

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074696.D
 Acq On : 01 Oct 2022 07:38
 Operator : JC\MD
 Sample : N4882-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-111

Quant Time: Oct 03 02:12:52 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)

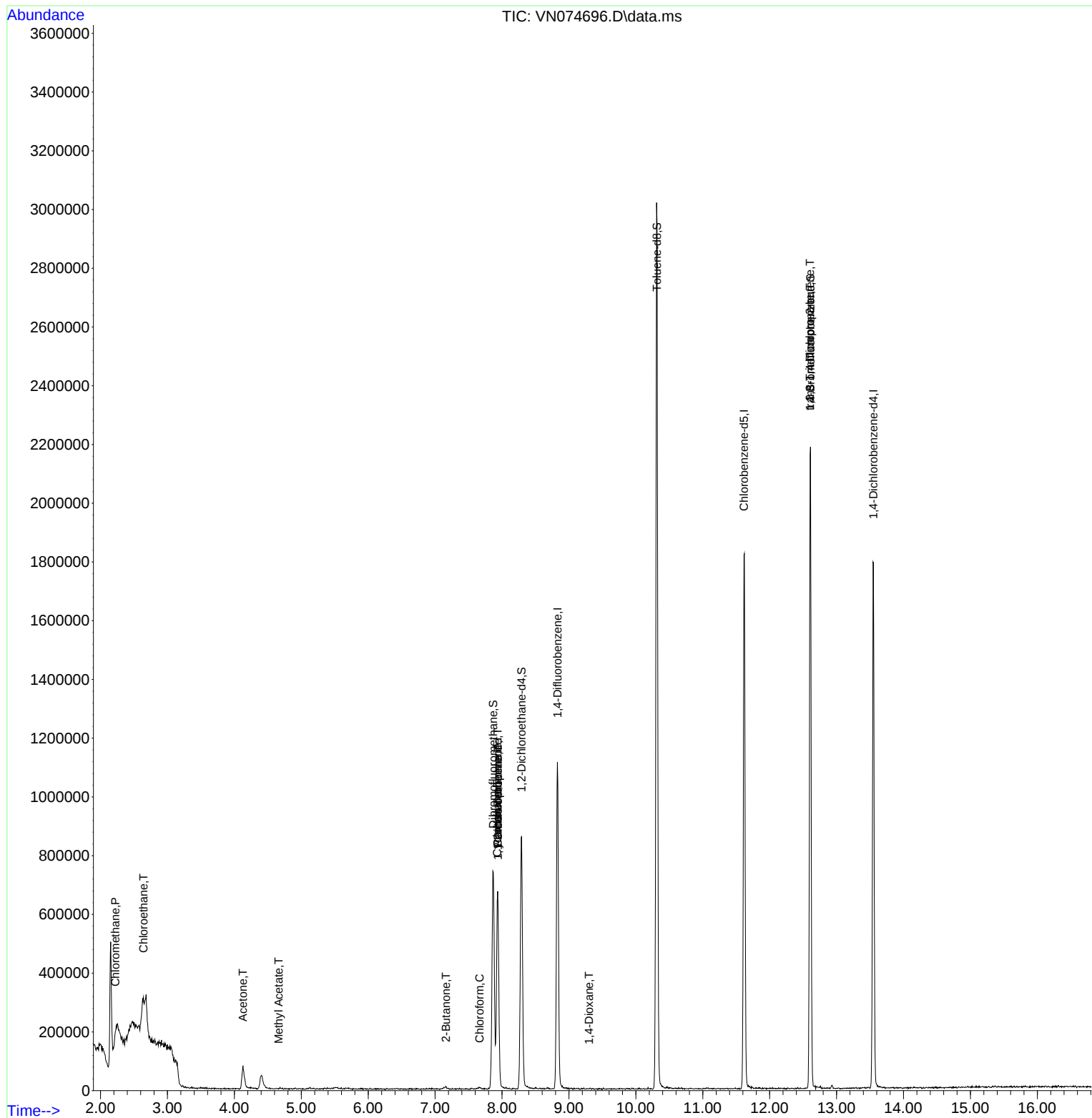
Internal Standards						
1) Pentafluorobenzene	7.934	168	492751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	943512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	950617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	447020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.292	65	638936	51.738	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.480%	
35) Dibromofluoromethane	7.869	113	520328	52.102	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.200%	
50) Toluene-d8	10.316	98	1947999	46.373	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.740%	
62) 4-Bromofluorobenzene	12.610	95	652168	48.962	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.222	50	3525	0.234	ug/l	90
6) Chloroethane	2.640	64	22121	1.314	ug/l #	62
8) Diethyl Ether	3.922	74	144	Below Cal		56
13) Acrolein	3.899	56	468	Below Cal		96
16) Acetone	4.128	43	122875	15.339	ug/l	97
18) Methyl Acetate	4.663	43	4785	0.210	ug/l #	59
20) Methylene Chloride	4.881	84	433	Below Cal	#	50
25) 2-Butanone	7.163	43	3857	0.339	ug/l	99
30) Chloroform	7.663	83	5403	0.284	ug/l	98
31) Cyclohexane	7.928	56	15133	0.754	ug/l #	57
36) 1,1-Dichloropropene	7.939	75	44487	2.782	ug/l #	48
38) Carbon Tetrachloride	7.934	117	52610	3.591	ug/l #	14
49) 1,4-Dioxane	9.298	88	127	0.427	ug/l #	1
74) N-amyl acetate	12.274	43	65	Below Cal	#	39
75) 1,1,2,2-Tetrachloroethane	12.639	83	76	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.604	75	386574	38.110	ug/l #	1
77) Bromobenzene	12.604	156	288	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	386574	72.267	ug/l #	11

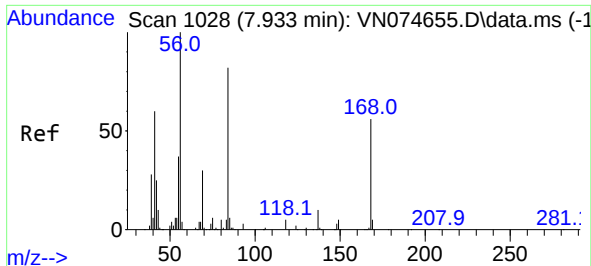
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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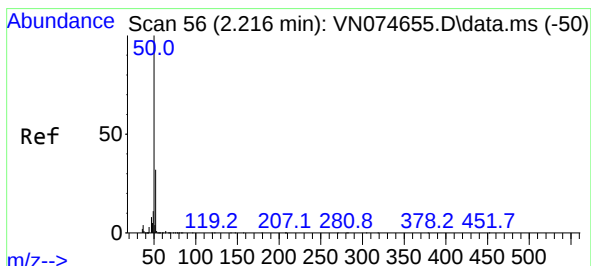
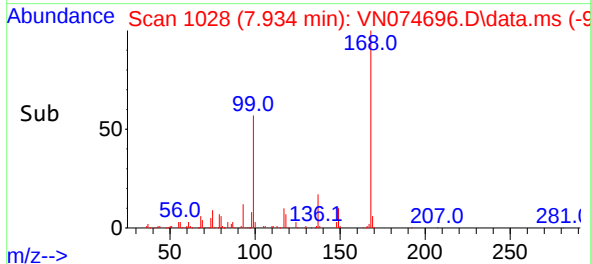
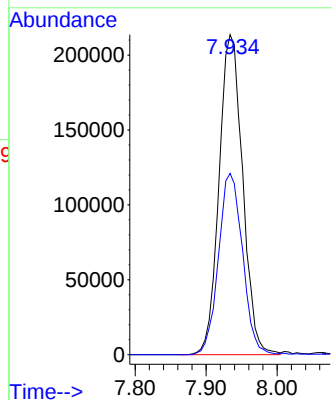
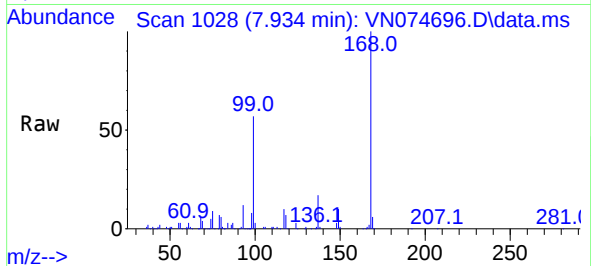




