

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074700.D
 Acq On : 01 Oct 2022 09:15
 Operator : JC\MD
 Sample : N4882-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-122

Quant Time: Oct 03 02:13:34 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)

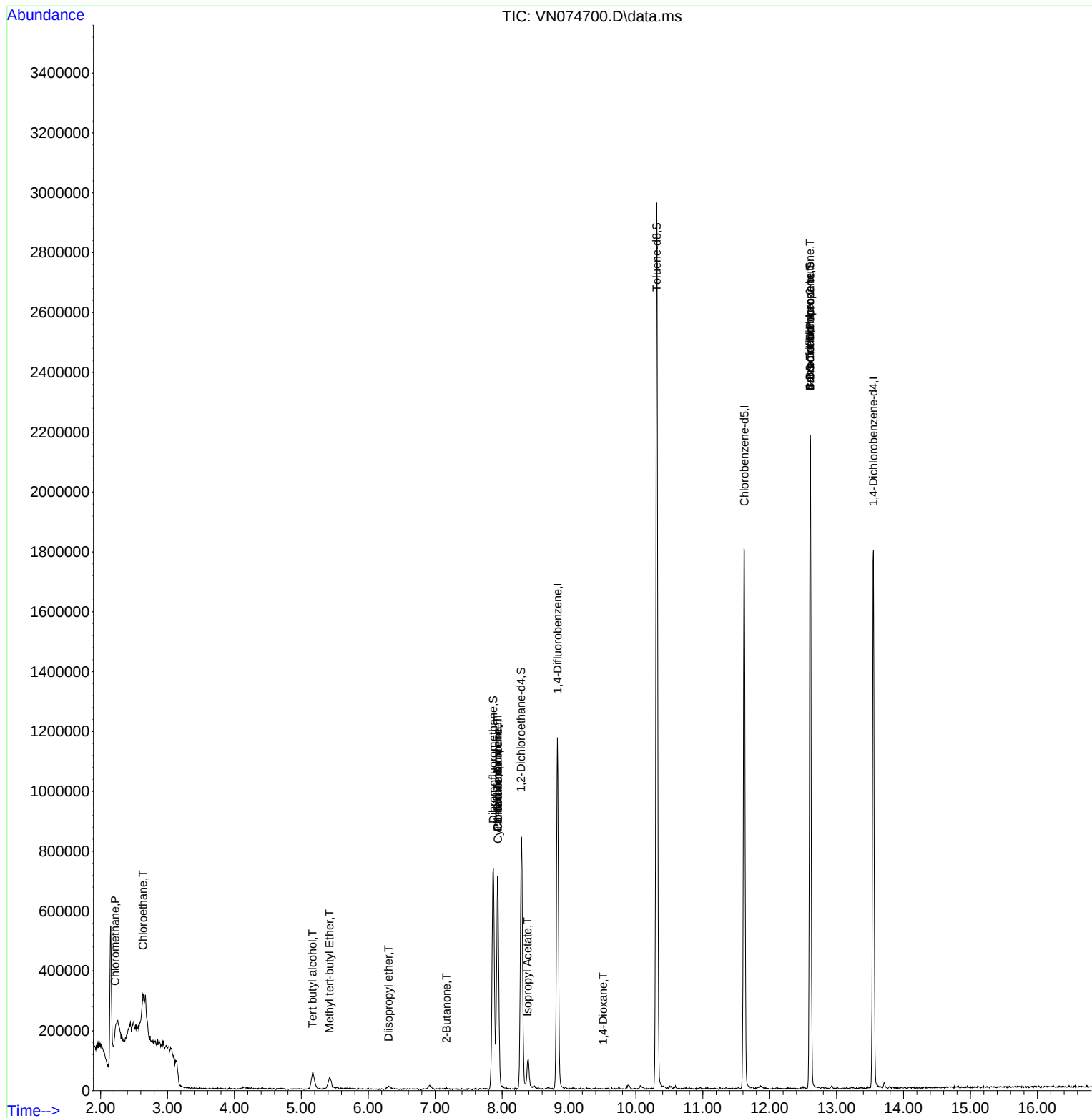
Internal Standards						
1) Pentafluorobenzene	7.934	168	500563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	949206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.622	117	960422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	434342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	633775	50.519	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.040%
35) Dibromofluoromethane	7.869	113	514857	51.245	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.500%
50) Toluene-d8	10.310	98	1971265	46.646	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.300%
62) 4-Bromofluorobenzene	12.604	95	633954	47.309	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.620%
Target Compounds						Qvalue
3) Chloromethane	2.216	50	4732	0.309	ug/l #	82
6) Chloroethane	2.634	64	48308	2.824	ug/l #	65
8) Diethyl Ether	3.681	74	351	Below Cal		66
11) Tert butyl alcohol	5.169	59	94154	28.103	ug/l #	88
13) Acrolein	3.881	56	102	Below Cal	#	1
16) Acetone	4.146	43	9004	Below Cal	#	87
19) Methyl tert-butyl Ether	5.422	73	55671	1.560	ug/l	96
20) Methylene Chloride	4.881	84	122	Below Cal	#	37
22) Diisopropyl ether	6.304	45	13431	0.327	ug/l #	83
25) 2-Butanone	7.169	43	2744	0.238	ug/l #	73
31) Cyclohexane	7.939	56	16846	0.827	ug/l #	44
36) 1,1-Dichloropropene	7.934	75	46925	2.916	ug/l #	52
38) Carbon Tetrachloride	7.934	117	55220	3.746	ug/l #	16
43) Isopropyl Acetate	8.381	43	25686	0.675	ug/l #	58
49) 1,4-Dioxane	9.510	88	83	0.277	ug/l #	1
71) Bromoform	12.604	173	5428	0.660	ug/l #	28
74) N-amyl acetate	12.280	43	582	Below Cal	#	45
75) 1,1,2,2-Tetrachloroethane	12.651	83	415	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.604	75	386900	39.342	ug/l #	1
77) Bromobenzene	12.716	156	57	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	386900	74.439	ug/l #	11

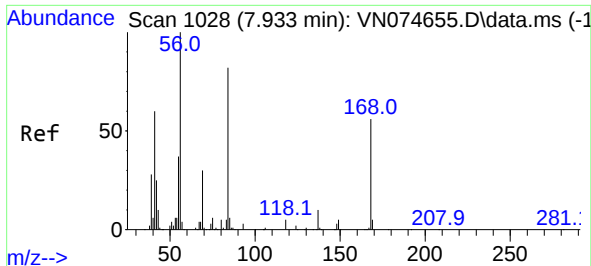
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 30 07:44:59 2022
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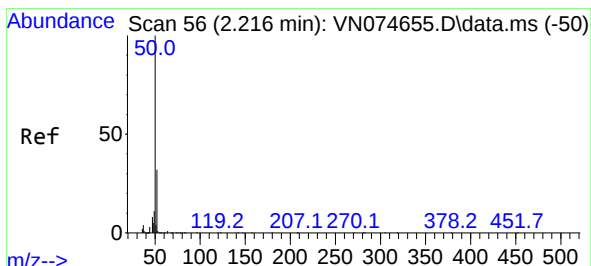
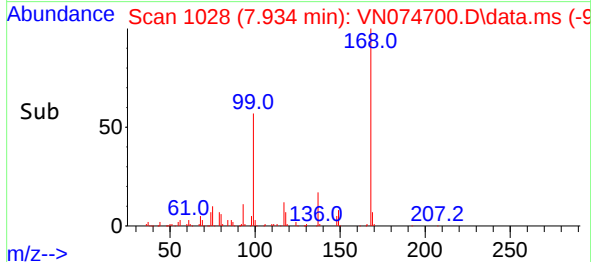
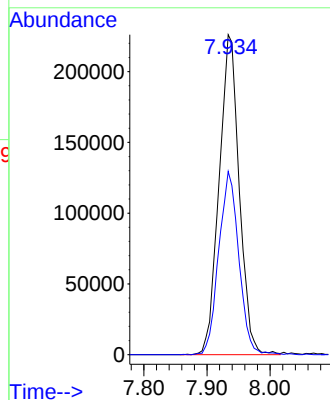
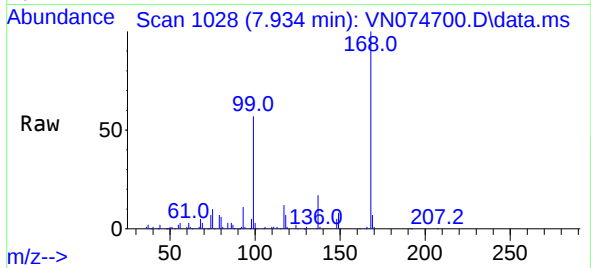




