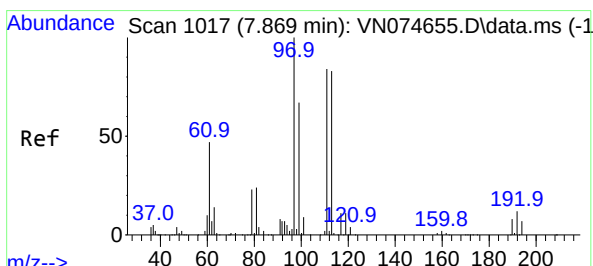
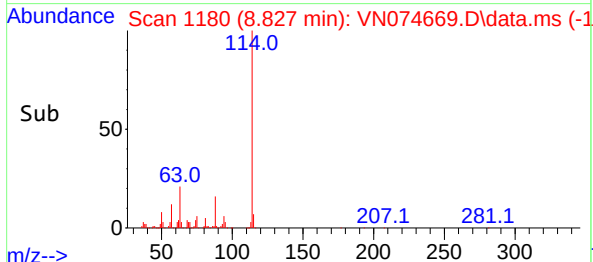
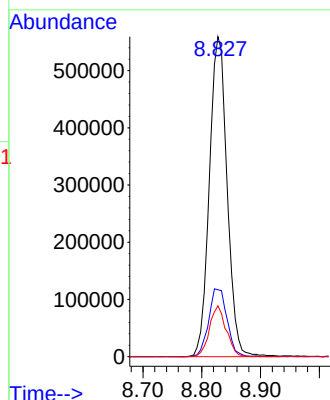
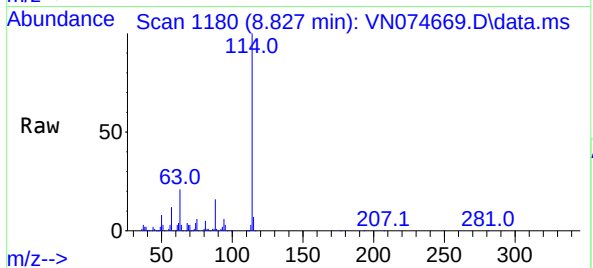
Tgt Ion:114 Resp: 1174444

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.186 ug/l

RT: 7.863 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VN074669.D

Acq: 30 Sep 2022 16:04

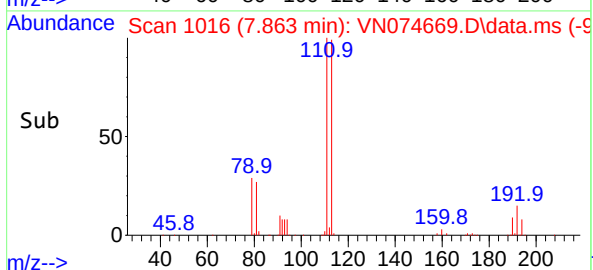
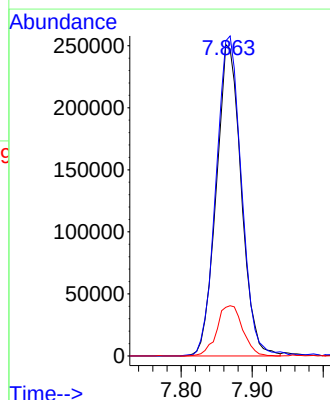
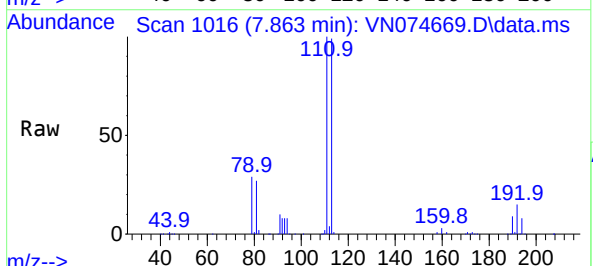
Tgt Ion:113 Resp: 611431

