

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074692.D
 Acq On : 01 Oct 2022 06:01
 Operator : JC\MD
 Sample : N4882-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW106S

Quant Time: Oct 03 02:12:09 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)

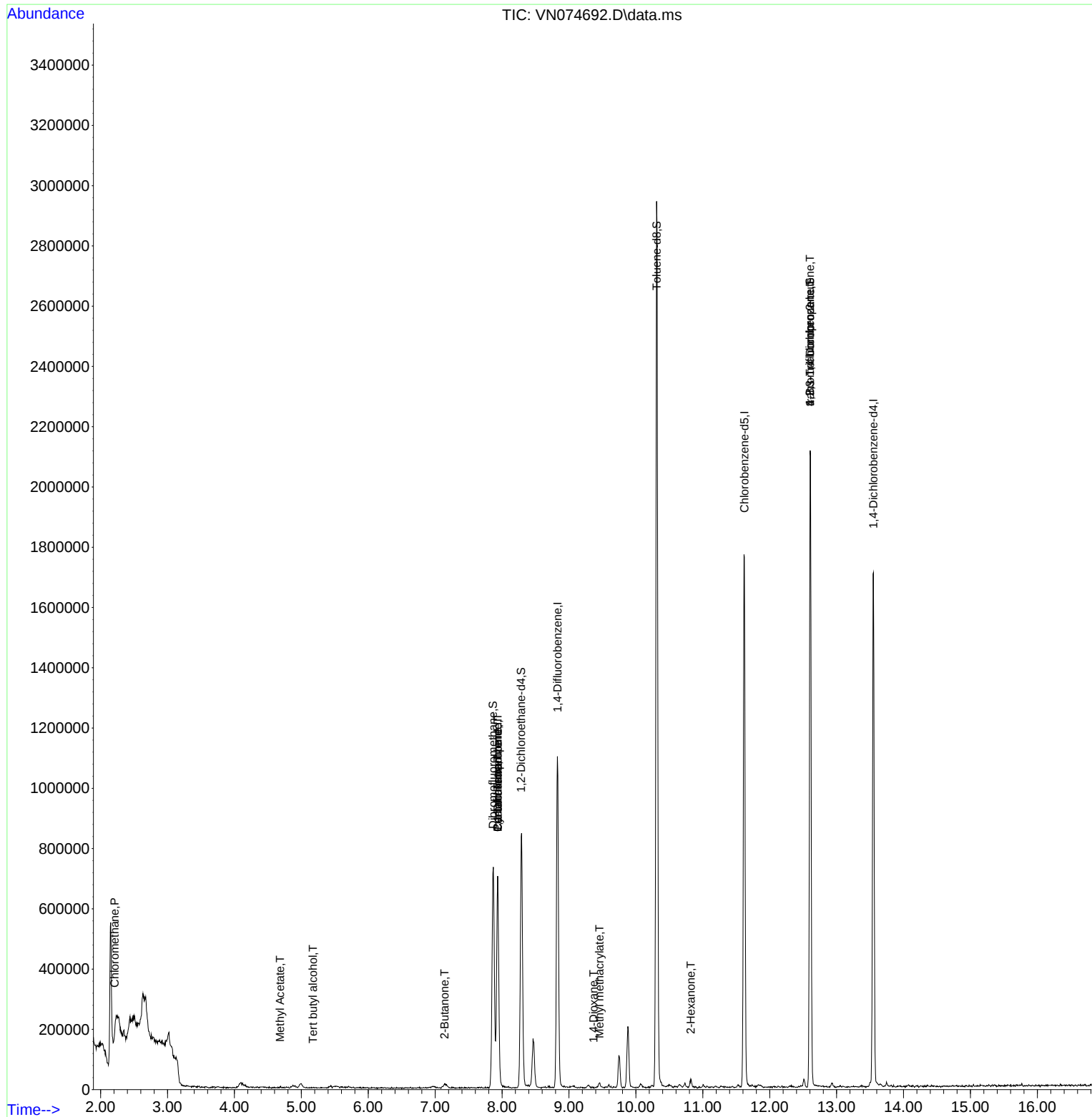
Internal Standards						
1) Pentafluorobenzene	7.933	168	480801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	939026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.621	117	944151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	426835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	633938	52.609	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.220%
35) Dibromofluoromethane	7.863	113	513769	51.691	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.380%
50) Toluene-d8	10.310	98	1935186	46.288	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.580%
62) 4-Bromofluorobenzene	12.604	95	641144	48.364	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.720%
Target Compounds						
					Qvalue	
3) Chloromethane	2.210	50	3081	0.209	ug/l #	60
8) Diethyl Ether	3.469	74	283	Below Cal		82
11) Tert butyl alcohol	5.175	59	1771	0.550	ug/l #	81
13) Acrolein	3.881	56	102	Below Cal	#	81
16) Acetone	4.122	43	17950	Below Cal	#	73
18) Methyl Acetate	4.681	43	5397	0.242	ug/l #	66
20) Methylene Chloride	4.904	84	463	Below Cal	#	19
25) 2-Butanone	7.139	43	3409	0.307	ug/l #	45
31) Cyclohexane	7.933	56	19741	1.008	ug/l #	77
36) 1,1-Dichloropropene	7.933	75	48128	3.024	ug/l #	48
38) Carbon Tetrachloride	7.933	117	51521	3.533	ug/l #	16
48) Methyl methacrylate	9.457	41	3878	0.250	ug/l #	42
49) 1,4-Dioxane	9.369	88	160	0.541	ug/l #	1
59) 2-Hexanone	10.821	43	18407	1.022	ug/l	71
74) N-amyl acetate	12.298	43	860	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.780	83	81	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.604	75	386976	40.093	ug/l #	1
77) Bromobenzene	12.733	156	157	Below Cal	#	56
81) trans-1,4-Dichloro-2-b...	12.604	75	386976	75.763	ug/l #	10

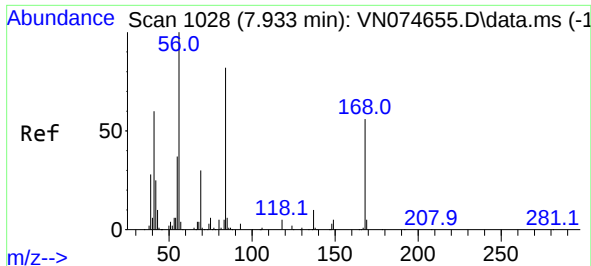
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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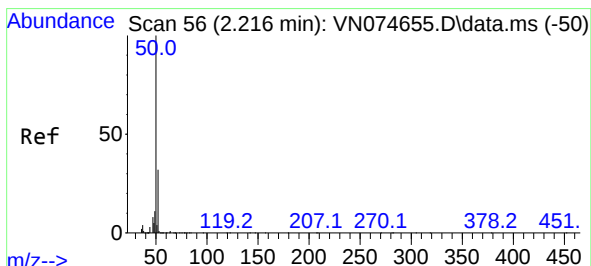
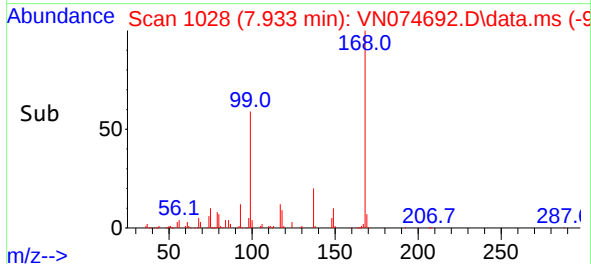
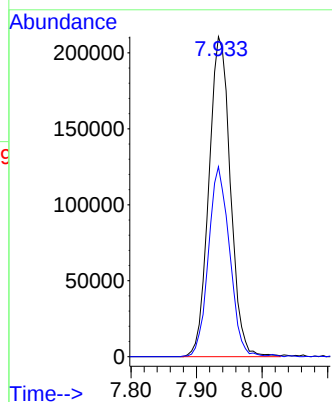
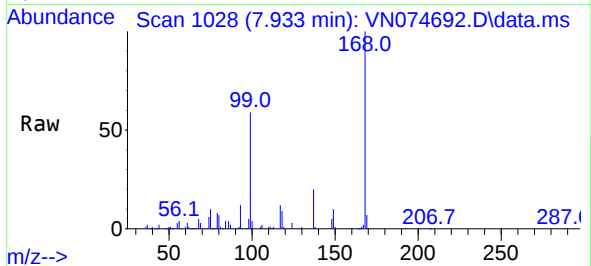




