

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092122\
 Data File : VN074604.D
 Acq On : 21 Sep 2022 10:56
 Operator : JC\MD
 Sample : VN0921WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBL01

Quant Time: Sep 22 06:56:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

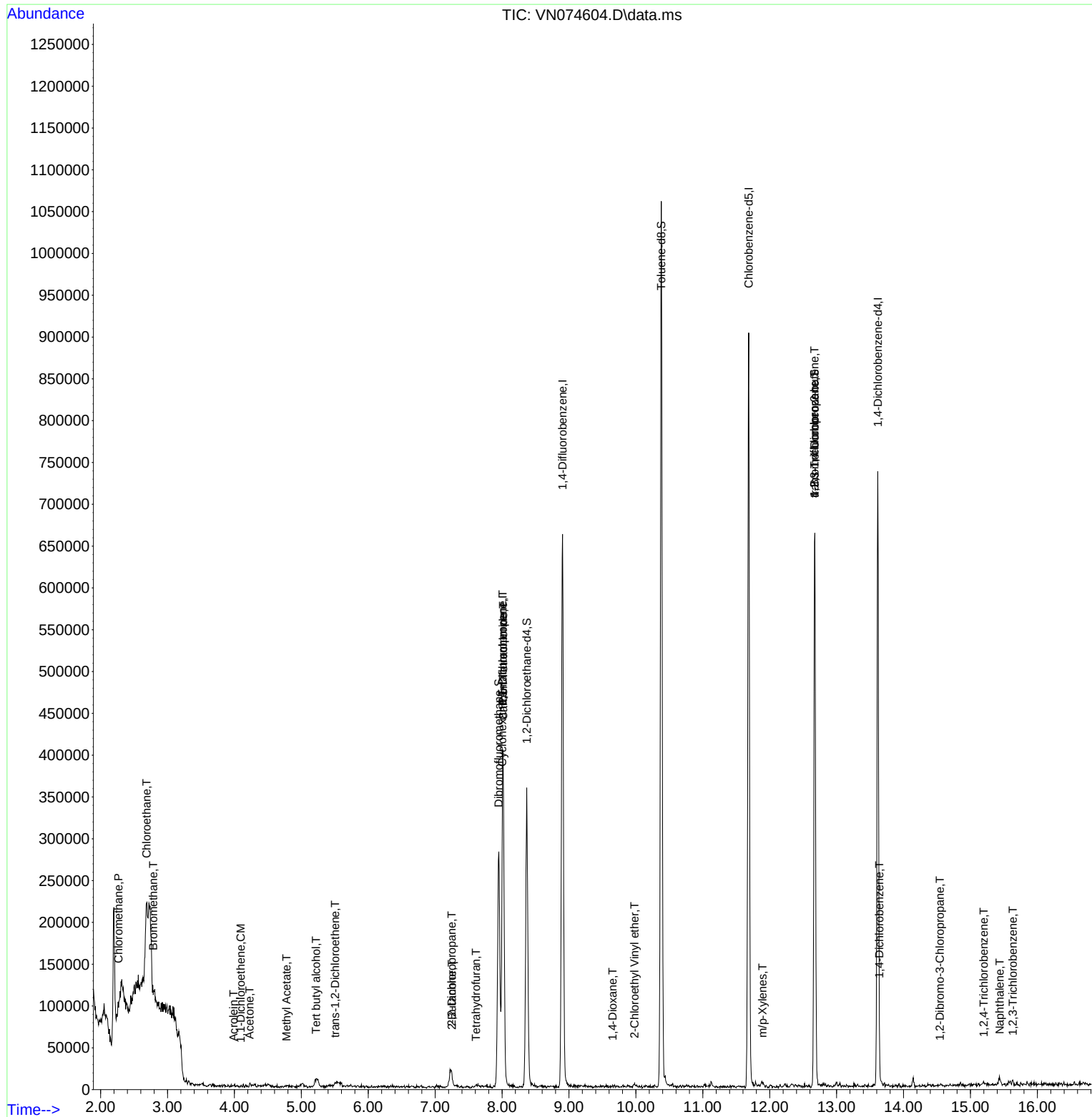
Internal Standards						
1) Pentafluorobenzene	8.010	168	279698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	546749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	459715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	172453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	258311	54.430	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.860%			
35) Dibromofluoromethane	7.951	113	195230	53.753	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.500%			
50) Toluene-d8	10.380	98	679862	48.402	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.800%			
62) 4-Bromofluorobenzene	12.668	95	200537	41.685	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 83.380%			
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	1325	0.516	ug/l #	70
5) Bromomethane	2.787	94	2225	0.770	ug/l #	72
6) Chloroethane	2.687	64	31211	8.339	ug/l #	45
11) Tert butyl alcohol	5.222	59	6997	4.526	ug/l #	74
12) 1,1-Dichloroethene	4.093	96	116	0.716	ug/l #	18
13) Acrolein	3.987	56	320	0.567	ug/l #	16
16) Acetone	4.228	43	1335	0.440	ug/l #	86
18) Methyl Acetate	4.781	43	3027	0.321	ug/l #	53
21) trans-1,2-Dichloroethene	5.504	96	122	0.459	ug/l #	44
25) 2-Butanone	7.251	43	1108	0.220	ug/l #	45
26) 2,2-Dichloropropane	7.245	77	1752	0.230	ug/l #	53
29) Tetrahydrofuran	7.610	42	923	0.278	ug/l #	48
31) Cyclohexane	8.004	56	9795	1.163	ug/l #	64
36) 1,1-Dichloropropene	8.010	75	28808	4.481	ug/l #	46
38) Carbon Tetrachloride	8.016	117	31213	5.259	ug/l #	21
49) 1,4-Dioxane	9.651	88	89	0.671	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.980	63	1852	0.477	ug/l #	85
68) m/p-Xylenes	11.892	106	1958	0.250	ug/l	87
76) 1,2,3-Trichloropropane	12.668	75	123391	23.245	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	123391	50.171	ug/l #	11
88) 1,4-Dichlorobenzene	13.639	146	1518	0.218	ug/l #	44
92) 1,2-Dibromo-3-Chloropr...	14.545	75	349	0.223	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.198	180	1376	0.402	ug/l #	36
95) Naphthalene	15.439	128	7494	2.081	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.633	180	2133	1.921	ug/l #	18

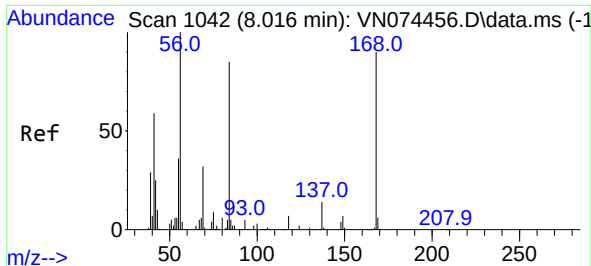
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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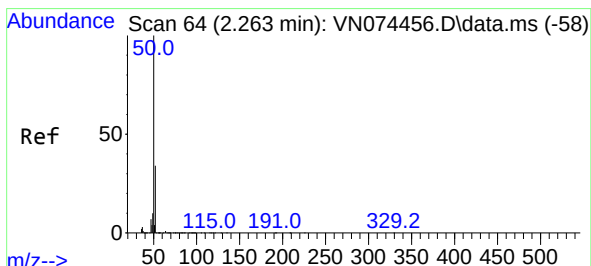
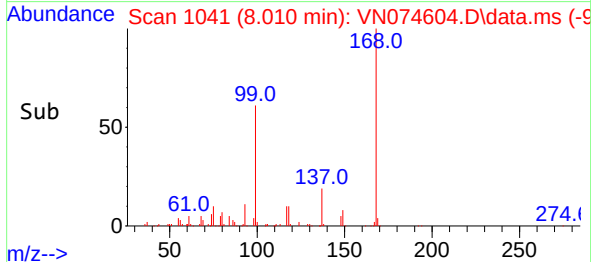
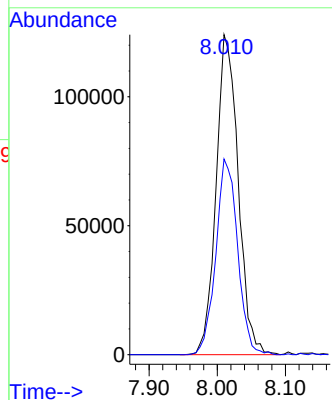
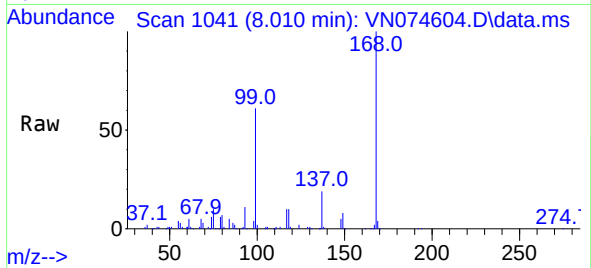




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

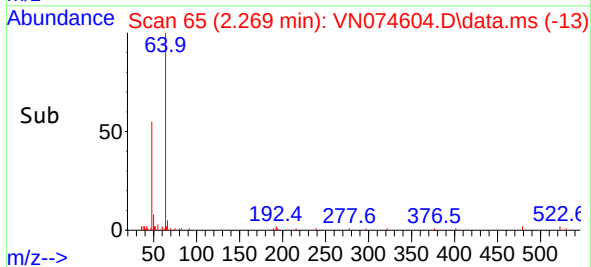
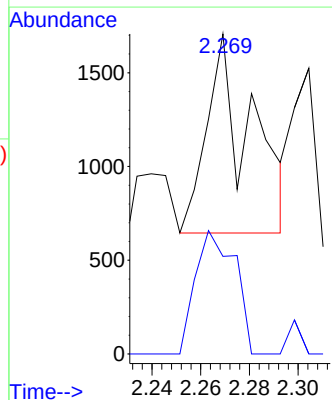
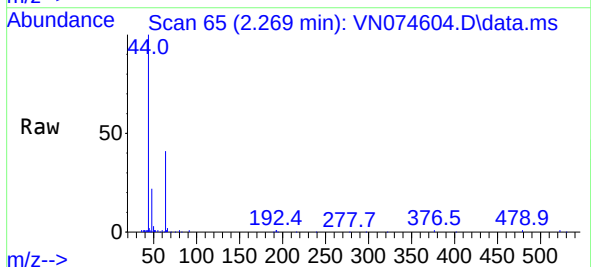
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