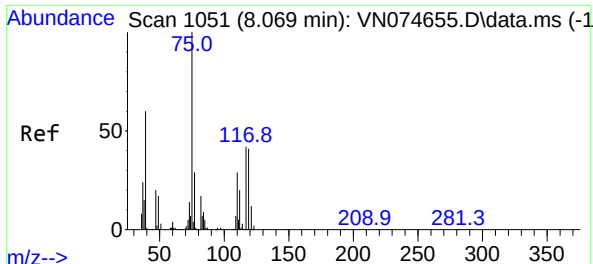
Ion Ratio Lower Upper

113 100

111 104.7 81.4 122.0

192 16.7 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 2.954 ug/l

RT: 7.939 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VN074669.D

Acq: 30 Sep 2022 16:04

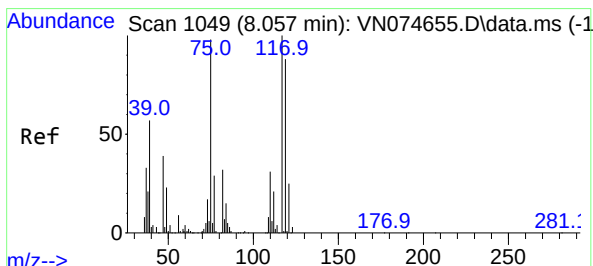
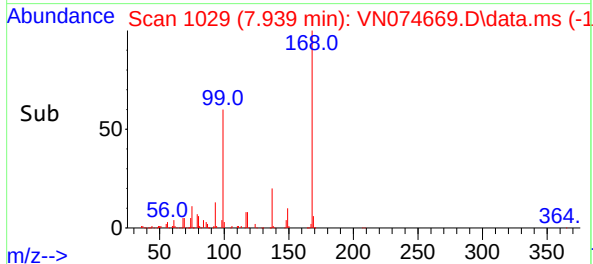
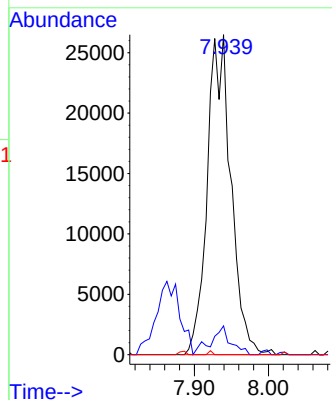
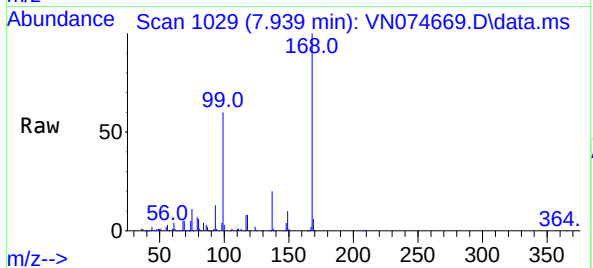
Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-02-140-160-092822

Tgt Ion:	75	Resp:	58813
Ion	Ratio	Lower	Upper
75	100		
110	7.1	18.3	54.8#
77	0.2	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 3.331 ug/l

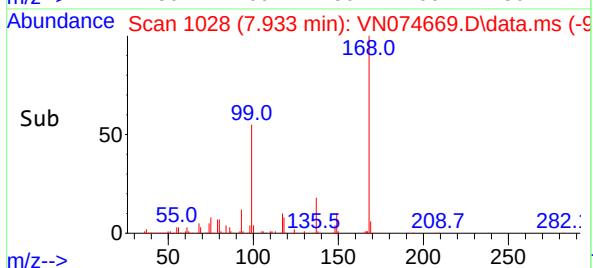
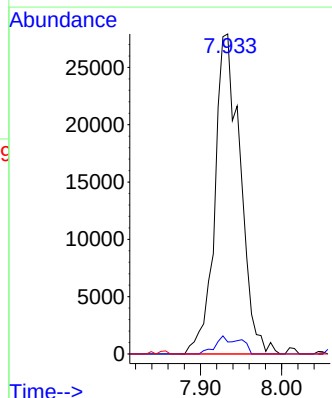
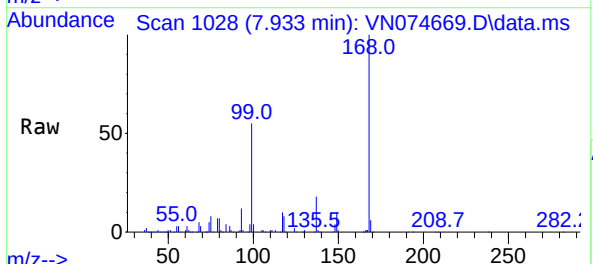
RT: 7.933 min Scan# 1028

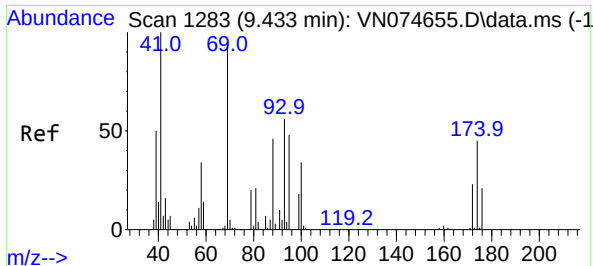
Delta R.T. -0.124 min

Lab File: VN074669.D

Acq: 30 Sep 2022 16:04

Tgt Ion:	117	Resp:	60744
Ion	Ratio	Lower	Upper
117	100		
119	3.7	75.8	113.8#
121	0.0	24.6	37.0#