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

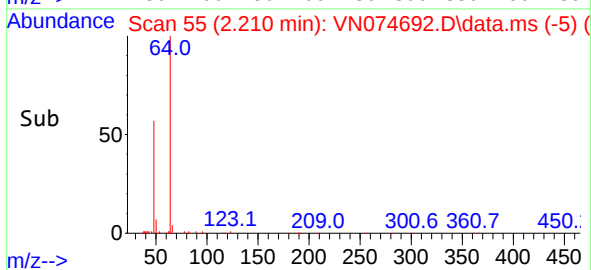
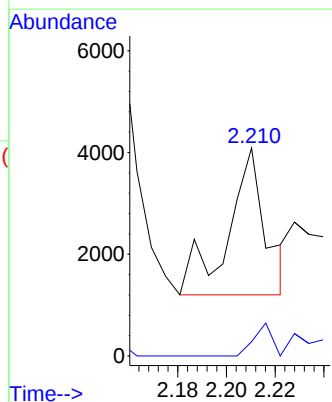
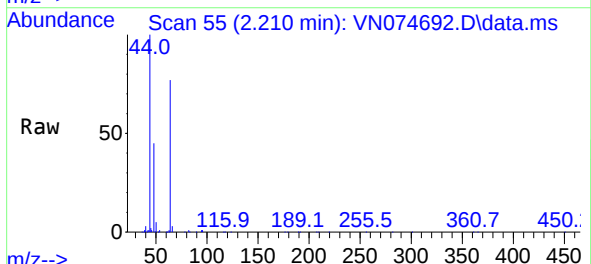
Instrument :
MSVOA_N
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MW106S

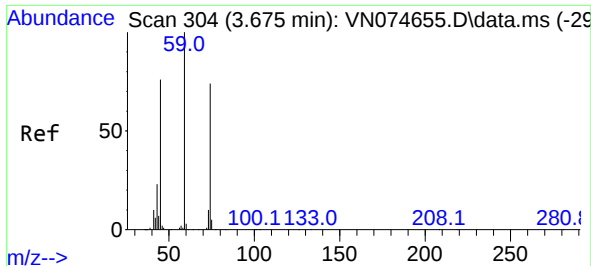
Tgt Ion:168 Resp: 480801
Ion Ratio Lower Upper
168 100
99 59.4 42.3 63.5



#3
Chloromethane
Concen: 0.209 ug/l
RT: 2.210 min Scan# 55
Delta R.T. -0.006 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

Tgt Ion: 50 Resp: 3081
Ion Ratio Lower Upper
50 100
52 9.7 25.7 38.5#

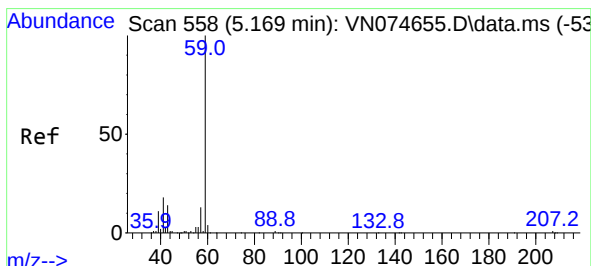
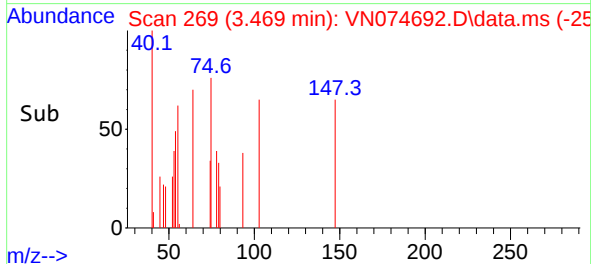
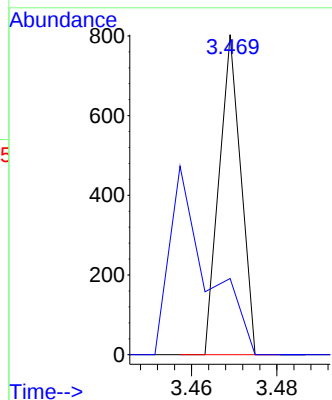
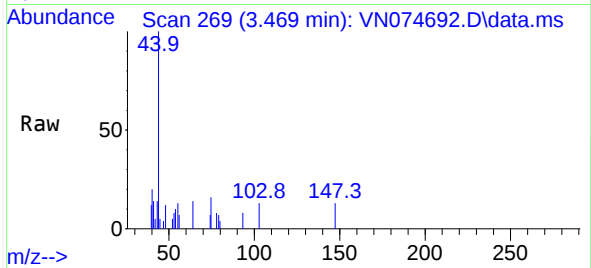




#8
Diethyl Ether
Concen: Below Cal
RT: 3.469 min Scan# 20
Delta R.T. -0.206 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

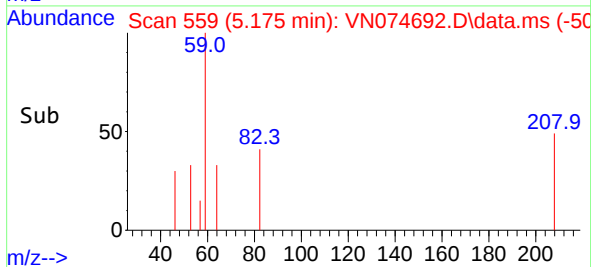
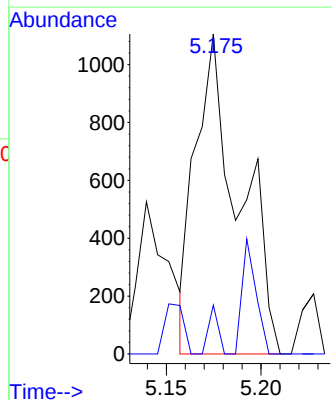
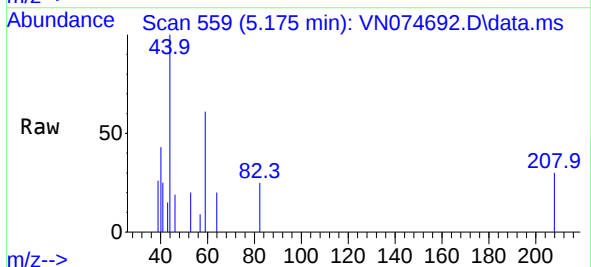
Instrument :
MSVOA_N
ClientSampleId :
MW106S

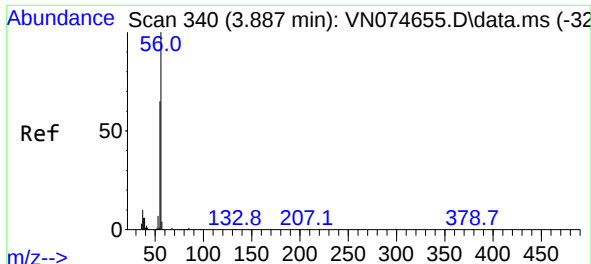
Tgt Ion: 74 Resp: 283
Ion Ratio Lower Upper
74 100
45 102.5 42.9 128.5



#11
Tert butyl alcohol
Concen: 0.550 ug/l
RT: 5.175 min Scan# 559
Delta R.T. 0.006 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