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

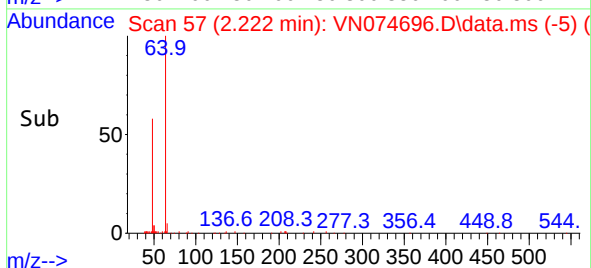
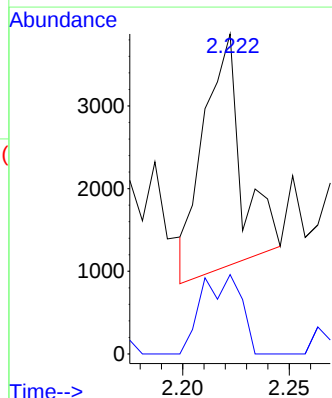
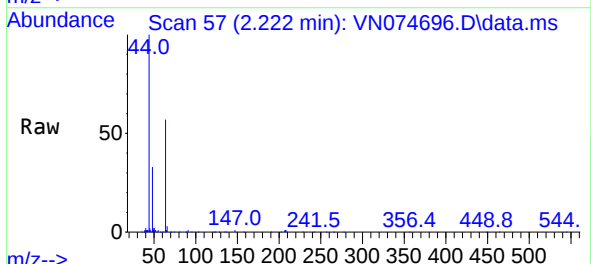
Instrument :
MSVOA_N
ClientSampleId :
MW-111

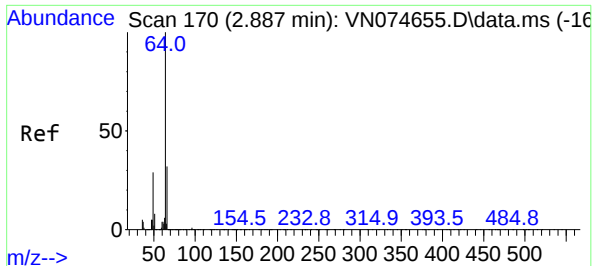
Tgt Ion:168 Resp: 492751
Ion Ratio Lower Upper
168 100
99 56.7 42.3 63.5



#3
Chloromethane
Concen: 0.234 ug/l
RT: 2.222 min Scan# 57
Delta R.T. 0.006 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

Tgt Ion: 50 Resp: 3525
Ion Ratio Lower Upper
50 100
52 37.4 25.7 38.5

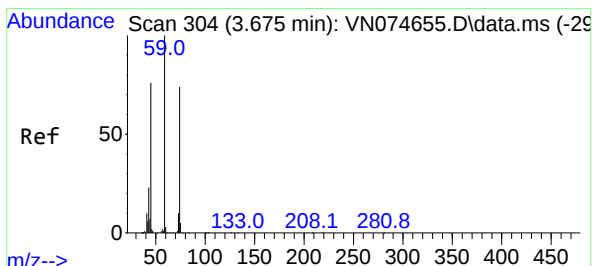
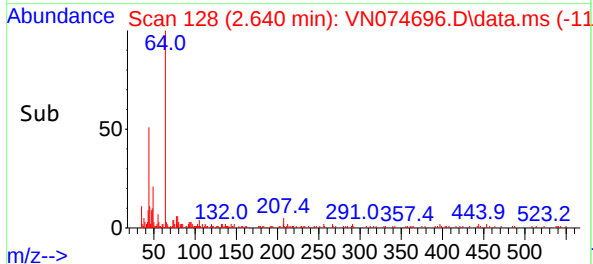
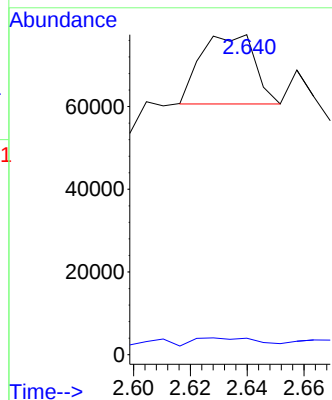
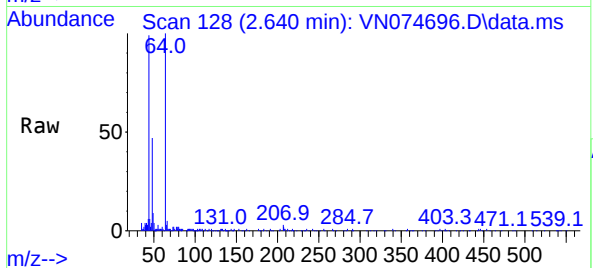




#6
Chloroethane
Concen: 1.314 ug/l
RT: 2.640 min Scan# 11
Delta R.T. -0.247 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

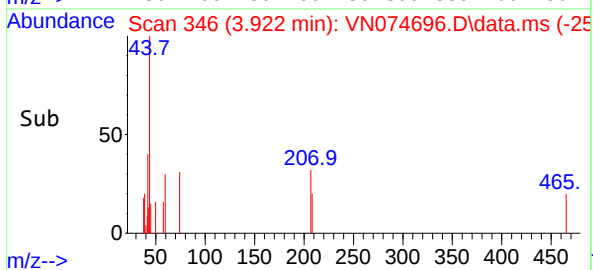
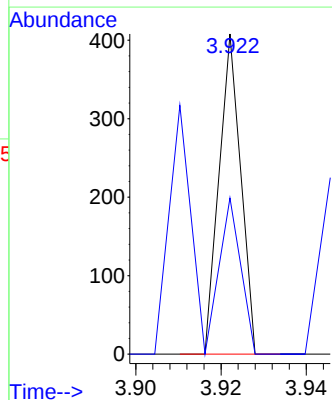
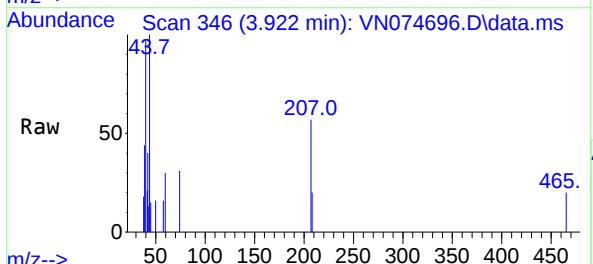
Instrument :
MSVOA_N
ClientSampleId :
MW-111

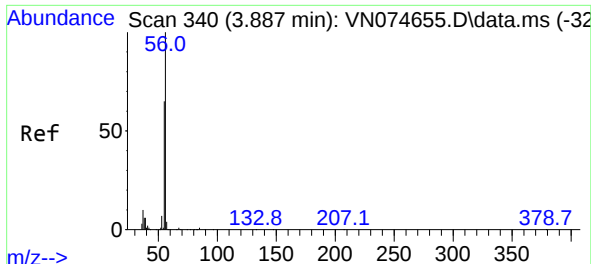
Tgt Ion: 64 Resp: 22121
Ion Ratio Lower Upper
64 100
66 11.3 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.922 min Scan# 346
Delta R.T. 0.247 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