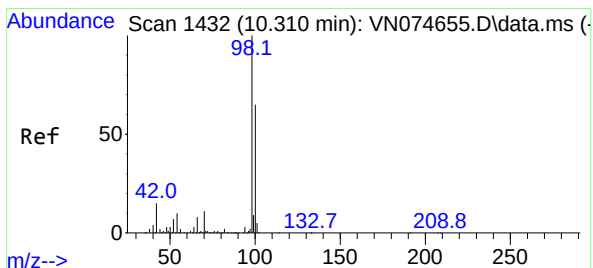
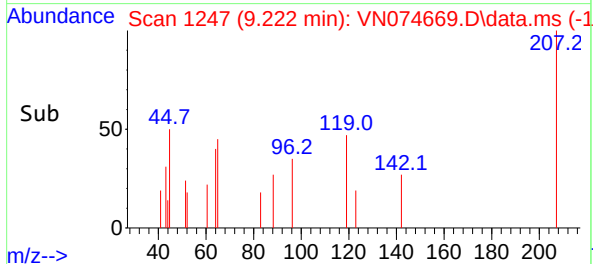
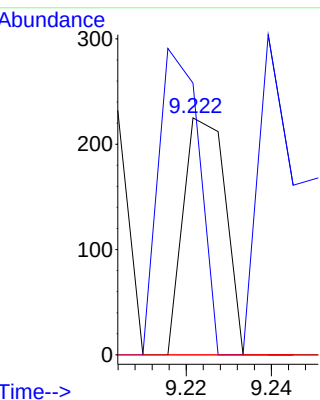
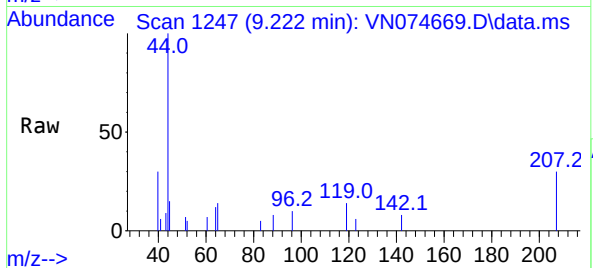




#49
1,4-Dioxane
Concen: 0.416 ug/l
RT: 9.222 min Scan# 11
Delta R.T. -0.211 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

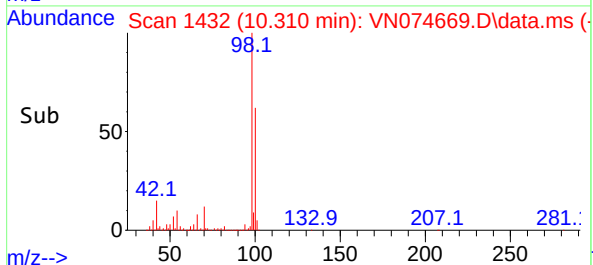
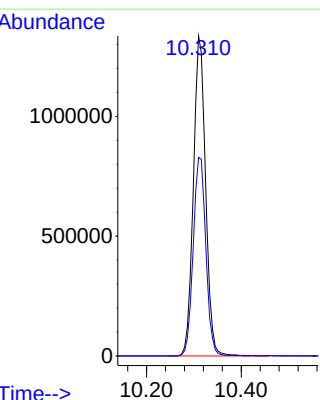
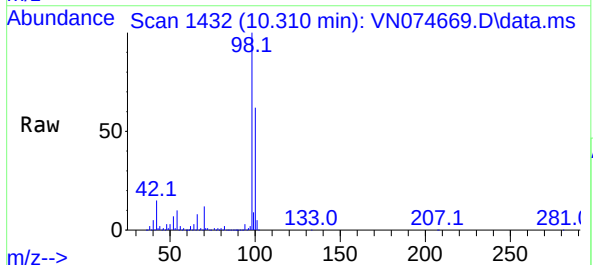
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-02-140-160-092822

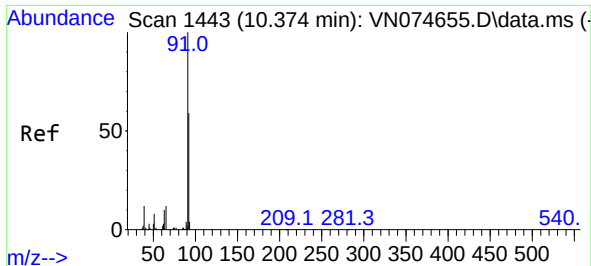
Tgt Ion: 88 Resp: 154
Ion Ratio Lower Upper
88 100
43 126.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 45.676 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