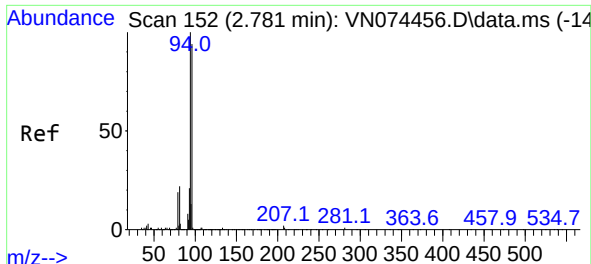
Tgt Ion:168 Resp: 279698
Ion Ratio Lower Upper
168 100
99 61.2 42.3 63.5



#3
Chloromethane
Concen: 0.516 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 50 Resp: 1325
Ion Ratio Lower Upper
50 100
52 49.1 25.7 38.5#

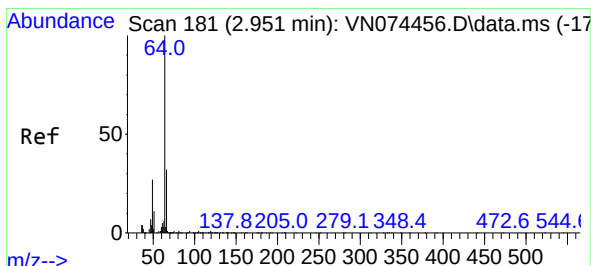
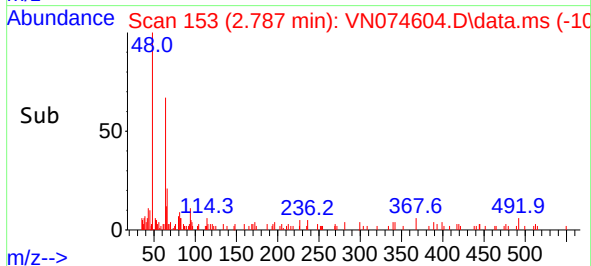
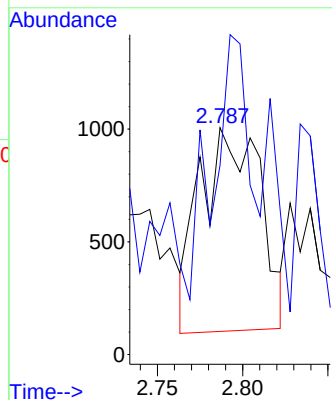
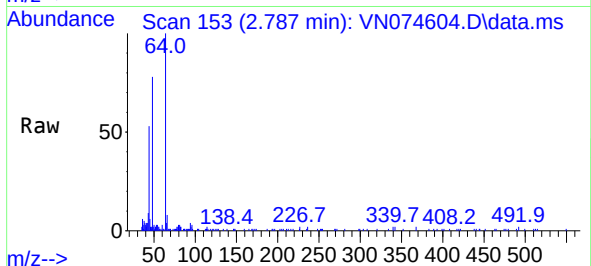




#5
Bromomethane
Concen: 0.770 ug/l
RT: 2.787 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

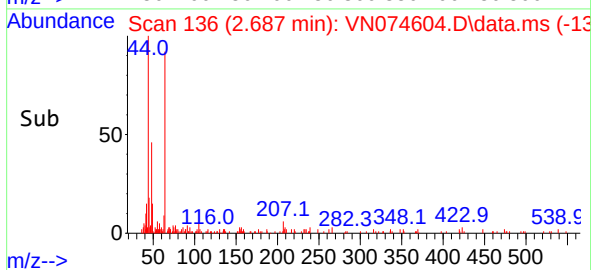
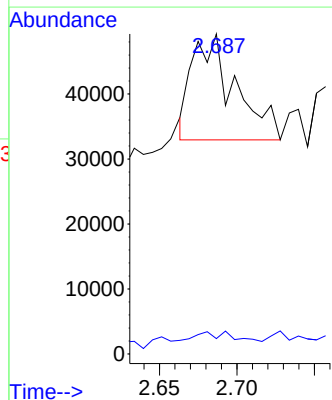
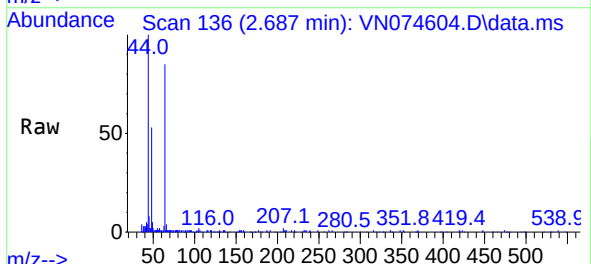
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

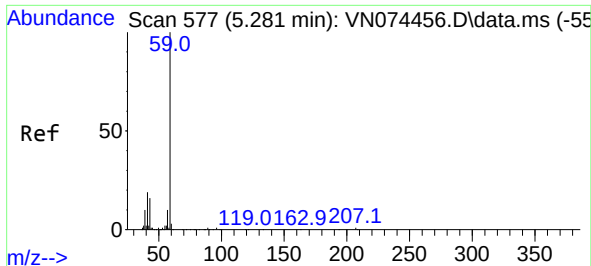
Tgt Ion: 94 Resp: 2225
Ion Ratio Lower Upper
94 100
96 67.8 76.0 114.0#



#6
Chloroethane
Concen: 8.339 ug/l
RT: 2.687 min Scan# 136
Delta R.T. -0.264 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 64 Resp: 31211
Ion Ratio Lower Upper
64 100
66 1.6 26.2 39.4#

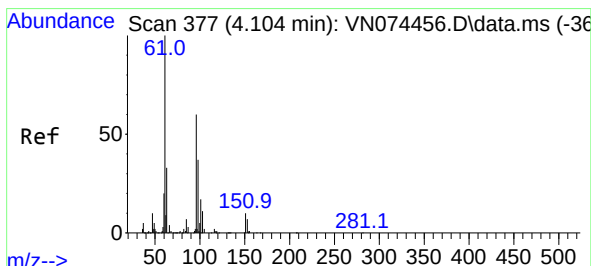
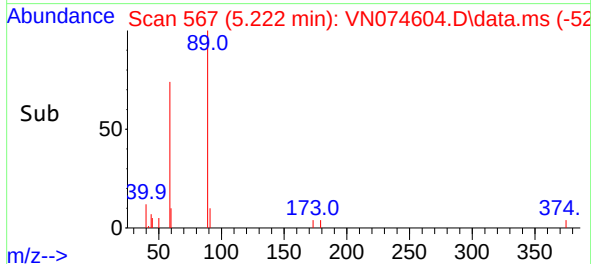
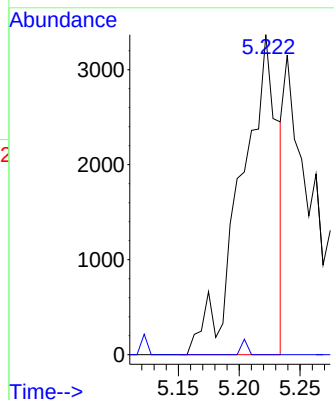
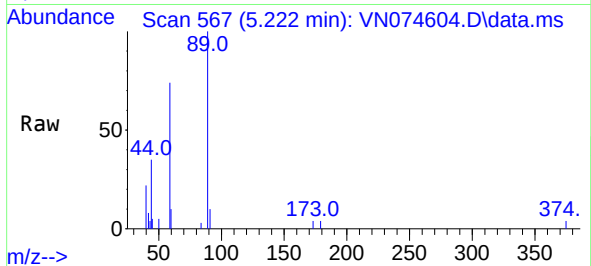




#11
Tert butyl alcohol
Concen: 4.526 ug/l
RT: 5.222 min Scan# 50
Delta R.T. -0.059 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

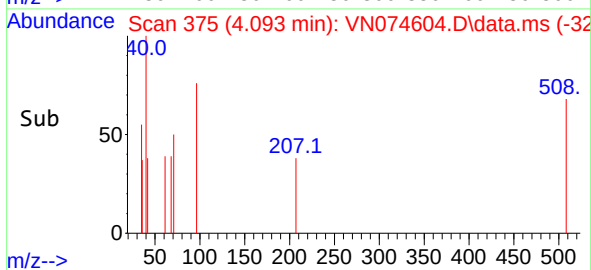
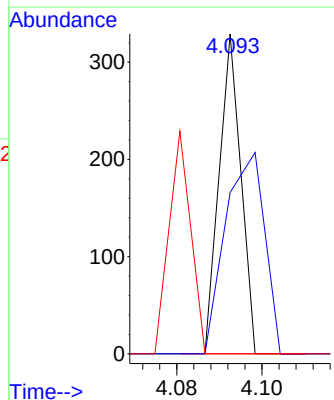
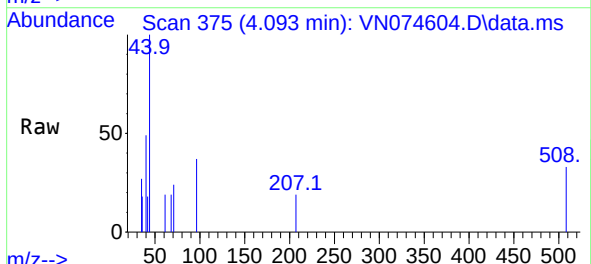
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