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

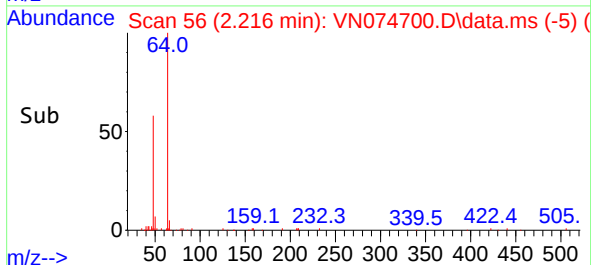
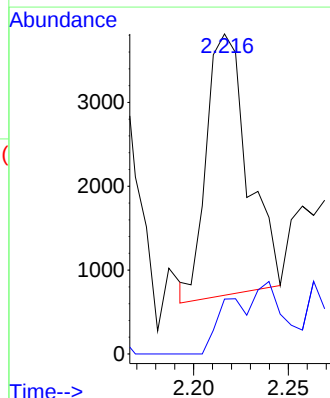
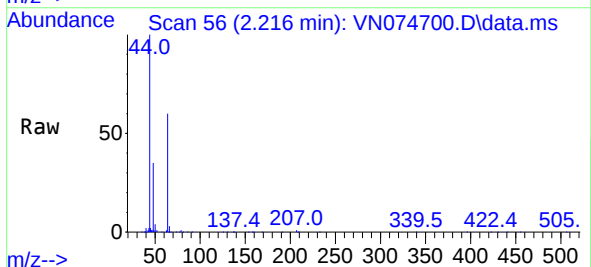
Instrument :
MSVOA_N
ClientSampleId :
MW-122

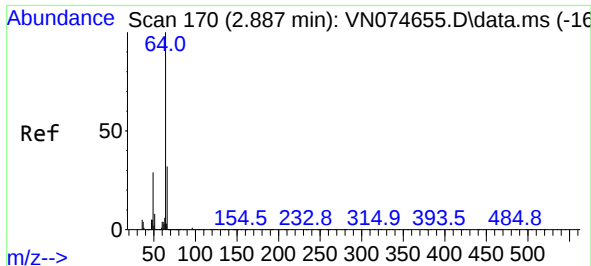
Tgt Ion:168 Resp: 500563
Ion Ratio Lower Upper
168 100
99 57.3 42.3 63.5



#3
Chloromethane
Concen: 0.309 ug/l
RT: 2.216 min Scan# 56
Delta R.T. 0.000 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

Tgt Ion: 50 Resp: 4732
Ion Ratio Lower Upper
50 100
52 21.8 25.7 38.5#

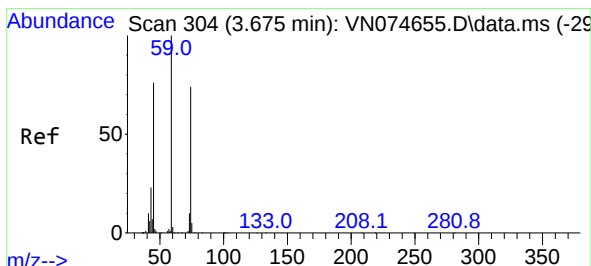
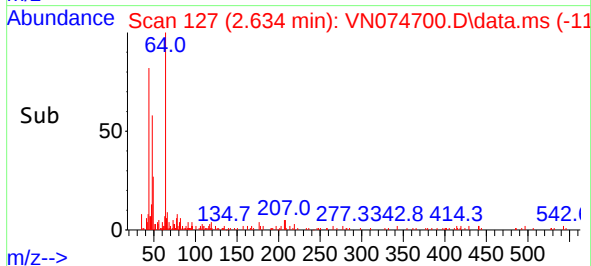
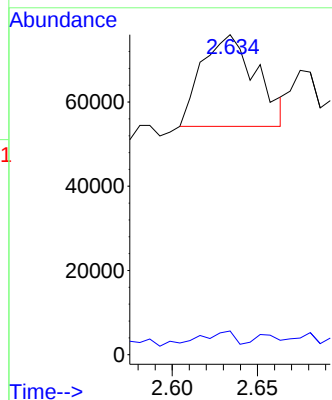
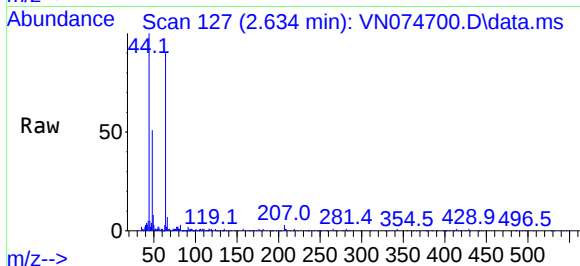




#6
Chloroethane
Concen: 2.824 ug/l
RT: 2.634 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

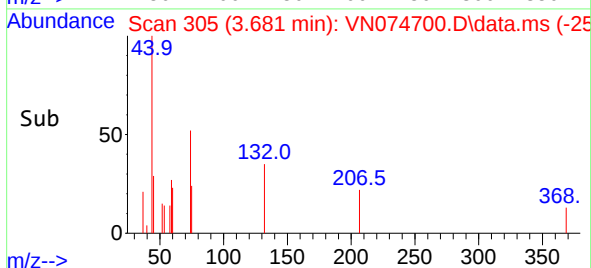
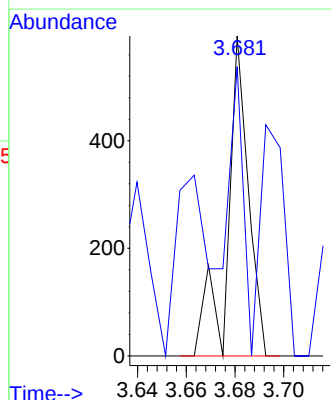
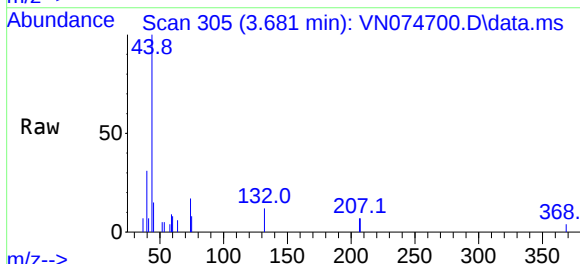
Instrument :
MSVOA_N
ClientSampleId :
MW-122

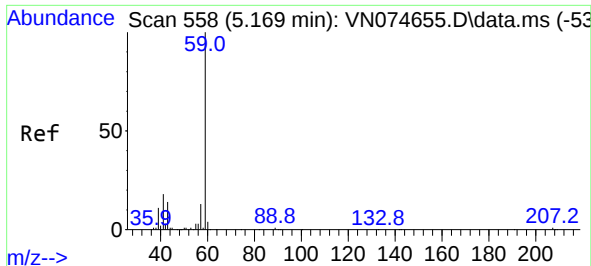
Tgt Ion: 64 Resp: 48308
Ion Ratio Lower Upper
64 100
66 13.0 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.681 min Scan# 305
Delta R.T. 0.006 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

Tgt Ion: 74 Resp: 351
Ion Ratio Lower Upper
74 100
45 54.1 42.9 128.5

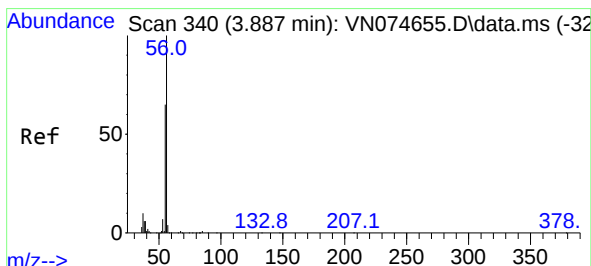
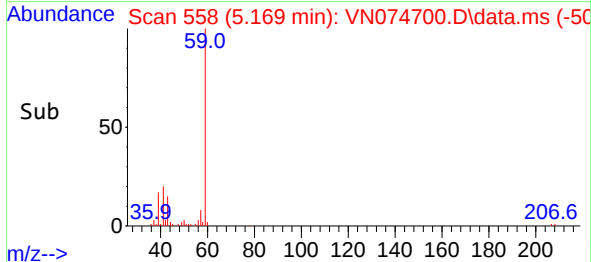
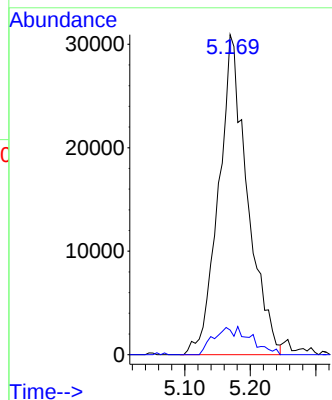
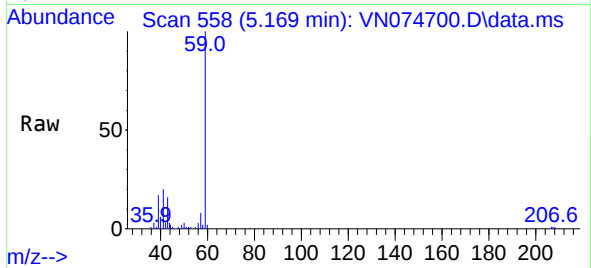




#11
Tert butyl alcohol
Concen: 28.103 ug/l
RT: 5.169 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

