

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101122\
 Data File : VN074860.D
 Acq On : 11 Oct 2022 20:38
 Operator : JC\MD
 Sample : PB148255ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#09

Quant Time: Oct 12 03:59:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

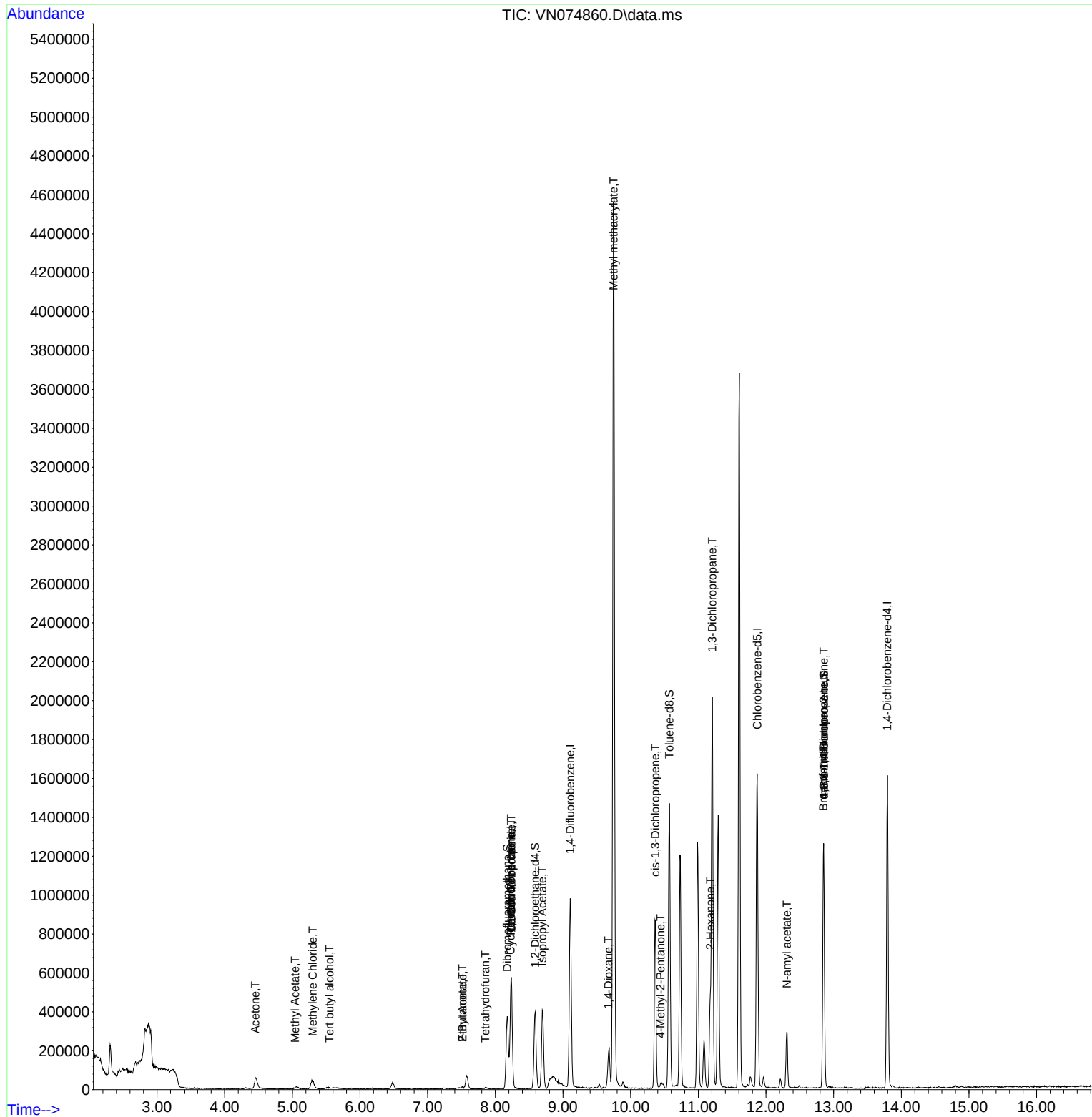
Internal Standards						
1) Pentafluorobenzene	8.229	168	409988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	810842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	895026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	402515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	295449	30.414	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	60.820%#		
35) Dibromofluoromethane	8.177	113	263804	32.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	64.400%#		
50) Toluene-d8	10.570	98	982327	27.945	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	55.880%#		
62) 4-Bromofluorobenzene	12.853	95	385275	36.055	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	72.100%#		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.547	59	2933	0.901	ug/l #	85
13) Acrolein	4.212	56	329	Below Cal	#	15
16) Acetone	4.453	43	105874	19.232	ug/l	94
18) Methyl Acetate	5.041	43	11244	0.552	ug/l #	52
20) Methylene Chloride	5.300	84	33443	1.672	ug/l #	71
25) 2-Butanone	7.512	43	14740	1.475	ug/l	98
29) Tetrahydrofuran	7.853	42	5226	0.751	ug/l #	81
31) Cyclohexane	8.224	56	5533	0.330	ug/l #	49
36) 1,1-Dichloropropene	8.235	75	37791	2.850	ug/l #	45
37) Ethyl Acetate	7.512	43	14740	0.277	ug/l #	86
38) Carbon Tetrachloride	8.235	117	43897	3.510	ug/l #	19
43) Isopropyl Acetate	8.694	43	464770	14.140	ug/l #	92
48) Methyl methacrylate	9.747	41	404519	29.977	ug/l #	86
49) 1,4-Dioxane	9.671	88	112	0.383	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	18957	0.896	ug/l	97
54) cis-1,3-Dichloropropene	10.365	75	149353	8.332	ug/l #	65
57) 1,3-Dichloropropane	11.206	76	19145	1.024	ug/l #	42
59) 2-Hexanone	11.176	43	414611	25.897	ug/l #	24
71) Bromoform	12.847	173	5647	0.739	ug/l #	1
74) N-amyl acetate	12.306	43	100950	4.311	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.953	83	66	Below Cal	#	69
76) 1,2,3-Trichloropropane	12.853	75	228714	19.037	ug/l #	1
77) Bromobenzene	12.864	156	202	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	228714	37.092	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.876	180	57	Below Cal	#	12

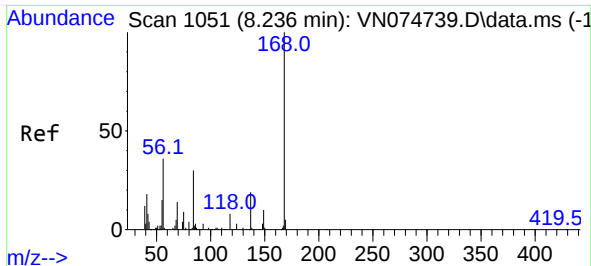
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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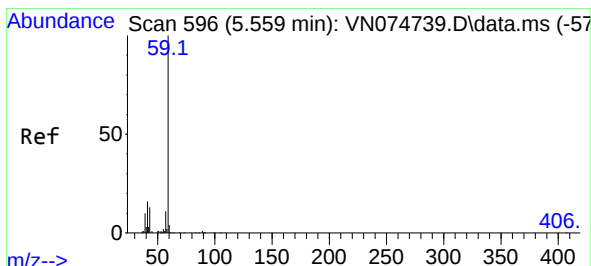
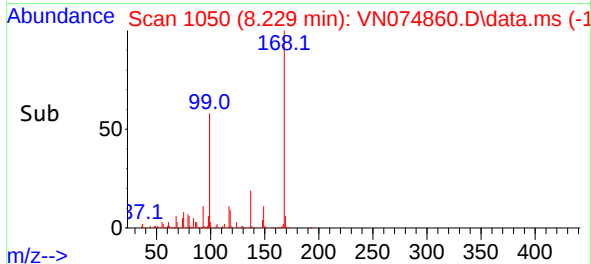
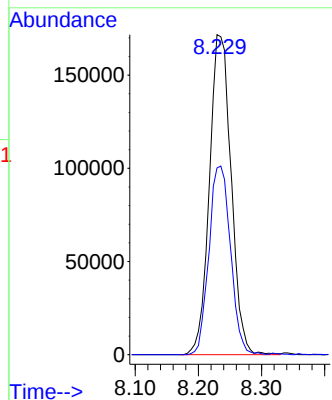
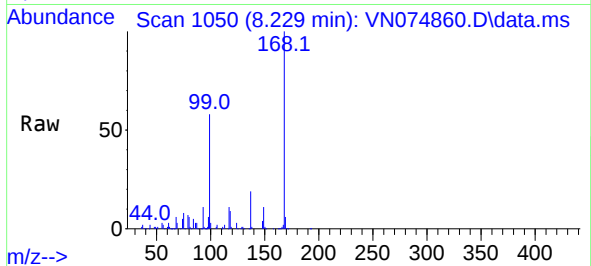