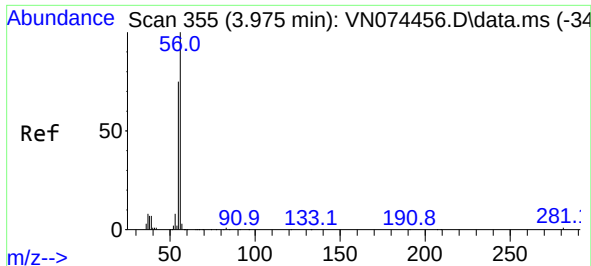
Tgt Ion: 59 Resp: 6997
Ion Ratio Lower Upper
59 100
57 0.8 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.716 ug/l
RT: 4.093 min Scan# 375
Delta R.T. -0.011 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 96 Resp: 116
Ion Ratio Lower Upper
96 100
61 50.5 127.6 191.4#
98 0.0 51.2 76.8#

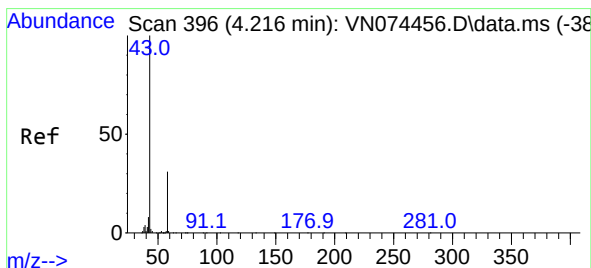
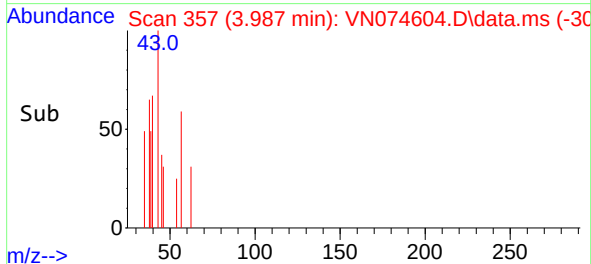
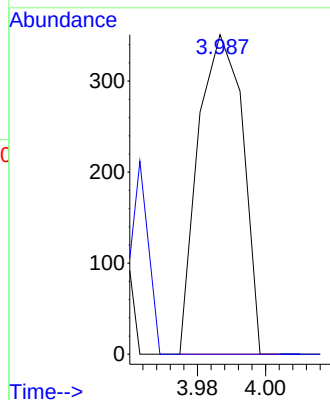
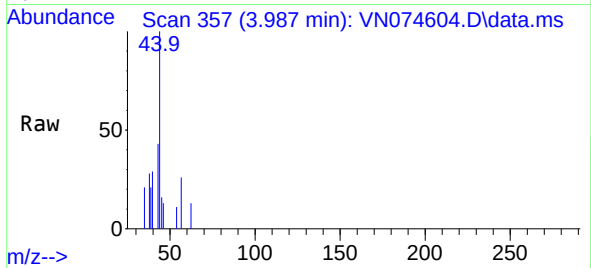




#13
Acrolein
Concen: 0.567 ug/l
RT: 3.987 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

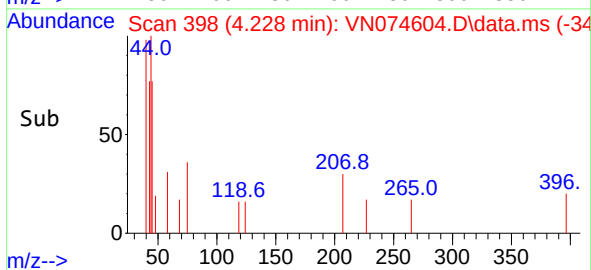
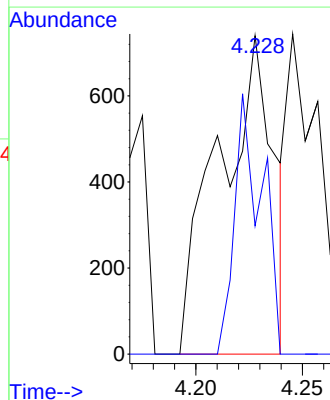
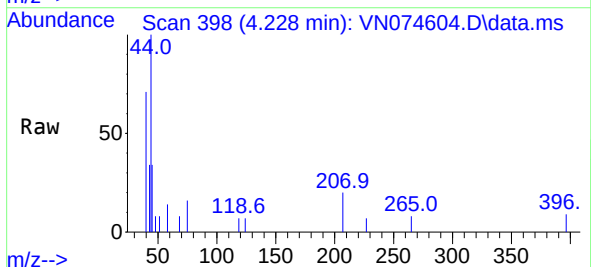
Instrument :
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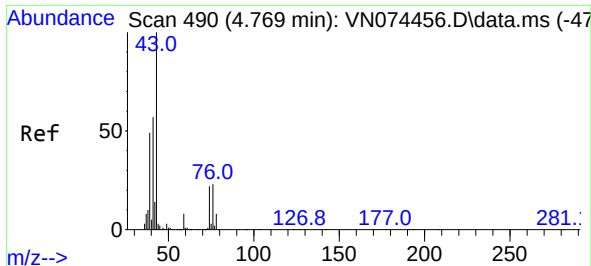
Tgt Ion: 56 Resp: 320
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 0.440 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.012 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 43 Resp: 1335
Ion Ratio Lower Upper
43 100
58 40.3 26.0 39.0#

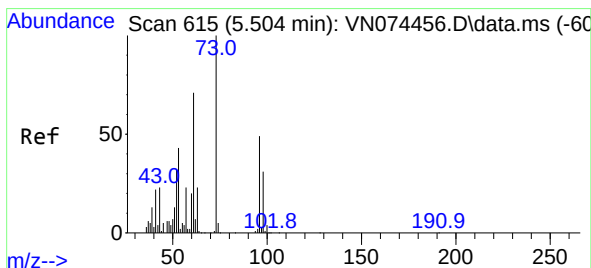
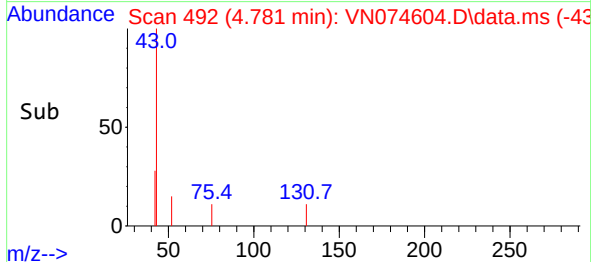
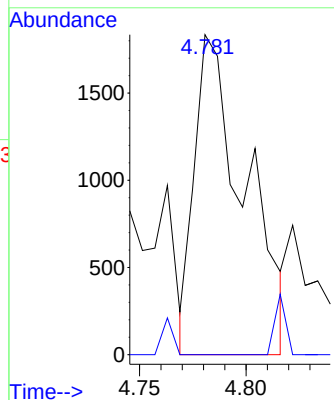
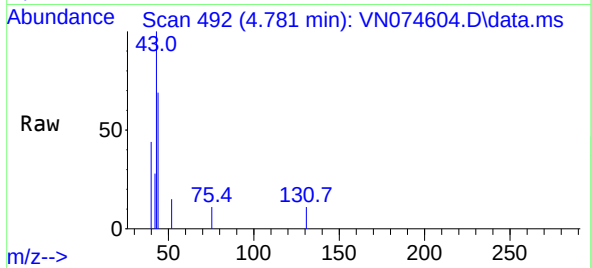




#18
Methyl Acetate
Concen: 0.321 ug/l
RT: 4.781 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

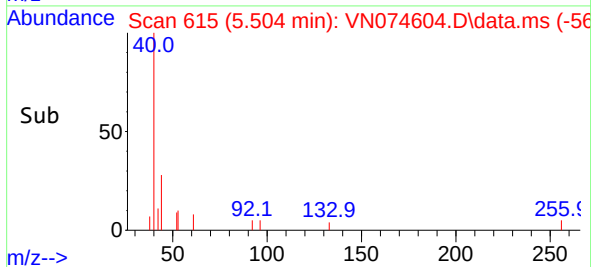
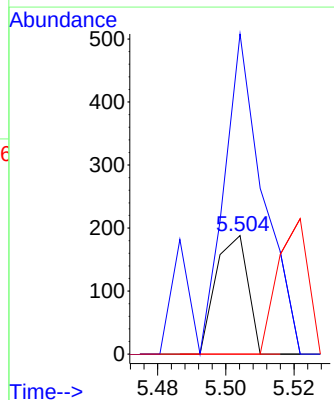
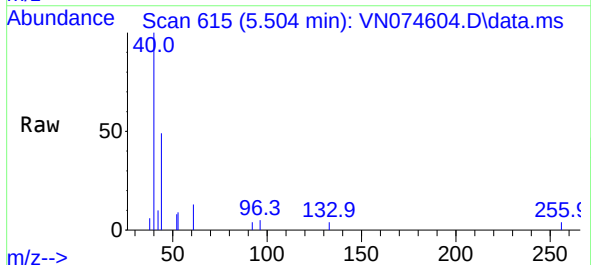
Instrument :
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ClientSampleId :
VN0921WBL01

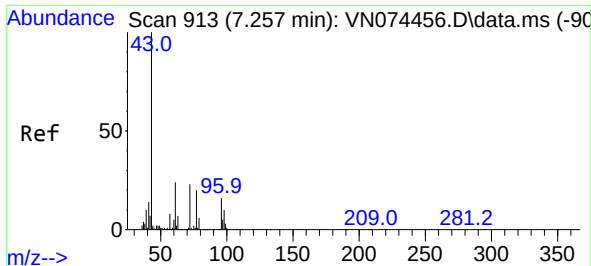
Tgt Ion: 43 Resp: 3027
Ion Ratio Lower Upper
43 100
74 2.4 21.6 32.4#



#21
trans-1,2-Dichloroethene
Concen: 0.459 ug/l
RT: 5.504 min Scan# 615
Delta R.T. 0.000 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 96 Resp: 122
Ion Ratio Lower Upper
96 100
61 183.5 105.8 158.8#
98 0.0 50.3 75.5#