Tgt Ion: 59 Resp: 1771
Ion Ratio Lower Upper
59 100
57 3.4 8.3 12.5#

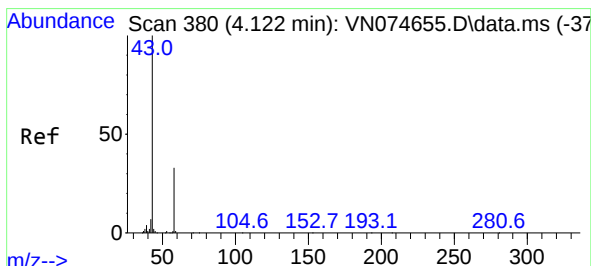
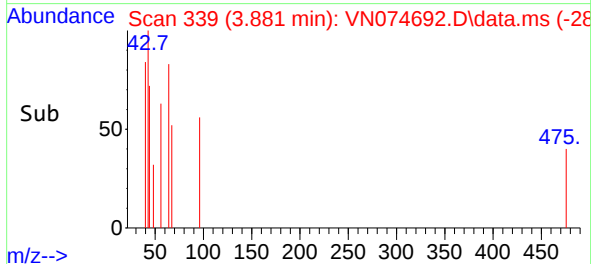
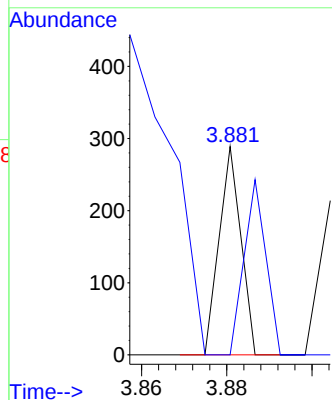
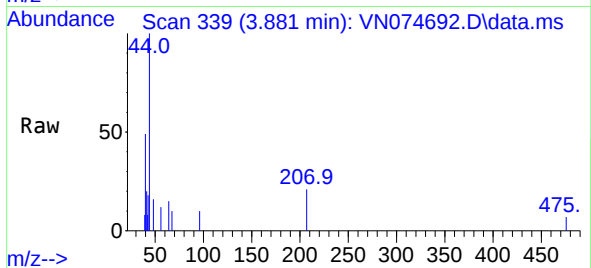




#13
Acrolein
Concen: Below Cal
RT: 3.881 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

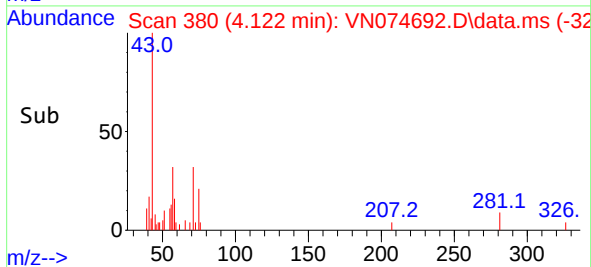
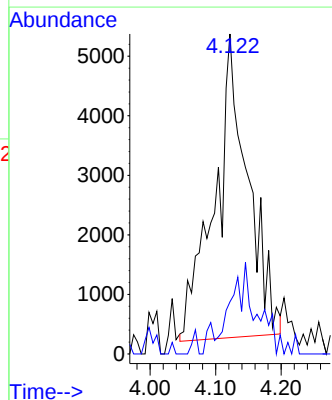
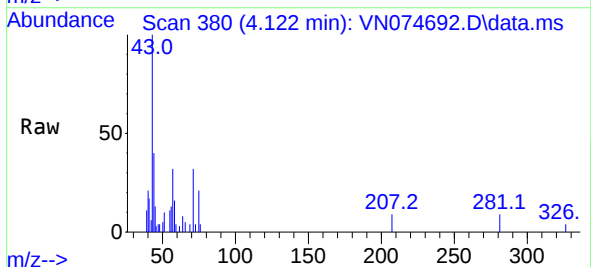
Instrument :
MSVOA_N
ClientSampleId :
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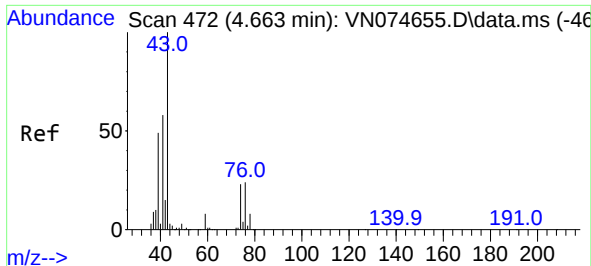
Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 84.3 54.8 82.2#



#16
Acetone
Concen: Below Cal
RT: 4.122 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

Tgt Ion: 43 Resp: 17950
Ion Ratio Lower Upper
43 100
58 17.4 26.0 39.0#

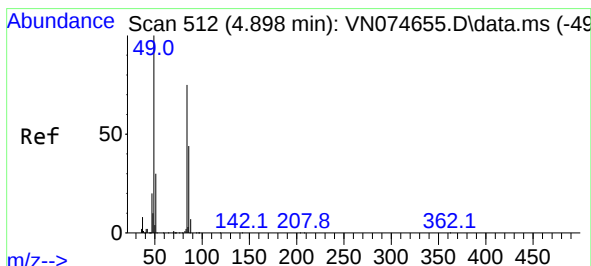
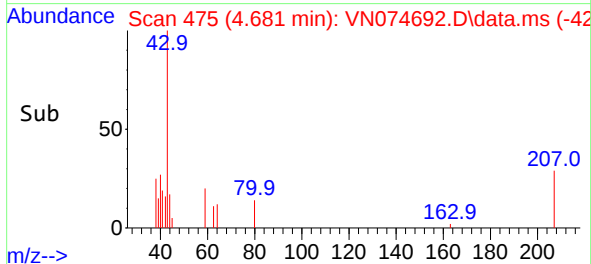
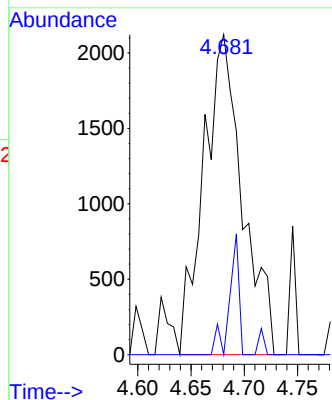
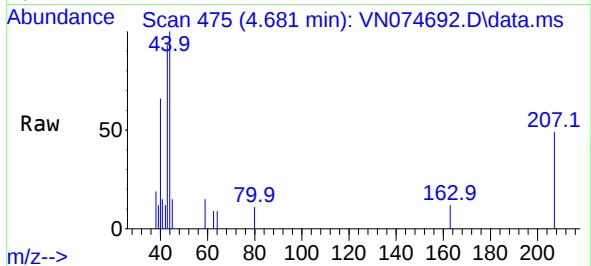




#18
Methyl Acetate
Concen: 0.242 ug/l
RT: 4.681 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

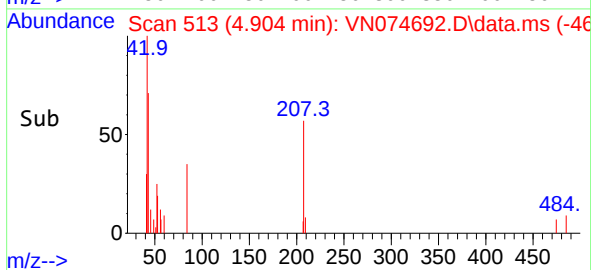
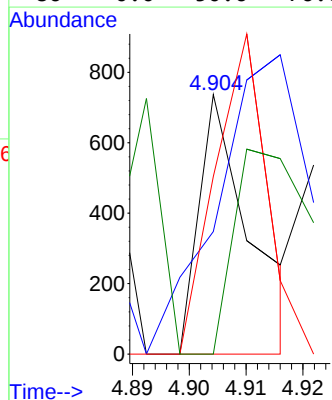
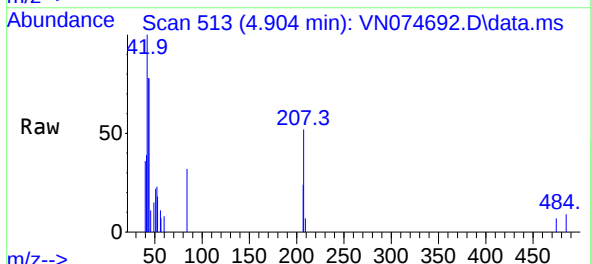
Instrument :
MSVOA_N
ClientSampleId :
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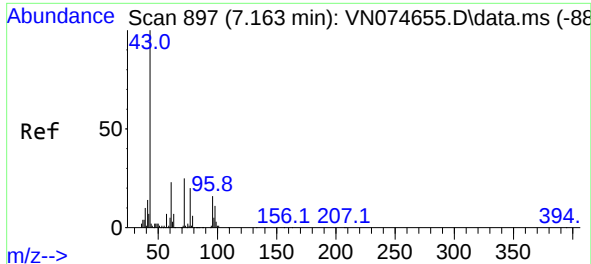
Tgt Ion: 43 Resp: 5397
Ion Ratio Lower Upper
43 100
74 9.2 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.904 min Scan# 513
Delta R.T. 0.006 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

Tgt Ion: 84 Resp: 463
Ion Ratio Lower Upper
84 100
49 17.6 88.3 132.5#
51 68.4 28.2 42.2#
86 0.0 50.6 76.0#