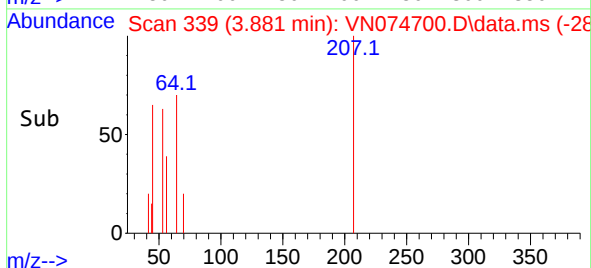
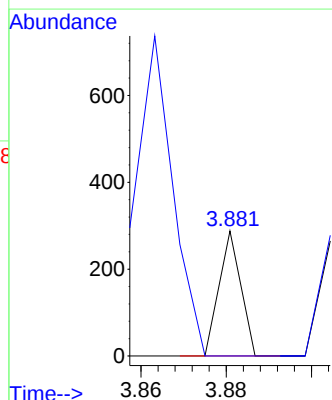
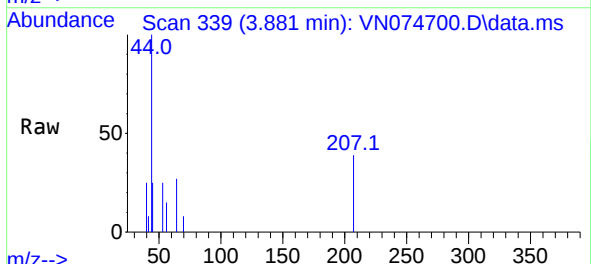
Instrument :
MSVOA_N
ClientSampleId :
MW-122

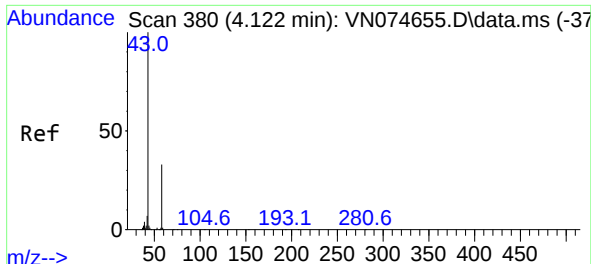
Tgt Ion: 59 Resp: 94154
Ion Ratio Lower Upper
59 100
57 6.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 3.881 min Scan# 339
Delta R.T. -0.006 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 515.7 54.8 82.2#

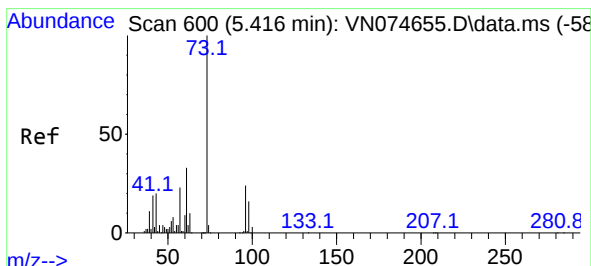
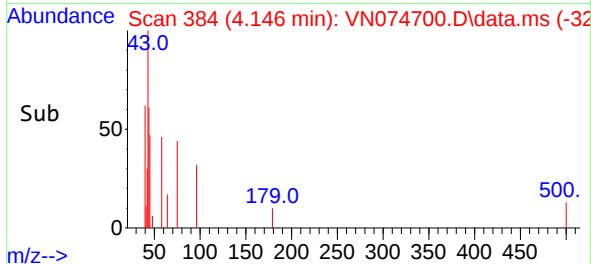
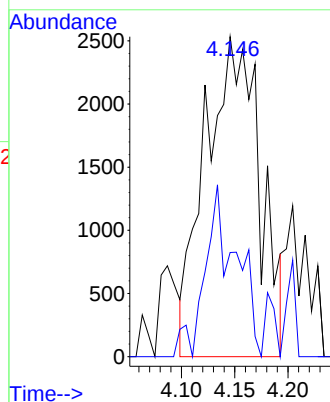
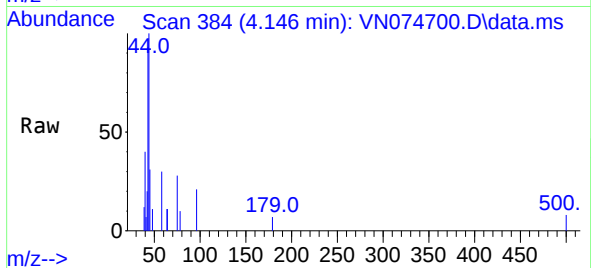




#16
Acetone
Concen: Below Cal
RT: 4.146 min Scan# 384
Delta R.T. 0.024 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

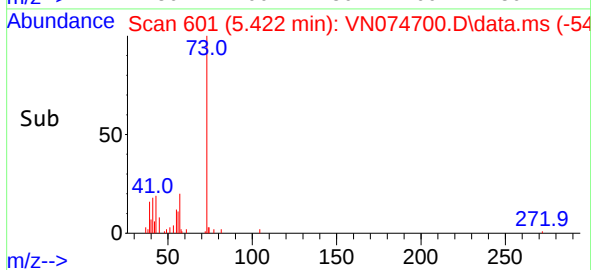
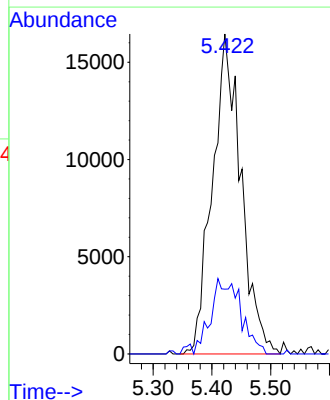
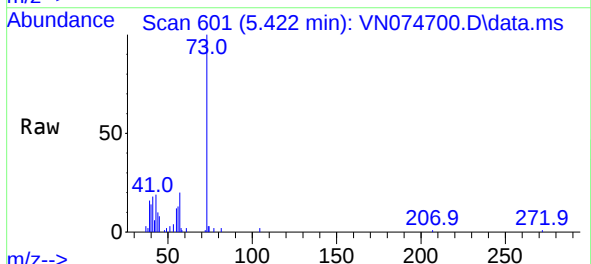
Instrument :
MSVOA_N
ClientSampleId :
MW-122

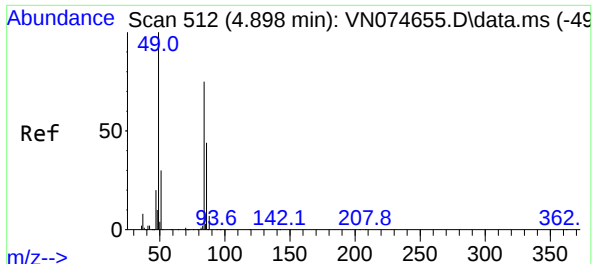
Tgt Ion: 43 Resp: 9004
Ion Ratio Lower Upper
43 100
58 39.6 26.0 39.0#



#19
Methyl tert-butyl Ether
Concen: 1.560 ug/l
RT: 5.422 min Scan# 601
Delta R.T. 0.006 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

Tgt Ion: 73 Resp: 55671
Ion Ratio Lower Upper
73 100
57 20.3 17.6 26.4

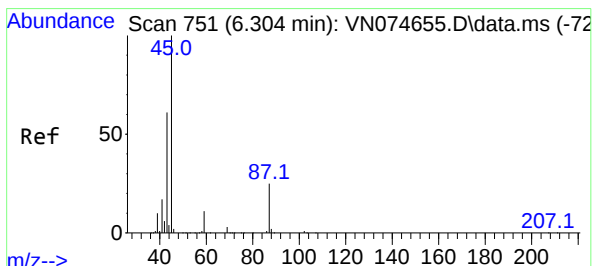
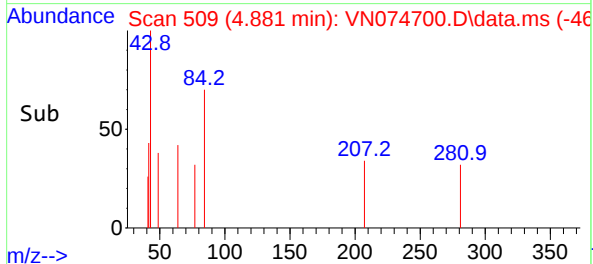
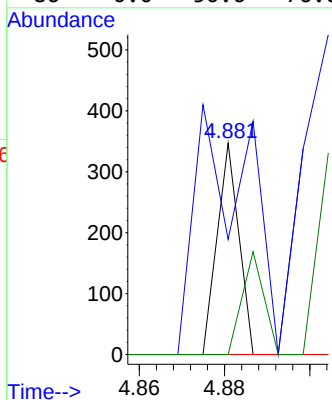
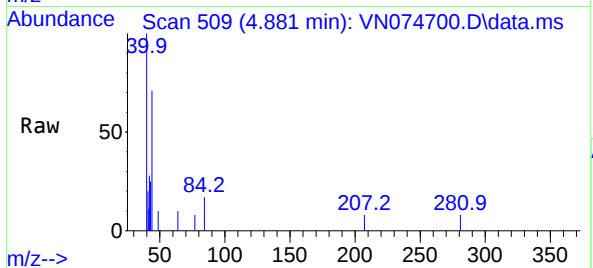