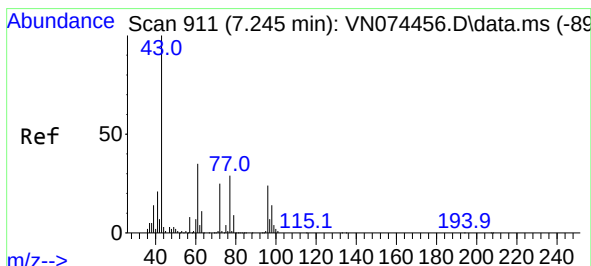
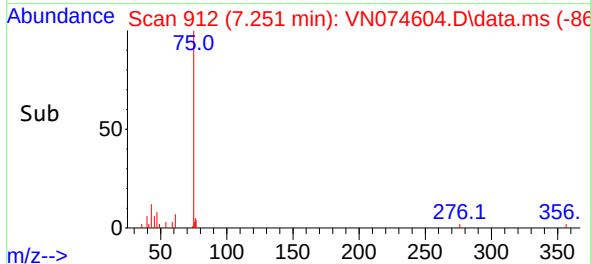
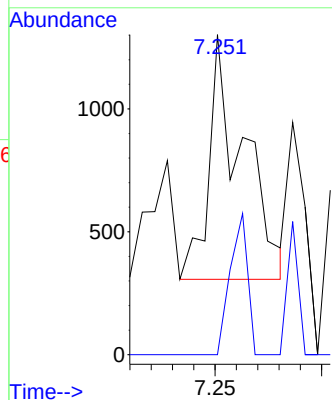
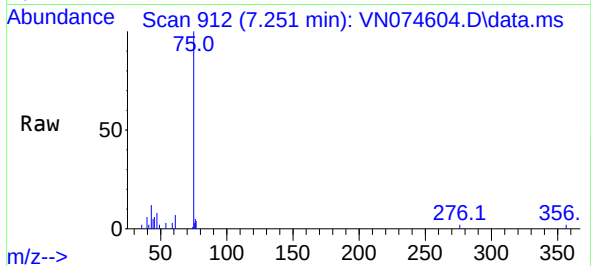




#25
2-Butanone
Concen: 0.220 ug/l
RT: 7.251 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

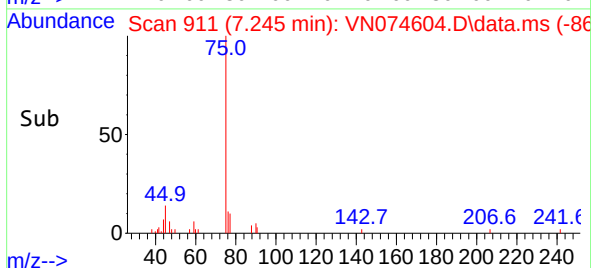
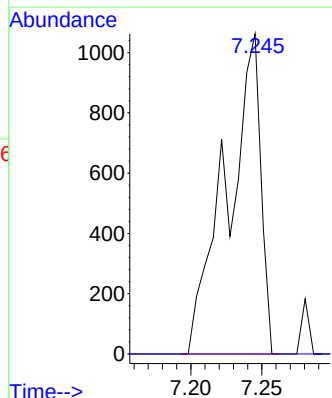
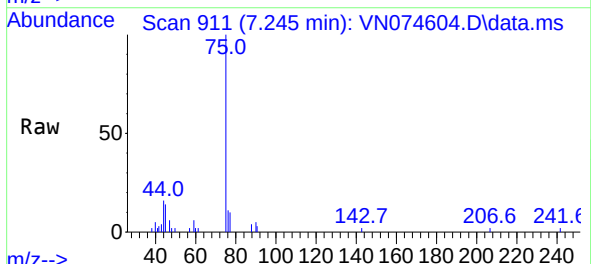
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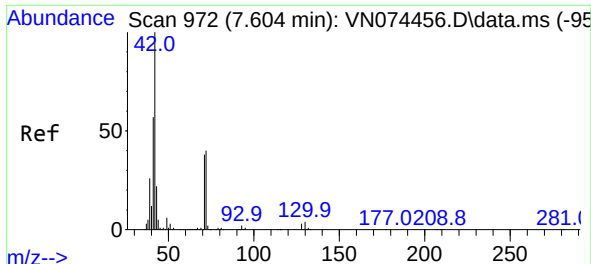
Tgt Ion: 43 Resp: 1108
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.230 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 77 Resp: 1752
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

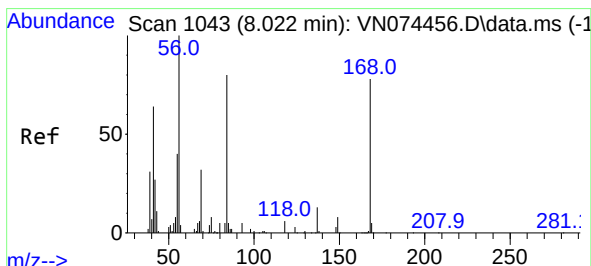
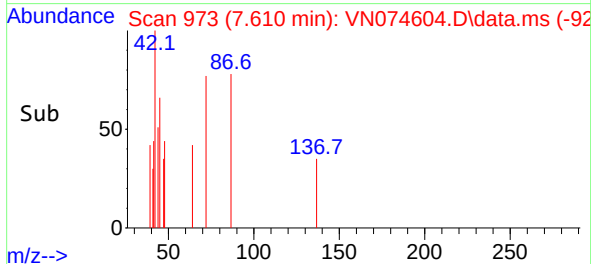
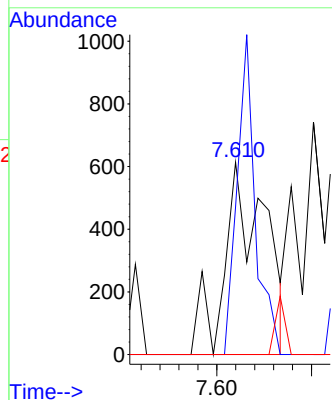
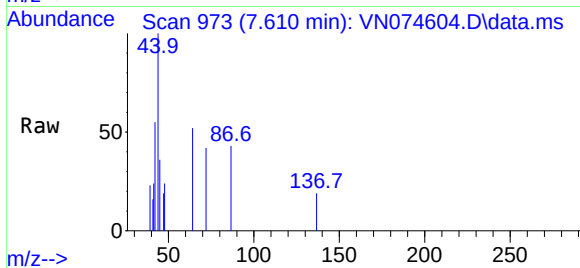




#29
Tetrahydrofuran
Concen: 0.278 ug/l
RT: 7.610 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

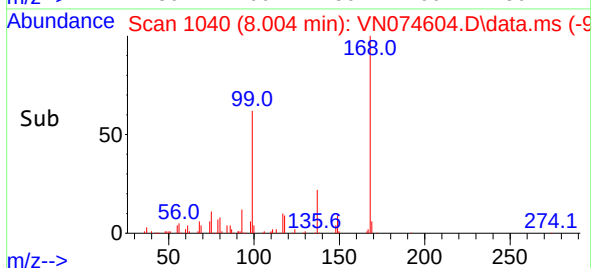
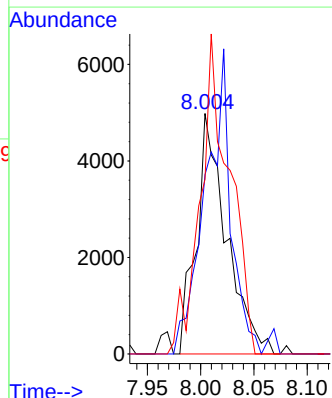
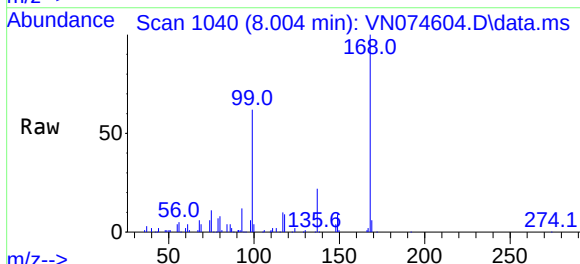
Instrument :
MSVOA_N
ClientSampleId :
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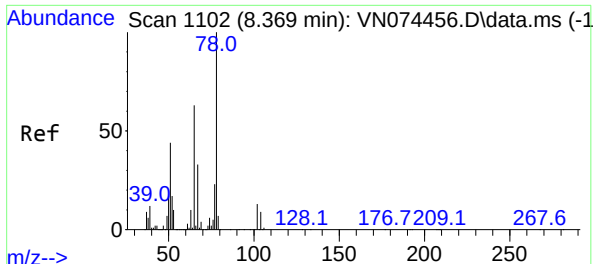
Tgt Ion: 42 Resp: 923
Ion Ratio Lower Upper
42 100
72 73.7 39.7 59.5#
71 0.0 36.6 55.0#



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.018 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 56 Resp: 9795
Ion Ratio Lower Upper
56 100
69 74.5 27.8 41.8#
84 72.6 76.9 115.3#

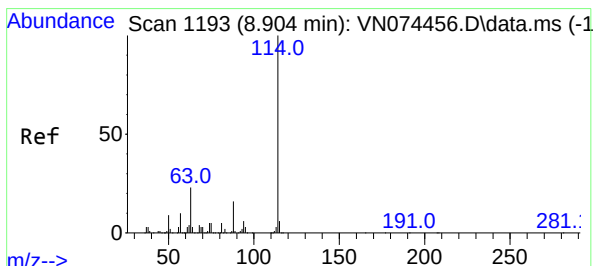
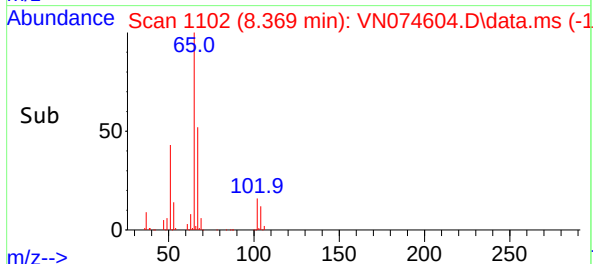
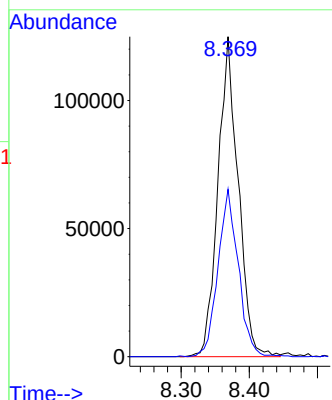
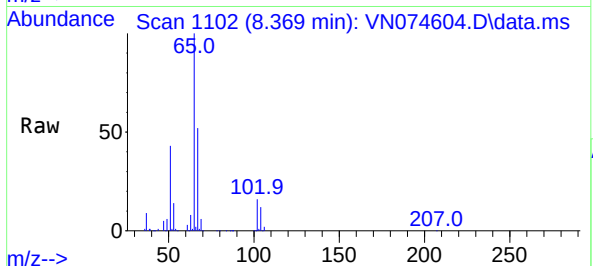




