

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074695.D
 Acq On : 01 Oct 2022 07:14
 Operator : JC\MD
 Sample : N4882-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-108

Quant Time: Oct 03 02:12:41 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)

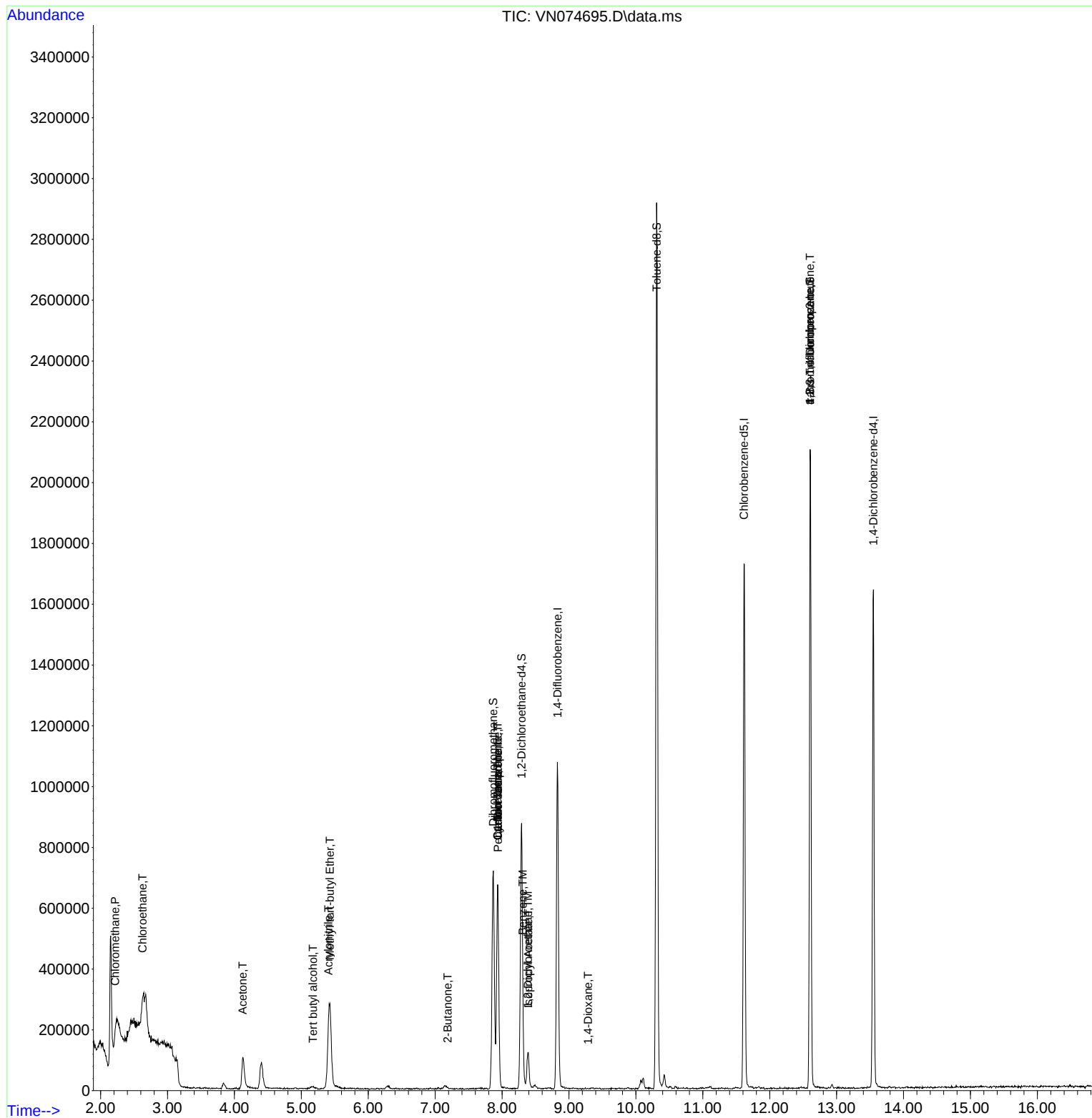
Internal Standards						
1) Pentafluorobenzene	7.939	168	486514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	916996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	900546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	401039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.292	65	636888	52.233	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.460%	
35) Dibromofluoromethane	7.869	113	503440	51.869	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.740%	
50) Toluene-d8	10.310	98	1948296	47.722	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.440%	
62) 4-Bromofluorobenzene	12.604	95	618585	47.784	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.216	50	3466	0.233	ug/l #	75
6) Chloroethane	2.628	64	46701	2.809	ug/l #	45
8) Diethyl Ether	3.475	74	153	Below Cal		76
11) Tert butyl alcohol	5.175	59	14044	4.313	ug/l #	72
13) Acrolein	3.875	56	96	Below Cal	#	16
15) Acrylonitrile	5.404	53	3390	0.441	ug/l #	27
16) Acetone	4.122	43	179191	25.520	ug/l	96
19) Methyl tert-butyl Ether	5.428	73	475150	13.701	ug/l	97
20) Methylene Chloride	4.898	84	994	Below Cal	#	46
25) 2-Butanone	7.187	43	5964	0.531	ug/l #	53
31) Cyclohexane	7.934	56	14923	0.753	ug/l #	45
36) 1,1-Dichloropropene	7.934	75	43068	2.771	ug/l #	50
38) Carbon Tetrachloride	7.934	117	49362	3.466	ug/l #	21
40) Benzene	8.310	78	44478	0.928	ug/l	96
42) 1,2-Dichloroethane	8.386	62	27649	1.718	ug/l	92
43) Isopropyl Acetate	8.392	43	21321	0.580	ug/l #	83
49) 1,4-Dioxane	9.286	88	73	0.253	ug/l #	1
74) N-amyl acetate	12.280	43	567	Below Cal	#	54
75) 1,1,2,2-Tetrachloroethane	12.733	83	69	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.604	75	372272	41.119	ug/l #	1
77) Bromobenzene	12.627	156	200	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	372272	77.572	ug/l #	10

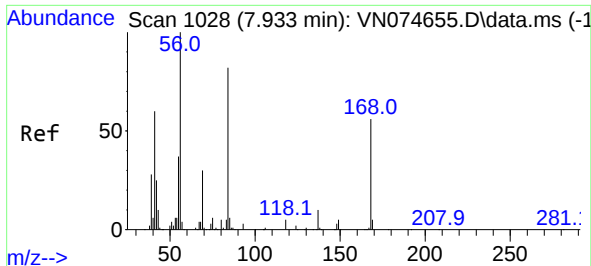
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 30 07:44:59 2022
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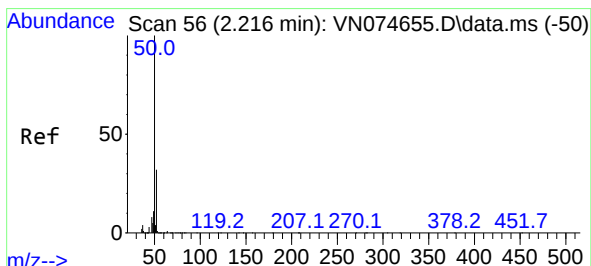
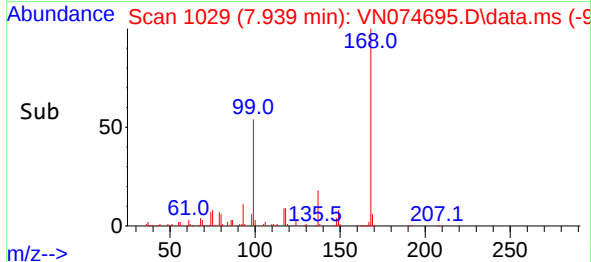
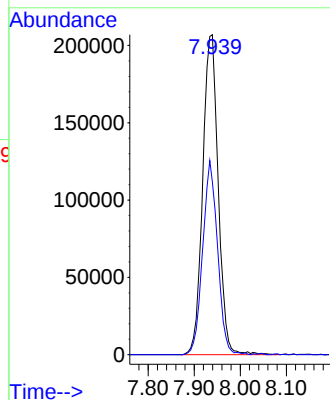
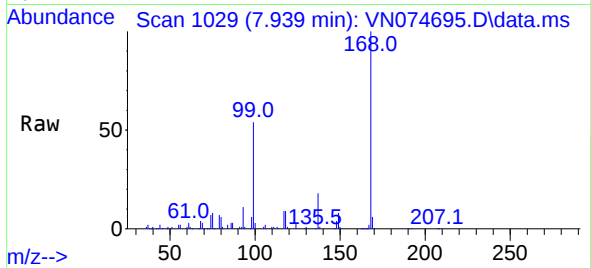




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.939 min Scan# 1028
Delta R.T. 0.006 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