Tgt Ion: 98 Resp: 2388339
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8

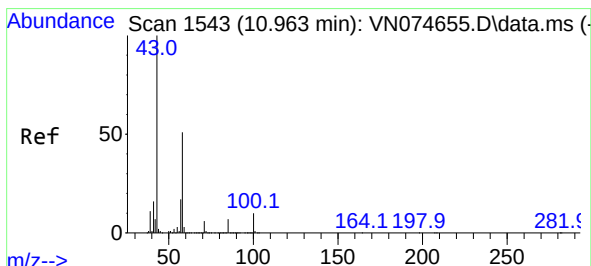
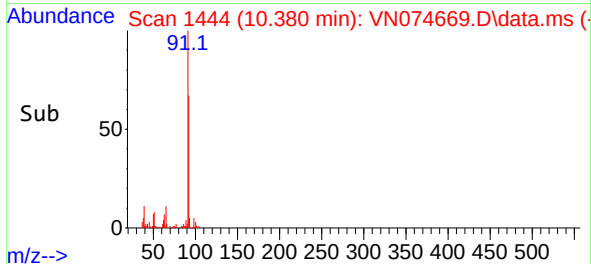
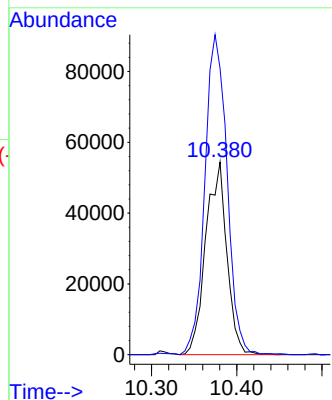
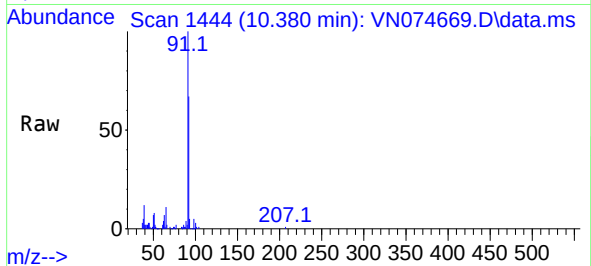




#52
Toluene
Concen: 2.532 ug/l
RT: 10.380 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

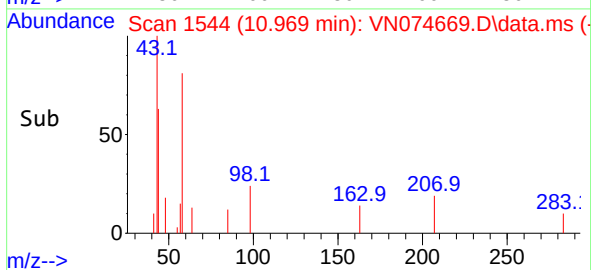
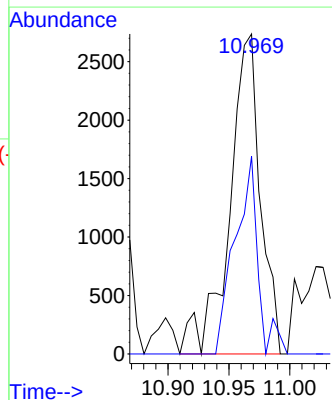
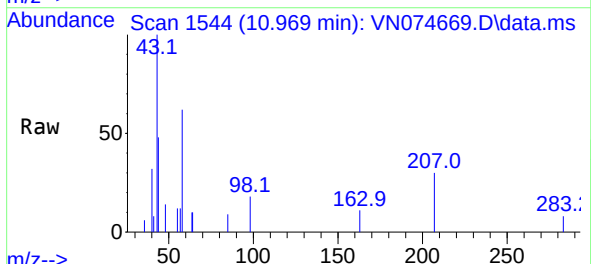
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-02-140-160-092822

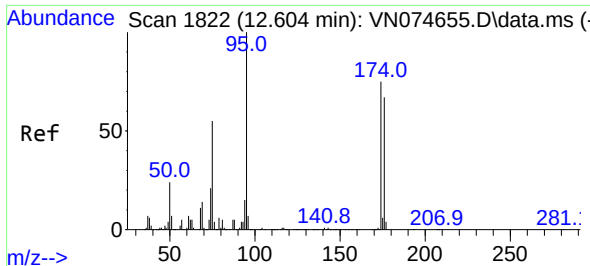
Tgt Ion: 92 Resp: 93793
Ion Ratio Lower Upper
92 100
91 174.3 138.6 207.8



#59
2-Hexanone
Concen: 0.215 ug/l
RT: 10.969 min Scan# 1544
Delta R.T. 0.006 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