#20
Methylene Chloride
Concen: Below Cal
RT: 4.881 min Scan# 509
Delta R.T. -0.017 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

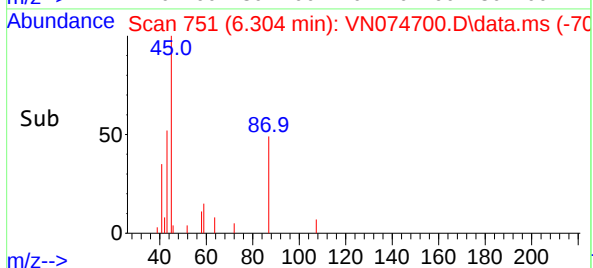
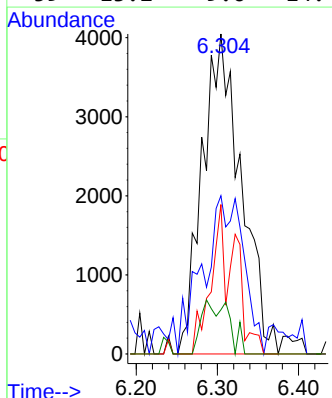
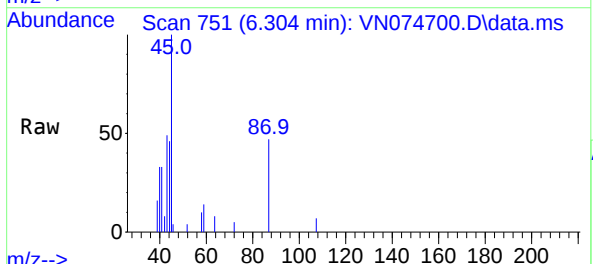
Instrument :
MSVOA_N
ClientSampleId :
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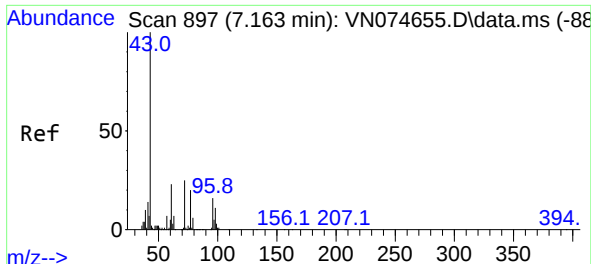
Tgt Ion:	84	Resp:	122
Ion	Ratio	Lower	Upper
84	100		
49	54.5	88.3	132.5#
51	0.0	28.2	42.2#
86	0.0	50.6	76.0#



#22
Diisopropyl ether
Concen: 0.327 ug/l
RT: 6.304 min Scan# 751
Delta R.T. 0.000 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

Tgt Ion:	45	Resp:	13431
Ion	Ratio	Lower	Upper
45	100		
43	47.5	46.6	70.0
87	44.8	24.3	36.5#
59	13.2	9.6	14.4

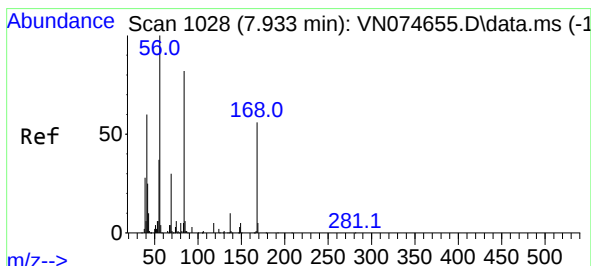
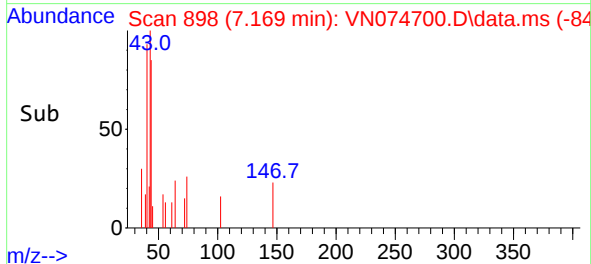
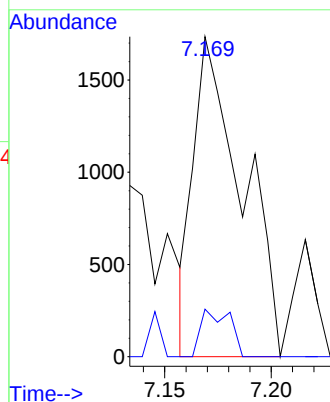
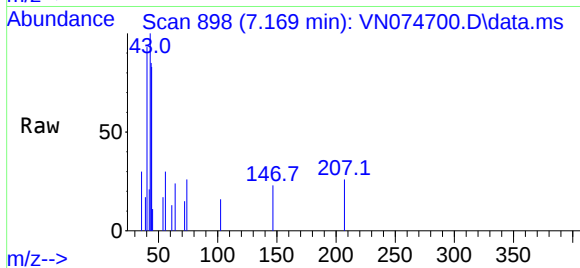




#25
2-Butanone
Concen: 0.238 ug/l
RT: 7.169 min Scan# 897
Delta R.T. 0.006 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

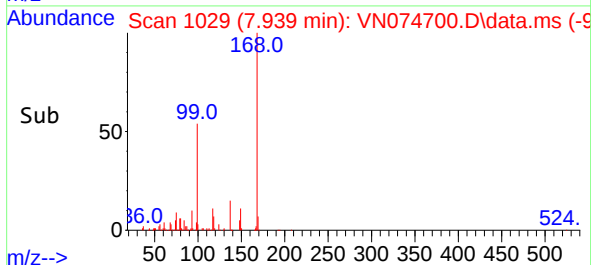
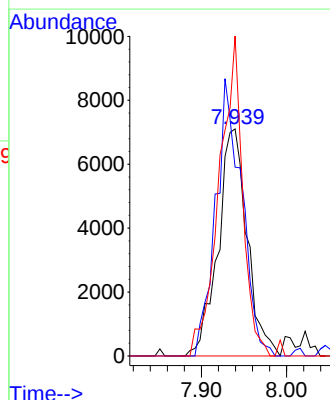
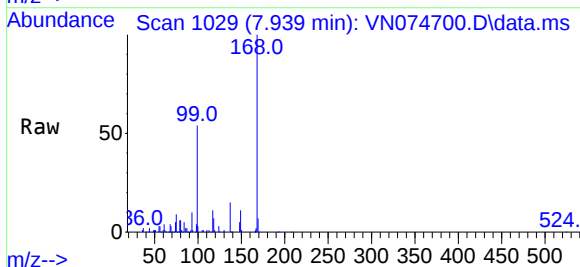
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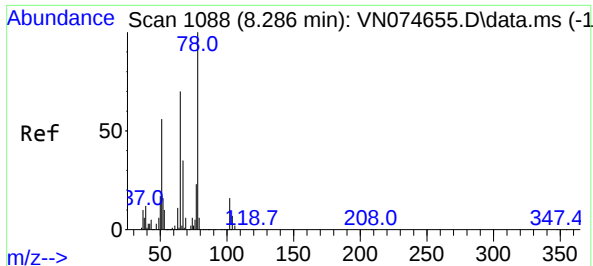
Tgt Ion: 43 Resp: 2744
Ion Ratio Lower Upper
43 100
72 14.9 23.7 35.5#



#31
Cyclohexane
Concen: 0.827 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

Tgt Ion: 56 Resp: 16846
Ion Ratio Lower Upper
56 100
69 83.2 27.8 41.8#
84 141.0 76.9 115.3#

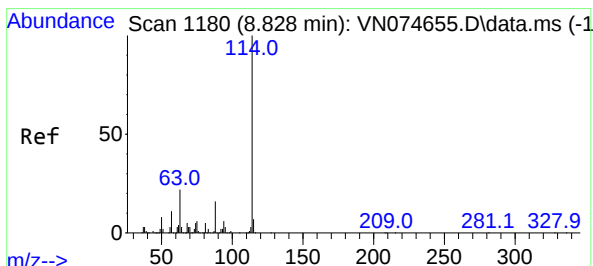
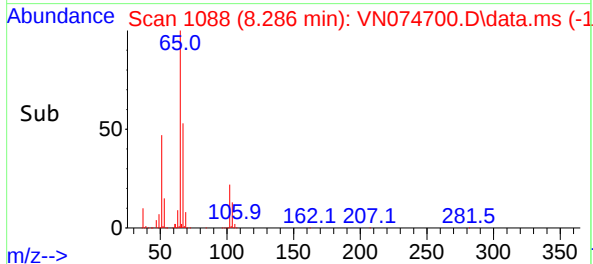
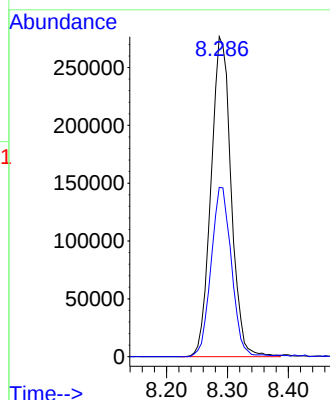
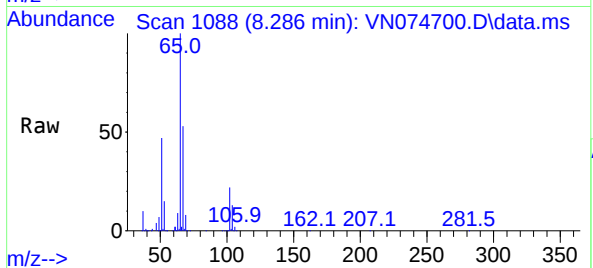