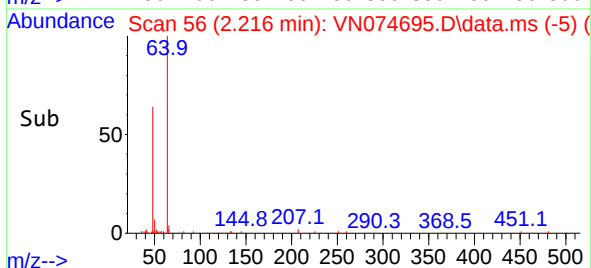
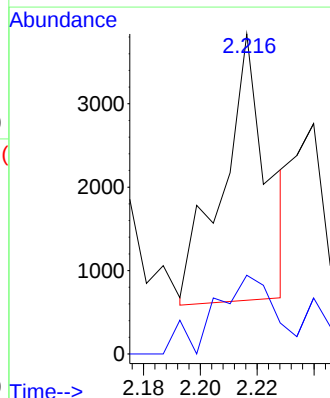
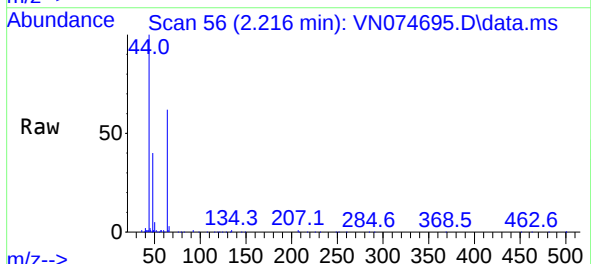
Instrument :
MSVOA_N
ClientSampleId :
MW-108

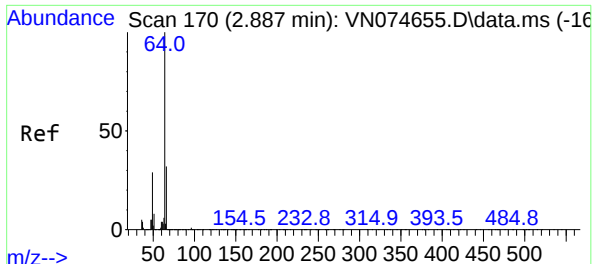
Tgt Ion:168 Resp: 486514
Ion Ratio Lower Upper
168 100
99 54.1 42.3 63.5



#3
Chloromethane
Concen: 0.233 ug/l
RT: 2.216 min Scan# 56
Delta R.T. 0.000 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Tgt Ion: 50 Resp: 3466
Ion Ratio Lower Upper
50 100
52 18.1 25.7 38.5#

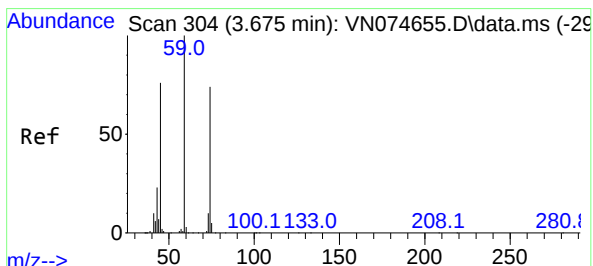
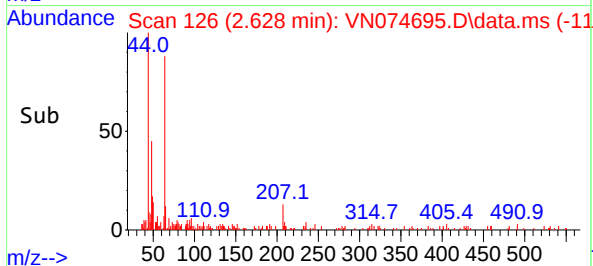
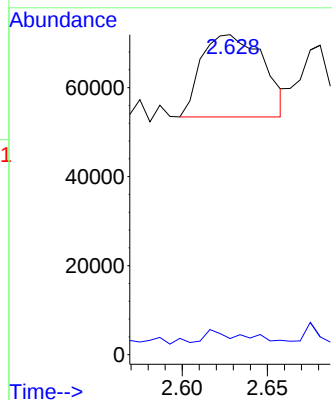
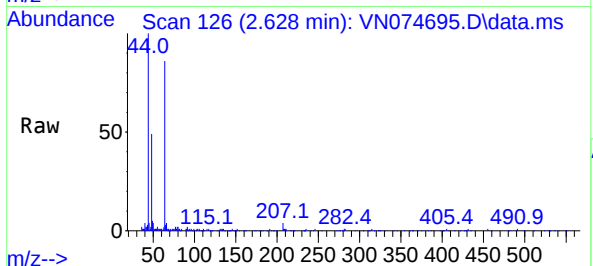




#6
Chloroethane
Concen: 2.809 ug/l
RT: 2.628 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

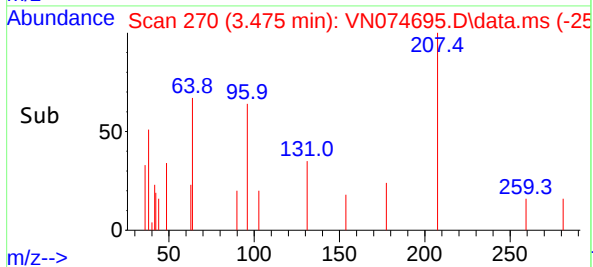
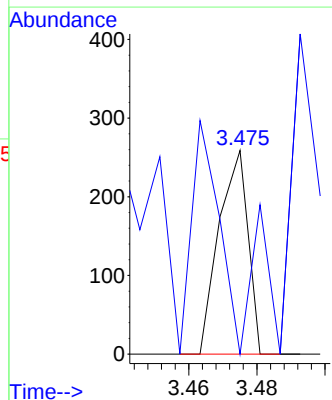
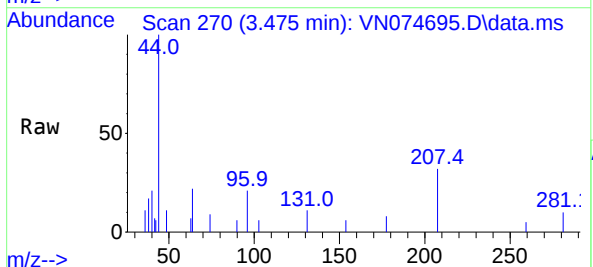
Instrument :
MSVOA_N
ClientSampleId :
MW-108

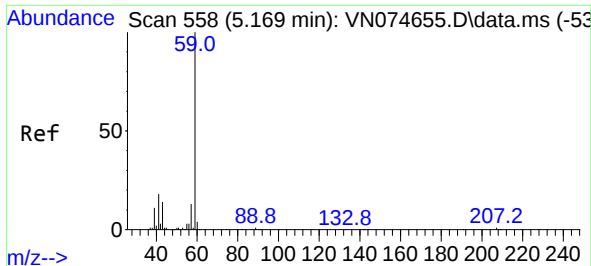
Tgt Ion: 64 Resp: 46701
Ion Ratio Lower Upper
64 100
66 2.0 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.475 min Scan# 270
Delta R.T. -0.200 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Tgt Ion: 74 Resp: 153
Ion Ratio Lower Upper
74 100
45 107.8 42.9 128.5

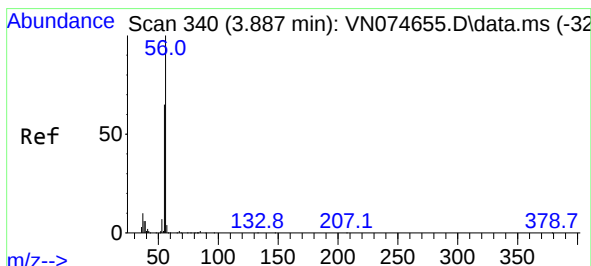
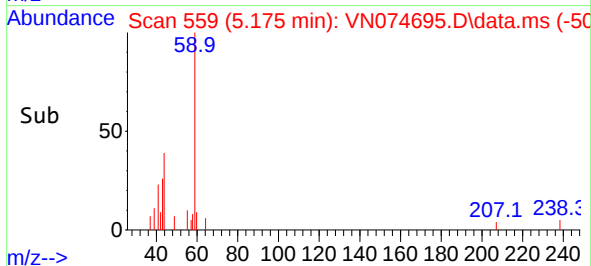
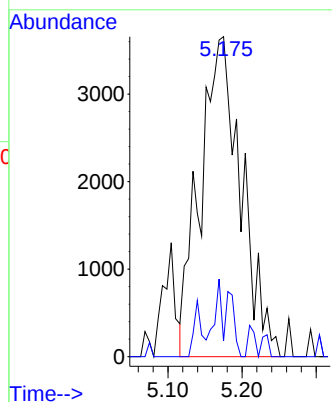
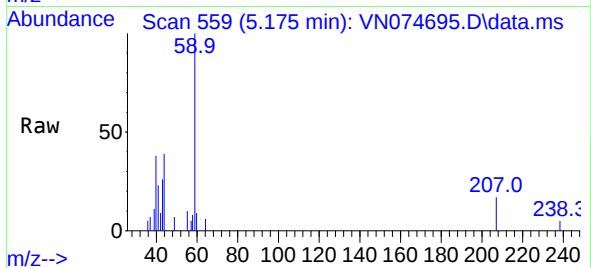




#11
Tert butyl alcohol
Concen: 4.313 ug/l
RT: 5.175 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