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.007 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

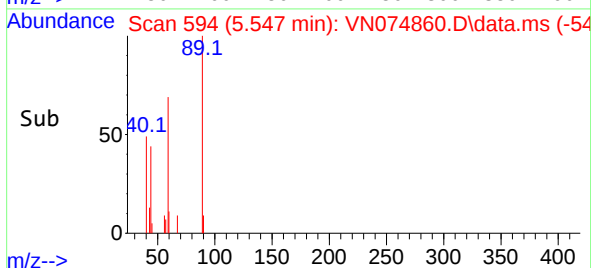
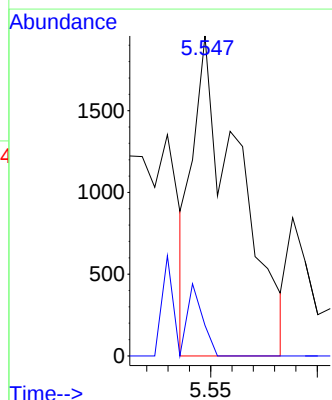
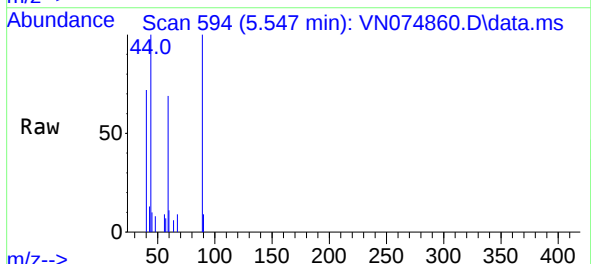
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#09

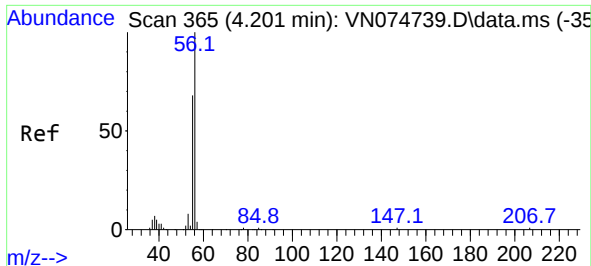
Tgt Ion:168 Resp: 409988
Ion Ratio Lower Upper
168 100
99 58.4 42.8 64.2



#11
Tert butyl alcohol
Concen: 0.901 ug/l
RT: 5.547 min Scan# 594
Delta R.T. -0.012 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion: 59 Resp: 2933
Ion Ratio Lower Upper
59 100
57 14.9 7.7 11.5#

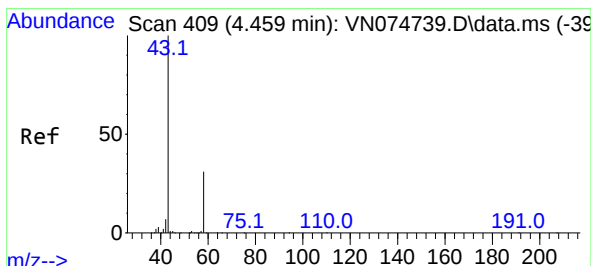
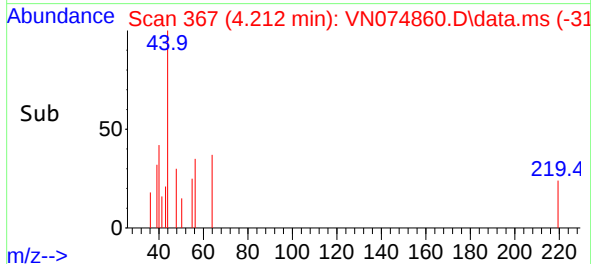
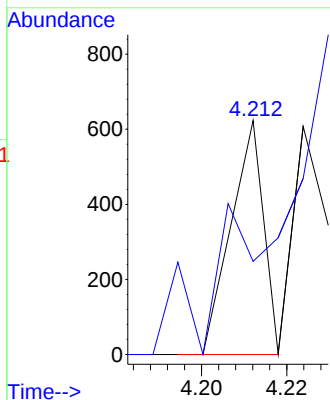
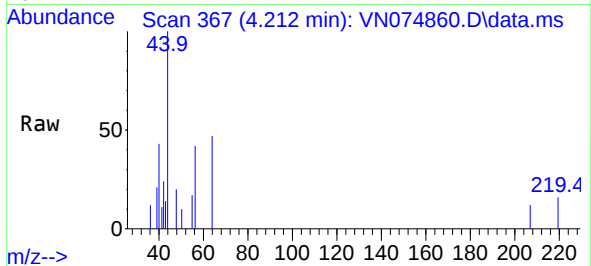




#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 30
Delta R.T. 0.011 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

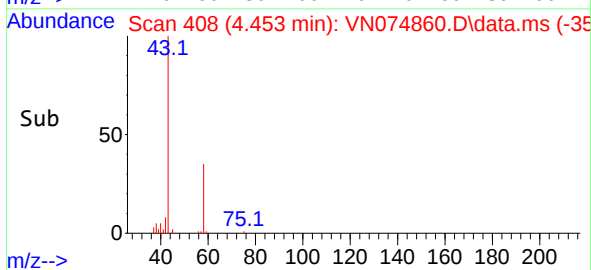
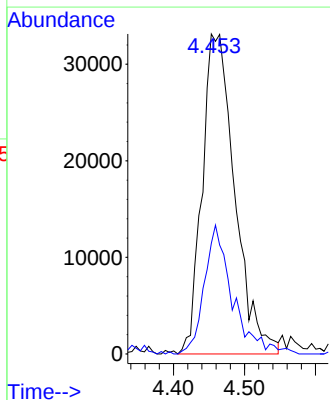
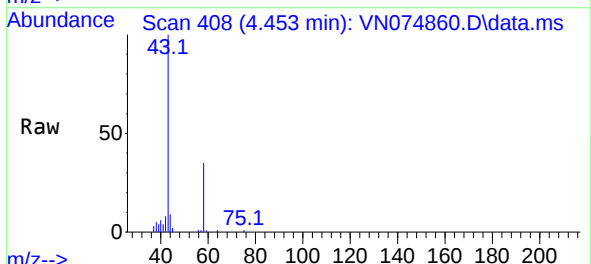
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#09

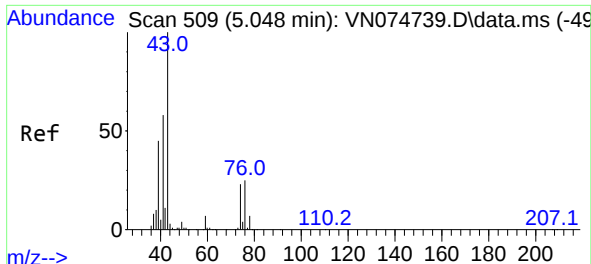
Tgt Ion: 56 Resp: 329
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 19.232 ug/l
RT: 4.453 min Scan# 408
Delta R.T. -0.006 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion: 43 Resp: 105874
Ion Ratio Lower Upper
43 100
58 34.6 24.9 37.3