Tgt Ion: 74 Resp: 144
Ion Ratio Lower Upper
74 100
45 126.4 42.9 128.5

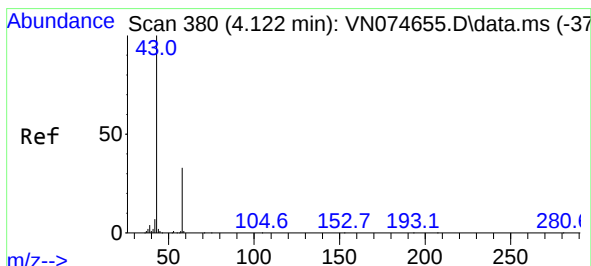
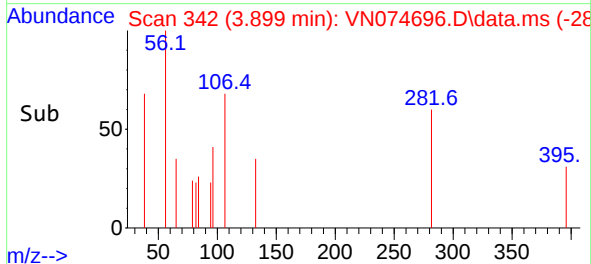
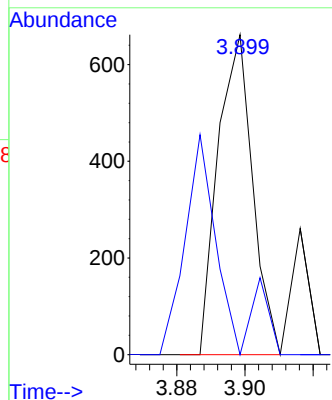
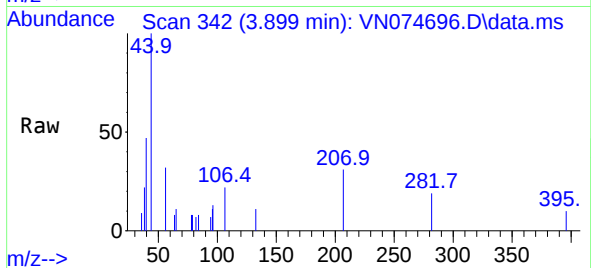




#13
Acrolein
Concen: Below Cal
RT: 3.899 min Scan# 341
Delta R.T. 0.012 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

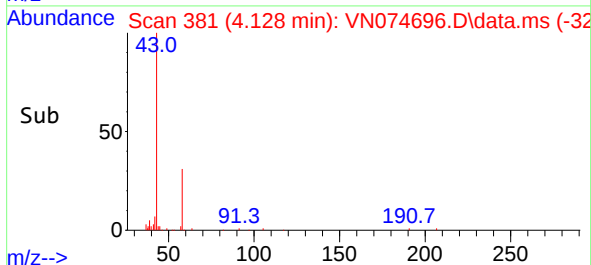
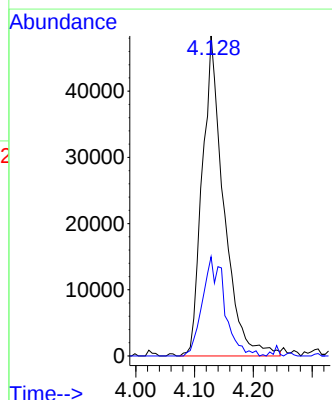
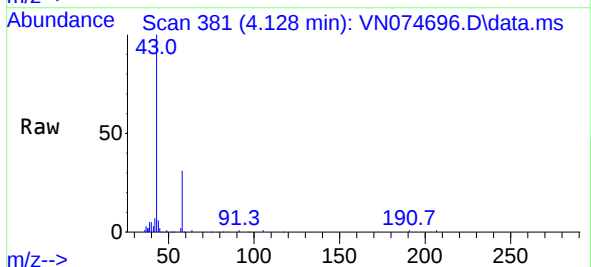
Instrument :
MSVOA_N
ClientSampleId :
MW-111

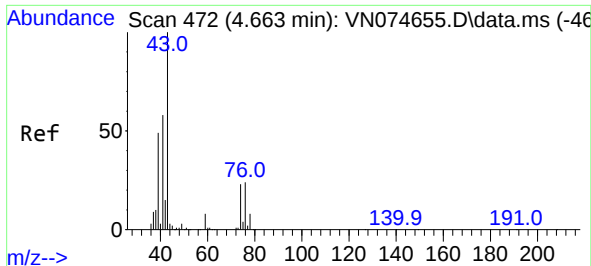
Tgt Ion: 56 Resp: 468
Ion Ratio Lower Upper
56 100
55 72.0 54.8 82.2



#16
Acetone
Concen: 15.339 ug/l
RT: 4.128 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

Tgt Ion: 43 Resp: 122875
Ion Ratio Lower Upper
43 100
58 31.0 26.0 39.0

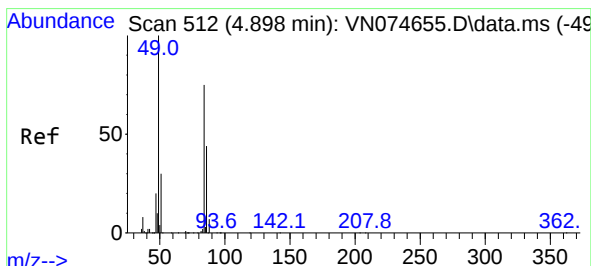
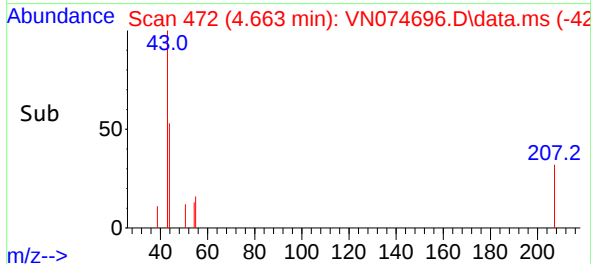
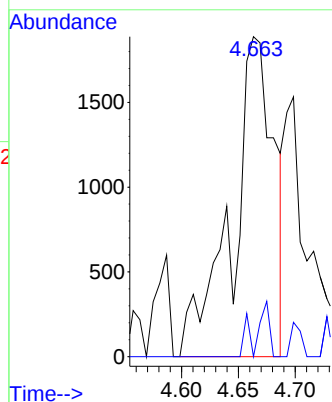
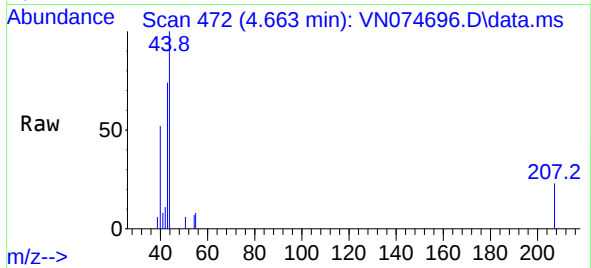




#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 4.663 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

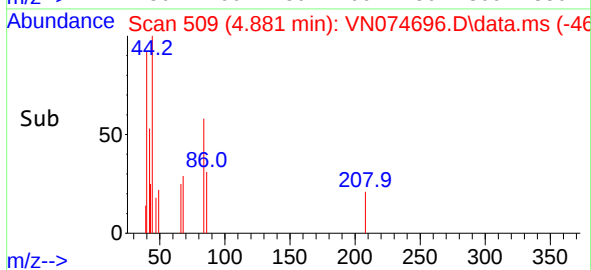
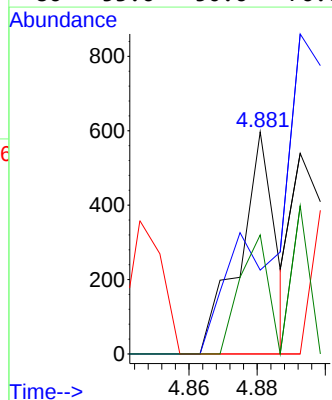
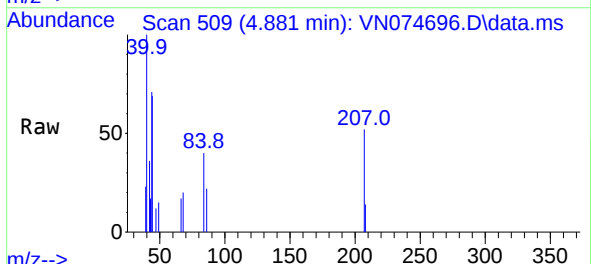
Instrument :
MSVOA_N
ClientSampleId :
MW-111