#33
1,2-Dichloroethane-d4
Concen: 50.519 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

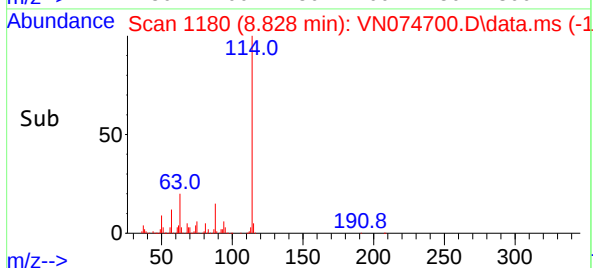
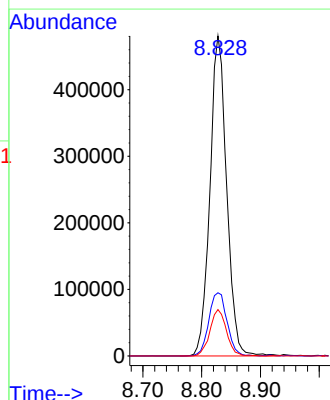
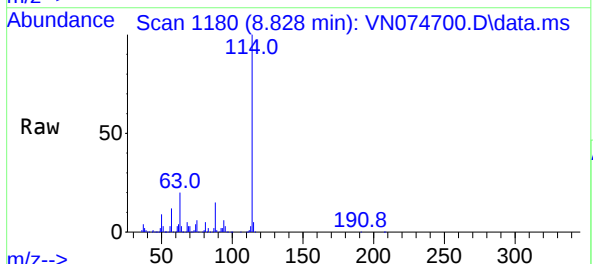
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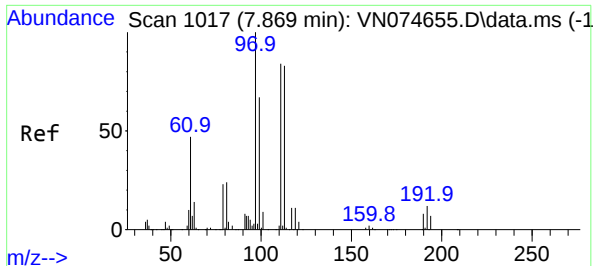
Tgt Ion: 65 Resp: 633775
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

Tgt Ion:114 Resp: 949206
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.0
88 14.5 0.0 32.6

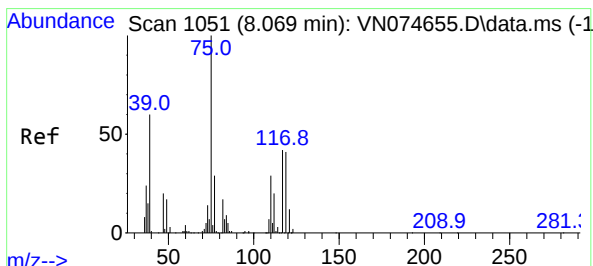
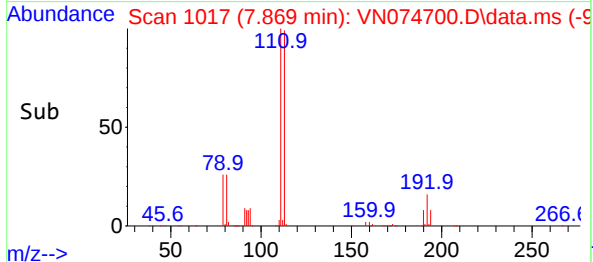
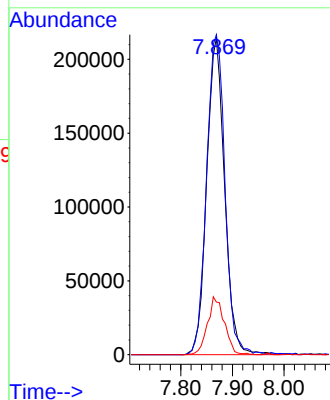
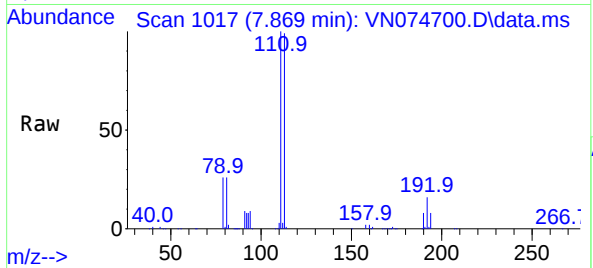




#35
Dibromofluoromethane
Concen: 51.245 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

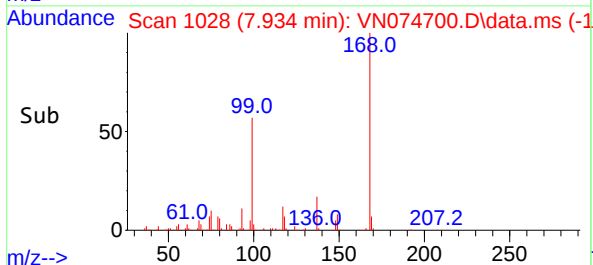
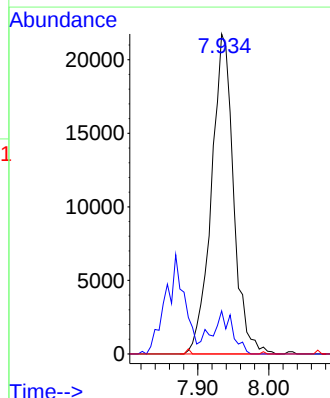
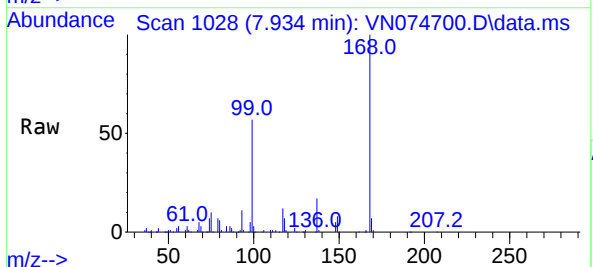
Instrument :
MSVOA_N
ClientSampleId :
MW-122

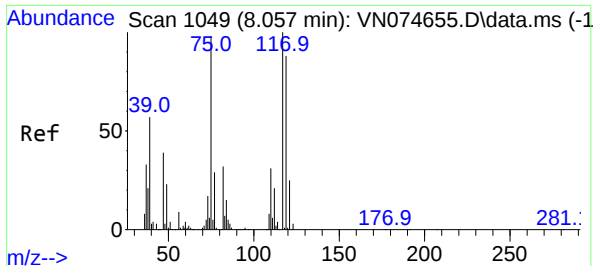
Tgt Ion:113 Resp: 514857
Ion Ratio Lower Upper
113 100
111 104.0 81.4 122.0
192 17.3 17.0 25.6



#36
1,1-Dichloropropene
Concen: 2.916 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.135 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

Tgt Ion: 75 Resp: 46925
Ion Ratio Lower Upper
75 100
110 12.1 18.3 54.8#
77 0.0 25.1 37.7#

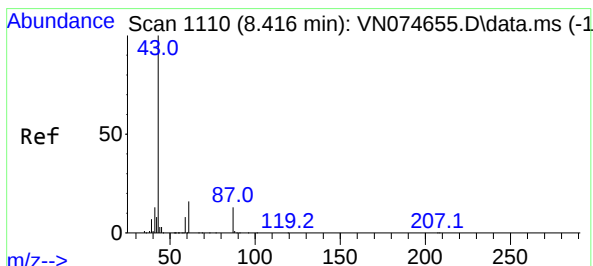
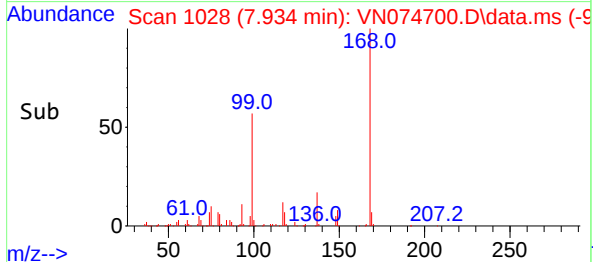
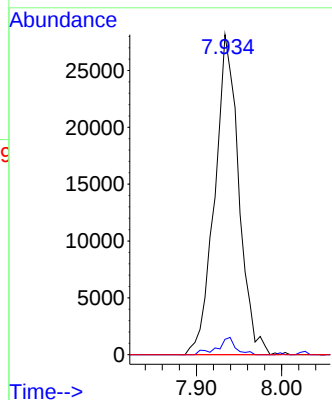
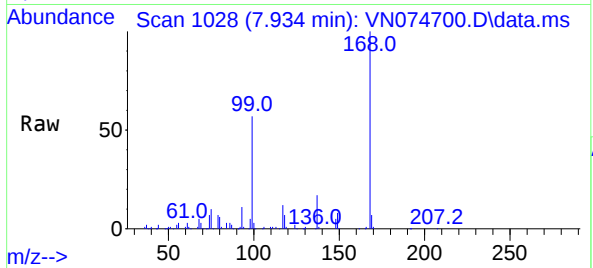