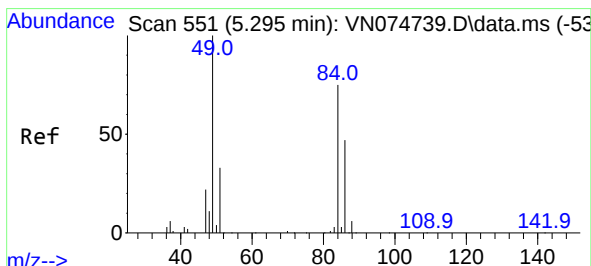
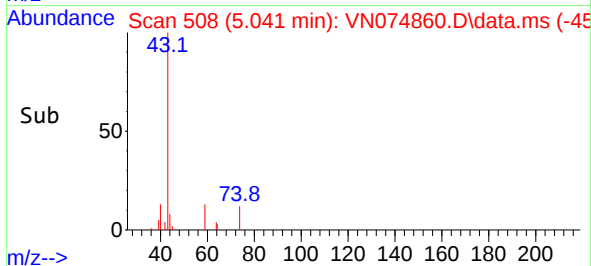
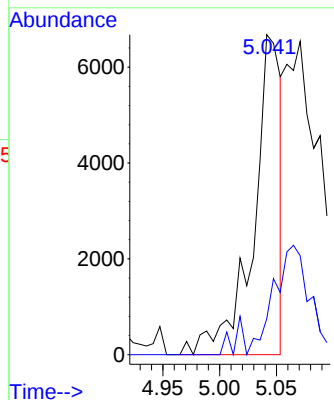
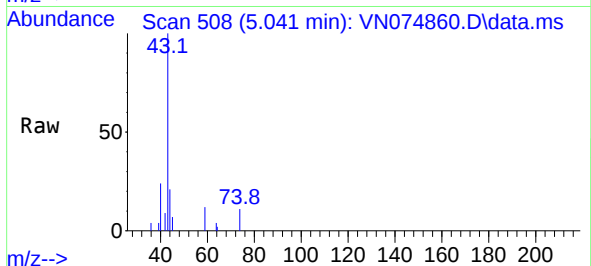




#18
Methyl Acetate
Concen: 0.552 ug/l
RT: 5.041 min Scan# 509
Delta R.T. -0.006 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

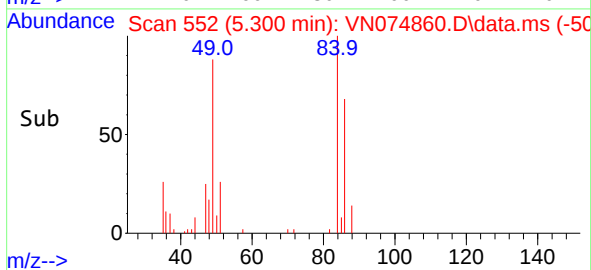
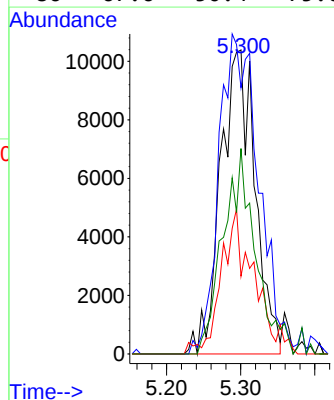
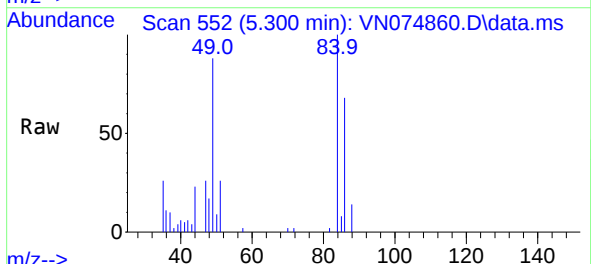
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#09

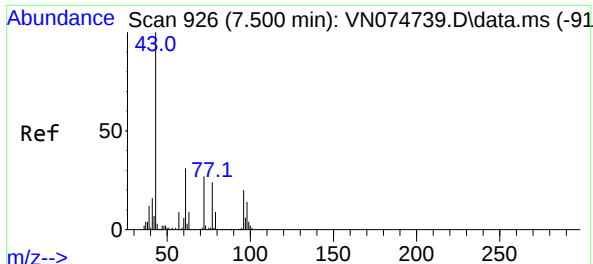
Tgt Ion: 43 Resp: 11244
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



#20
Methylene Chloride
Concen: 1.672 ug/l
RT: 5.300 min Scan# 552
Delta R.T. 0.005 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion: 84 Resp: 33443
Ion Ratio Lower Upper
84 100
49 85.6 107.4 161.0#
51 25.6 35.1 52.7#
86 67.6 50.4 75.6

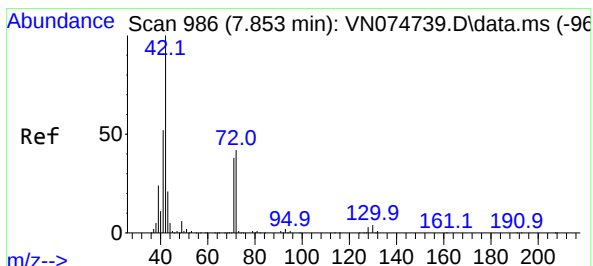
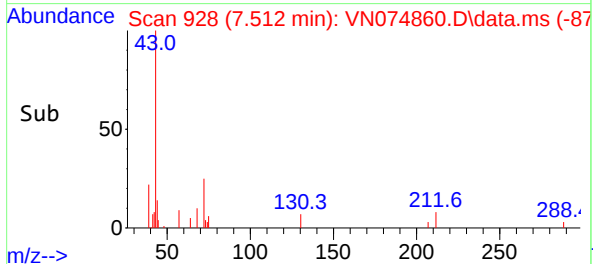
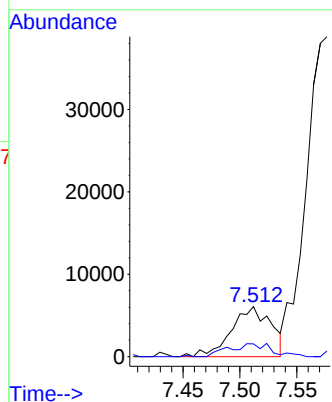
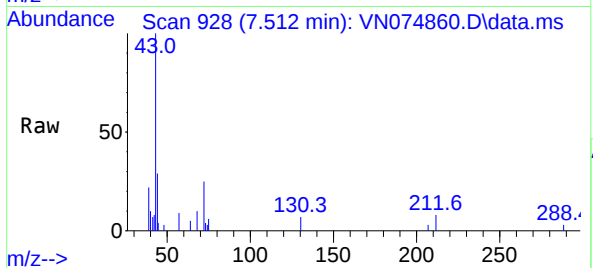




#25
2-Butanone
Concen: 1.475 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

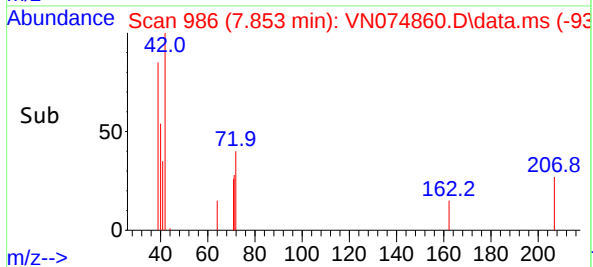
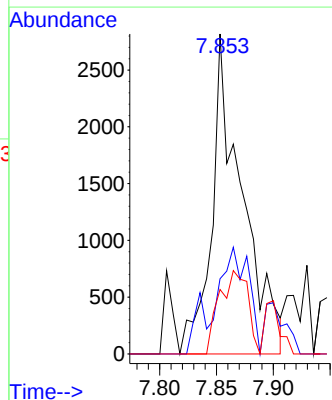
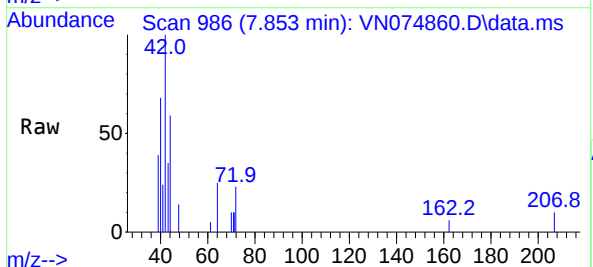
Instrument :
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ClientSampleId :
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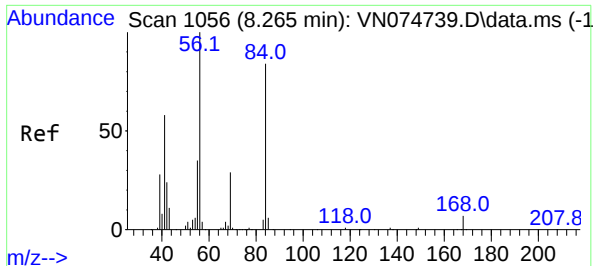
Tgt Ion: 43 Resp: 14740
Ion Ratio Lower Upper
43 100
72 25.5 21.4 32.0