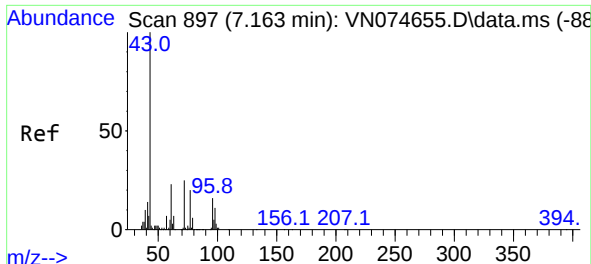
Tgt Ion: 43 Resp: 4785
Ion Ratio Lower Upper
43 100
74 5.8 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.881 min Scan# 509
Delta R.T. -0.017 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

Tgt Ion: 84 Resp: 433
Ion Ratio Lower Upper
84 100
49 37.7 88.3 132.5#
51 0.0 28.2 42.2#
86 53.6 50.6 76.0





#25

2-Butanone

Concen: 0.339 ug/l

RT: 7.163 min Scan# 897

Delta R.T. 0.000 min

Lab File: VN074696.D

Acq: 01 Oct 2022 07:38

Instrument :

MSVOA_N

ClientSampleId :

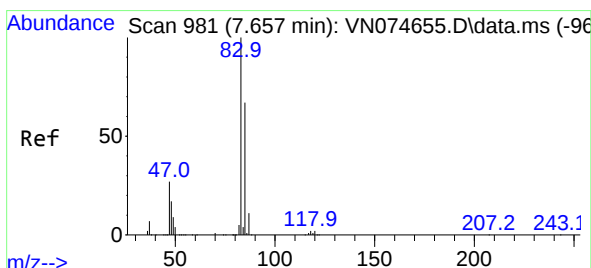
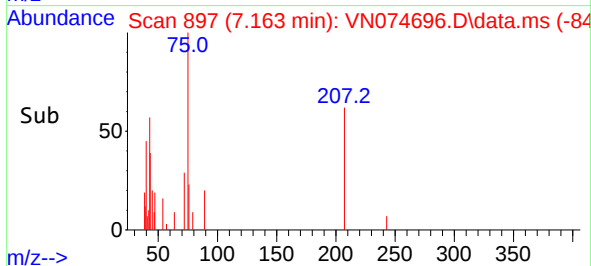
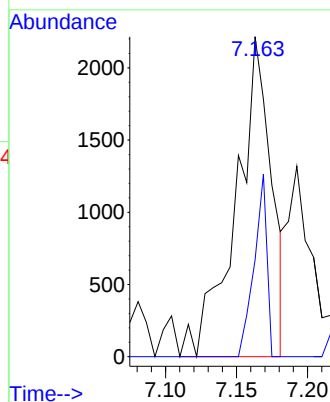
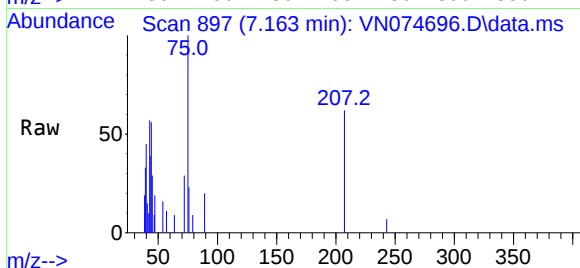
MW-111

Tgt Ion: 43 Resp: 3857

Ion Ratio Lower Upper

43 100

72 30.2 23.7 35.5



#30

Chloroform

Concen: 0.284 ug/l

RT: 7.663 min Scan# 982

Delta R.T. 0.006 min

Lab File: VN074696.D

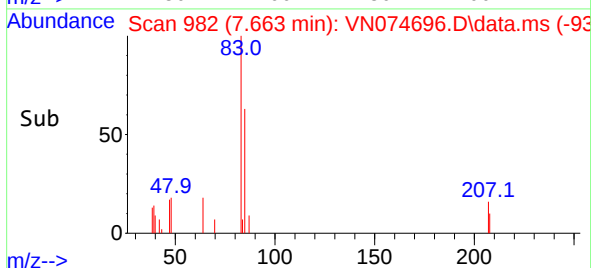
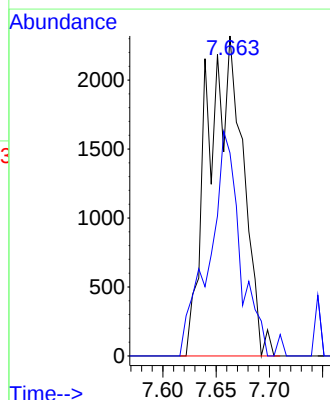
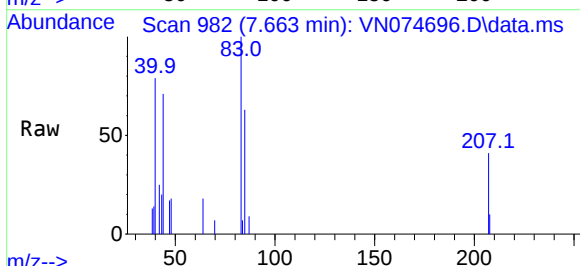
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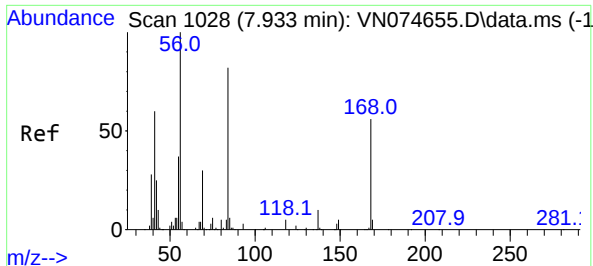
Tgt Ion: 83 Resp: 5403

Ion Ratio Lower Upper

83 100

85 63.4 51.8 77.8





#31

Cyclohexane

Concen: 0.754 ug/l

RT: 7.928 min Scan# 1027

Delta R.T. -0.005 min

Lab File: VN074696.D

Acq: 01 Oct 2022 07:38

Instrument :

MSVOA_N

ClientSampleId :

MW-111

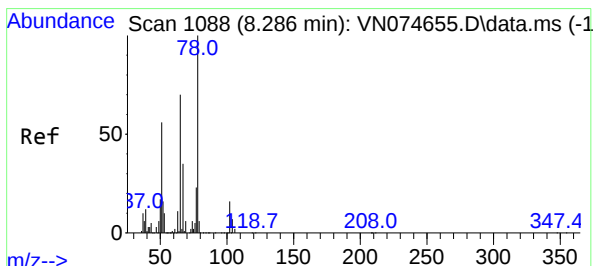
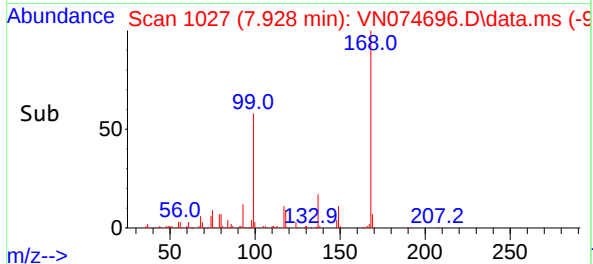
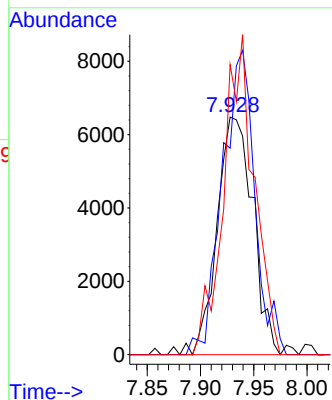
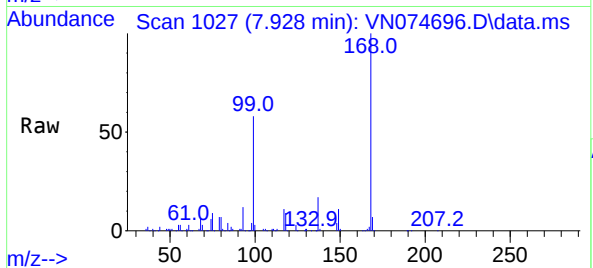
Tgt Ion: 56 Resp: 15133