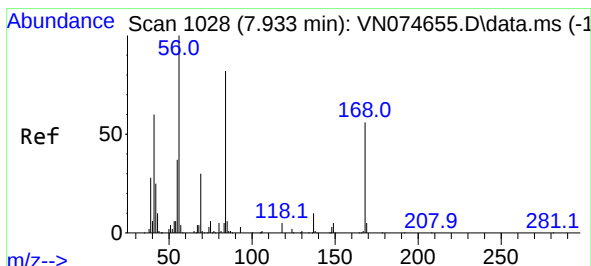
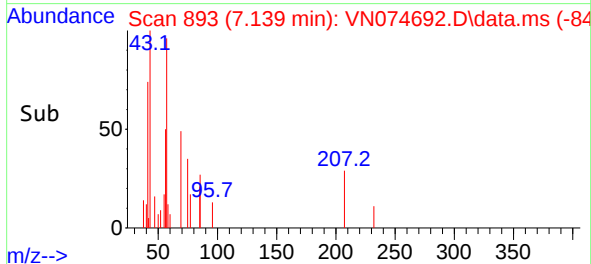
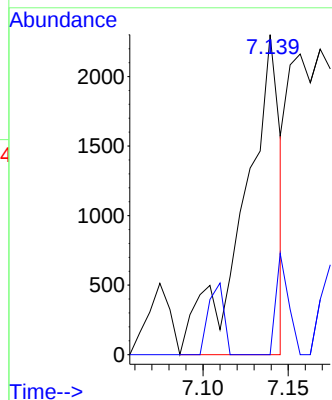
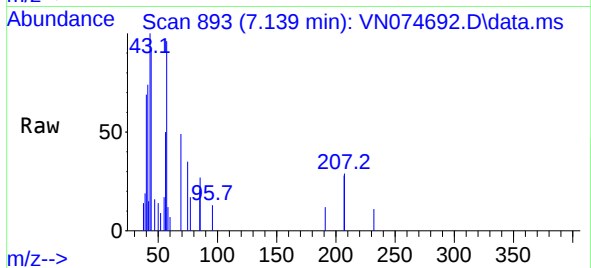




#25
2-Butanone
Concen: 0.307 ug/l
RT: 7.139 min Scan# 897
Delta R.T. -0.024 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

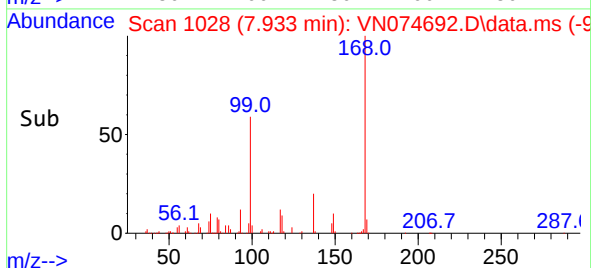
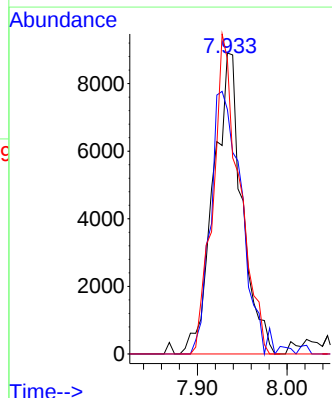
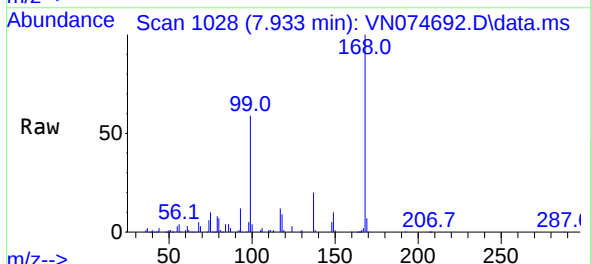
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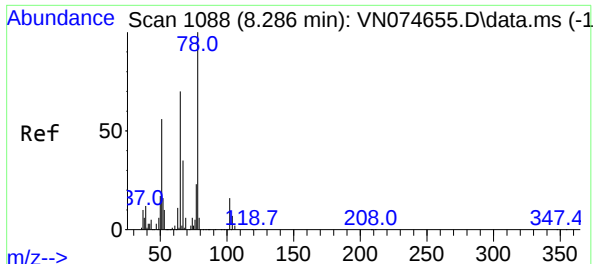
Tgt Ion: 43 Resp: 3409
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.008 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

Tgt Ion: 56 Resp: 19741
Ion Ratio Lower Upper
56 100
69 81.3 27.8 41.8#
84 97.9 76.9 115.3

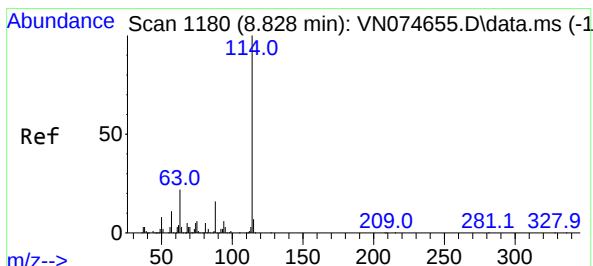
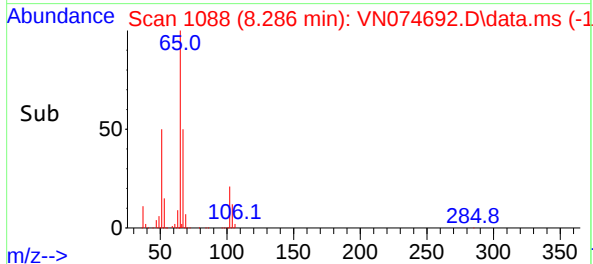
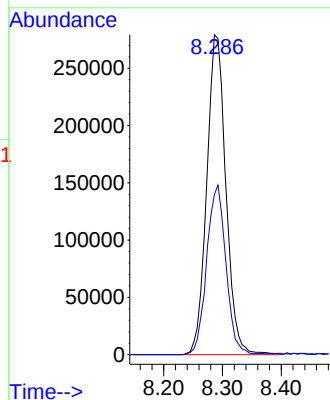
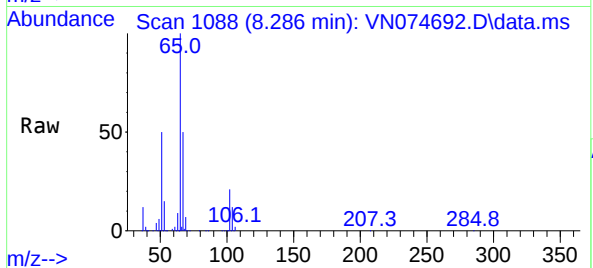




#33
1,2-Dichloroethane-d4
Concen: 52.609 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

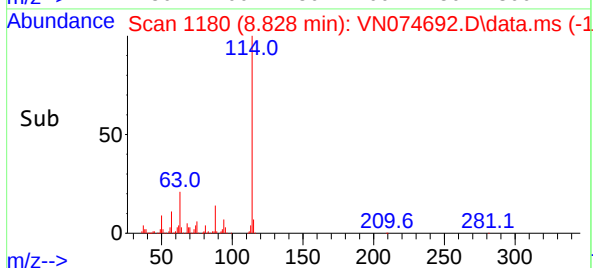
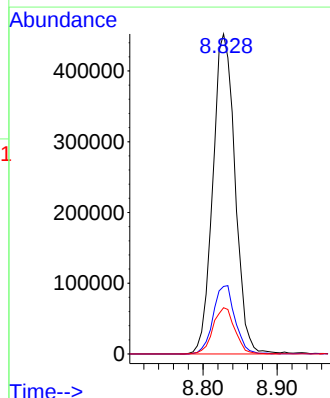
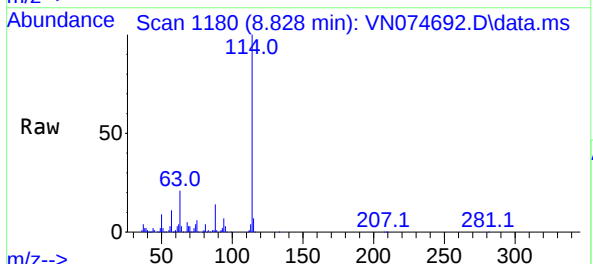
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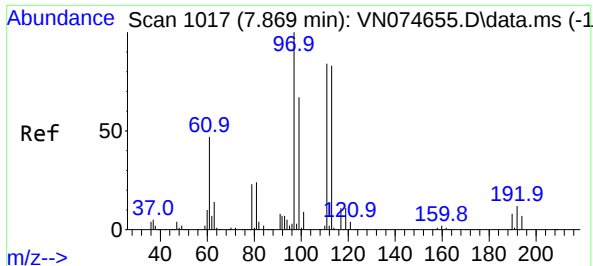
Tgt Ion: 65 Resp: 633938
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