#33
1,2-Dichloroethane-d4
Concen: 54.430 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

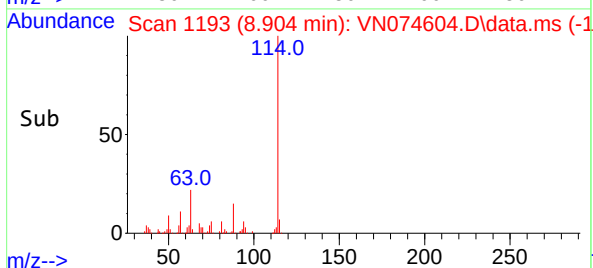
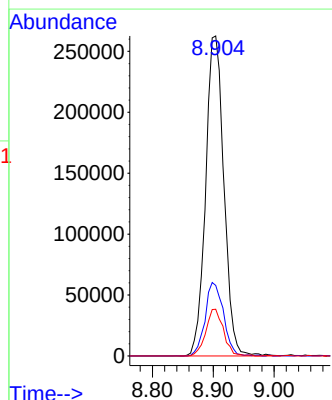
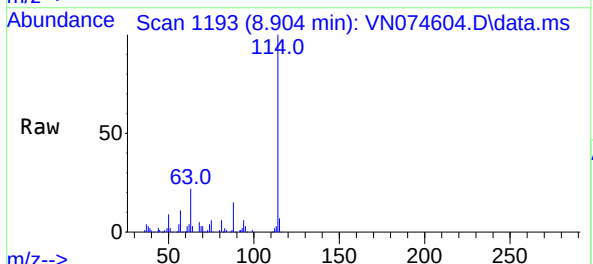
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

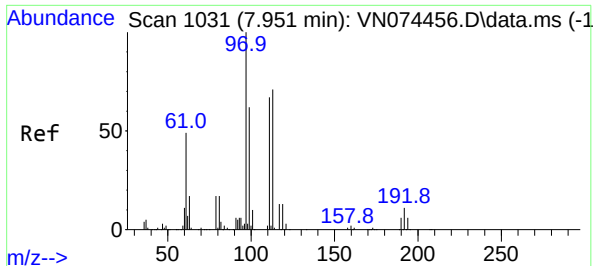
Tgt Ion: 65 Resp: 258311
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 114 Resp: 546749
Ion Ratio Lower Upper
114 100
63 22.0 0.0 40.0
88 14.6 0.0 32.6

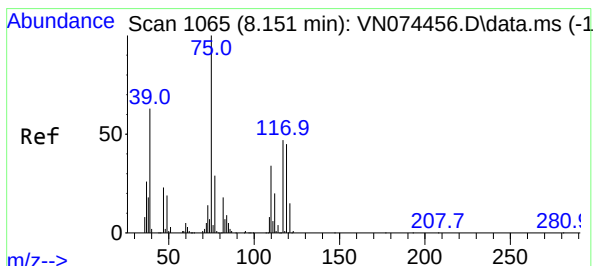
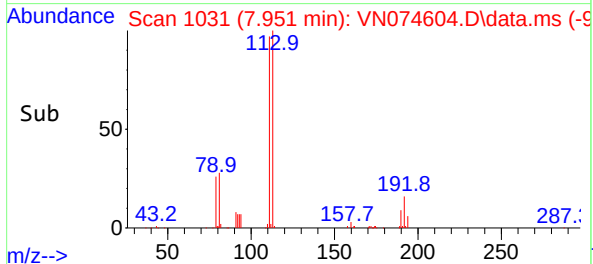
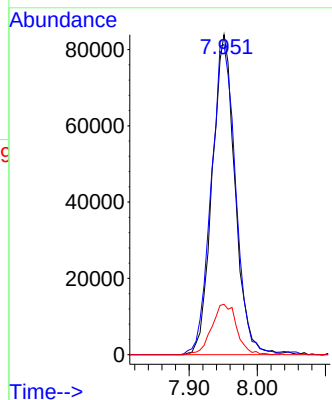
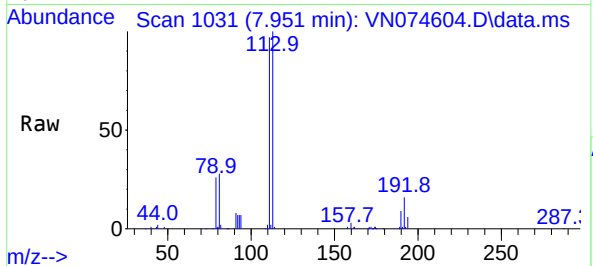




#35
Dibromofluoromethane
Concen: 53.753 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

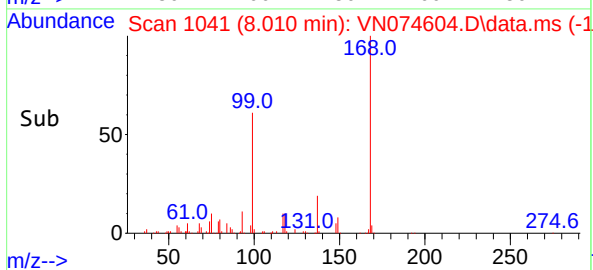
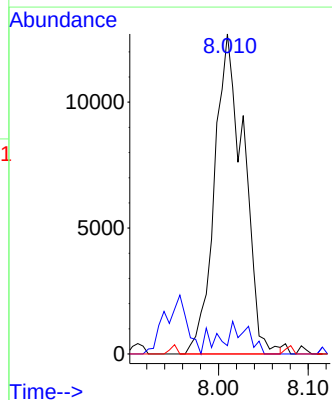
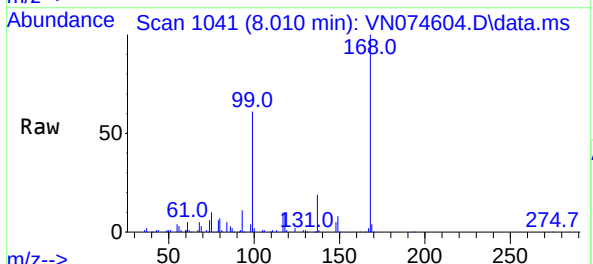
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

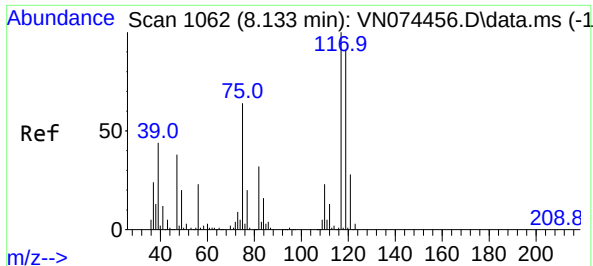
Tgt Ion:113 Resp: 195230
Ion Ratio Lower Upper
113 100
111 104.1 81.4 122.0
192 17.3 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.481 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 75 Resp: 28808
Ion Ratio Lower Upper
75 100
110 5.7 18.3 54.8#
77 0.0 25.1 37.7#

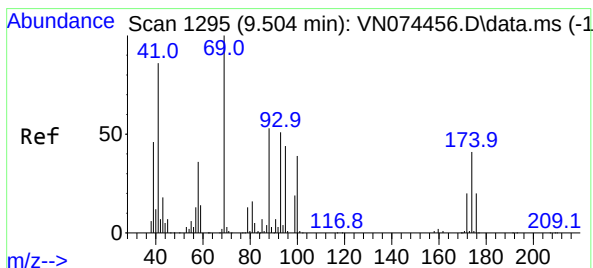
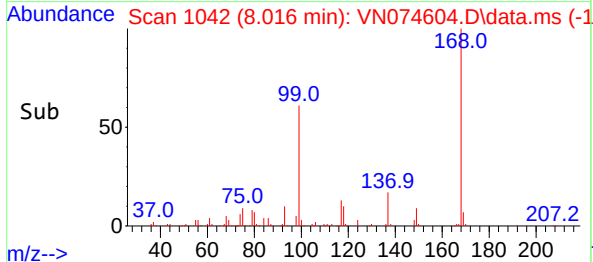
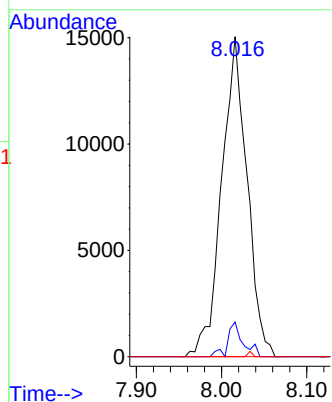
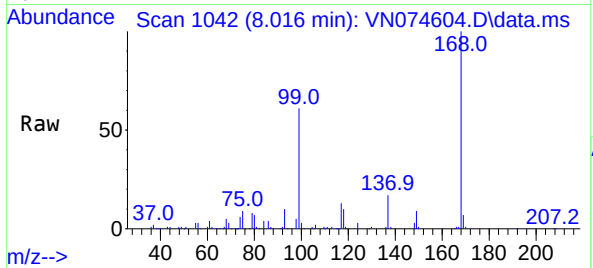




#38
Carbon Tetrachloride
Concen: 5.259 ug/l
RT: 8.016 min Scan# 117
Delta R.T. -0.117 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