Tgt Ion: 43 Resp: 4848
Ion Ratio Lower Upper
43 100
58 46.0 29.7 89.1

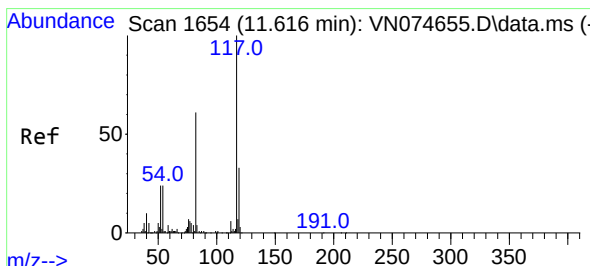
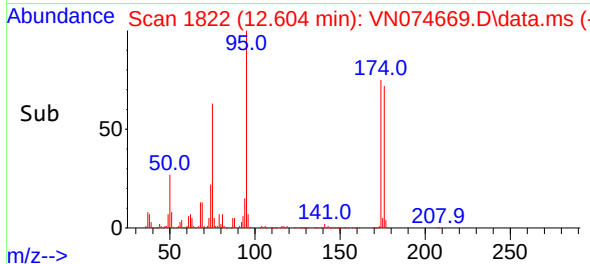
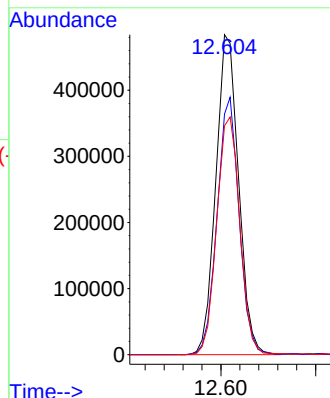
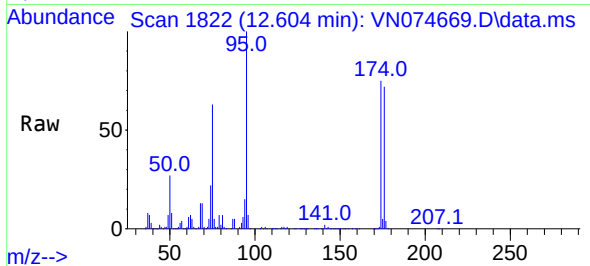




#62
4-Bromofluorobenzene
Concen: 48.661 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

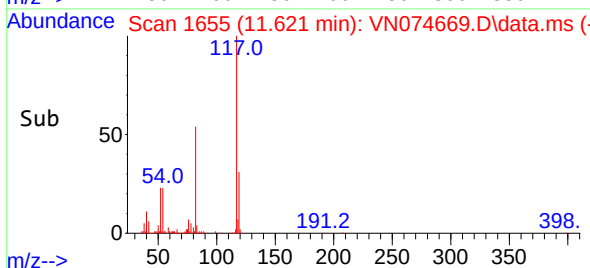
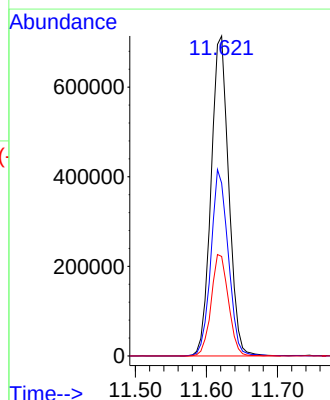
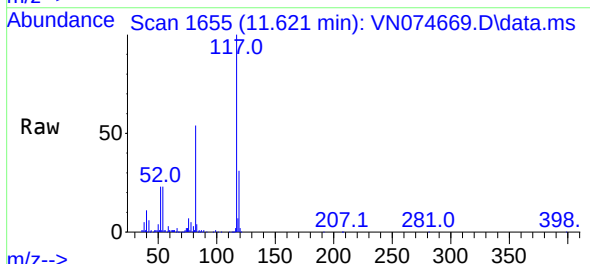
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-02-140-160-092822

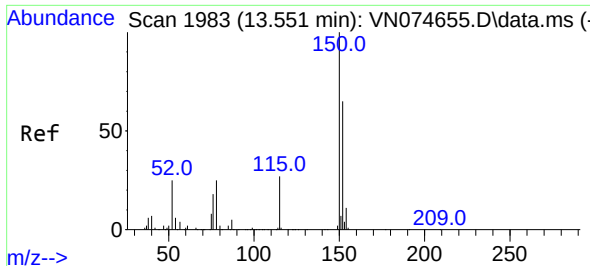
Tgt Ion: 95 Resp: 806802
Ion Ratio Lower Upper
95 100
174 77.8 0.0 167.6
176 75.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.621 min Scan# 1655
Delta R.T. 0.005 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

Tgt Ion: 117 Resp: 1230984
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 31.1 25.4 38.0