Ion Ratio Lower Upper

56 100

69 86.8 27.8 41.8#

84 122.1 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 51.738 ug/l

RT: 8.292 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VN074696.D

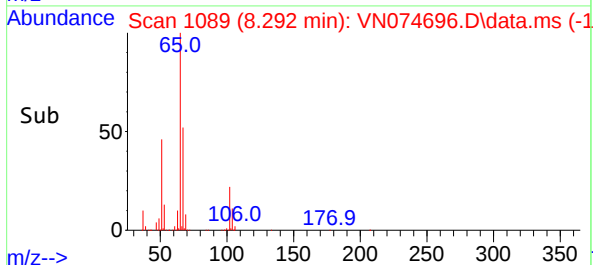
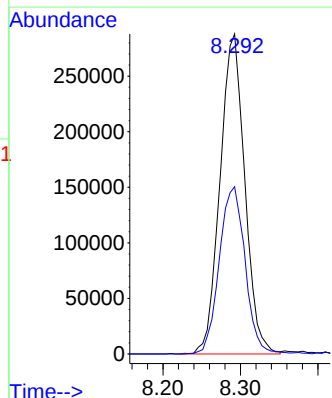
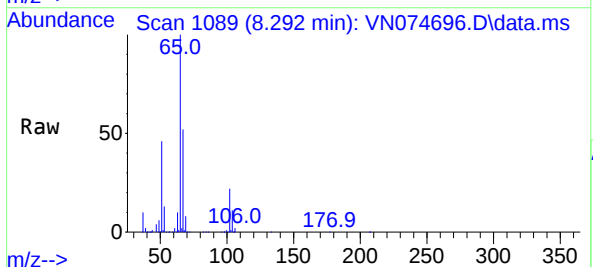
Acq: 01 Oct 2022 07:38

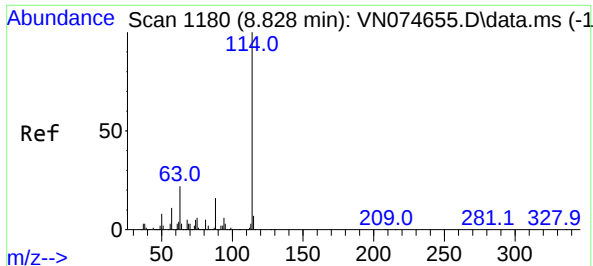
Tgt Ion: 65 Resp: 638936

Ion Ratio Lower Upper

65 100

67 54.7 0.0 104.8



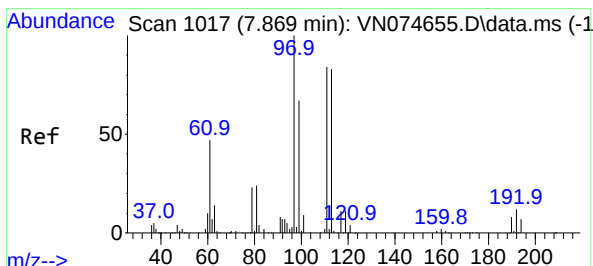
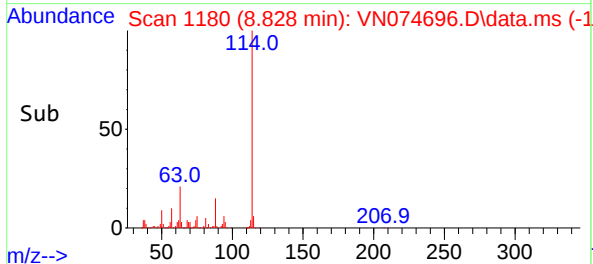
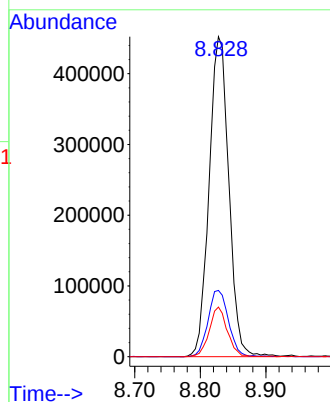
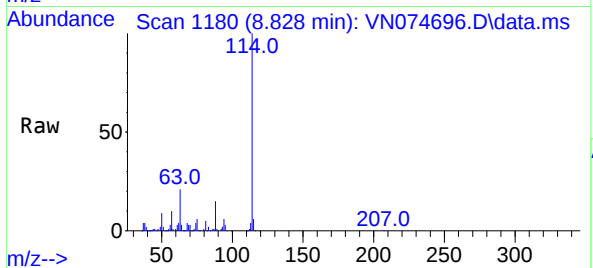


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

Instrument :
MSVOA_N
ClientSampleId :
MW-111

Tgt Ion:114 Resp: 943512

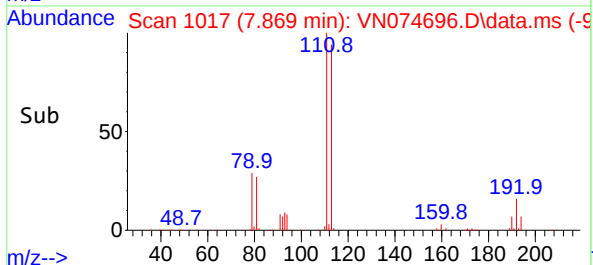
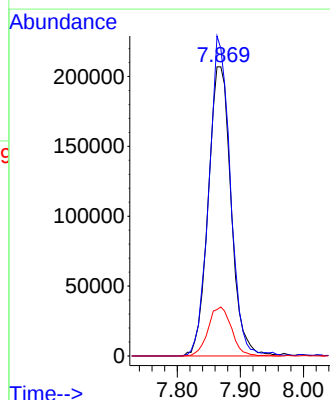
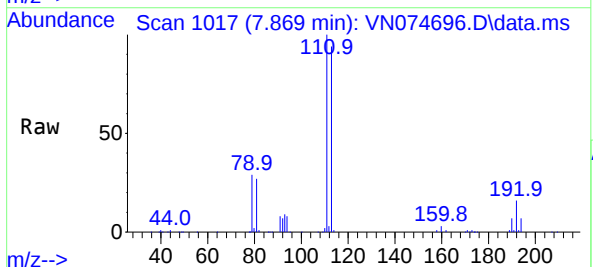
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.0
88	15.5	0.0	32.6

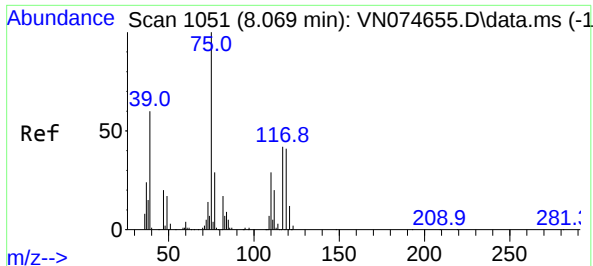


#35
Dibromofluoromethane
Concen: 52.102 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

Tgt Ion:113 Resp: 520328

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.4	122.0
192	17.3	17.0	25.6

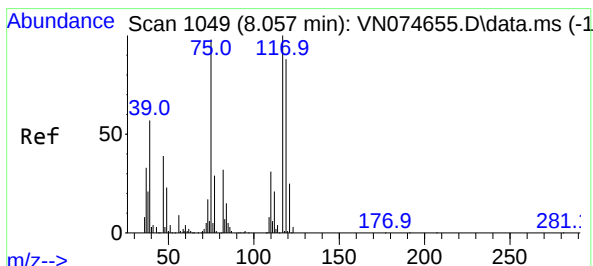
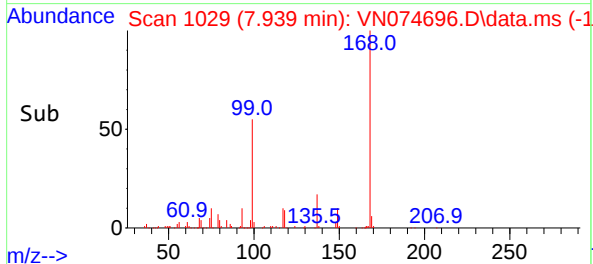
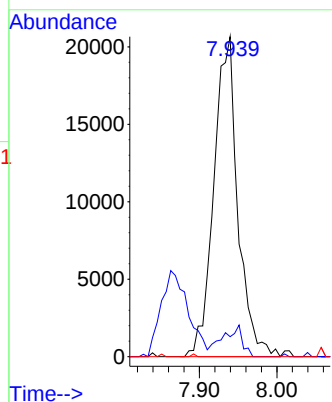
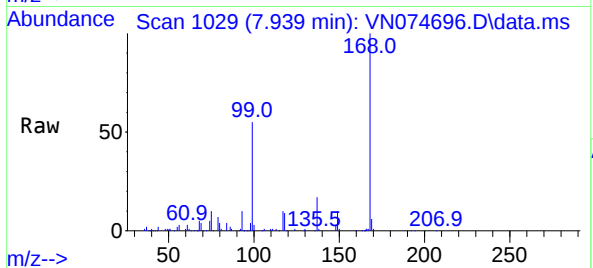