#38
Carbon Tetrachloride
Concen: 3.746 ug/l
RT: 7.934 min Scan# 1104
Delta R.T. -0.123 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

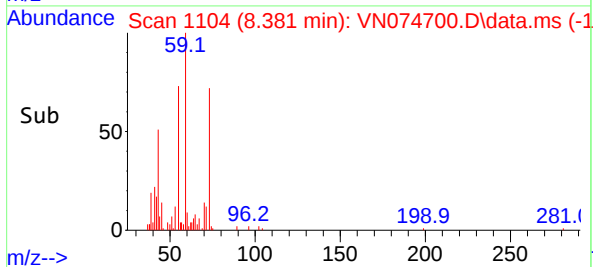
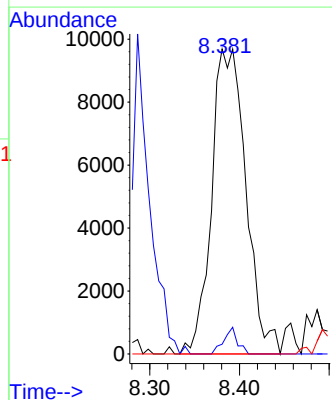
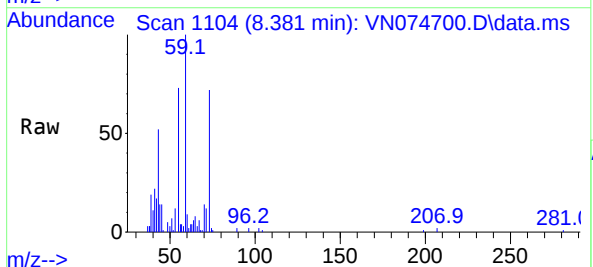
Instrument :
MSVOA_N
ClientSampleId :
MW-122

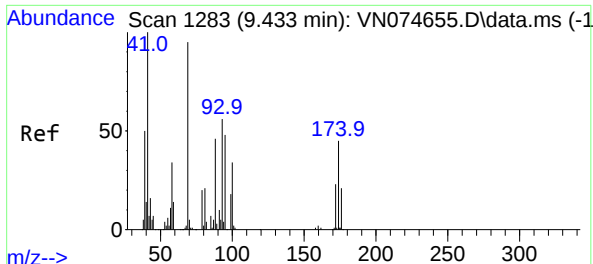
Tgt Ion:117 Resp: 55220
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.675 ug/l
RT: 8.381 min Scan# 1104
Delta R.T. -0.035 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

Tgt Ion: 43 Resp: 25686
Ion Ratio Lower Upper
43 100
61 3.5 21.9 32.9#
87 0.0 12.0 18.0#

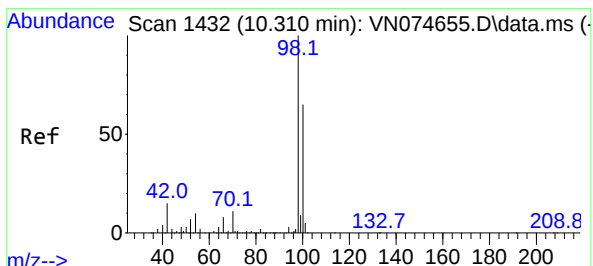
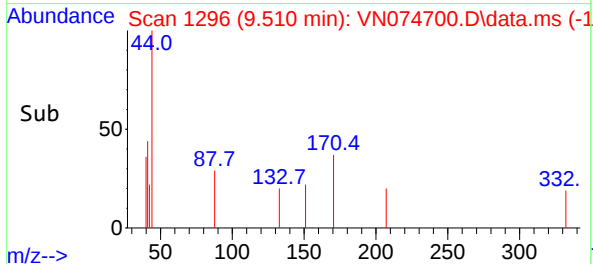
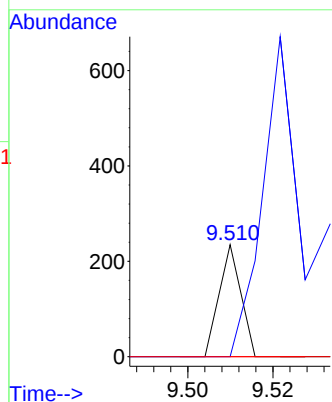
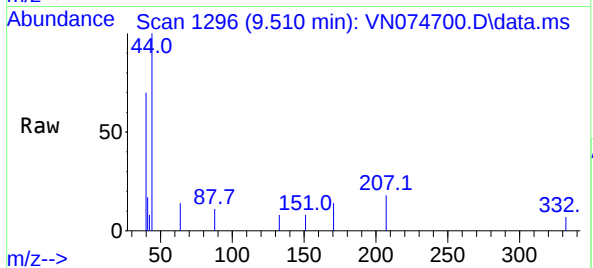




#49
1,4-Dioxane
Concen: 0.277 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.077 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

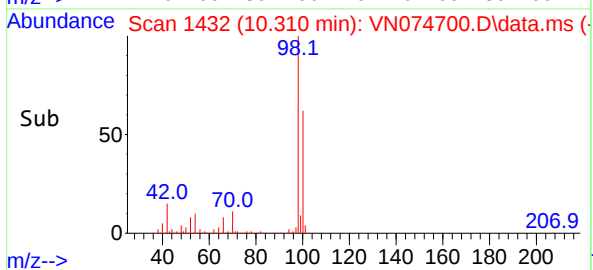
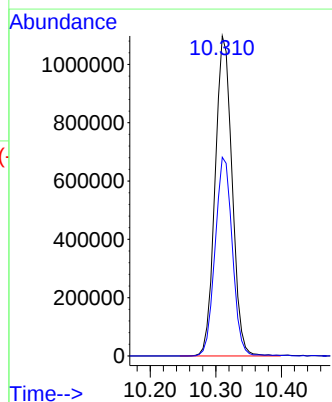
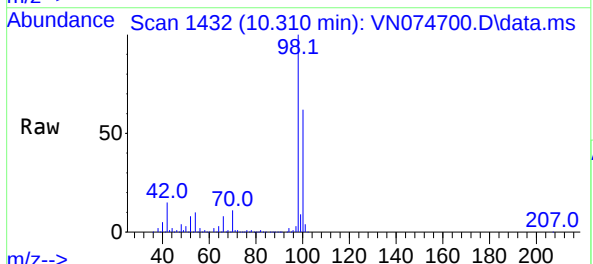
Instrument :
MSVOA_N
ClientSampleId :
MW-122

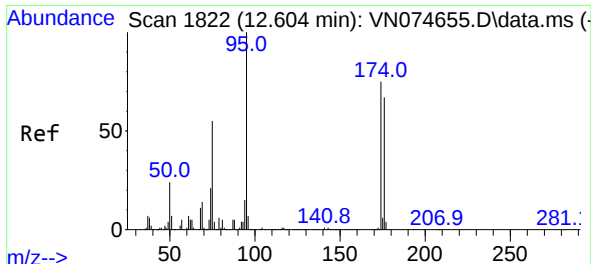
Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 659.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 46.646 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

Tgt Ion: 98 Resp: 1971265
Ion Ratio Lower Upper
98 100
100 63.1 52.6 78.8

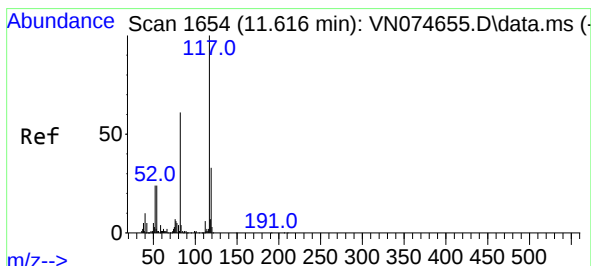
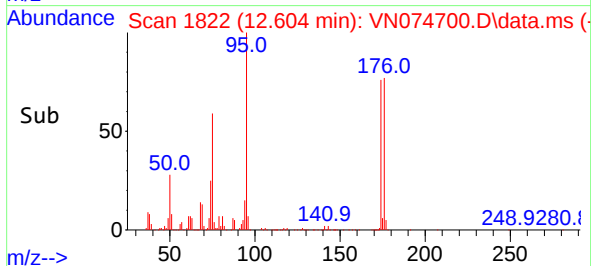
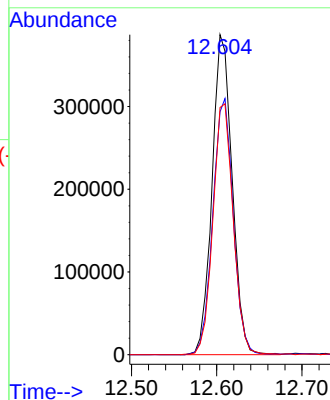
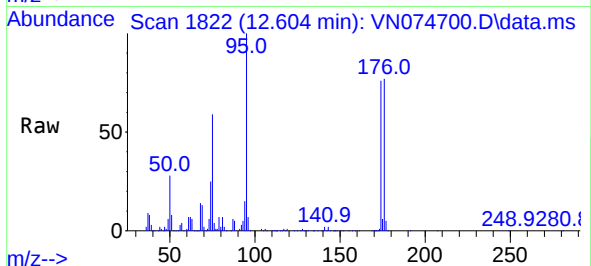