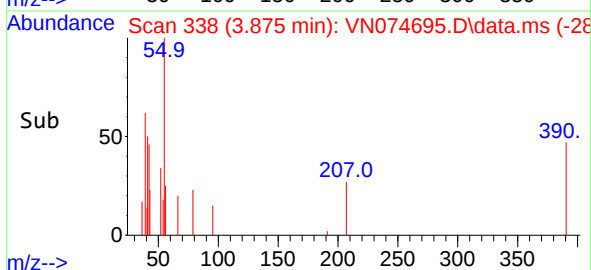
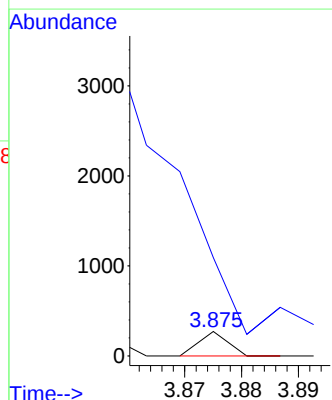
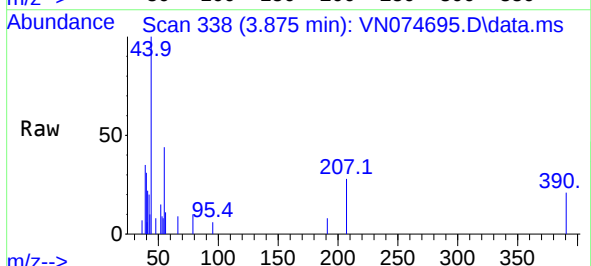
Instrument :
MSVOA_N
ClientSampleId :
MW-108

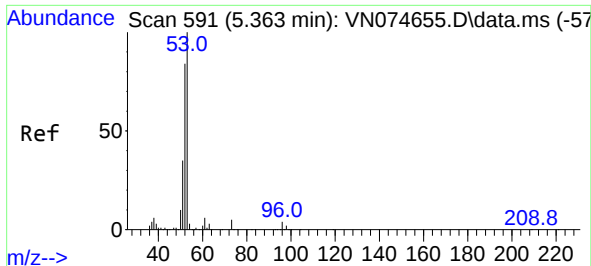
Tgt Ion: 59 Resp: 14044
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 3.875 min Scan# 338
Delta R.T. -0.012 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

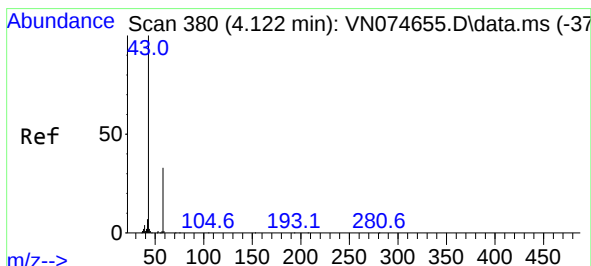
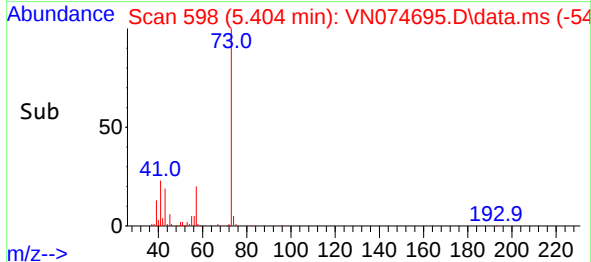
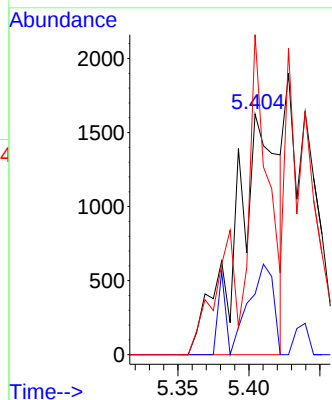
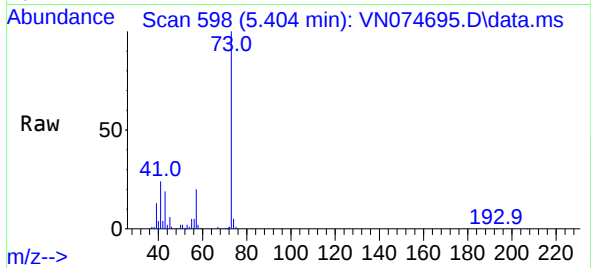




#15
Acrylonitrile
Concen: 0.441 ug/l
RT: 5.404 min Scan# 51
Delta R.T. 0.041 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

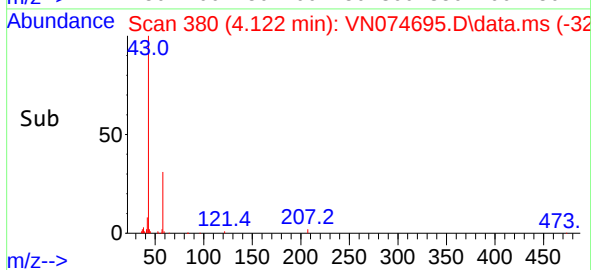
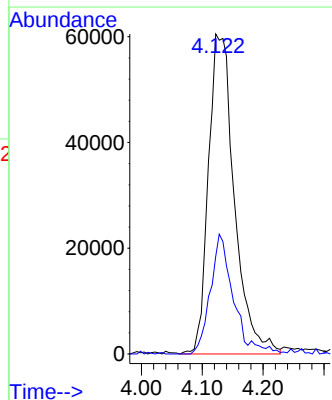
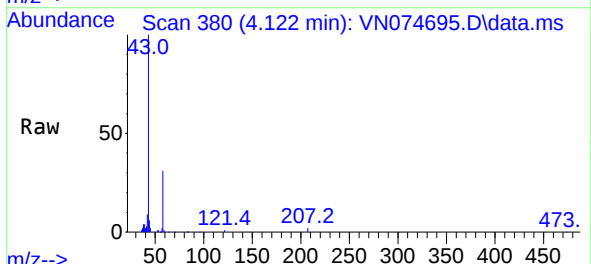
Instrument :
MSVOA_N
ClientSampleId :
MW-108

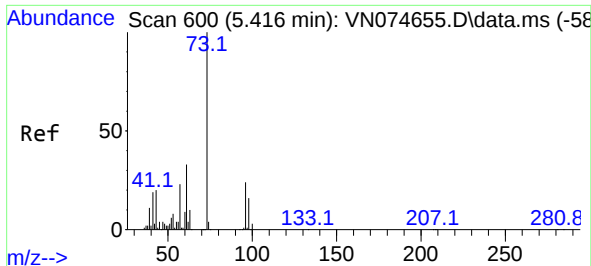
Tgt Ion: 53 Resp: 3390
Ion Ratio Lower Upper
53 100
52 21.7 66.4 99.6#
51 85.0 28.5 42.7#



#16
Acetone
Concen: 25.520 ug/l
RT: 4.122 min Scan# 380
Delta R.T. 0.000 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Tgt Ion: 43 Resp: 179191
Ion Ratio Lower Upper
43 100
58 30.5 26.0 39.0





#19

Methyl tert-butyl Ether

Concen: 13.701 ug/l

RT: 5.428 min Scan# 600

Delta R.T. 0.012 min

Lab File: VN074695.D

Acq: 01 Oct 2022 07:14

Instrument :

MSVOA_N

ClientSampleId :

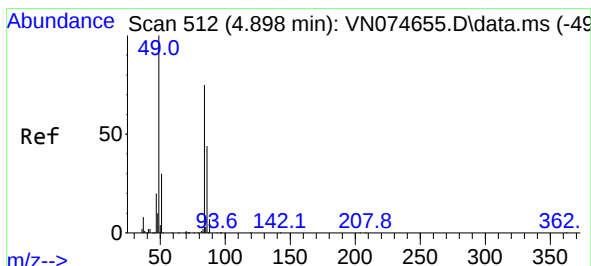
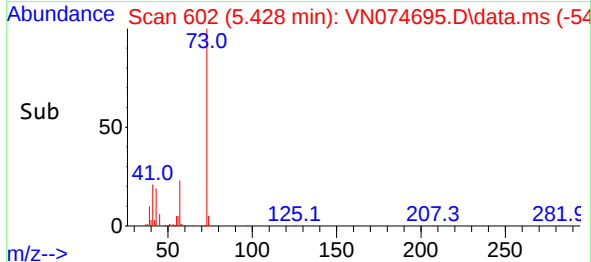
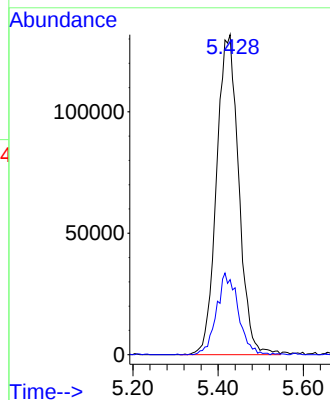
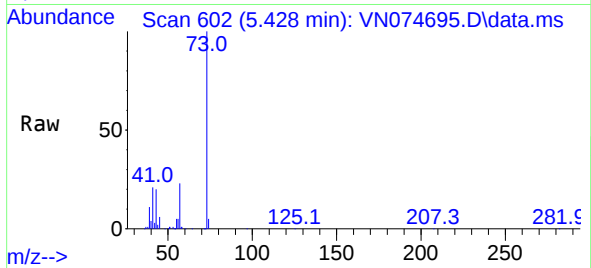
MW-108

Tgt Ion: 73 Resp: 475150

Ion Ratio Lower Upper

73 100

57 23.5 17.6 26.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.898 min Scan# 512