#29
Tetrahydrofuran
Concen: 0.751 ug/l
RT: 7.853 min Scan# 986
Delta R.T. -0.000 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion: 42 Resp: 5226
Ion Ratio Lower Upper
42 100
72 31.1 33.0 49.6#
71 24.4 30.4 45.6#

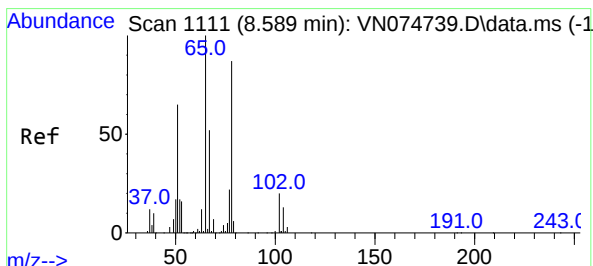
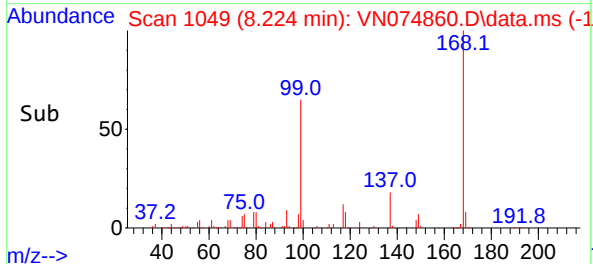
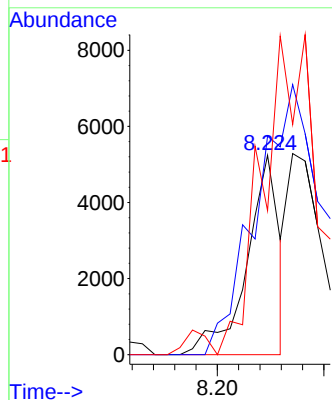
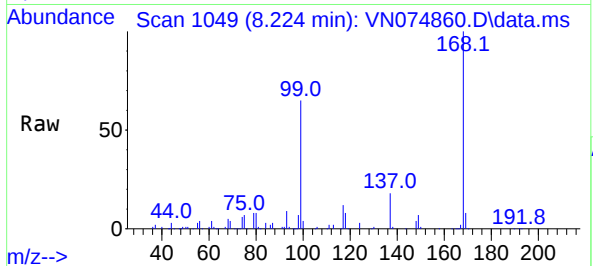




#31
Cyclohexane
Concen: 0.330 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

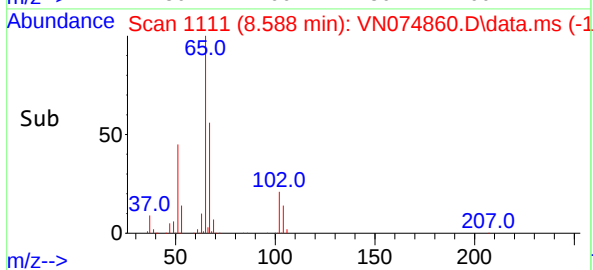
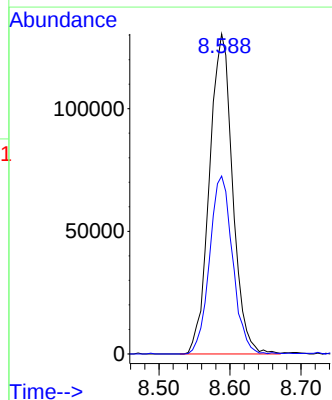
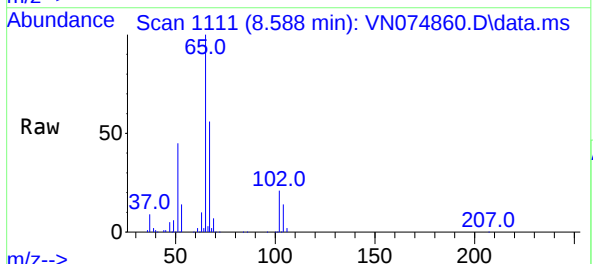
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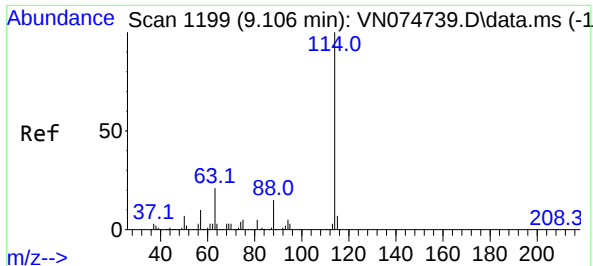
Tgt Ion: 56 Resp: 5533
Ion Ratio Lower Upper
56 100
69 109.6 23.1 34.7#
84 68.7 67.1 100.7



#33
1,2-Dichloroethane-d4
Concen: 30.414 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion: 65 Resp: 295449
Ion Ratio Lower Upper
65 100
67 55.1 0.0 109.0

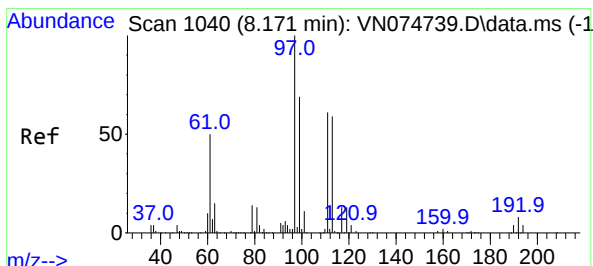
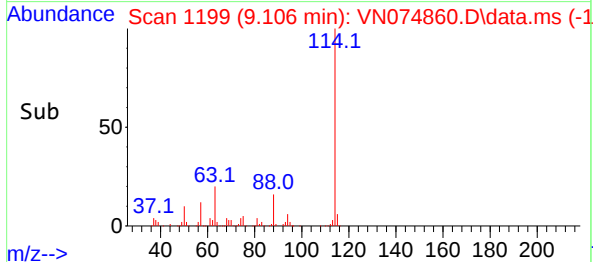
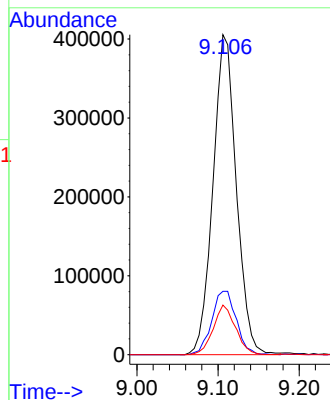
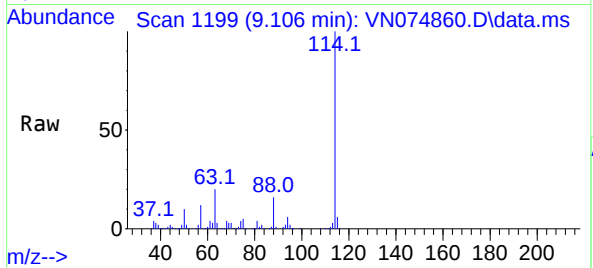