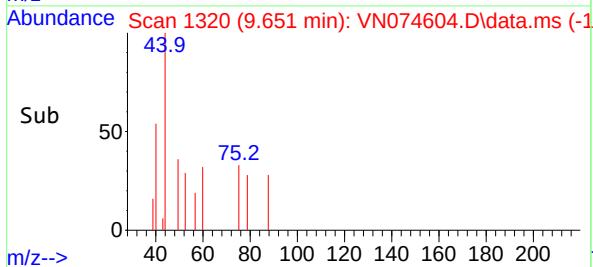
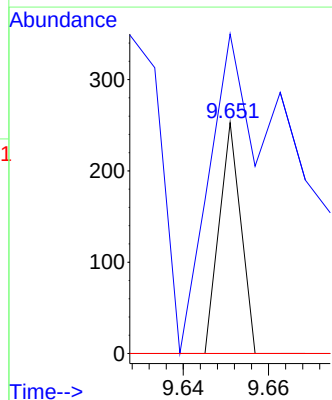
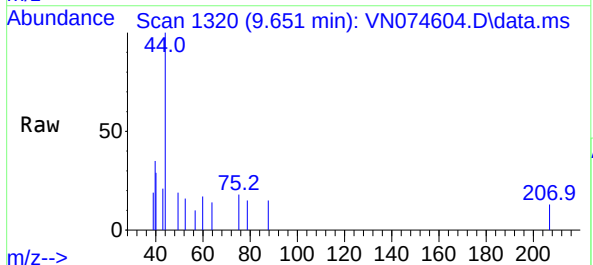
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

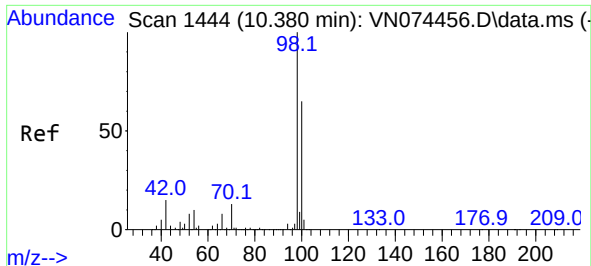
Tgt Ion:117 Resp: 31213
Ion Ratio Lower Upper
117 100
119 10.8 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.671 ug/l
RT: 9.651 min Scan# 1320
Delta R.T. 0.147 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 475.3 20.2 30.4#
58 0.0 54.2 81.4#

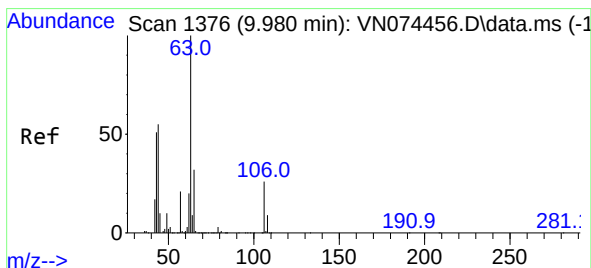
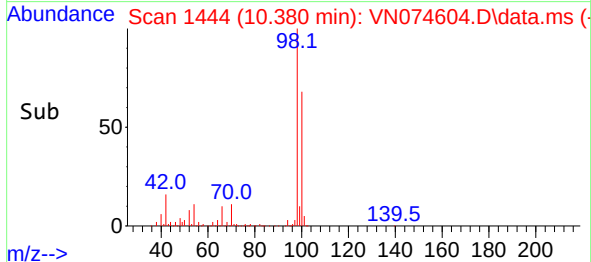
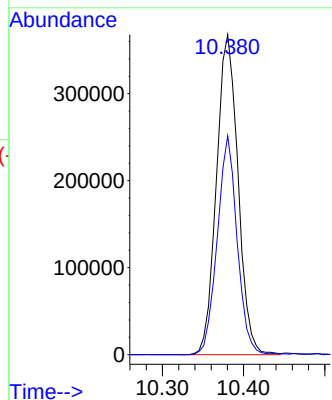
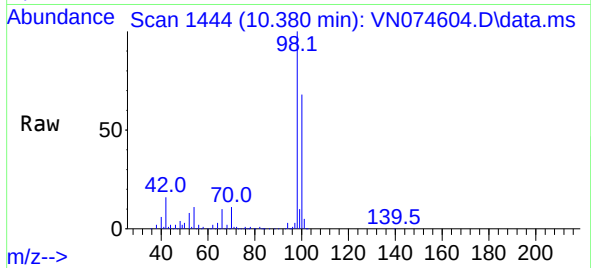




#50
Toluene-d8
Concen: 48.402 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

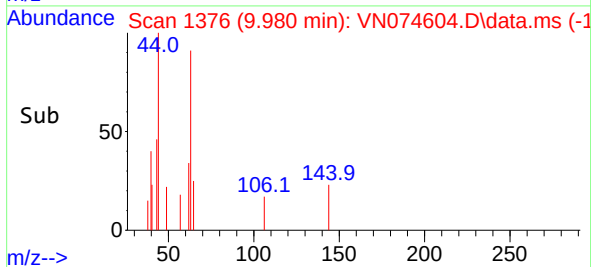
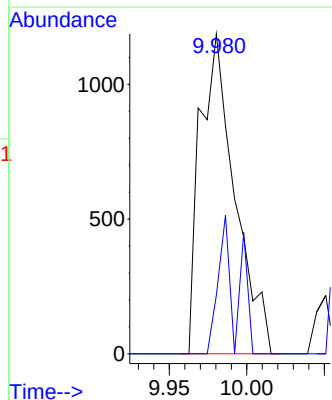
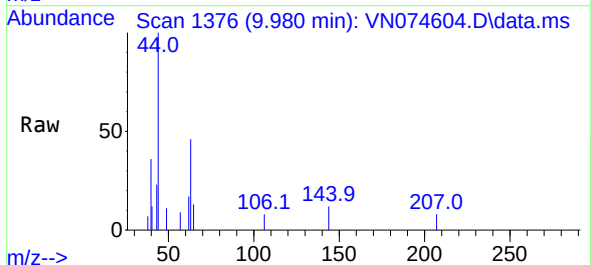
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

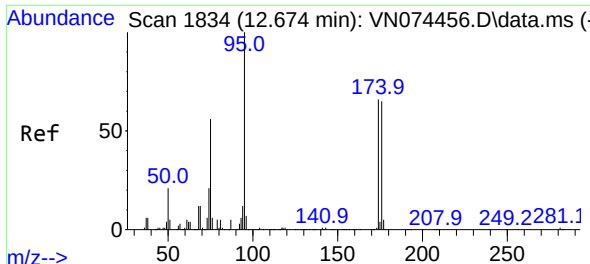
Tgt Ion: 98 Resp: 679862
Ion Ratio Lower Upper
98 100
100 63.1 52.6 78.8



#58
2-Chloroethyl Vinyl ether
Concen: 0.477 ug/l
RT: 9.980 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 63 Resp: 1852
Ion Ratio Lower Upper
63 100
106 22.6 24.6 36.8



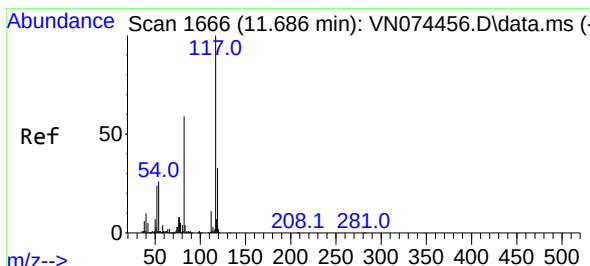
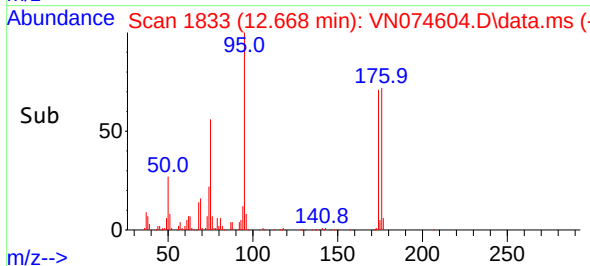
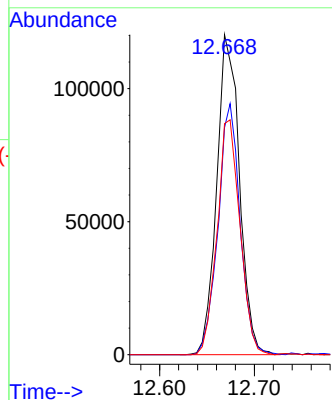
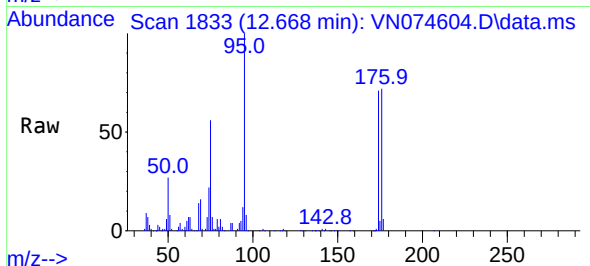


#62
4-Bromofluorobenzene
Concen: 41.685 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

Tgt Ion: 95 Resp: 200537

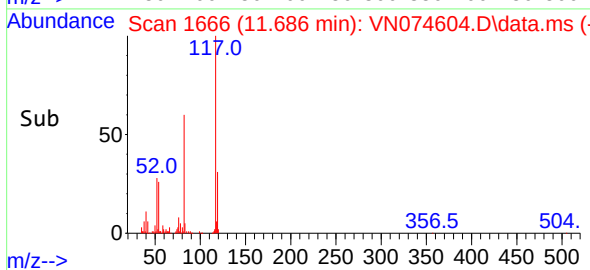
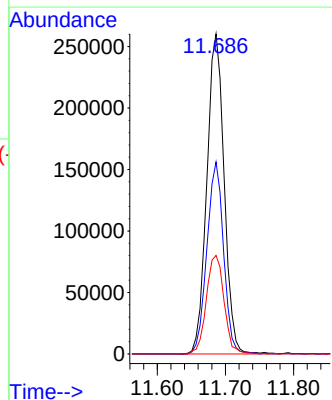
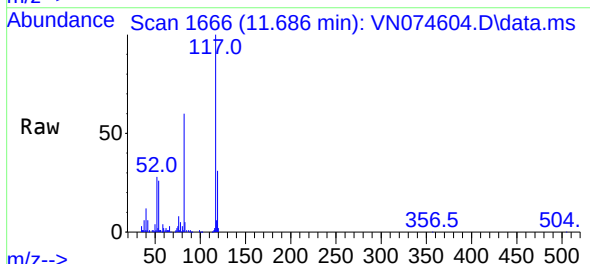
Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	167.6
176	73.9	0.0	163.4