Tgt Ion:114 Resp: 939026
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.0
88 14.4 0.0 32.6

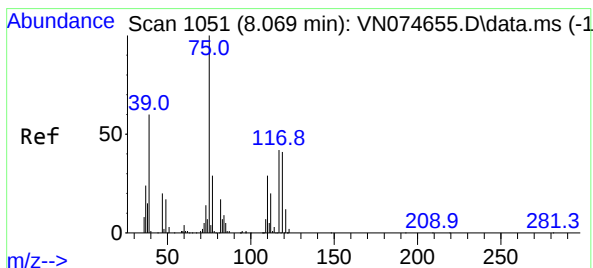
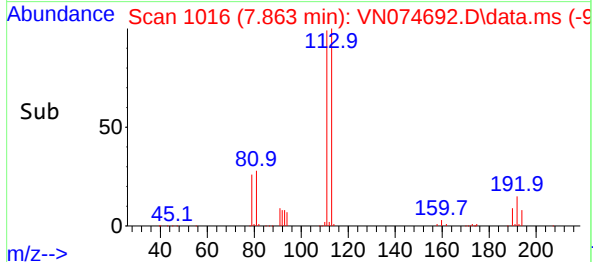
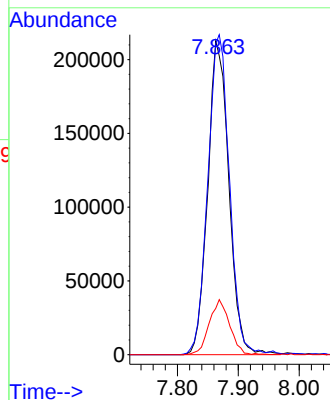
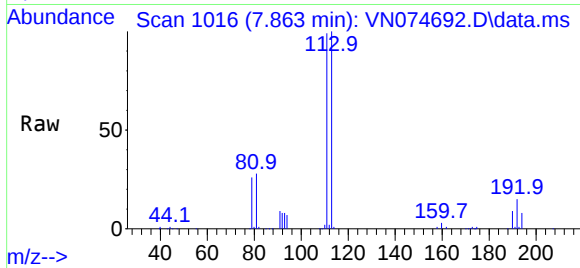




#35
Dibromofluoromethane
Concen: 51.691 ug/l
RT: 7.863 min Scan# 1017
Delta R.T. -0.006 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

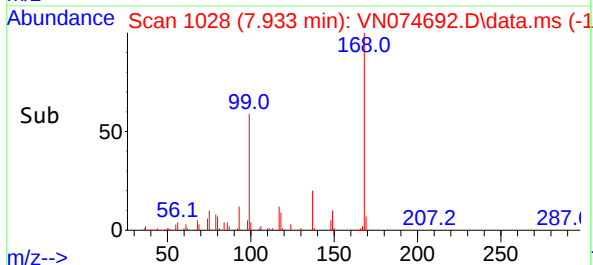
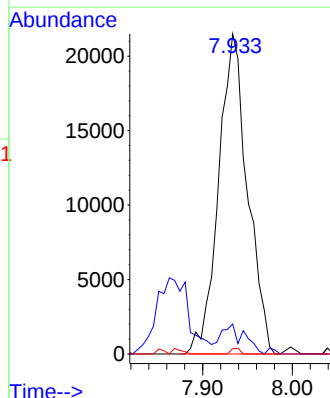
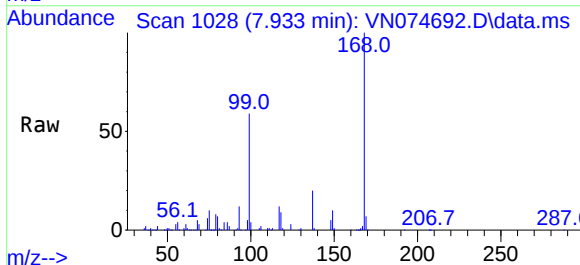
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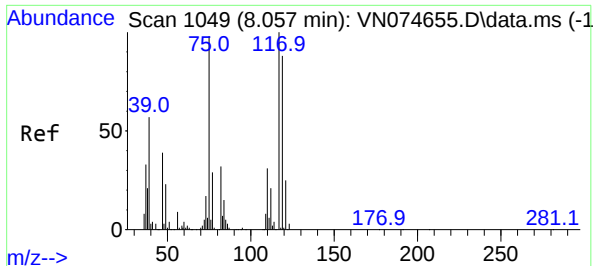
Tgt Ion:113 Resp: 513769
Ion Ratio Lower Upper
113 100
111 103.8 81.4 122.0
192 16.8 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 3.024 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. -0.136 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

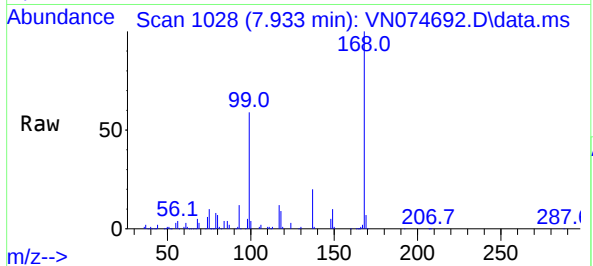
Tgt Ion: 75 Resp: 48128
Ion Ratio Lower Upper
75 100
110 7.5 18.3 54.8#
77 0.5 25.1 37.7#



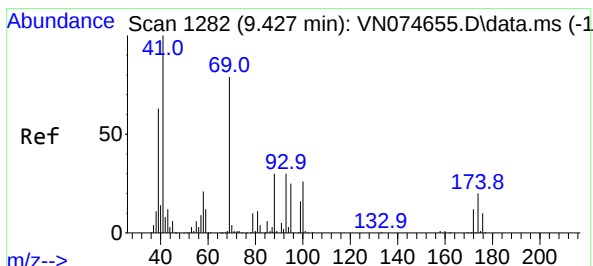
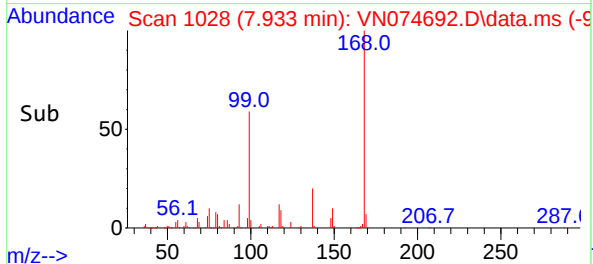
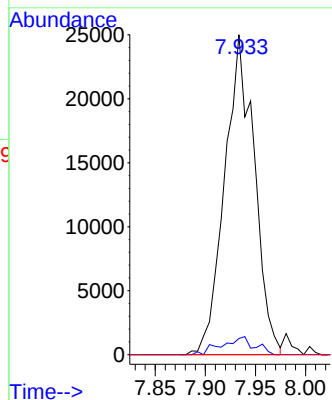


#38
Carbon Tetrachloride
Concen: 3.533 ug/l
RT: 7.933 min Scan# 1049
Delta R.T. -0.124 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

Instrument :
MSVOA_N
ClientSampleId :
MW106S

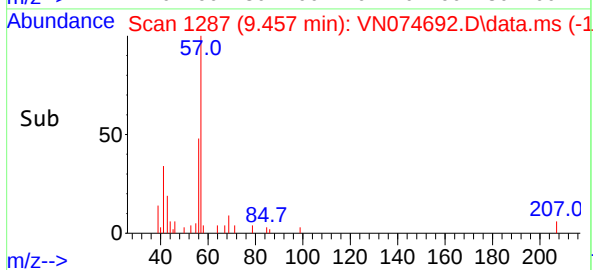
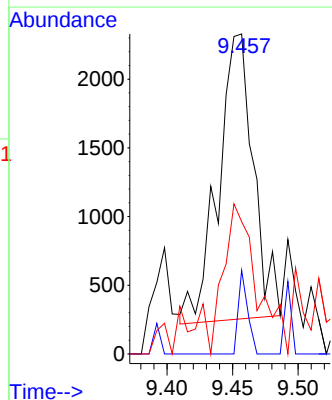
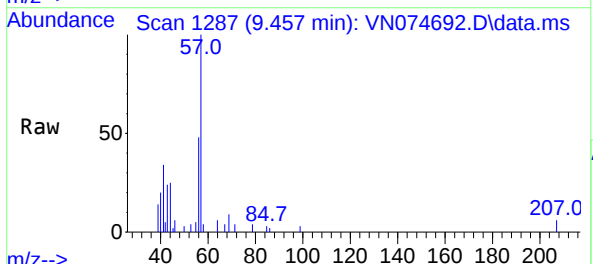