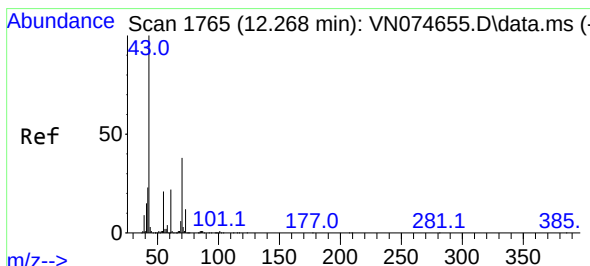
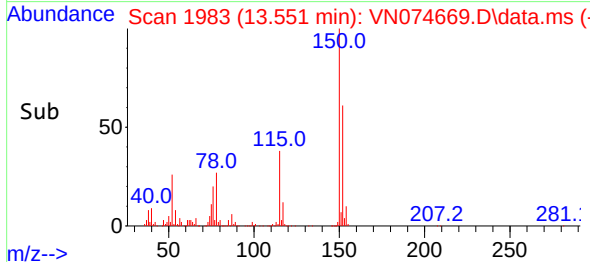
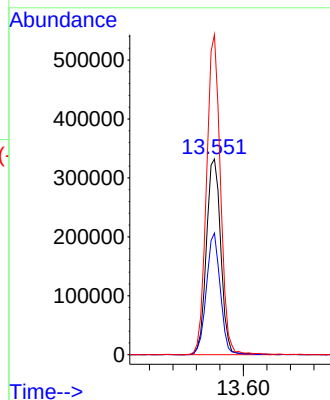
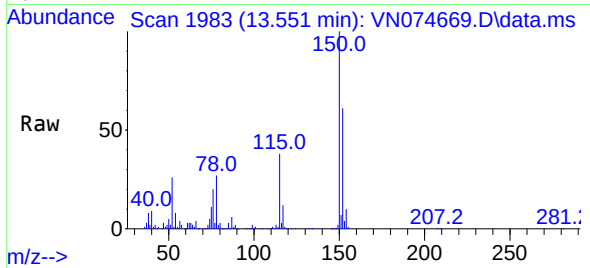




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

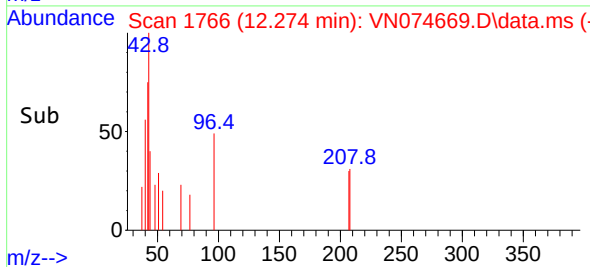
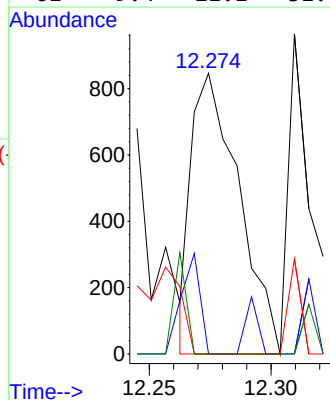
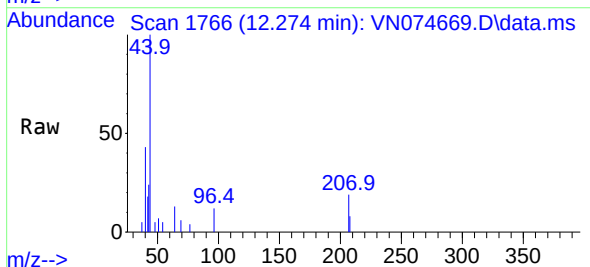
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-02-140-160-092822

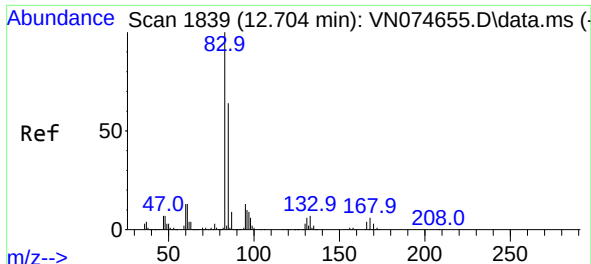
Tgt Ion:152 Resp: 562171
Ion Ratio Lower Upper
152 100
115 60.3 28.9 86.7
150 158.4 0.0 356.2



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.274 min Scan# 1766
Delta R.T. 0.006 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
70 14.3 39.0 58.4#
55 25.7 21.1 31.7
61 9.4 21.1 31.7#