Delta R.T. 0.000 min

Lab File: VN074695.D

Acq: 01 Oct 2022 07:14

Tgt Ion: 84 Resp: 994

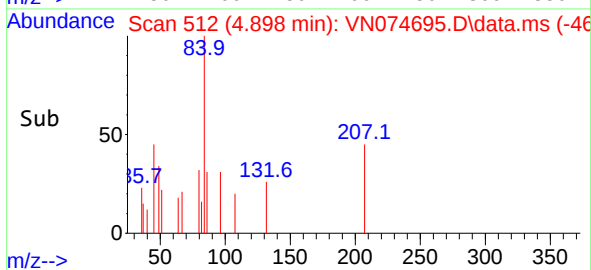
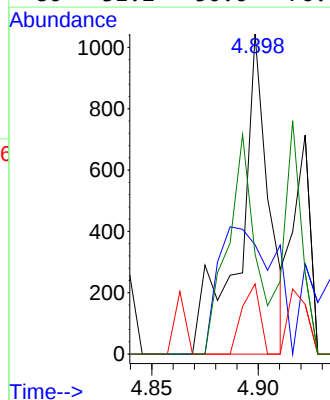
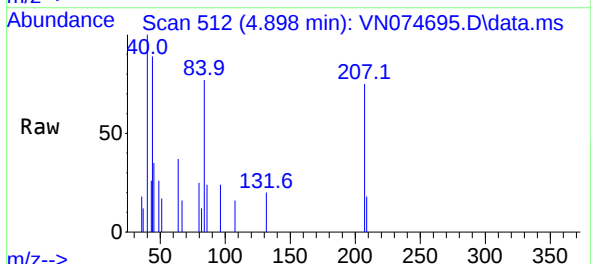
Ion Ratio Lower Upper

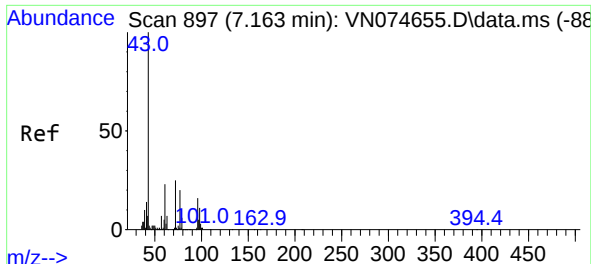
84 100

49 34.1 88.3 132.5#

51 21.9 28.2 42.2#

86 31.2 50.6 76.0#





#25

2-Butanone

Concen: 0.531 ug/l

RT: 7.187 min Scan# 901

Delta R.T. 0.024 min

Lab File: VN074695.D

Acq: 01 Oct 2022 07:14

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ClientSampleId :

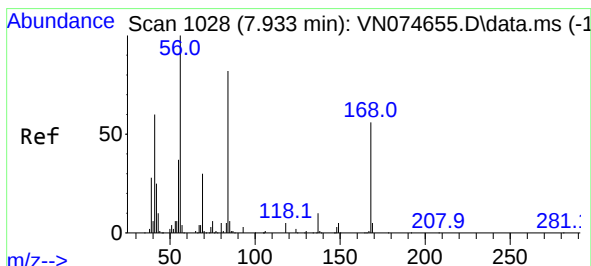
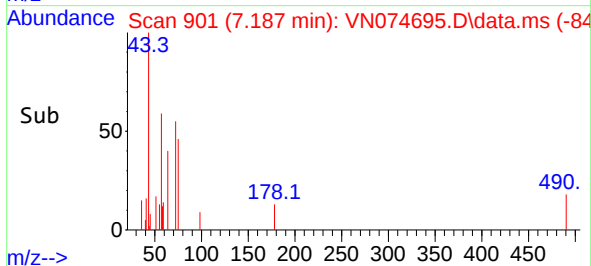
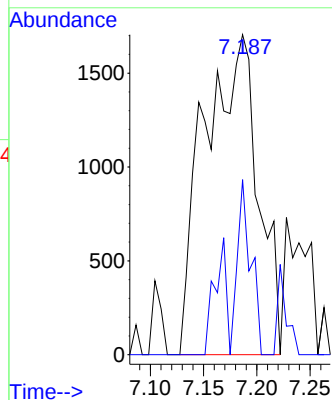
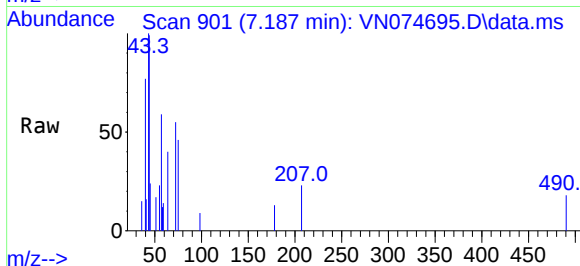
MW-108

Tgt Ion: 43 Resp: 5964

Ion Ratio Lower Upper

43 100

72 54.7 23.7 35.5#



#31

Cyclohexane

Concen: 0.753 ug/l

RT: 7.934 min Scan# 1028

Delta R.T. 0.001 min

Lab File: VN074695.D

Acq: 01 Oct 2022 07:14

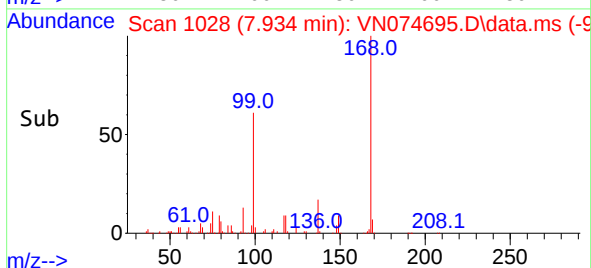
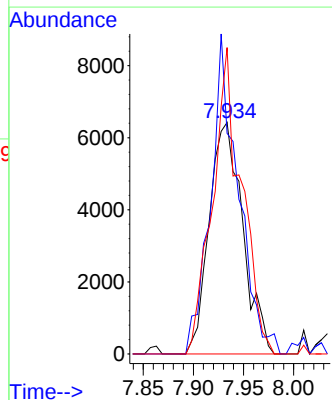
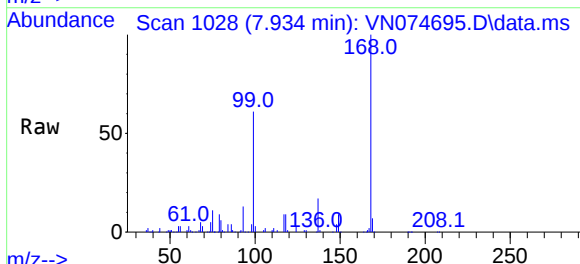
Tgt Ion: 56 Resp: 14923

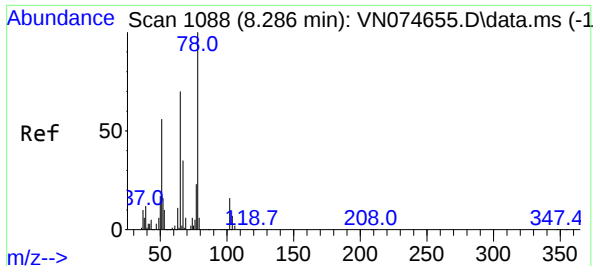
Ion Ratio Lower Upper

56 100

69 95.4 27.8 41.8#

84 132.4 76.9 115.3#

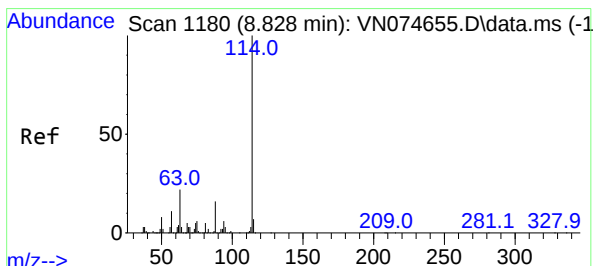
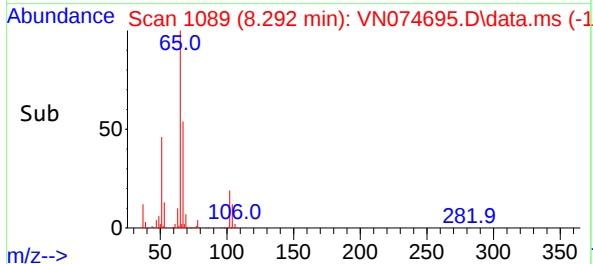
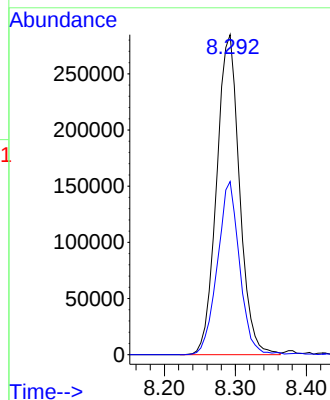
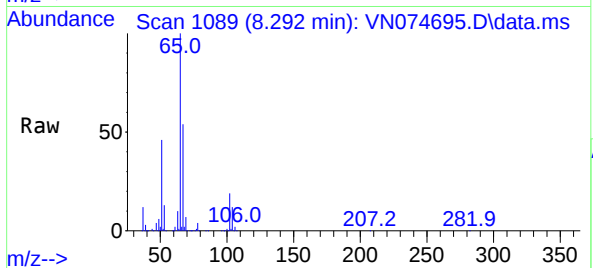