#36
1,1-Dichloropropene
Concen: 2.782 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. -0.130 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

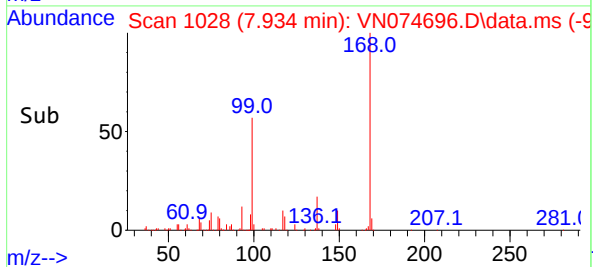
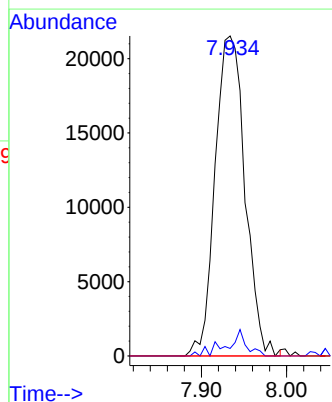
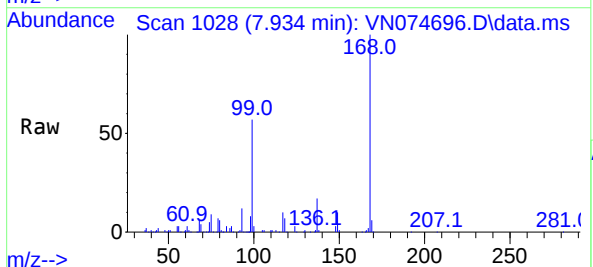
Instrument :
MSVOA_N
ClientSampleId :
MW-111

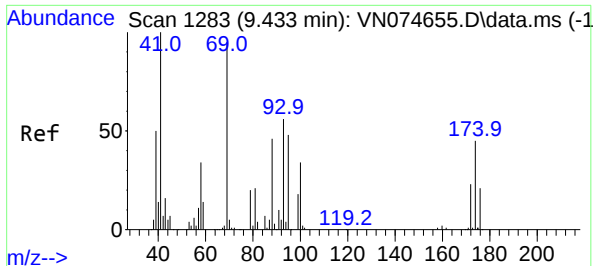
Tgt Ion: 75 Resp: 44487
Ion Ratio Lower Upper
75 100
110 8.2 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 3.591 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

Tgt Ion: 117 Resp: 52610
Ion Ratio Lower Upper
117 100
119 2.3 75.8 113.8#
121 0.0 24.6 37.0#

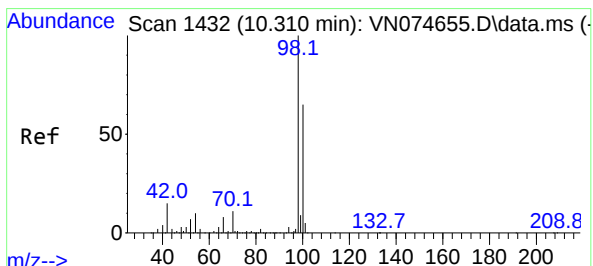
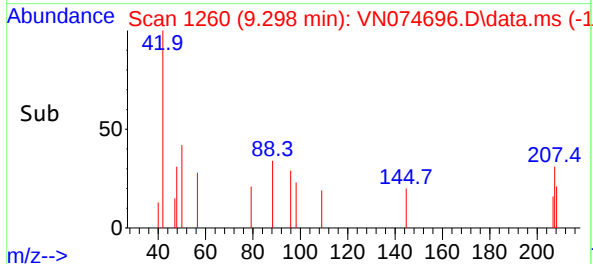
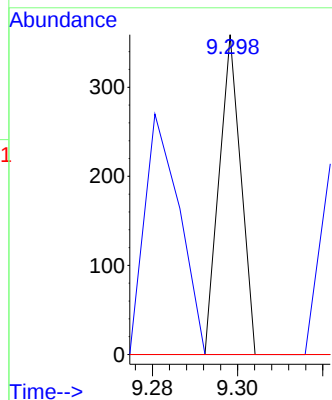
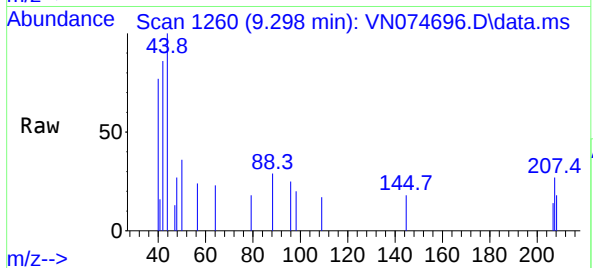




#49
1,4-Dioxane
Concen: 0.427 ug/l
RT: 9.298 min Scan# 11
Delta R.T. -0.135 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

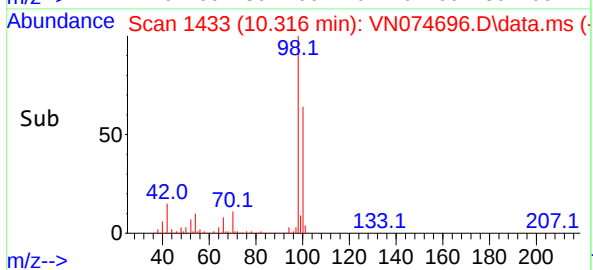
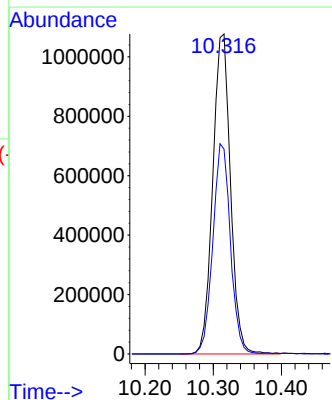
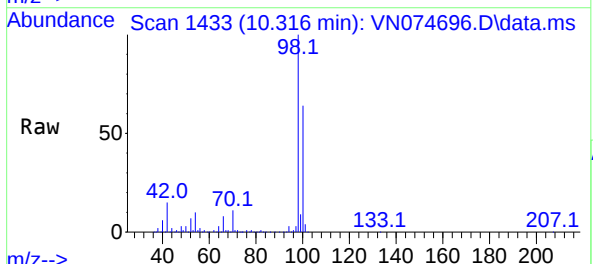
Instrument :
MSVOA_N
ClientSampleId :
MW-111

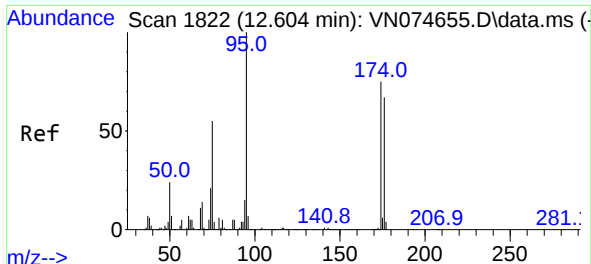
Tgt Ion: 88 Resp: 127
Ion Ratio Lower Upper
88 100
43 120.5 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 46.373 ug/l
RT: 10.316 min Scan# 1433
Delta R.T. 0.006 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