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

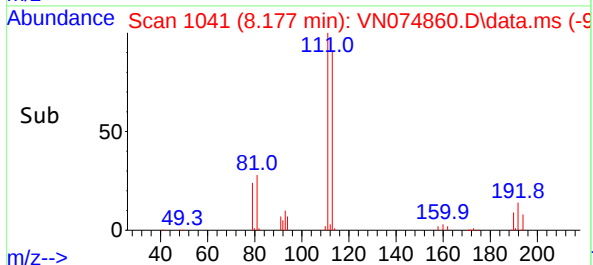
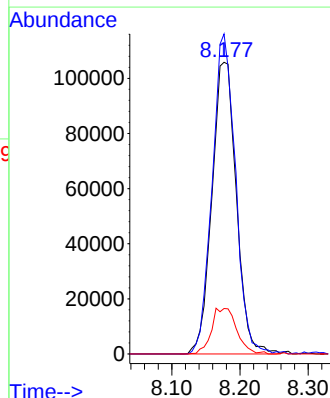
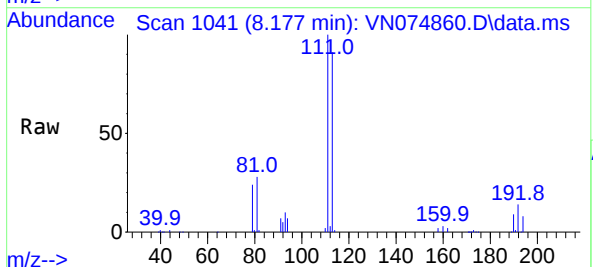
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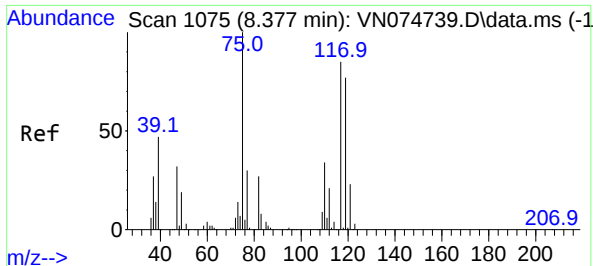
Tgt Ion:114 Resp: 810842
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.2
88 15.5 0.0 30.2



#35
Dibromofluoromethane
Concen: 32.201 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion:113 Resp: 263804
Ion Ratio Lower Upper
113 100
111 104.6 83.0 124.6
192 16.2 12.6 18.8

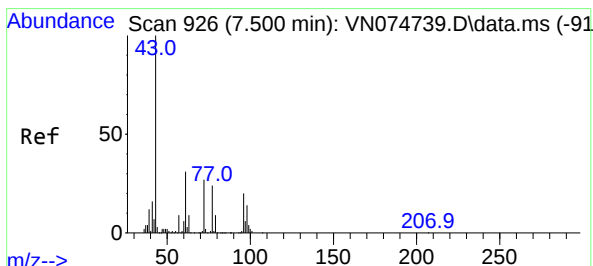
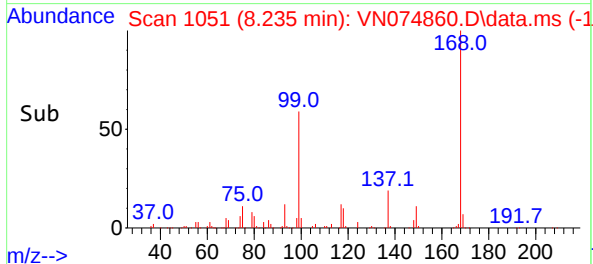
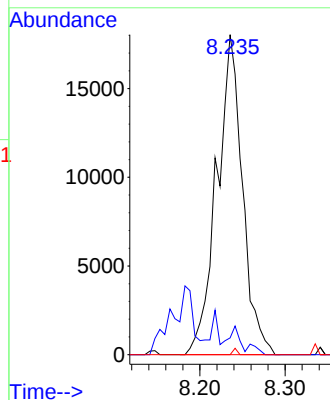
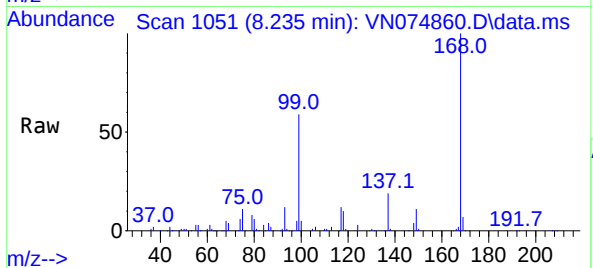




#36
1,1-Dichloropropene
Concen: 2.850 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

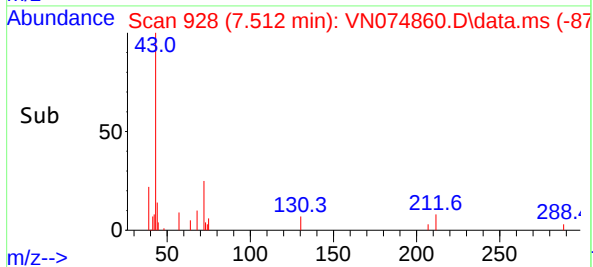
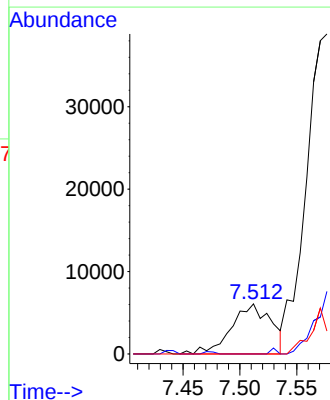
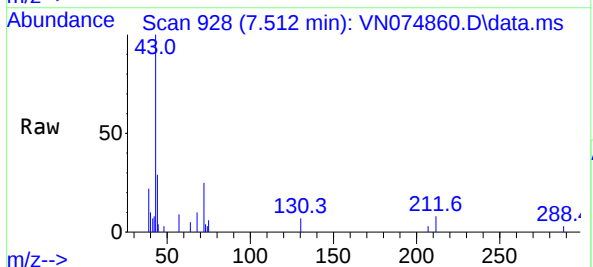
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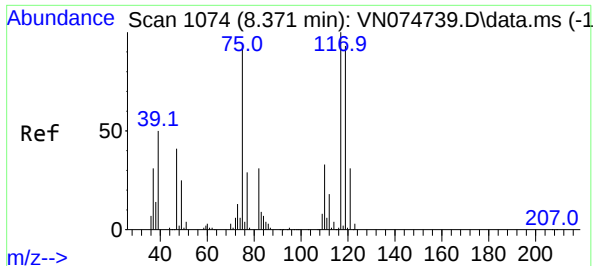
Tgt Ion: 75 Resp: 37791
Ion Ratio Lower Upper
75 100
110 2.7 17.2 51.5#
77 0.3 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.277 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.012 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion: 43 Resp: 14740
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#

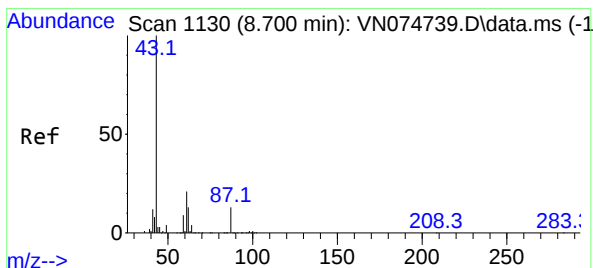
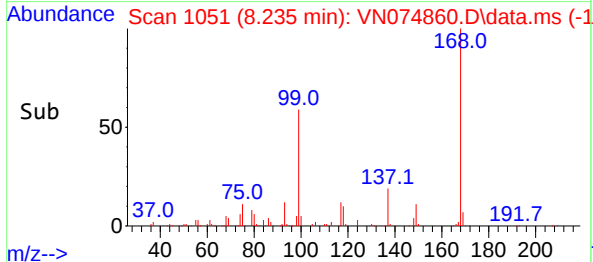
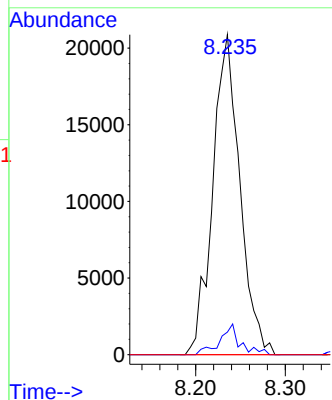
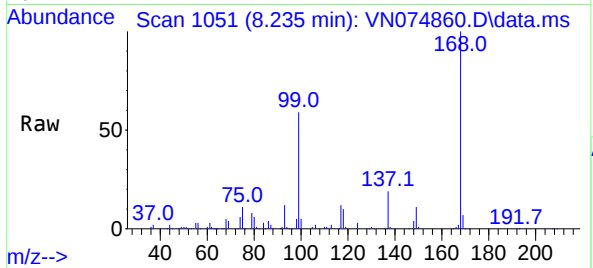