#33
1,2-Dichloroethane-d4
Concen: 52.233 ug/l
RT: 8.292 min Scan# 1088
Delta R.T. 0.006 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

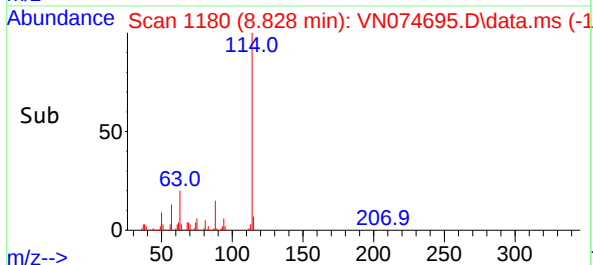
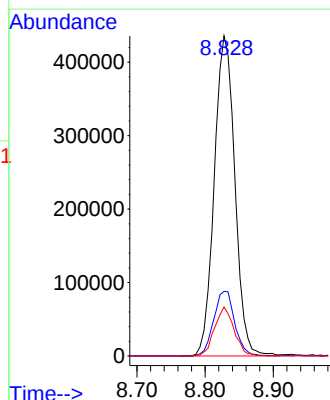
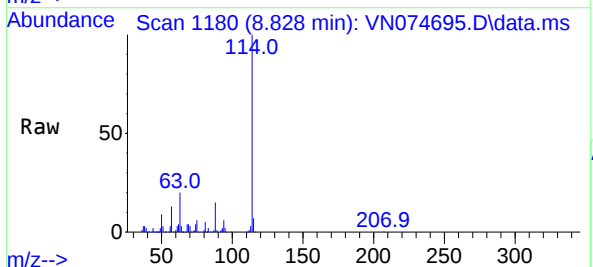
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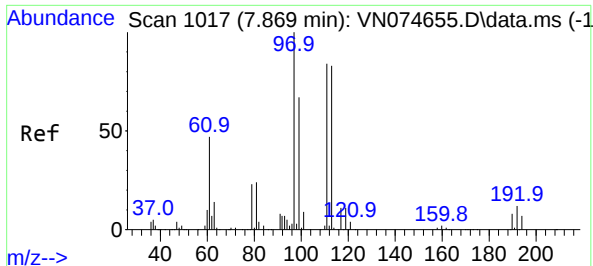
Tgt Ion: 65 Resp: 636888
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Tgt Ion:114 Resp: 916996
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.0
88 15.3 0.0 32.6

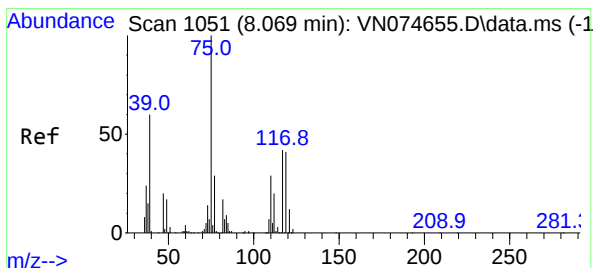
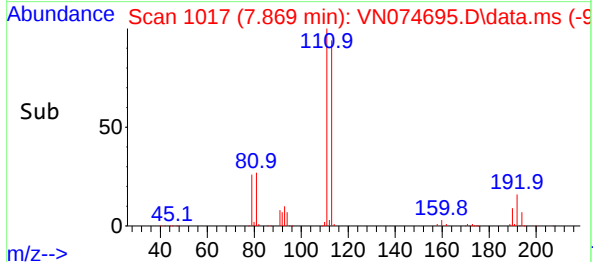
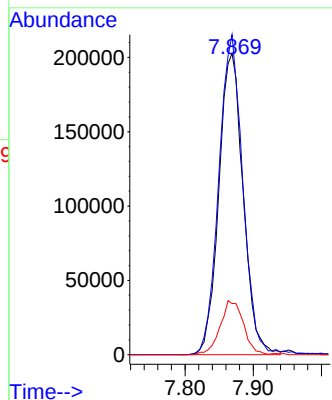
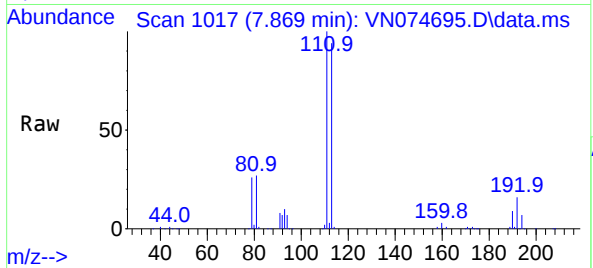




#35
Dibromofluoromethane
Concen: 51.869 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

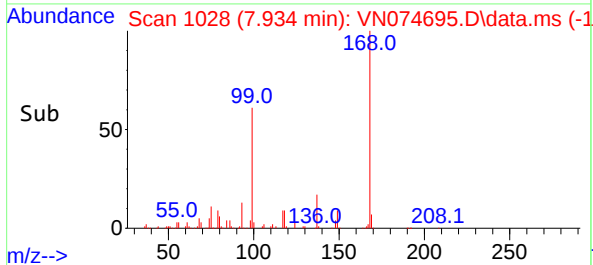
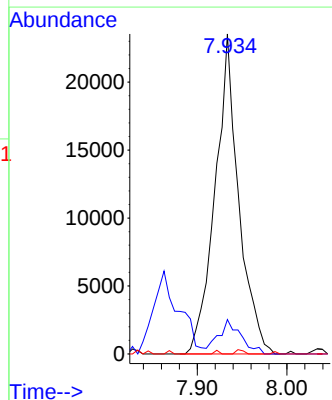
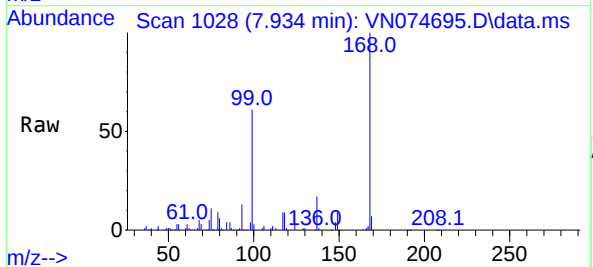
Instrument :
MSVOA_N
ClientSampleId :
MW-108

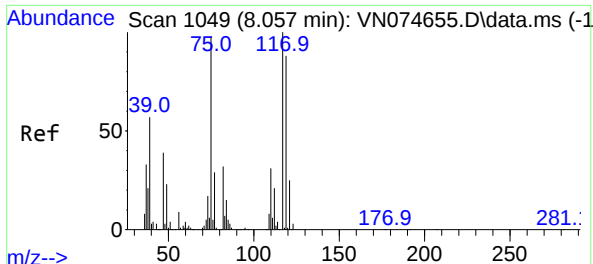
Tgt Ion:113 Resp: 503440
Ion Ratio Lower Upper
113 100
111 105.0 81.4 122.0
192 17.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 2.771 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.135 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Tgt Ion: 75 Resp: 43068
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 25.1 37.7#

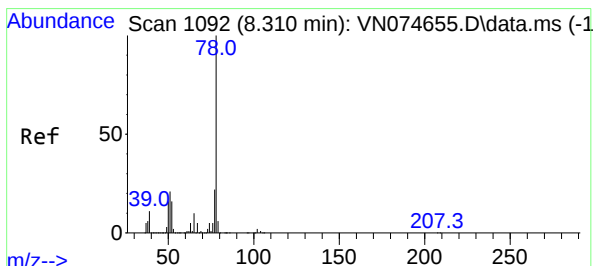
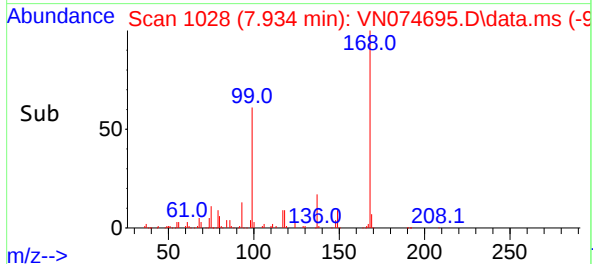
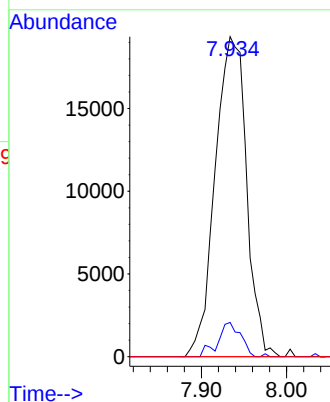
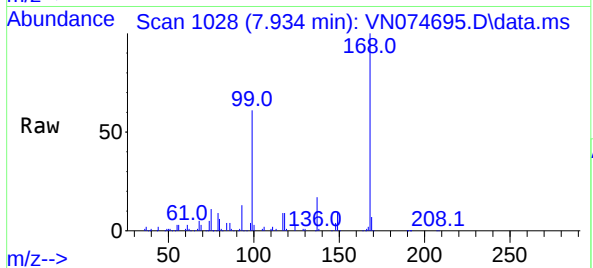




#38
Carbon Tetrachloride
Concen: 3.466 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