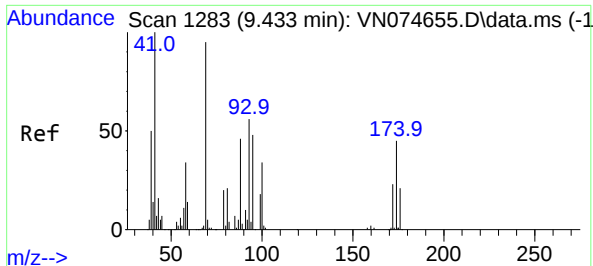
Tgt Ion: 117 Resp: 51521
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 0.250 ug/l
RT: 9.457 min Scan# 1287
Delta R.T. 0.030 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

Tgt Ion: 41 Resp: 3878
Ion Ratio Lower Upper
41 100
69 7.7 74.7 112.1#
39 52.7 45.6 68.4

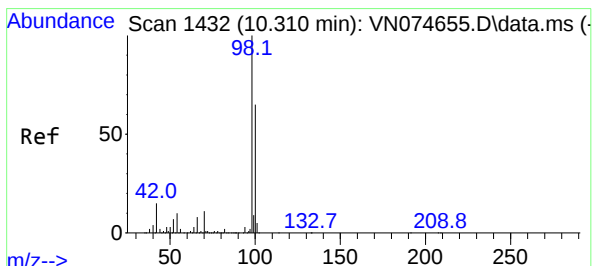
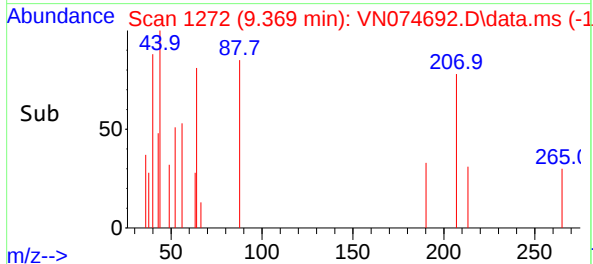
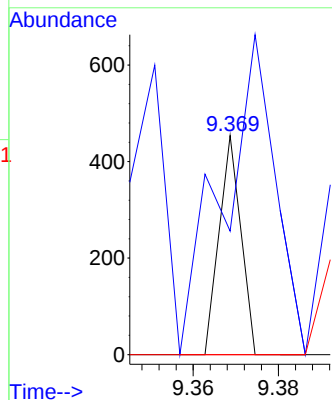
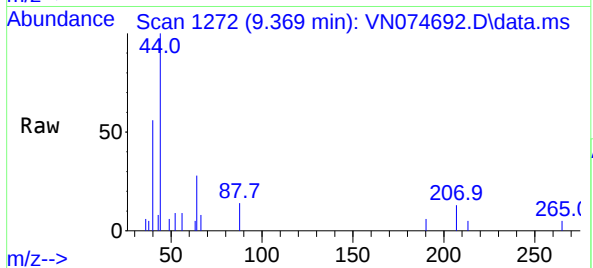




#49
1,4-Dioxane
Concen: 0.541 ug/l
RT: 9.369 min Scan# 11
Delta R.T. -0.064 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

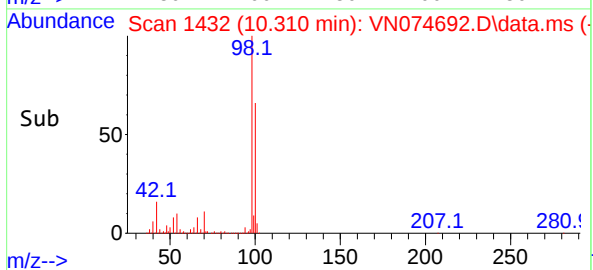
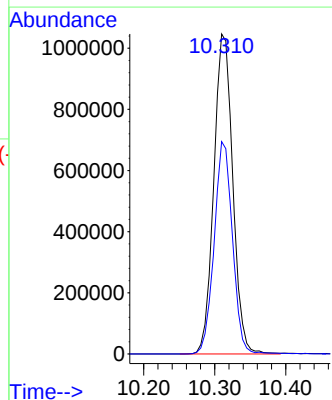
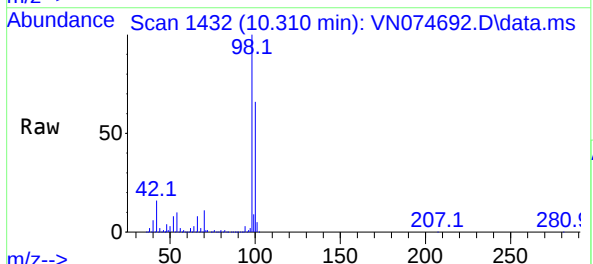
Instrument :
MSVOA_N
ClientSampleId :
MW106S

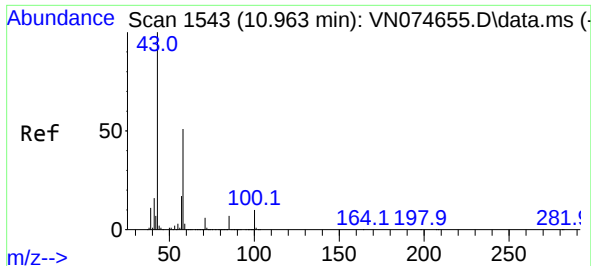
Tgt Ion: 88 Resp: 160
Ion Ratio Lower Upper
88 100
43 351.3 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 46.288 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

Tgt Ion: 98 Resp: 1935186
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8

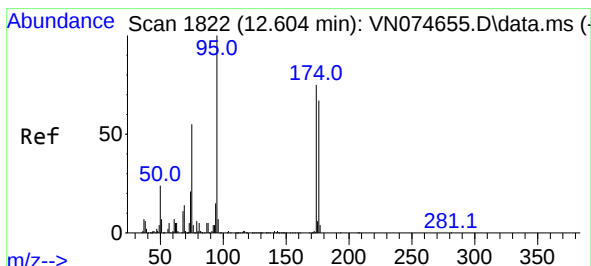
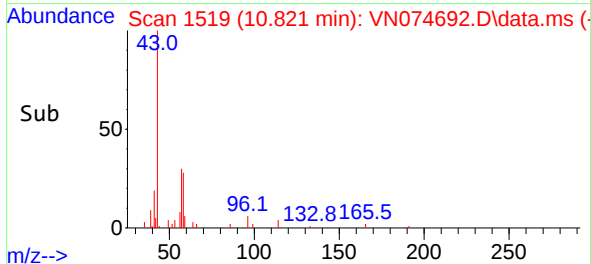
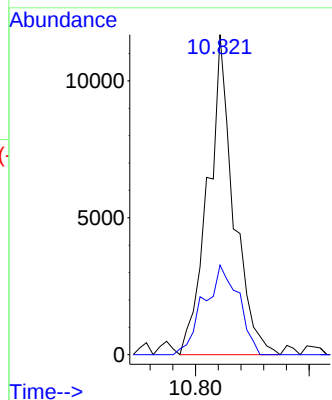
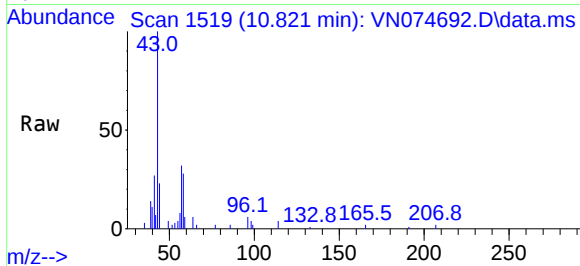




#59
2-Hexanone
Concen: 1.022 ug/l
RT: 10.821 min Scan# 1519
Delta R.T. -0.142 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