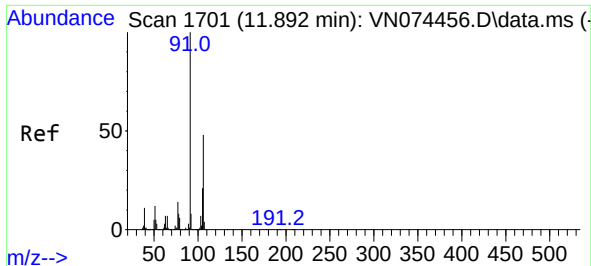


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 117 Resp: 459715

Ion	Ratio	Lower	Upper
117	100		
82	60.0	44.2	66.2
119	30.8	25.4	38.0

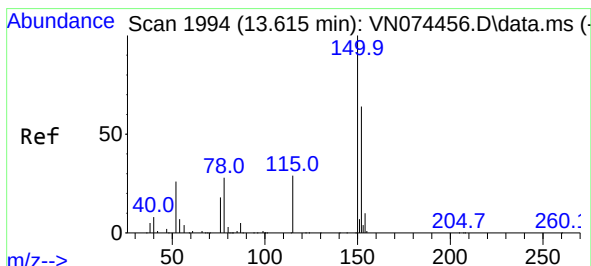
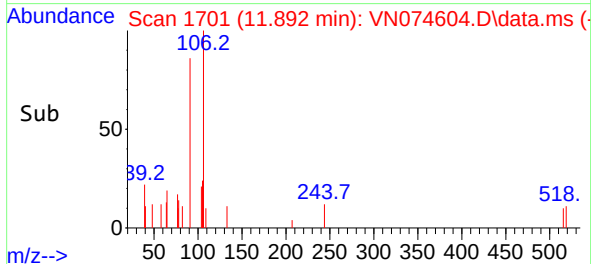
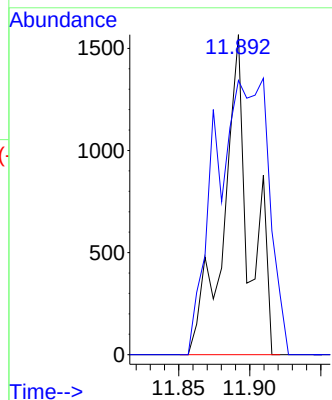
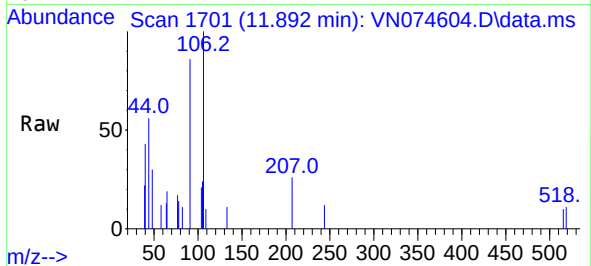




#68
m/p-Xylenes
Concen: 0.250 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

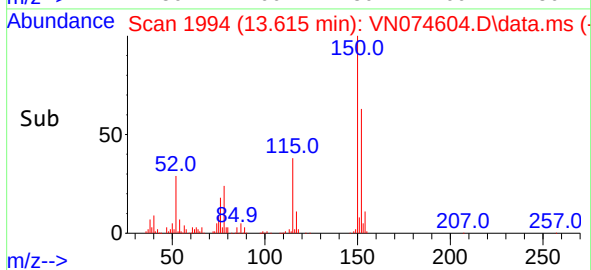
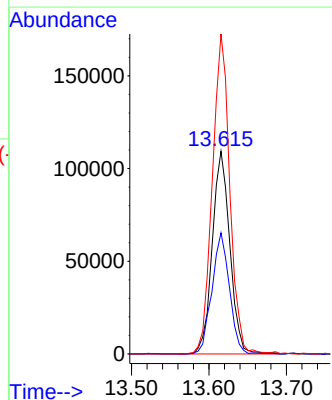
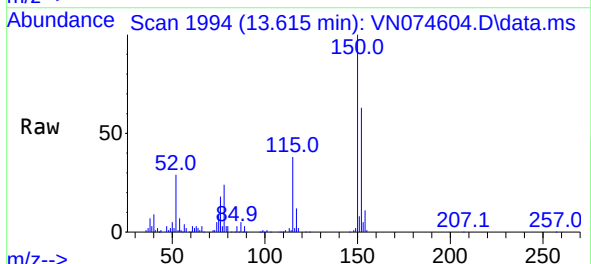
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

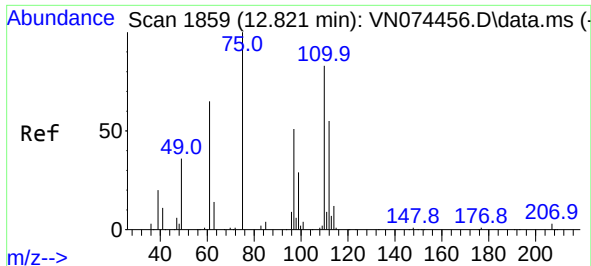
Tgt Ion:106 Resp: 1958
Ion Ratio Lower Upper
106 100
91 179.7 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion:152 Resp: 172453
Ion Ratio Lower Upper
152 100
115 59.5 28.9 86.7
150 156.2 0.0 356.2

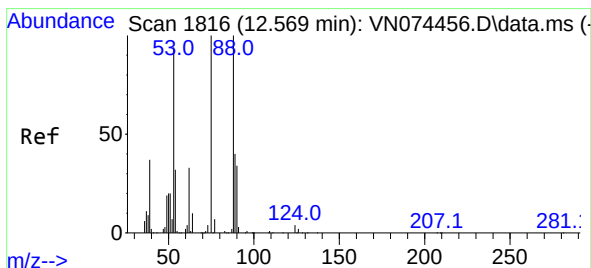
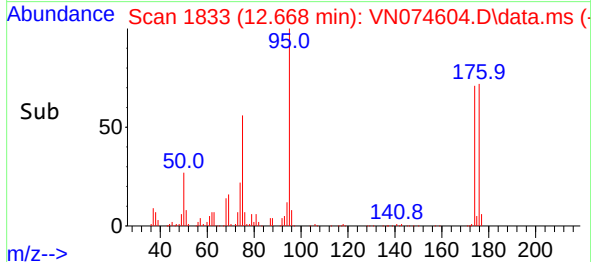
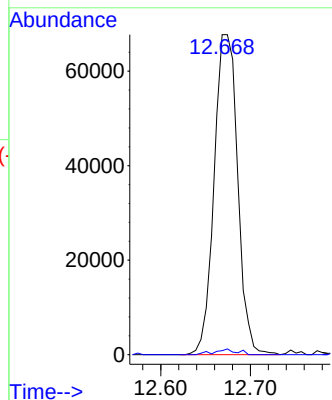
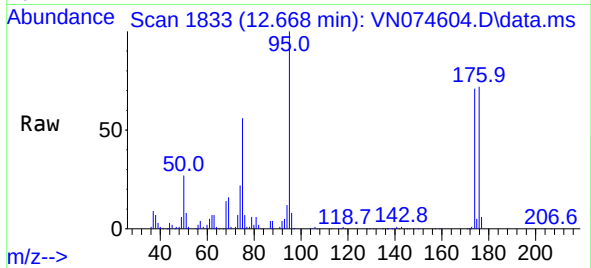




#76
1,2,3-Trichloropropane
Concen: 23.245 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

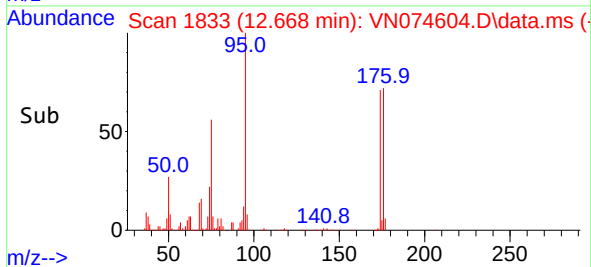
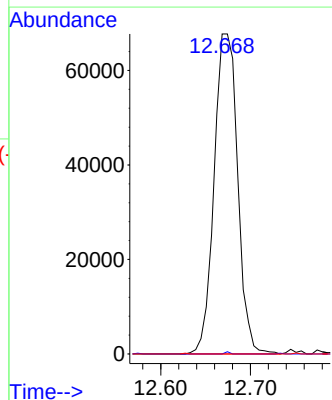
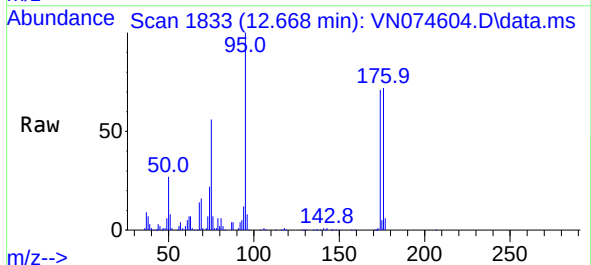
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

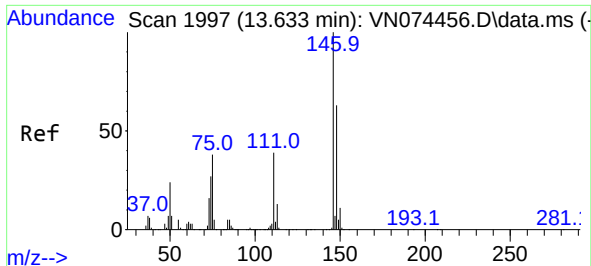
Tgt Ion: 75 Resp: 123391
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.171 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.099 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 75 Resp: 123391
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