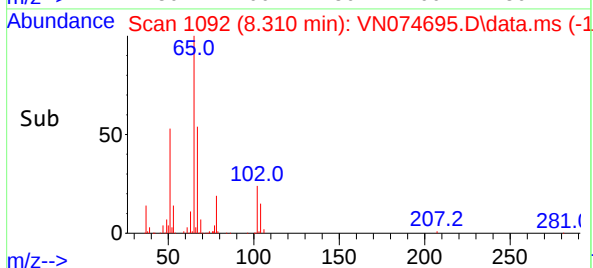
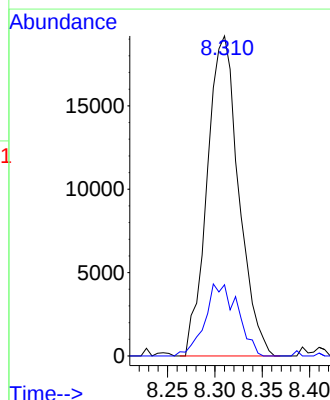
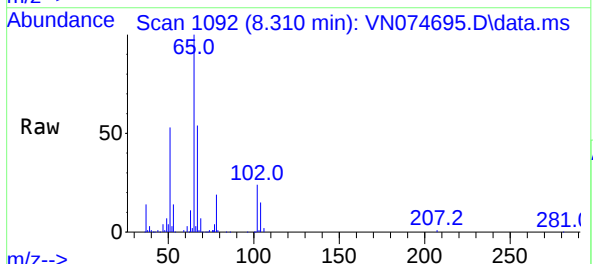
Instrument :
MSVOA_N
ClientSampleId :
MW-108

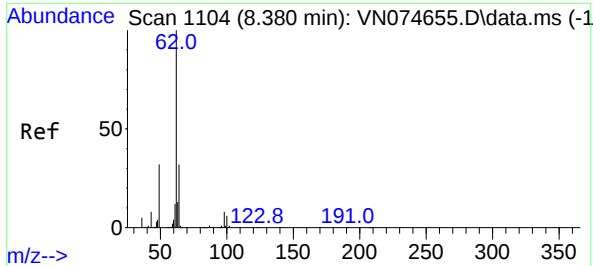
Tgt Ion:117 Resp: 49362
Ion Ratio Lower Upper
117 100
119 10.7 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.928 ug/l
RT: 8.310 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Tgt Ion: 78 Resp: 44478
Ion Ratio Lower Upper
78 100
77 22.2 19.4 29.0

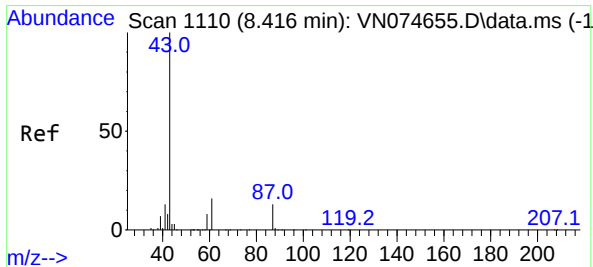
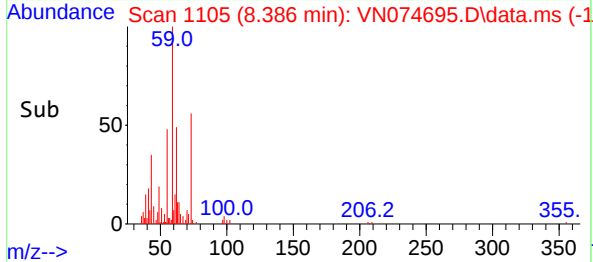
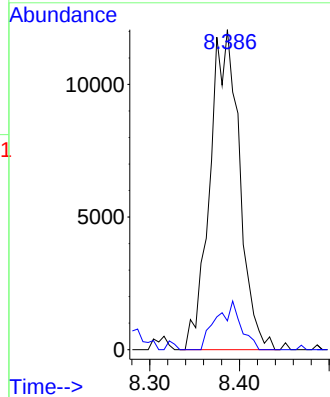
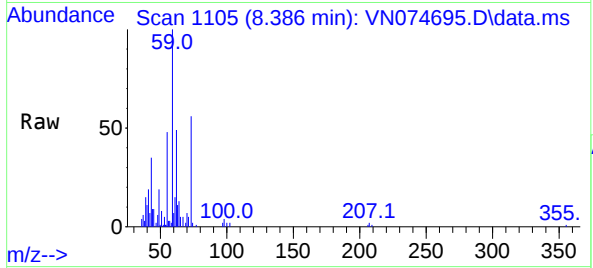




#42
1,2-Dichloroethane
Concen: 1.718 ug/l
RT: 8.386 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

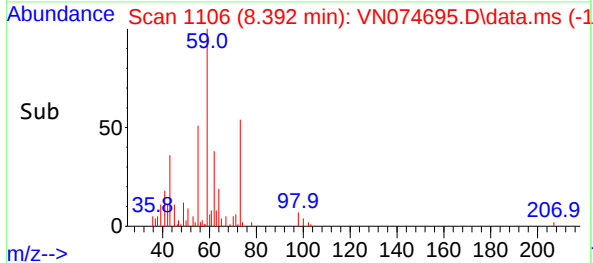
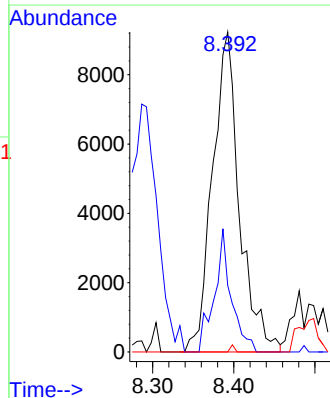
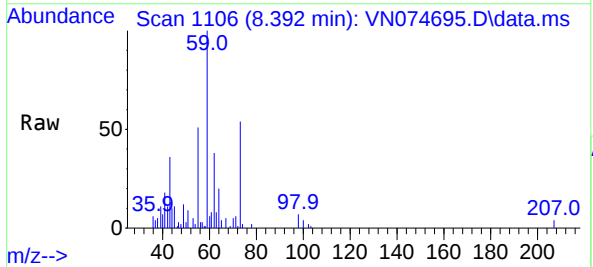
Instrument :
MSVOA_N
ClientSampleId :
MW-108

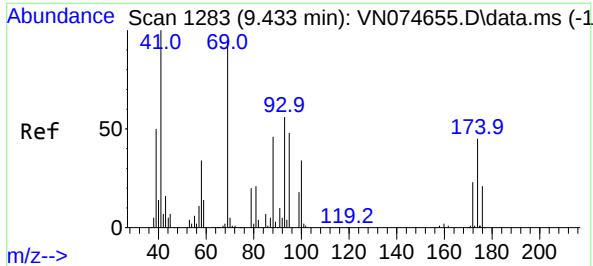
Tgt Ion: 62 Resp: 27649
Ion Ratio Lower Upper
62 100
98 12.6 0.0 19.4



#43
Isopropyl Acetate
Concen: 0.580 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. -0.024 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Tgt Ion: 43 Resp: 21321
Ion Ratio Lower Upper
43 100
61 24.1 21.9 32.9
87 0.3 12.0 18.0#

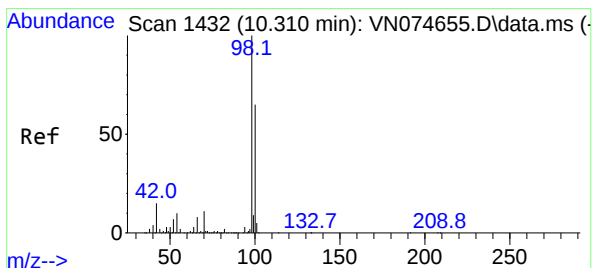
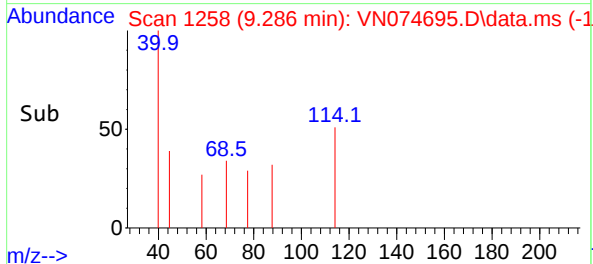
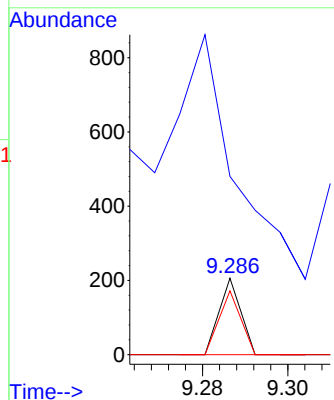
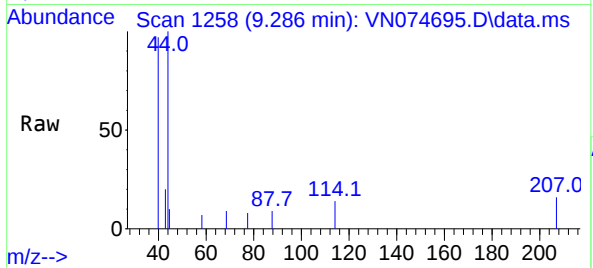




#49
1,4-Dioxane
Concen: 0.253 ug/l
RT: 9.286 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