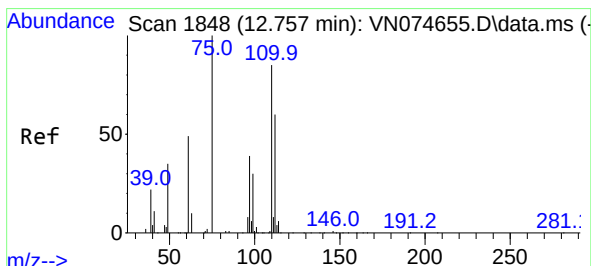
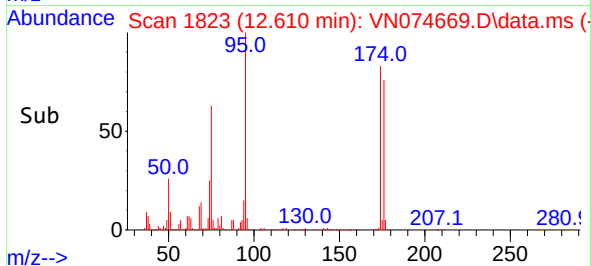
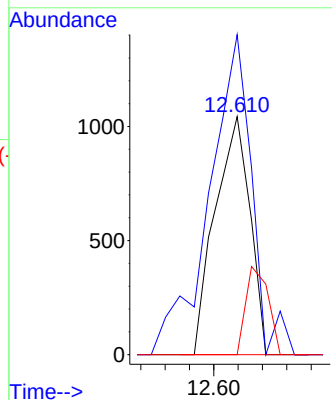
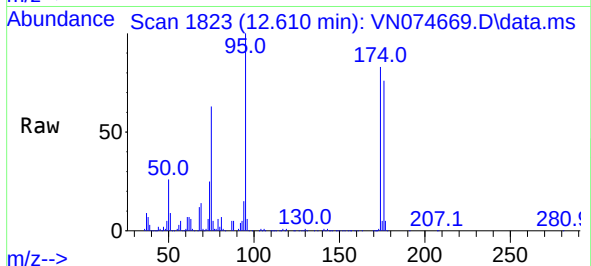




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.610 min Scan# 1823
Delta R.T. -0.094 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

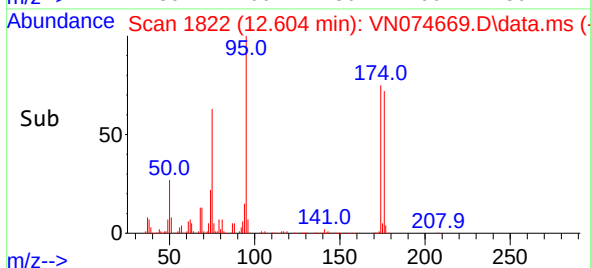
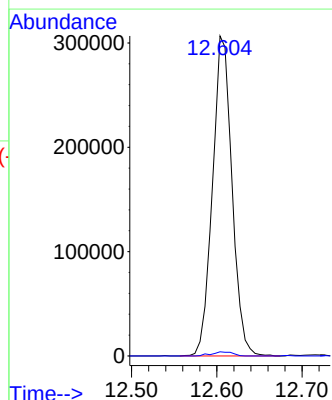
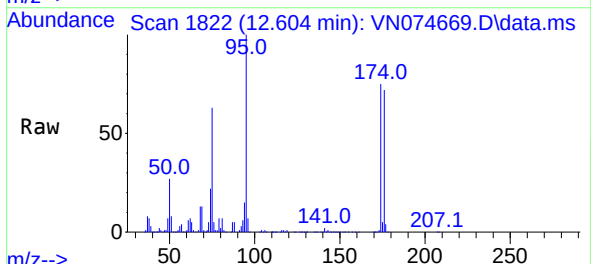
Instrument : MSVOA_N
ClientSampleId : GWOW-BR-02-140-160-092822

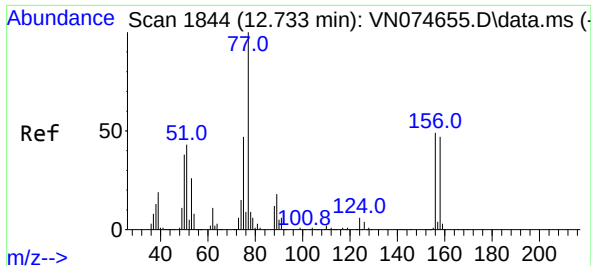
Tgt Ion: 83 Resp: 1032
Ion Ratio Lower Upper
83 100
131 163.8 5.3 15.9#
85 23.7 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 38.250 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