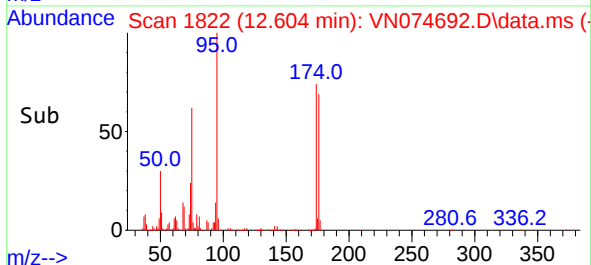
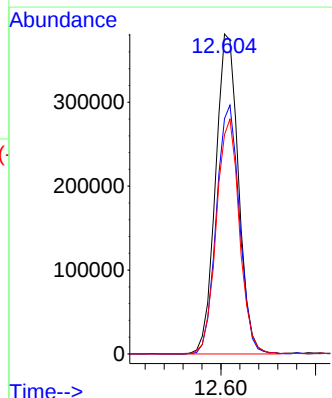
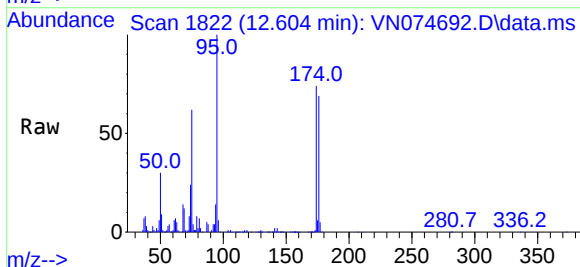
Instrument :
MSVOA_N
ClientSampleId :
MW106S

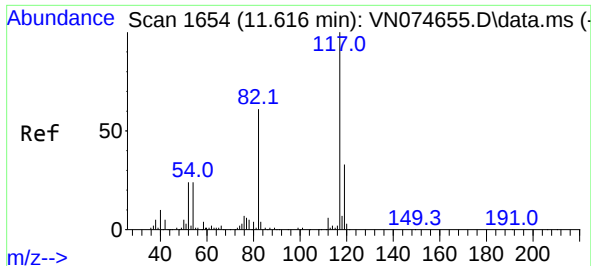
Tgt Ion: 43 Resp: 18407
Ion Ratio Lower Upper
43 100
58 37.7 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 48.364 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

Tgt Ion: 95 Resp: 641144
Ion Ratio Lower Upper
95 100
174 78.4 0.0 167.6
176 74.1 0.0 163.4

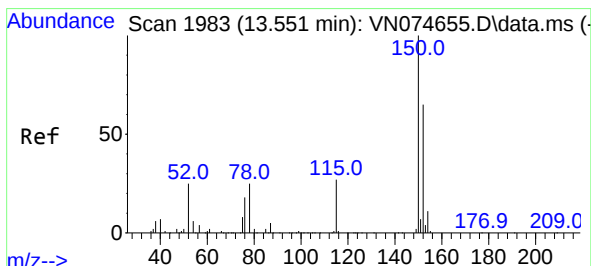
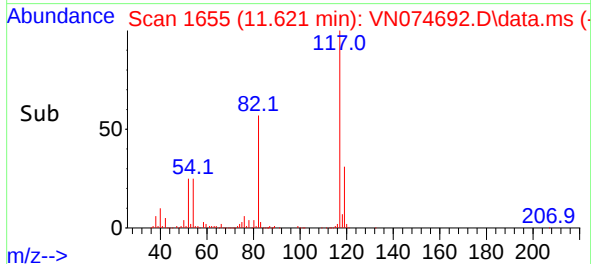
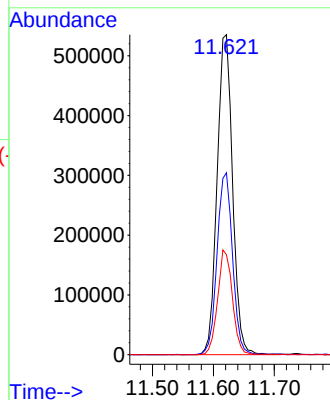
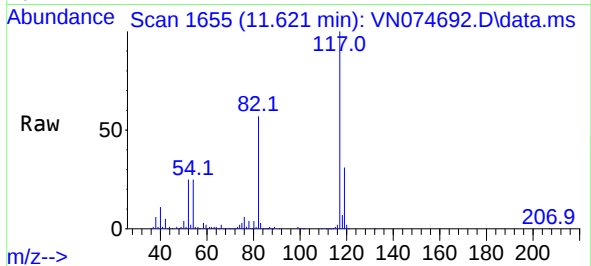




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.621 min Scan# 1170
Delta R.T. 0.005 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

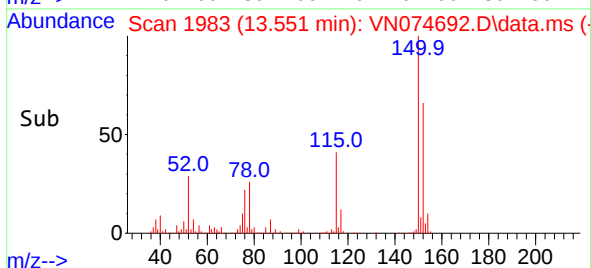
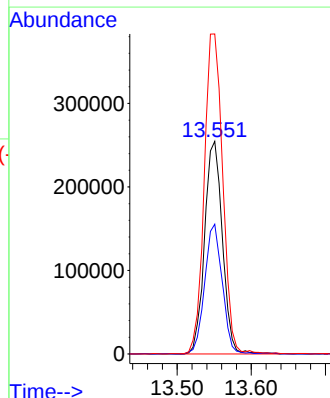
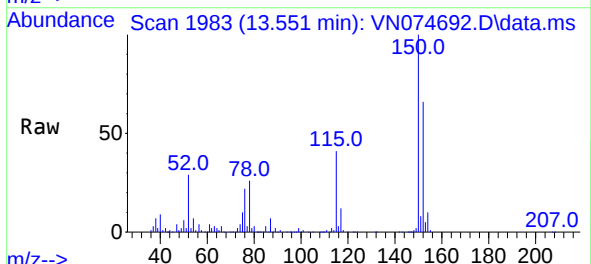
Instrument :
MSVOA_N
ClientSampleId :
MW106S

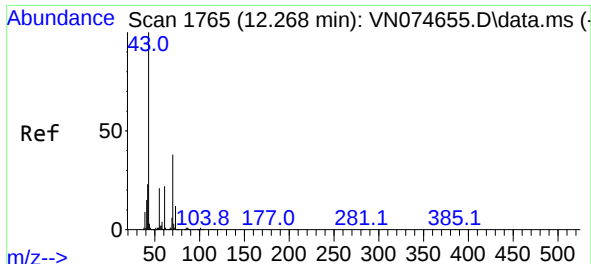
Tgt Ion:117 Resp: 944151
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.2
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

Tgt Ion:152 Resp: 426835
Ion Ratio Lower Upper
152 100
115 60.0 28.9 86.7
150 156.3 0.0 356.2

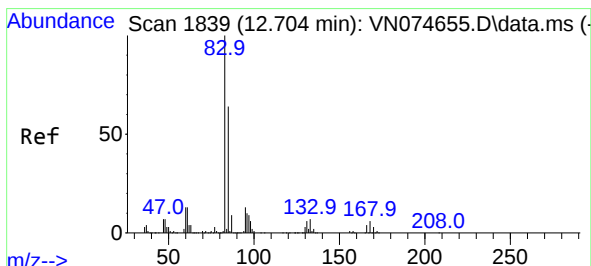
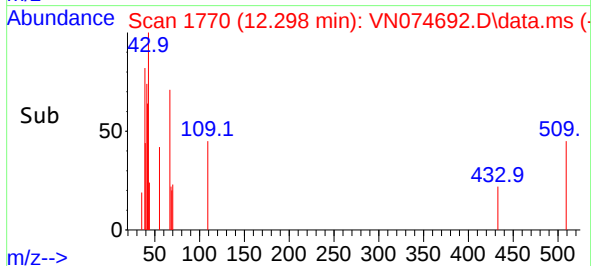
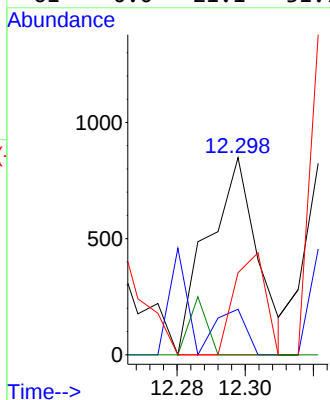
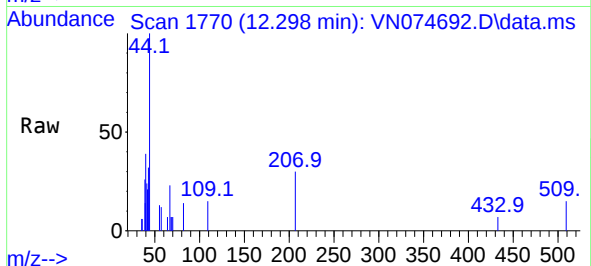