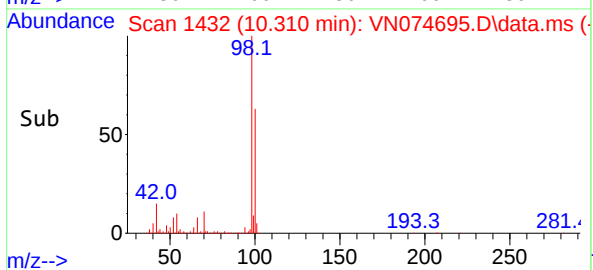
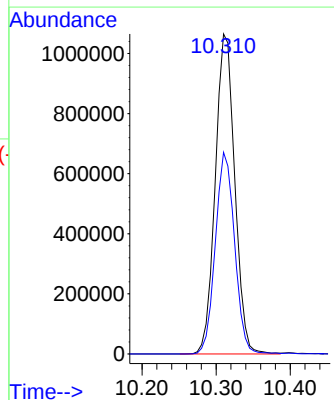
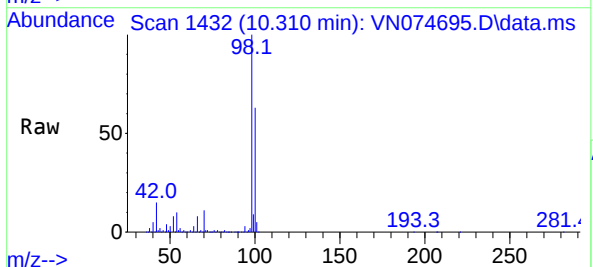
Instrument :
MSVOA_N
ClientSampleId :
MW-108

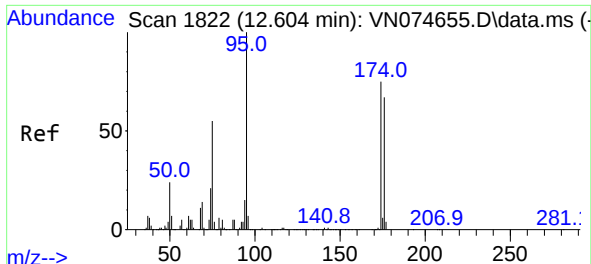
Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 1912.3 20.2 30.4#
58 83.6 54.2 81.4#



#50
Toluene-d8
Concen: 47.722 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Tgt Ion: 98 Resp: 1948296
Ion Ratio Lower Upper
98 100
100 62.2 52.6 78.8

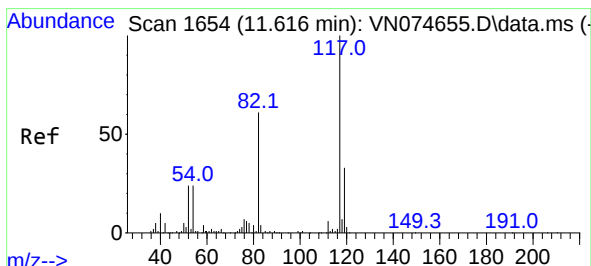
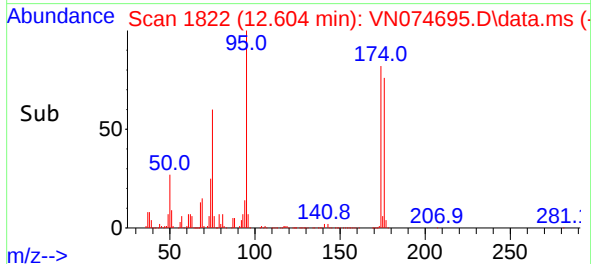
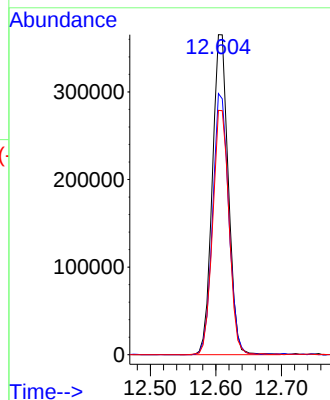
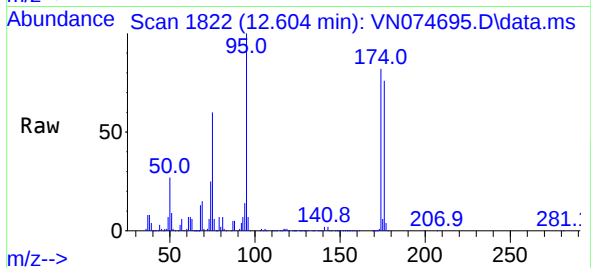




#62
4-Bromofluorobenzene
Concen: 47.784 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

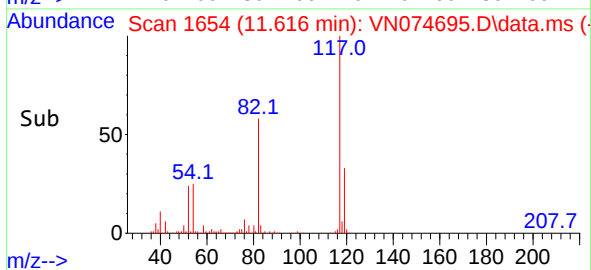
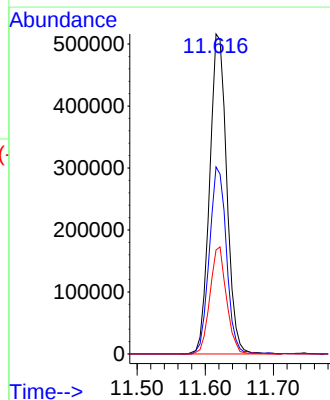
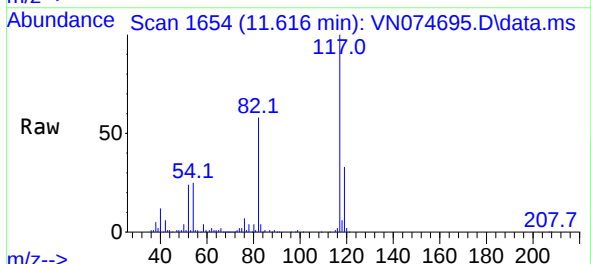
Instrument :
MSVOA_N
ClientSampleId :
MW-108

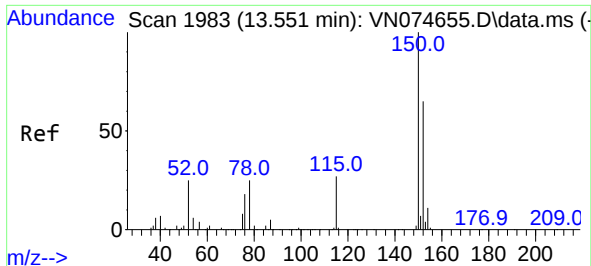
Tgt Ion: 95 Resp: 618585
Ion Ratio Lower Upper
95 100
174 81.8 0.0 167.6
176 77.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Tgt Ion: 117 Resp: 900546
Ion Ratio Lower Upper
117 100
82 58.4 44.2 66.2
119 32.5 25.4 38.0

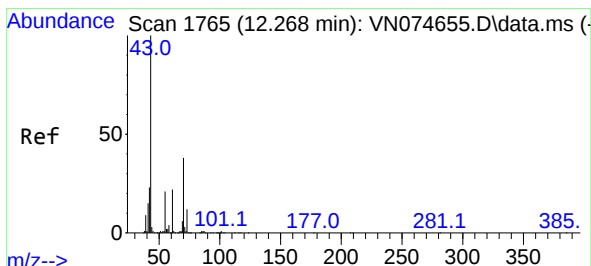
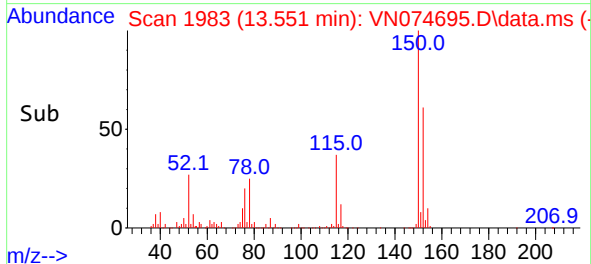
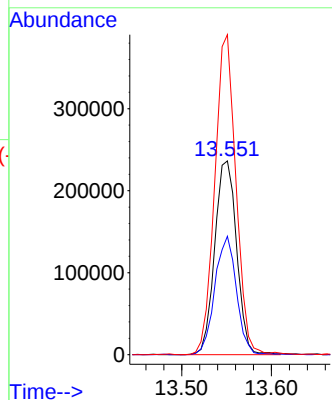
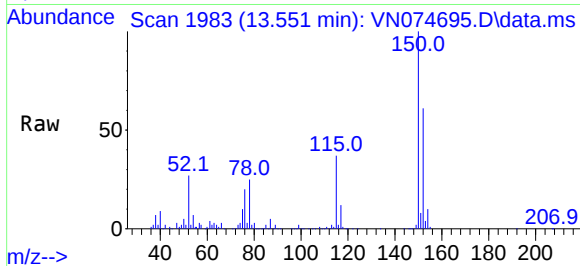