#38
Carbon Tetrachloride
Concen: 3.510 ug/l
RT: 8.235 min Scan# 1109
Delta R.T. -0.136 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

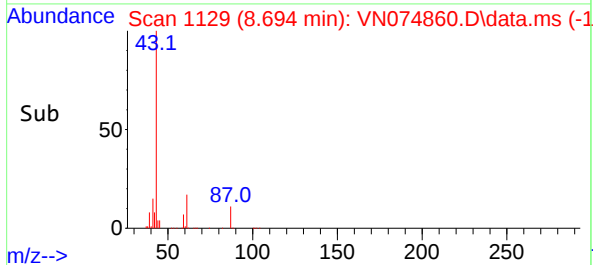
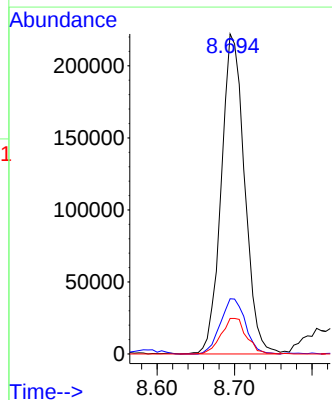
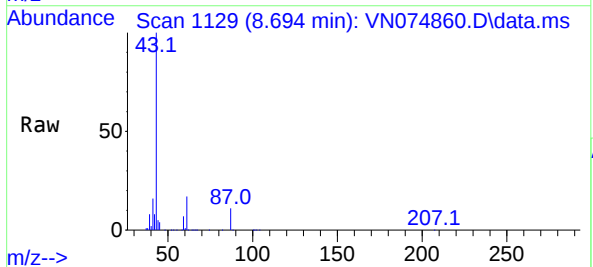
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#09

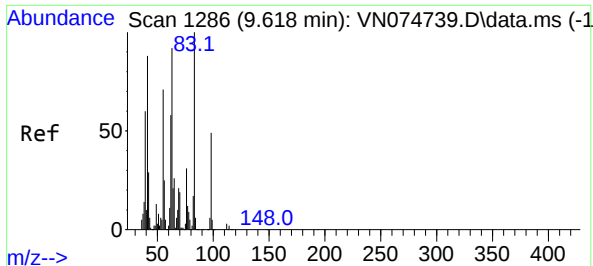
Tgt Ion:117 Resp: 43897
Ion Ratio Lower Upper
117 100
119 7.0 74.3 111.5#
121 0.0 25.0 37.4#



#43
Isopropyl Acetate
Concen: 14.140 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion: 43 Resp: 464770
Ion Ratio Lower Upper
43 100
61 18.5 19.4 29.0#
87 12.0 10.1 15.1





#48

Methyl methacrylate

Concen: 29.977 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN074860.D

Acq: 11 Oct 2022 20:38

Instrument :

MSVOA_N

ClientSampleId :

PB148255ZHE#09

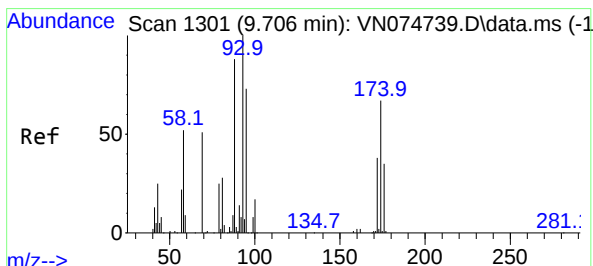
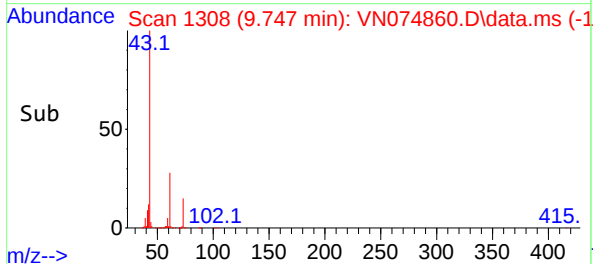
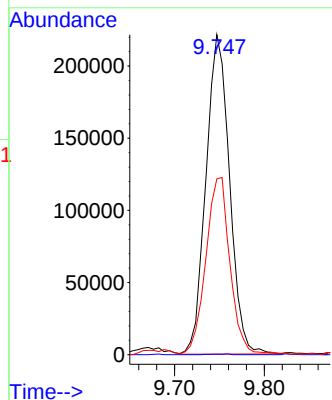
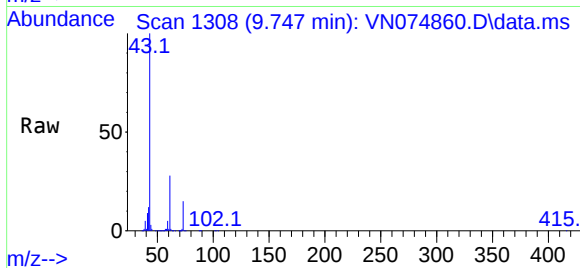
Tgt Ion: 41 Resp: 404519

Ion Ratio Lower Upper

41 100

69 0.1 0.0 0.0#

39 56.8 54.4 81.6



#49

1,4-Dioxane

Concen: 0.383 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.036 min

Lab File: VN074860.D

Acq: 11 Oct 2022 20:38

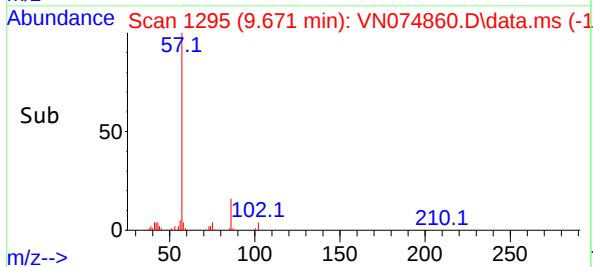
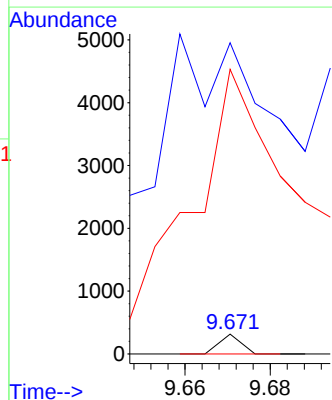
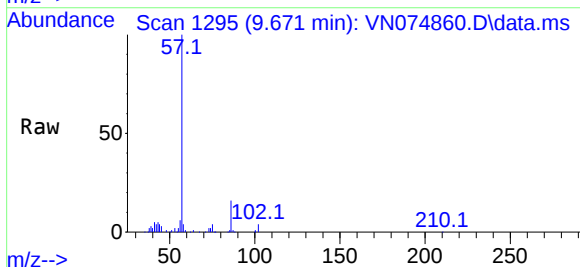
Tgt Ion: 88 Resp: 112