#62
4-Bromofluorobenzene
Concen: 47.309 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

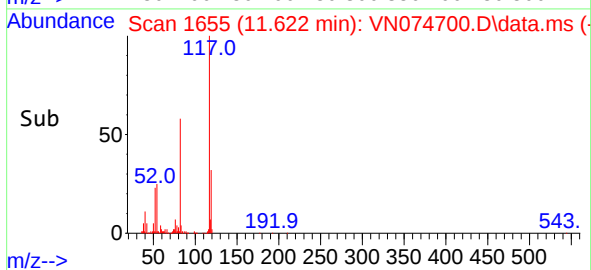
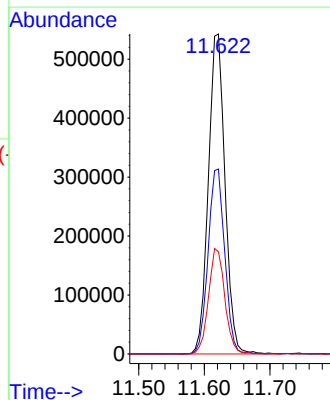
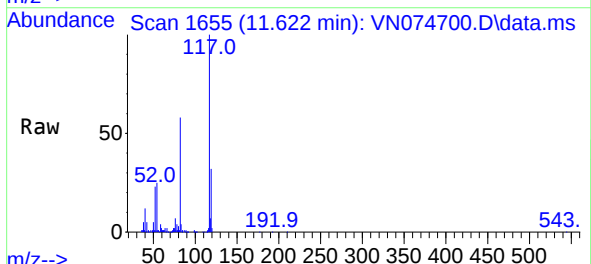
Instrument :
MSVOA_N
ClientSampleId :
MW-122

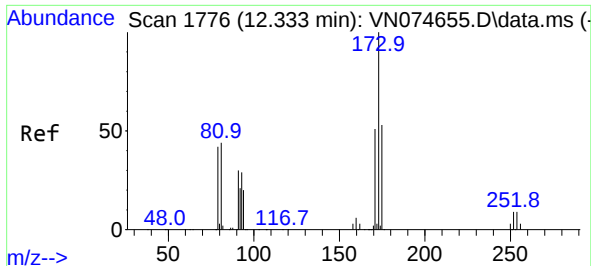
Tgt Ion: 95 Resp: 633954
Ion Ratio Lower Upper
95 100
174 81.3 0.0 167.6
176 79.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.622 min Scan# 1655
Delta R.T. 0.006 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

Tgt Ion: 117 Resp: 960422
Ion Ratio Lower Upper
117 100
82 57.8 44.2 66.2
119 31.9 25.4 38.0

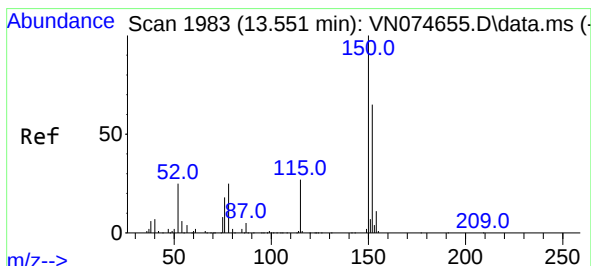
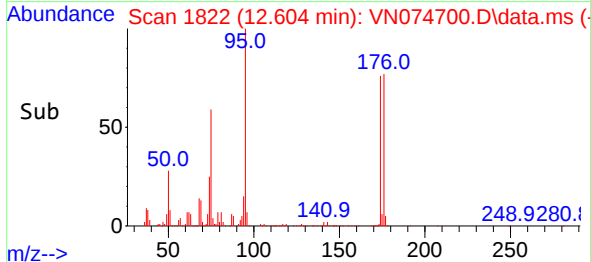
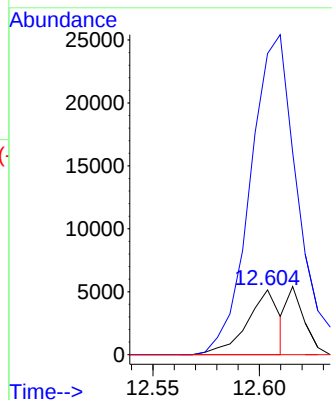
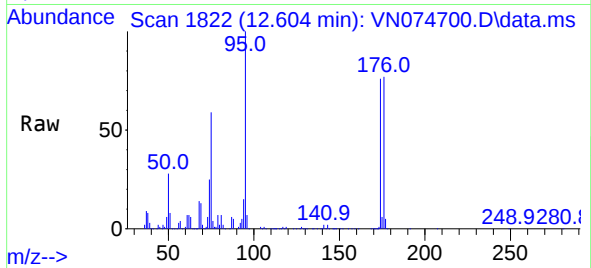




#71
Bromoform
Concen: 0.660 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.271 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

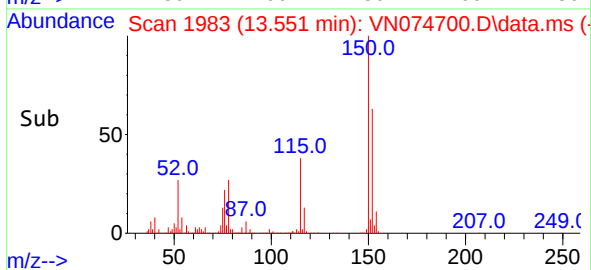
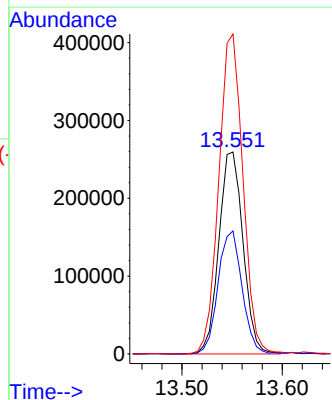
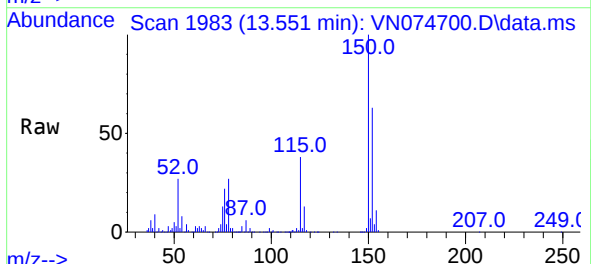
Instrument :
MSVOA_N
ClientSampleId :
MW-122

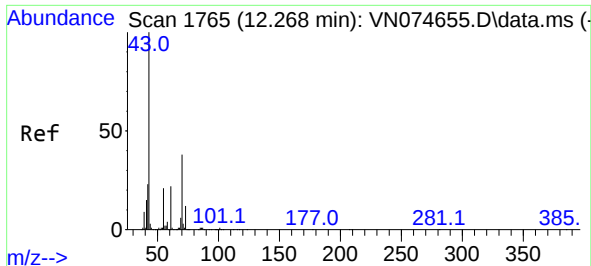
Tgt Ion:173 Resp: 5428
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

Tgt Ion:152 Resp: 434342
Ion Ratio Lower Upper
152 100
115 61.0 28.9 86.7
150 158.0 0.0 356.2