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

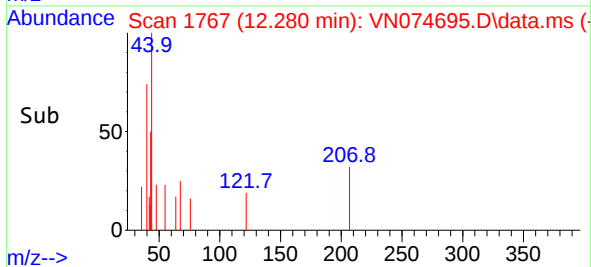
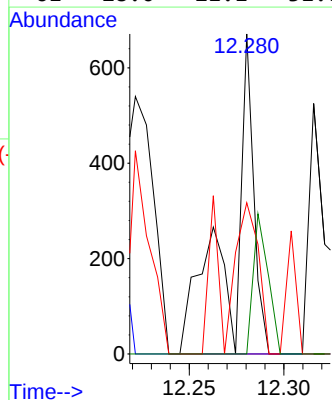
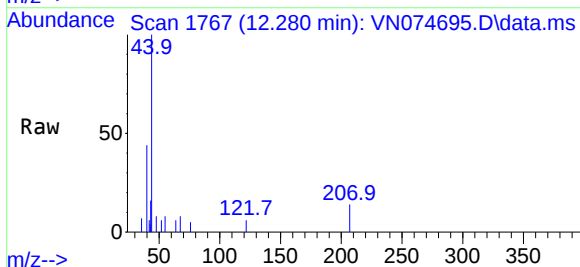
Instrument :
MSVOA_N
ClientSampleId :
MW-108

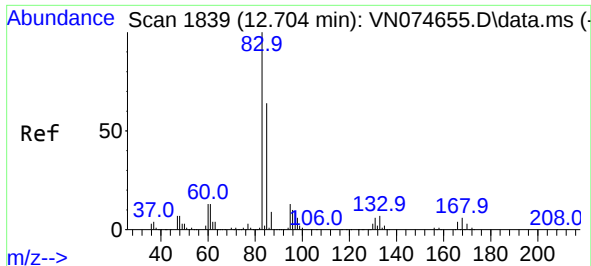
Tgt Ion:152 Resp: 401039
Ion Ratio Lower Upper
152 100
115 60.5 28.9 86.7
150 158.9 0.0 356.2



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.280 min Scan# 1767
Delta R.T. 0.012 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 47.3 21.1 31.7#
61 28.0 21.1 31.7

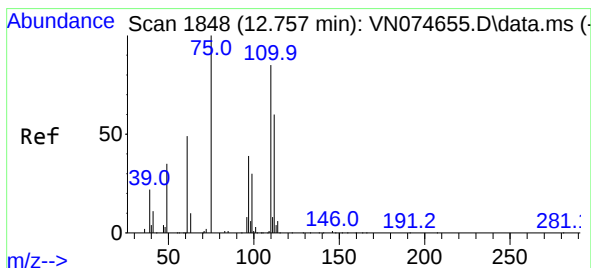
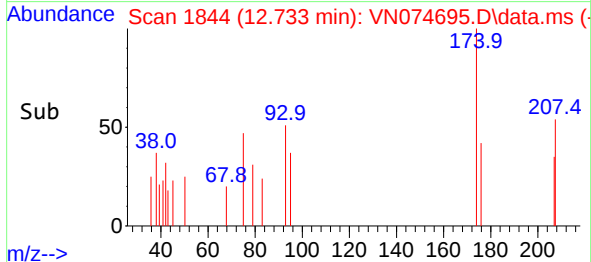
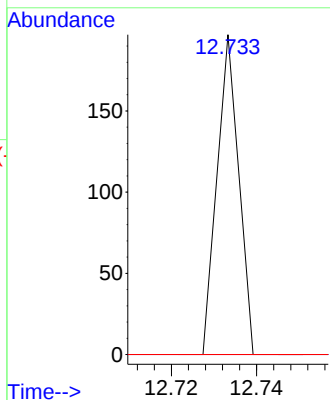
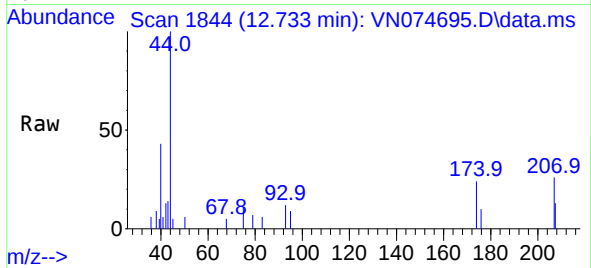




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.733 min Scan# 1822
Delta R.T. 0.029 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

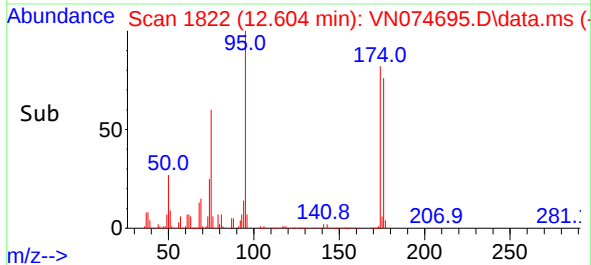
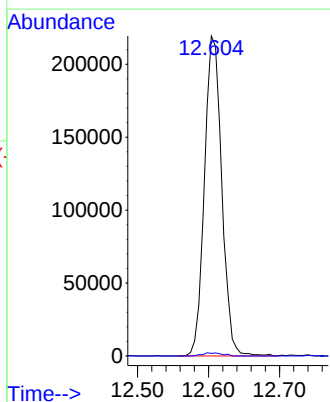
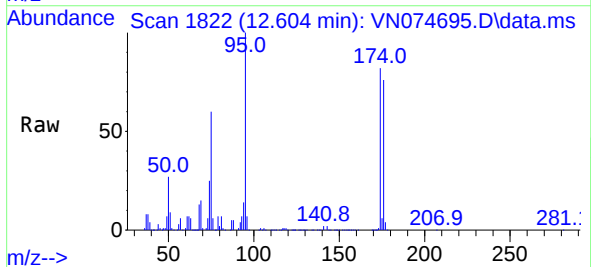
Instrument :
MSVOA_N
ClientSampleId :
MW-108

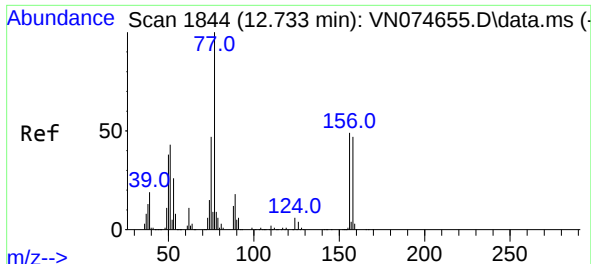
Tgt Ion: 83 Resp: 69
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 41.119 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Tgt Ion: 75 Resp: 372272
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

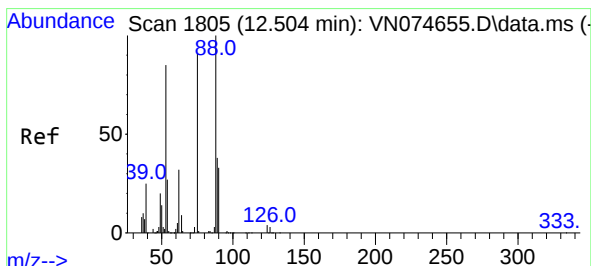
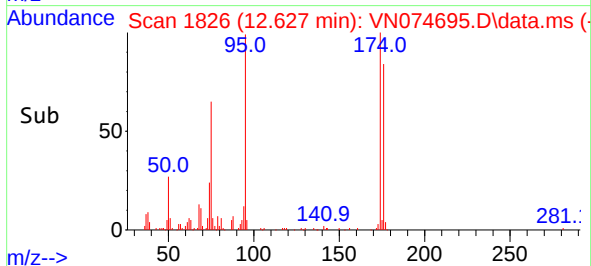
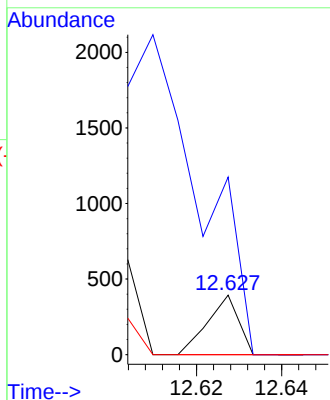
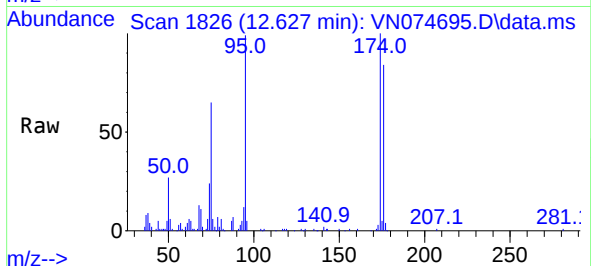




#77
Bromobenzene
Concen: Below Cal
RT: 12.627 min Scan# 1826
Delta R.T. -0.106 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Instrument :
MSVOA_N
ClientSampleId :
MW-108

Tgt Ion:156 Resp: 200
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 0.0 48.9 146.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.572 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074695.D
Acq: 01 Oct 2022 07:14

Tgt Ion: 75 Resp: 372272
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