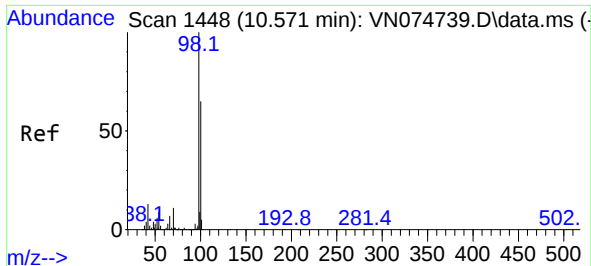
Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 7913.4 54.9 82.3#

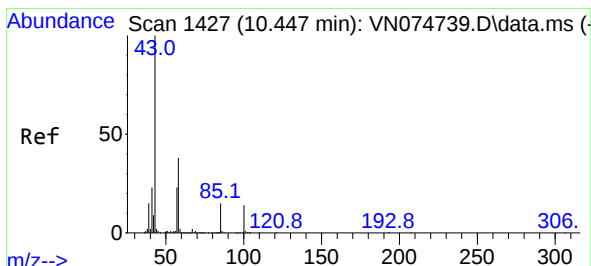
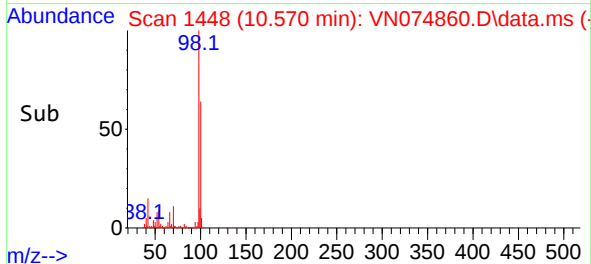
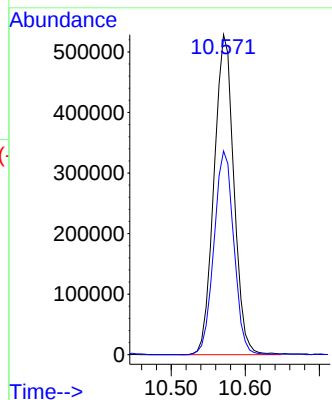
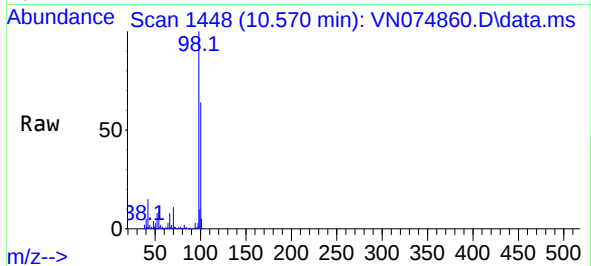




#50
Toluene-d8
Concen: 27.945 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

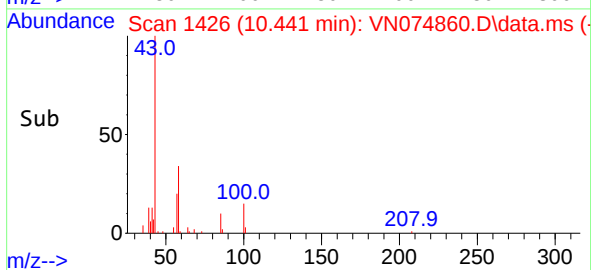
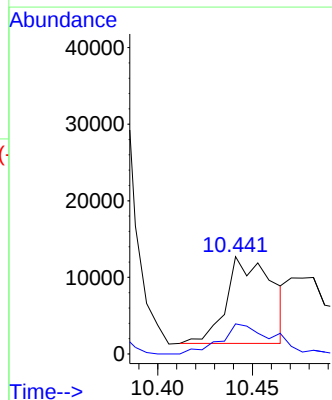
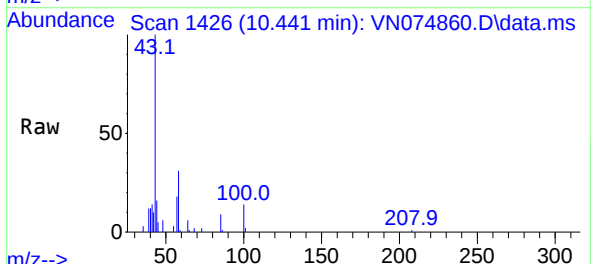
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#09

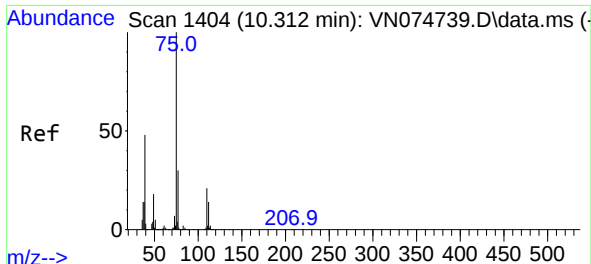
Tgt Ion: 98 Resp: 982327
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.896 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion: 43 Resp: 18957
Ion Ratio Lower Upper
43 100
58 39.8 30.6 45.8

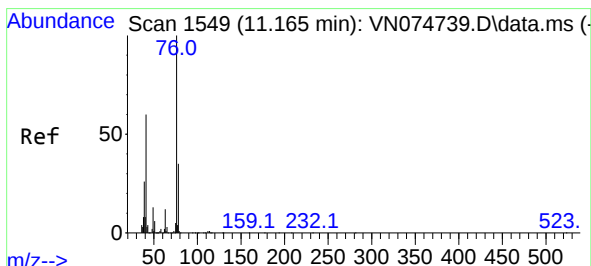
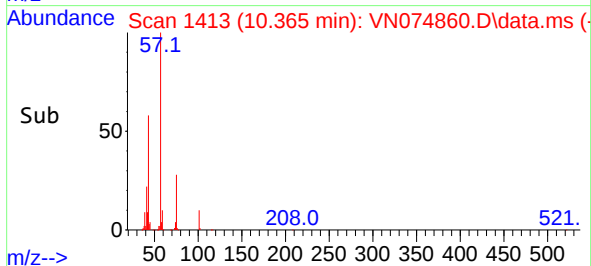
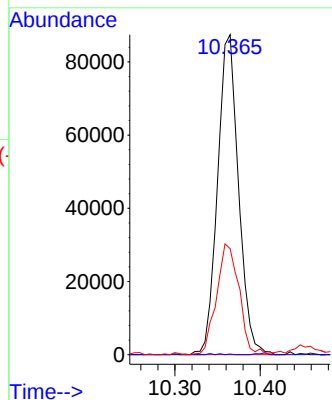
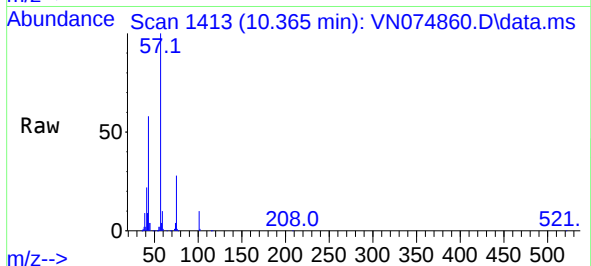




#54
cis-1,3-Dichloropropene
Concen: 8.332 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

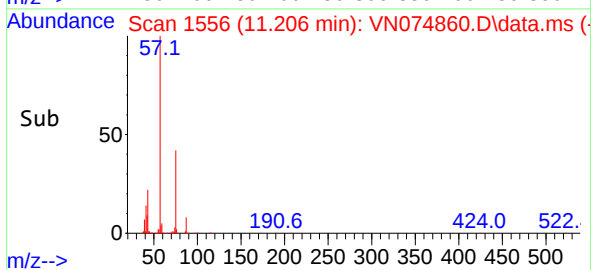
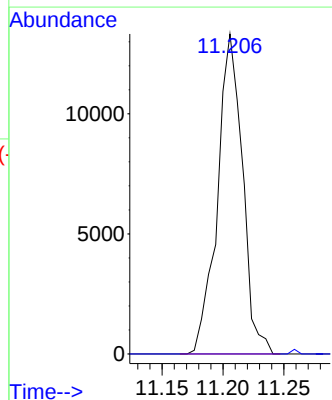
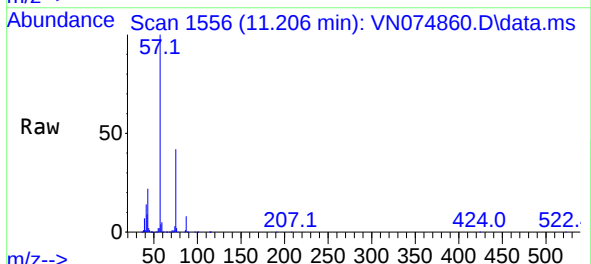
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#09