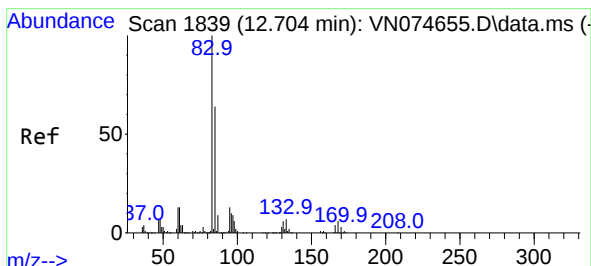
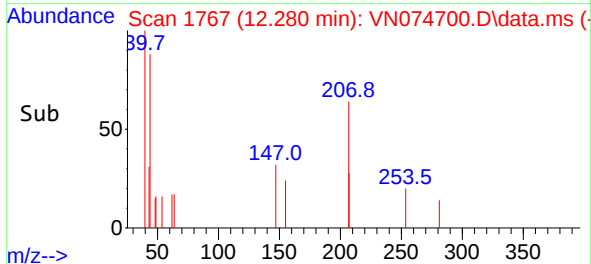
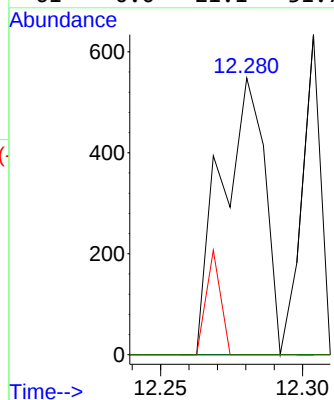
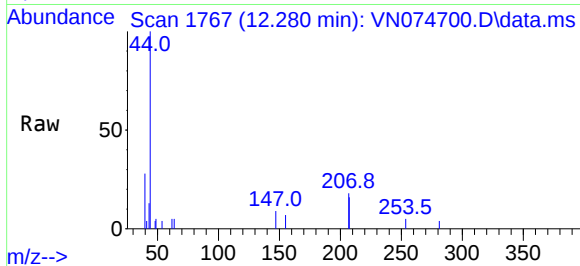




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.280 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

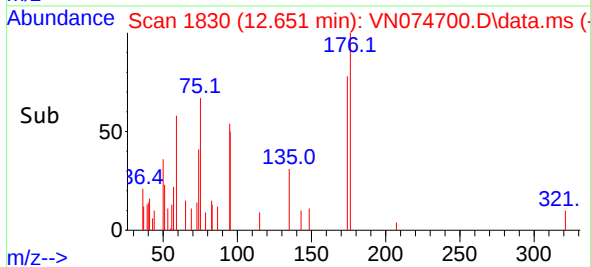
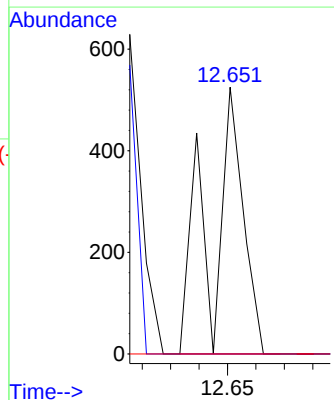
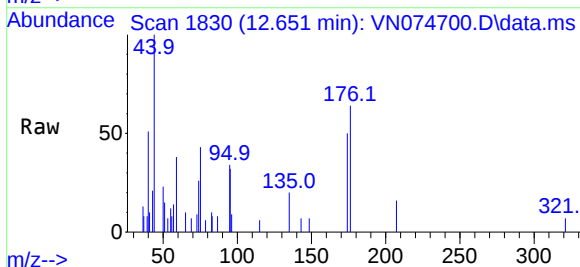
Instrument :
MSVOA_N
ClientSampleId :
MW-122

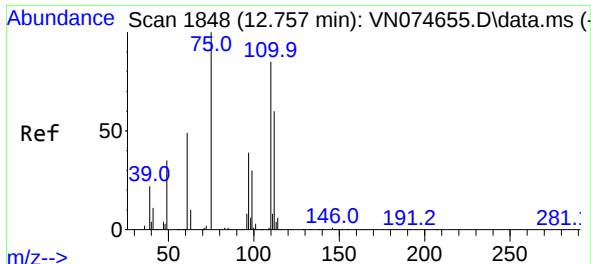
Tgt Ion:	43	Resp:	582
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	12.5	21.1	31.7#
61	0.0	21.1	31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.651 min Scan# 1830
Delta R.T. -0.053 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

Tgt Ion:	83	Resp:	415
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.9#
85	0.0	32.3	96.9#

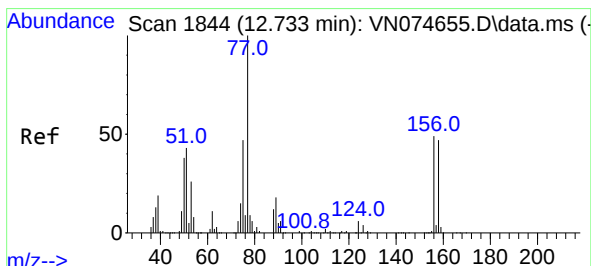
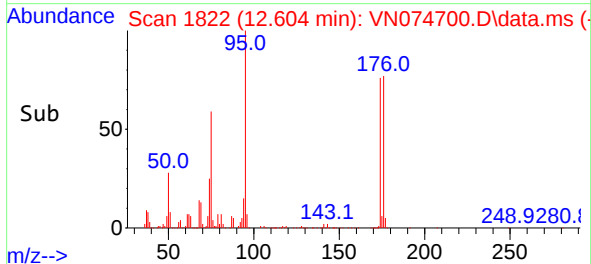
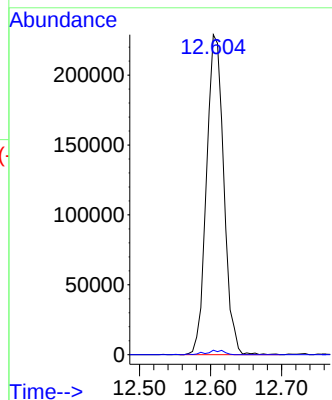
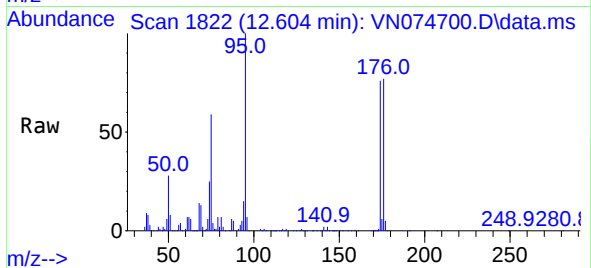




#76
1,2,3-Trichloropropane
Concen: 39.342 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

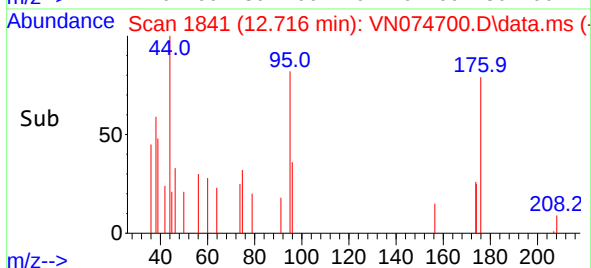
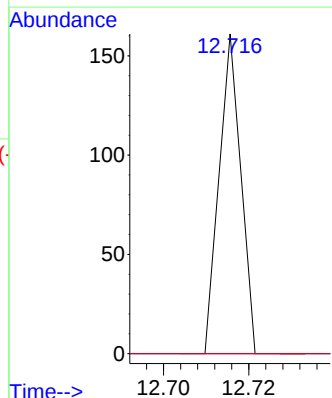
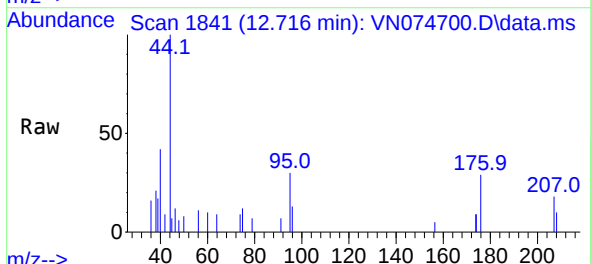
Instrument :
MSVOA_N
ClientSampleId :
MW-122

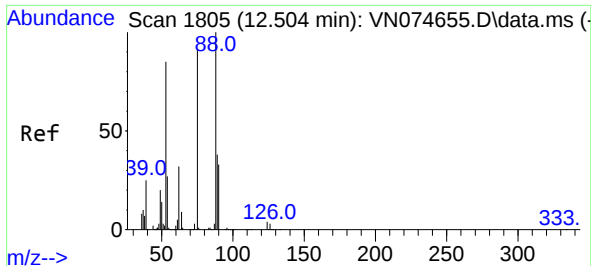
Tgt Ion: 75 Resp: 386900
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.716 min Scan# 1841
Delta R.T. -0.017 min
Lab File: VN074700.D
Acq: 01 Oct 2022 09:15

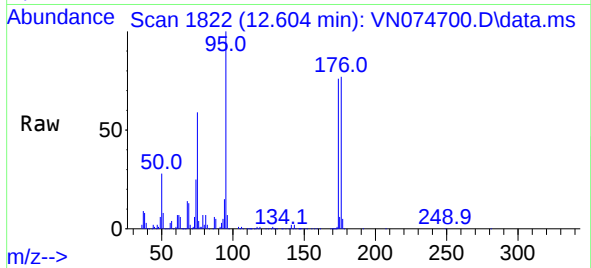
Tgt Ion: 156 Resp: 57
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 0.0 48.9 146.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.439 ug/l
 RT: 12.604 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VN074700.D
 Acq: 01 Oct 2022 09:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-122



Tgt Ion: 75 Resp: 386900
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