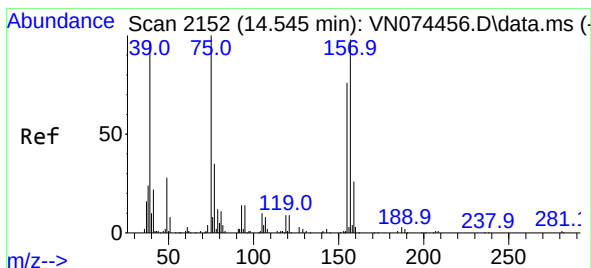
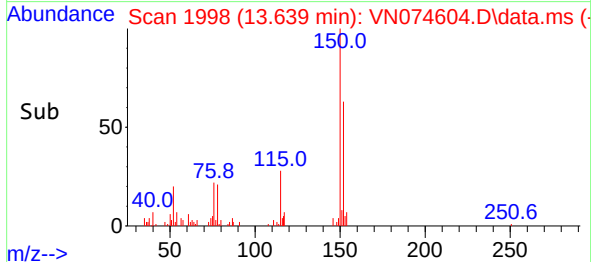
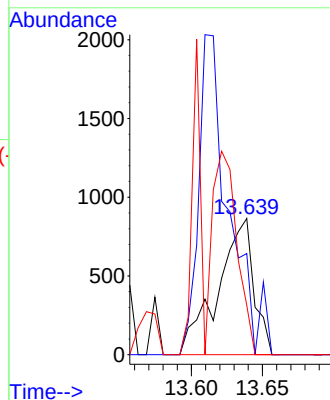
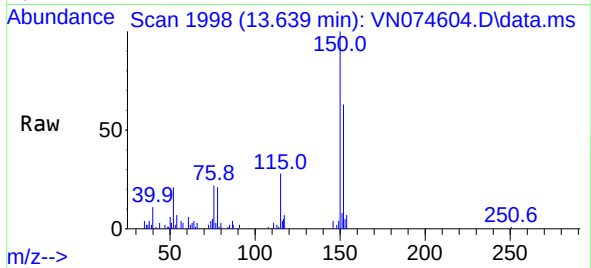




#88
1,4-Dichlorobenzene
Concen: 0.218 ug/l
RT: 13.639 min Scan# 1997
Delta R.T. 0.006 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

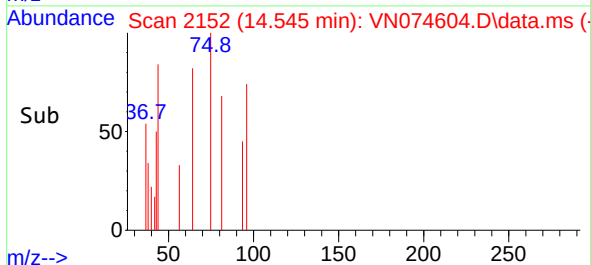
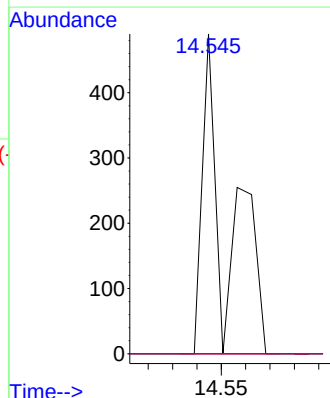
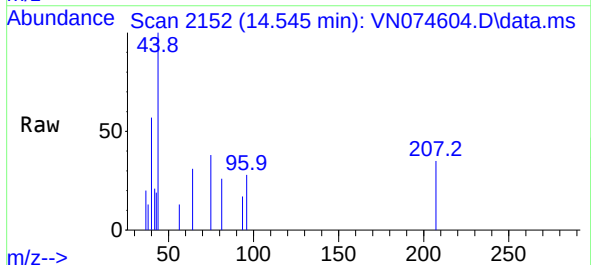
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

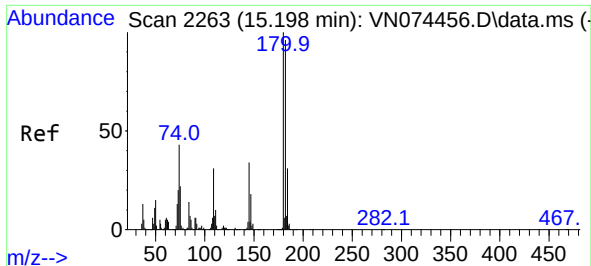
Tgt Ion:146 Resp: 1518
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.1#
148 102.8 31.4 94.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.223 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. -0.000 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion: 75 Resp: 349
Ion Ratio Lower Upper
75 100
155 0.0 44.9 134.5#
157 0.0 59.0 176.8#

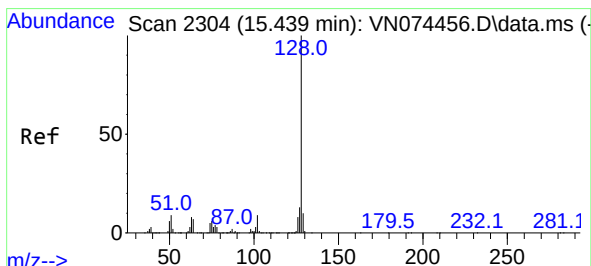
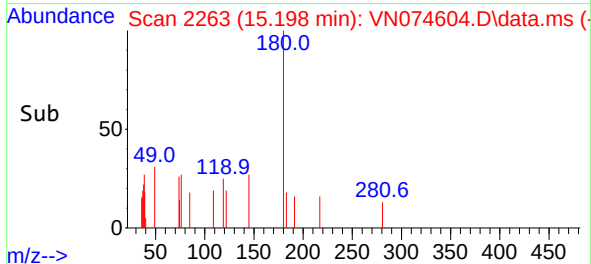
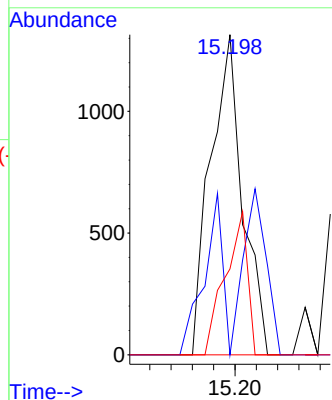
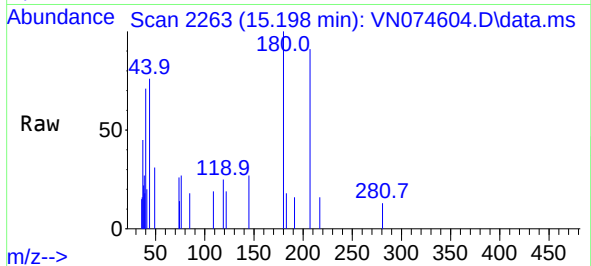




#93
1,2,4-Trichlorobenzene
Concen: 0.402 ug/l
RT: 15.198 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

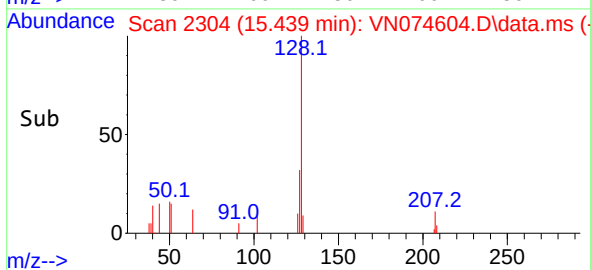
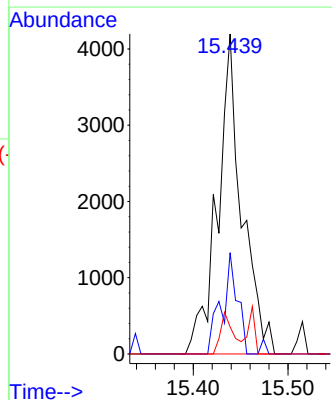
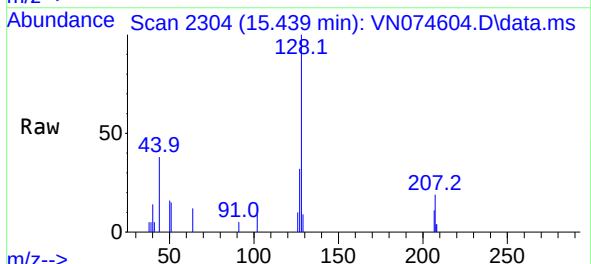
Instrument :
MSVOA_N
ClientSampleId :
VN0921WBL01

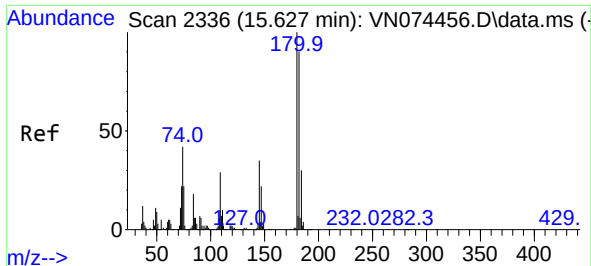
Tgt Ion:180 Resp: 1376
Ion Ratio Lower Upper
180 100
182 29.6 47.5 142.5#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 2.081 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN074604.D
Acq: 21 Sep 2022 10:56

Tgt Ion:128 Resp: 7494
Ion Ratio Lower Upper
128 100
127 20.4 10.3 15.5#
129 6.9 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.921 ug/l

RT: 15.633 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN074604.D

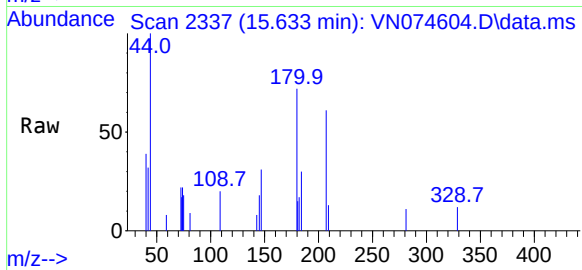
Acq: 21 Sep 2022 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBL01



Tgt Ion:180 Resp: 2133

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.3#

145 12.5 15.5 46.5#