Tgt Ion: 98 Resp: 1947999
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

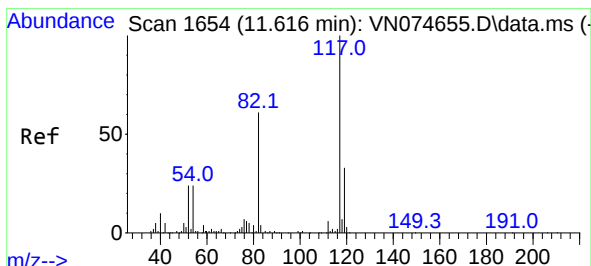
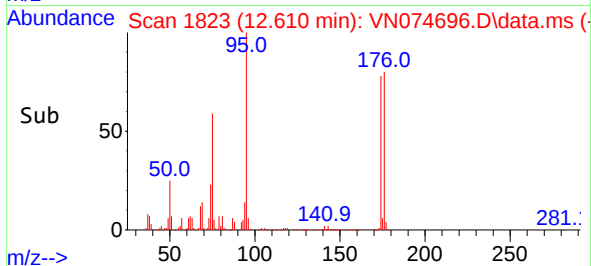
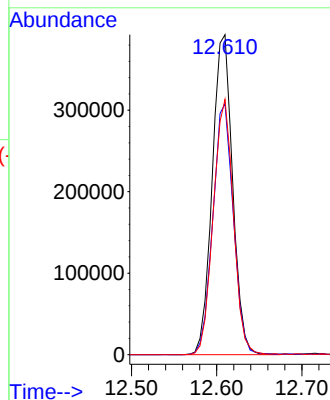
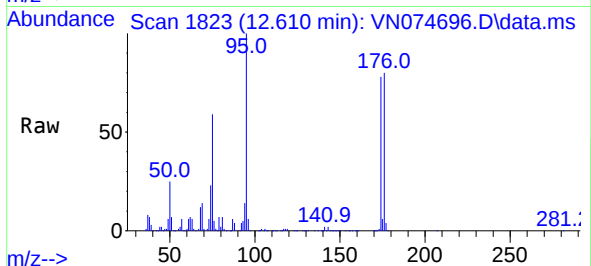




#62
4-Bromofluorobenzene
Concen: 48.962 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

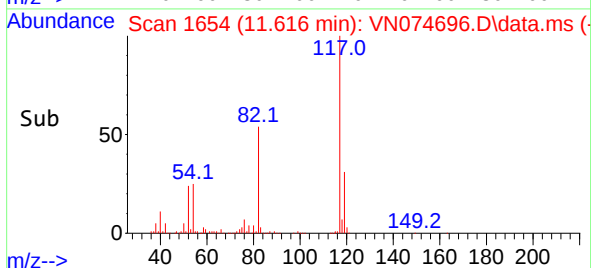
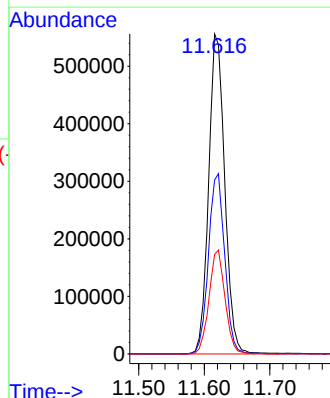
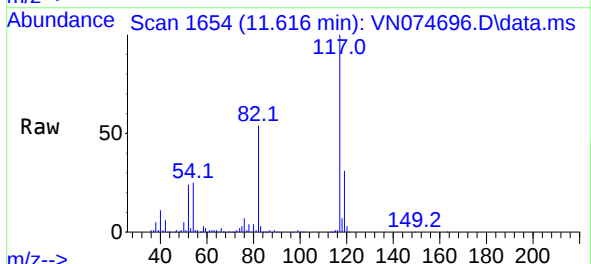
Instrument :
MSVOA_N
ClientSampleId :
MW-111

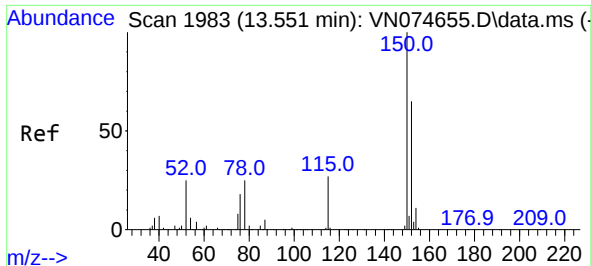
Tgt Ion: 95 Resp: 652168
Ion Ratio Lower Upper
95 100
174 78.9 0.0 167.6
176 78.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

Tgt Ion: 117 Resp: 950617
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 31.1 25.4 38.0

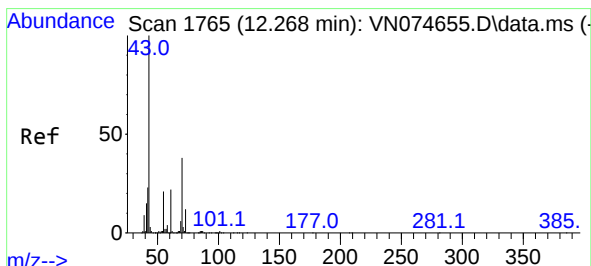
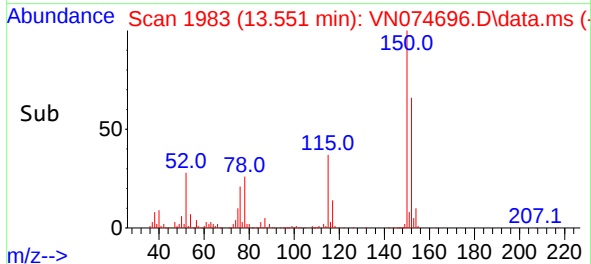
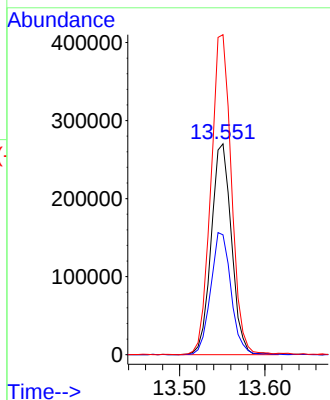
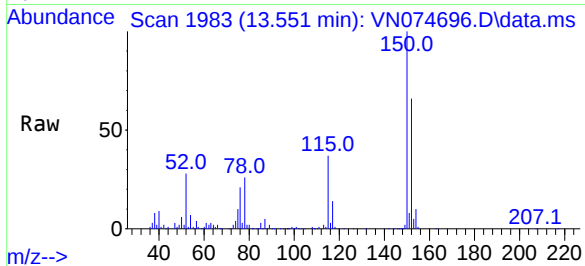




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

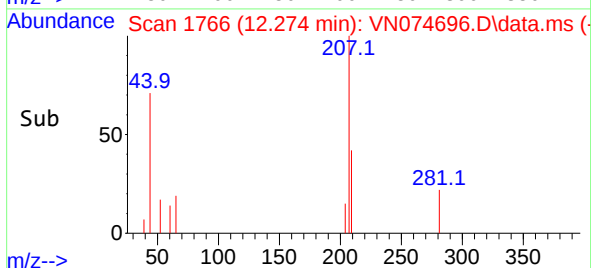
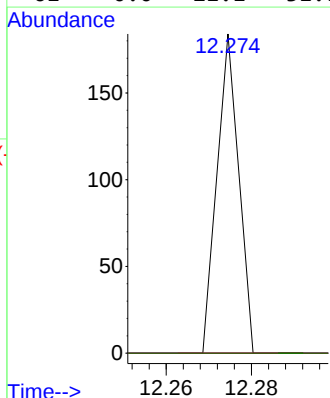
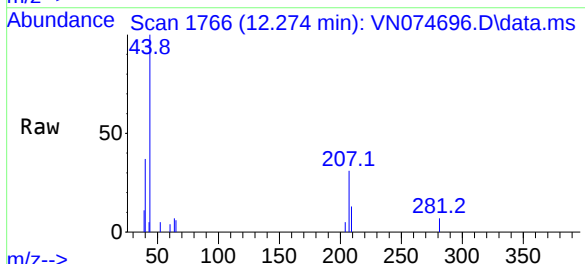
Instrument :
MSVOA_N
ClientSampleId :
MW-111