Tgt Ion: 75 Resp: 487815
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#

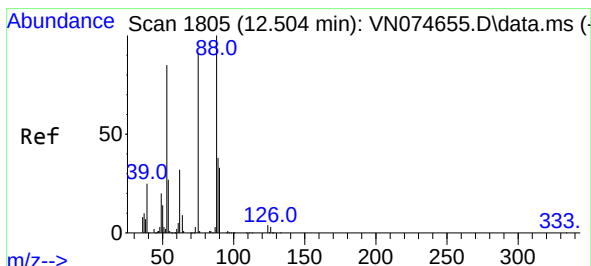
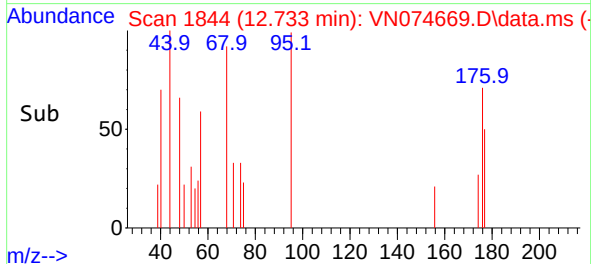
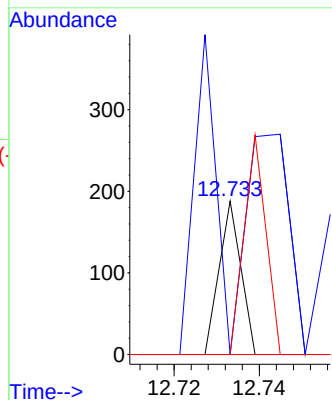
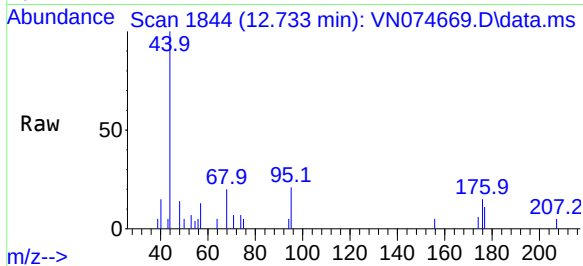




#77
Bromobenzene
Concen: Below Cal
RT: 12.733 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

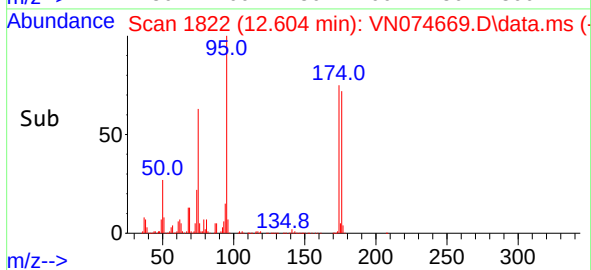
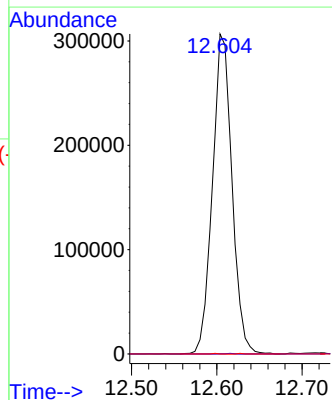
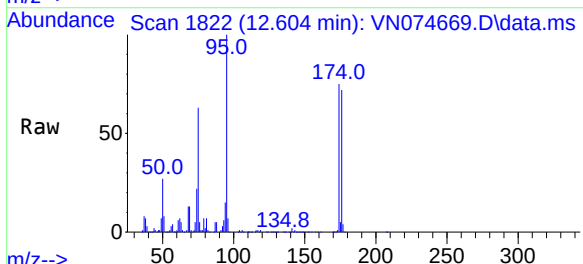
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-02-140-160-092822

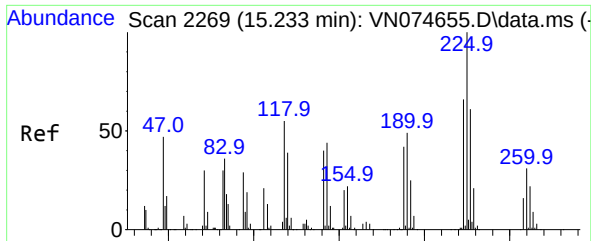
Tgt Ion:156 Resp: 66
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 143.9 48.9 146.6



#81
trans-1,4-Dichloro-2-butene
Concen: 72.514 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

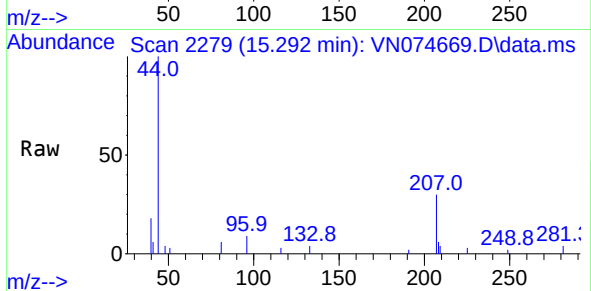
Tgt Ion: 75 Resp: 487815
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.292 min Scan# 21
Delta R.T. 0.059 min
Lab File: VN074669.D
Acq: 30 Sep 2022 16:04

Instrument : MSVOA_N
ClientSampleId : GWOW-BR-02-140-160-092822



Tgt Ion:	225	Resp:	79
Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.4	97.2#
227	0.0	31.8	95.4#