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.298 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

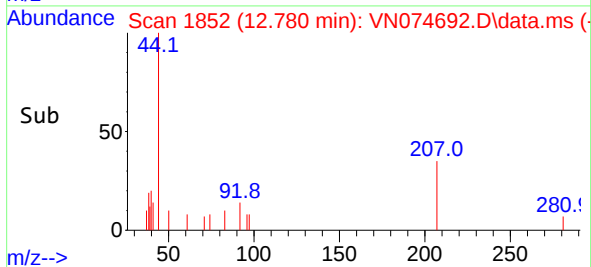
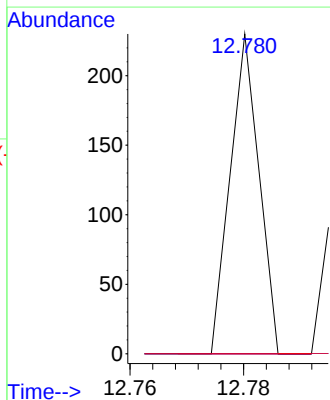
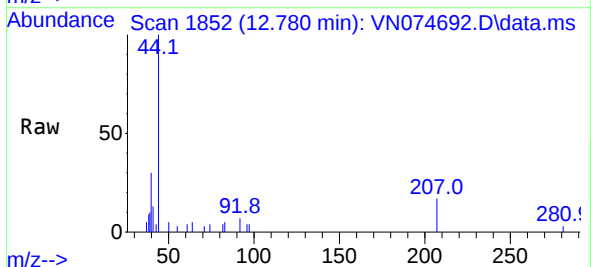
Instrument :
MSVOA_N
ClientSampleId :
MW106S

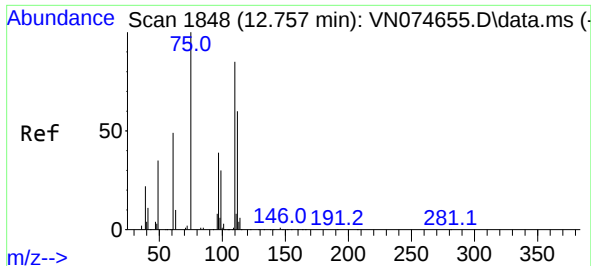
Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 32.6 21.1 31.7#
61 0.0 21.1 31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.780 min Scan# 1852
Delta R.T. 0.076 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

Tgt Ion: 83 Resp: 81
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#

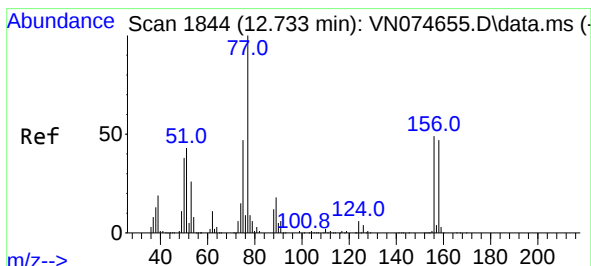
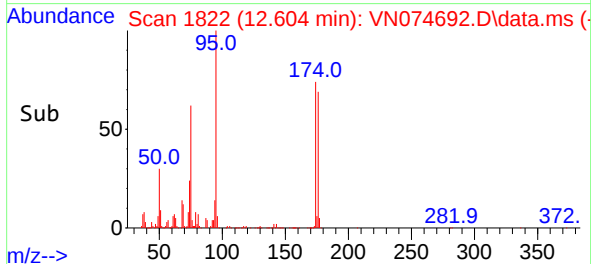
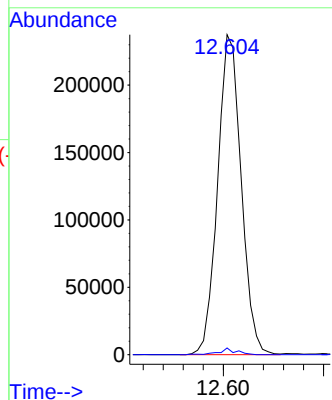
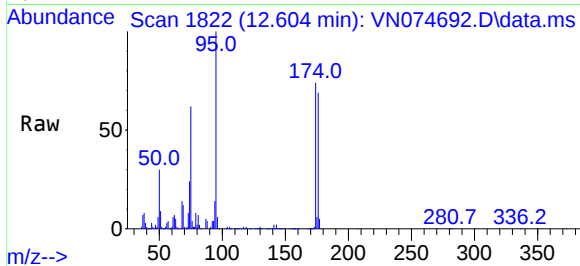




#76
1,2,3-Trichloropropane
Concen: 40.093 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

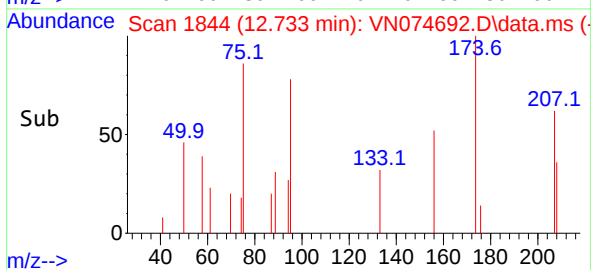
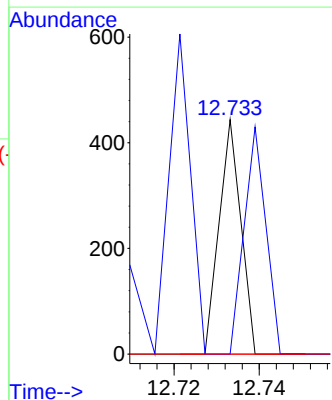
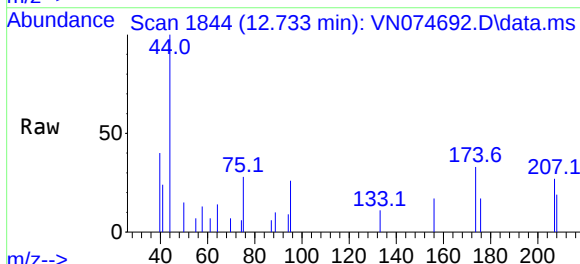
Instrument :
MSVOA_N
ClientSampleId :
MW106S

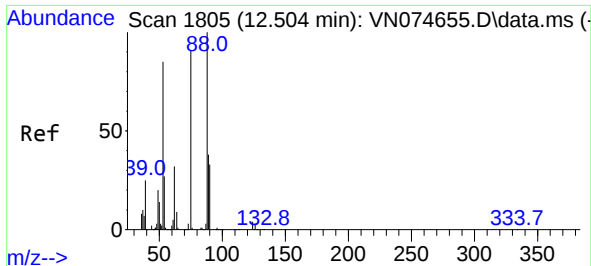
Tgt Ion: 75 Resp: 386976
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.733 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

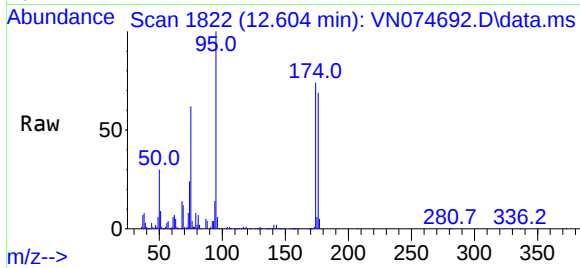
Tgt Ion:156 Resp: 157
Ion Ratio Lower Upper
156 100
77 174.5 100.5 301.5
158 0.0 48.9 146.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 75.763 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074692.D
Acq: 01 Oct 2022 06:01

Instrument :
MSVOA_N
ClientSampleId :
MW106S



Tgt Ion: 75 Resp: 386976
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