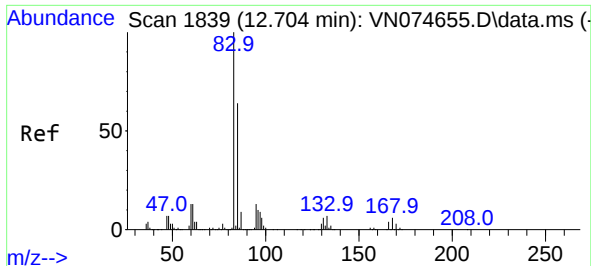
Tgt Ion:152 Resp: 447020
Ion Ratio Lower Upper
152 100
115 58.2 28.9 86.7
150 153.3 0.0 356.2



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.274 min Scan# 1766
Delta R.T. 0.006 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#

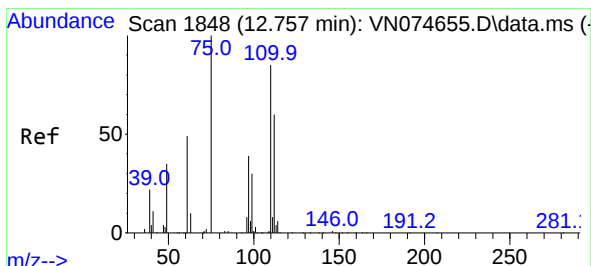
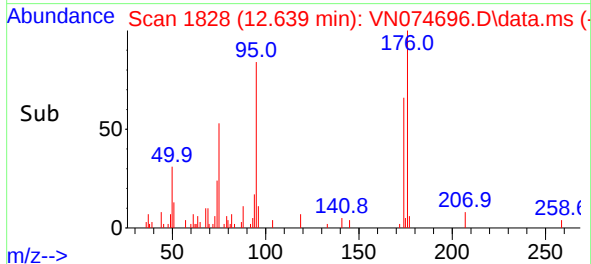
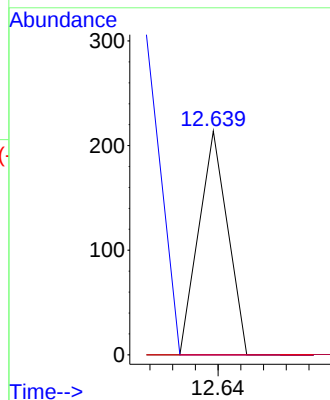
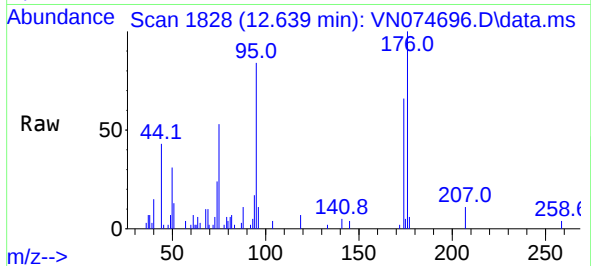




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.639 min Scan# 1822
Delta R.T. -0.065 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

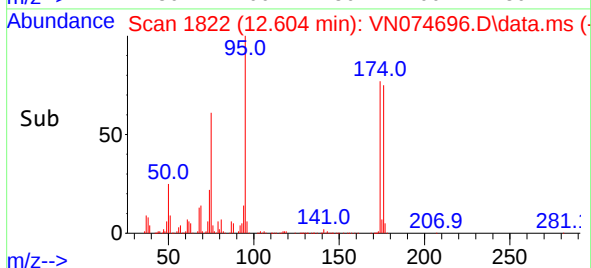
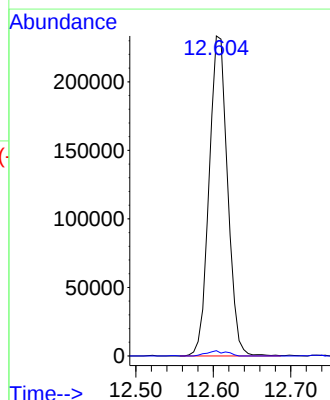
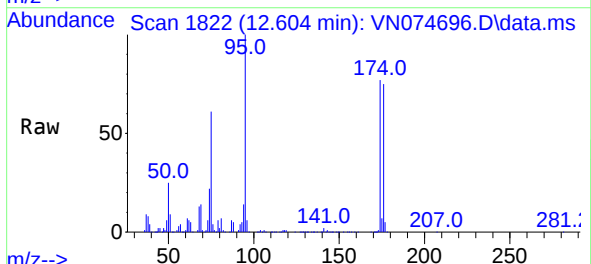
Instrument :
MSVOA_N
ClientSampleId :
MW-111

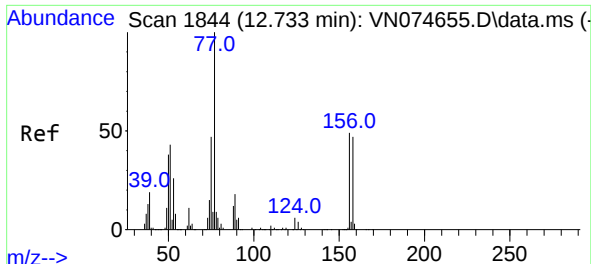
Tgt Ion: 83 Resp: 76
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 38.110 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

Tgt Ion: 75 Resp: 386574
Ion Ratio Lower Upper
75 100
77 1.8 98.5 295.5#

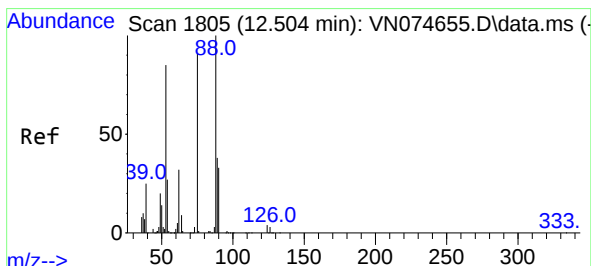
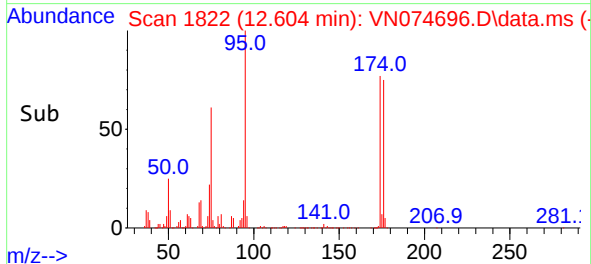
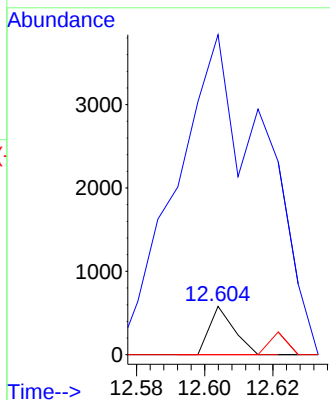
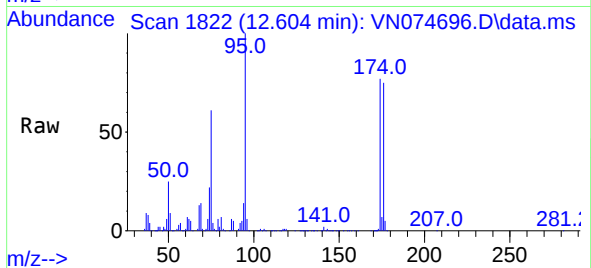




#77
Bromobenzene
Concen: Below Cal
RT: 12.604 min Scan# 1822
Delta R.T. -0.129 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

Instrument :
MSVOA_N
ClientSampleId :
MW-111

Tgt Ion:156 Resp: 288
Ion Ratio Lower Upper
156 100
77 2377.1 100.5 301.5#
158 33.3 48.9 146.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.267 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074696.D
Acq: 01 Oct 2022 07:38

Tgt Ion: 75 Resp: 386574
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#