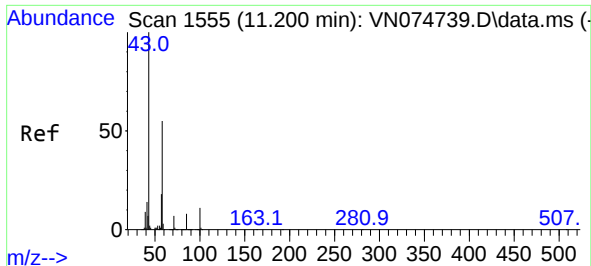
Tgt Ion: 75 Resp: 149353
Ion Ratio Lower Upper
75 100
77 0.2 24.4 36.6#
39 32.8 38.6 57.8#



#57
1,3-Dichloropropane
Concen: 1.024 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion: 76 Resp: 19145
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

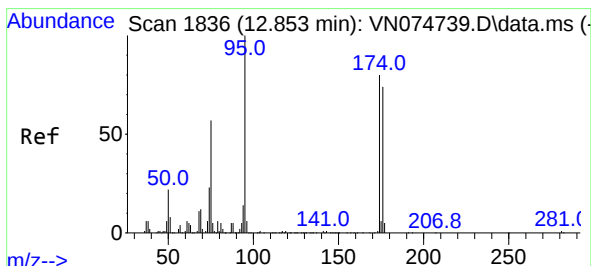
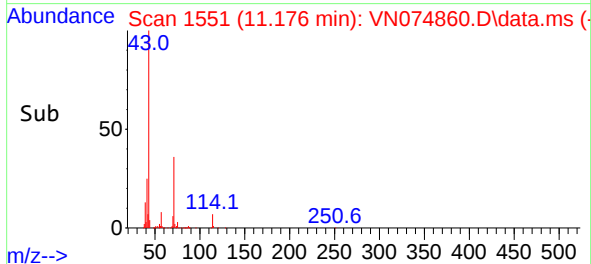
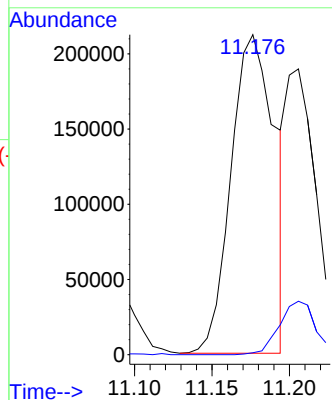
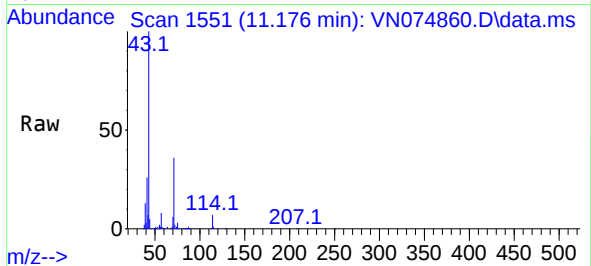




#59
2-Hexanone
Concen: 25.897 ug/l
RT: 11.176 min Scan# 1151
Delta R.T. -0.024 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

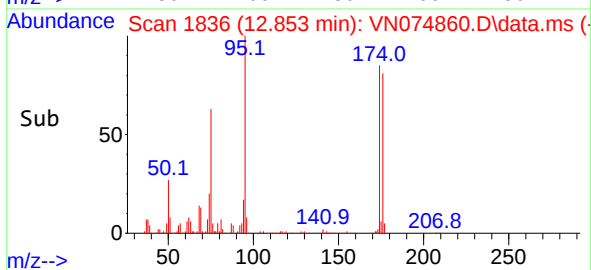
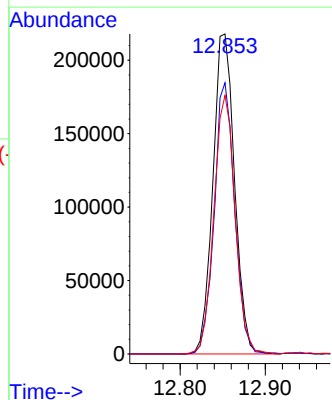
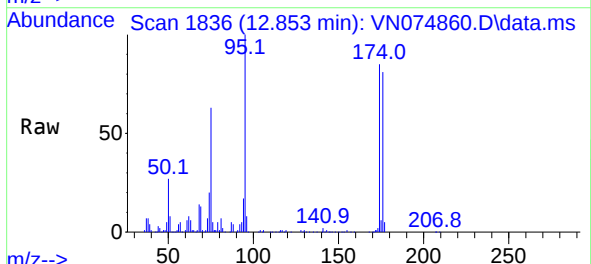
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#09

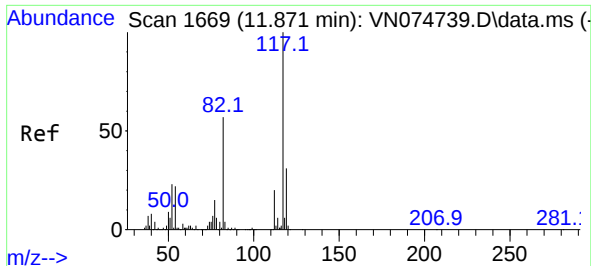
Tgt Ion: 43 Resp: 414611
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 36.055 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion: 95 Resp: 385275
Ion Ratio Lower Upper
95 100
174 80.0 0.0 149.4
176 79.1 0.0 142.0

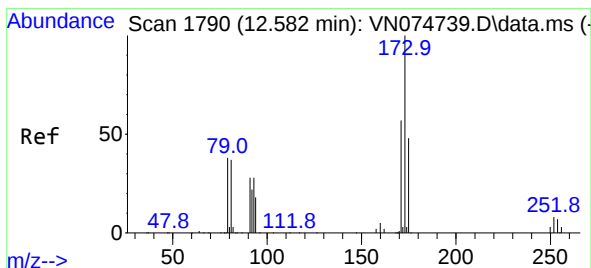
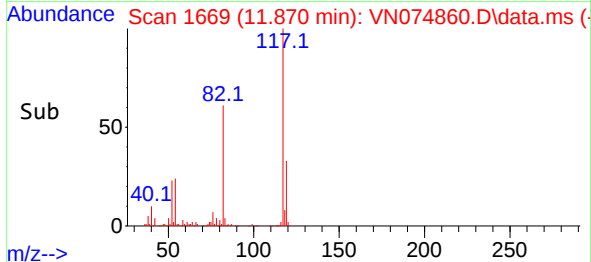
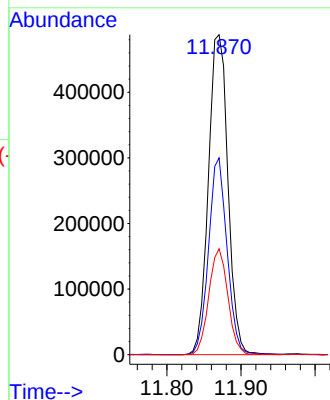
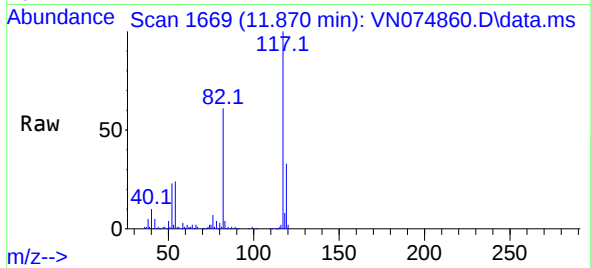




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

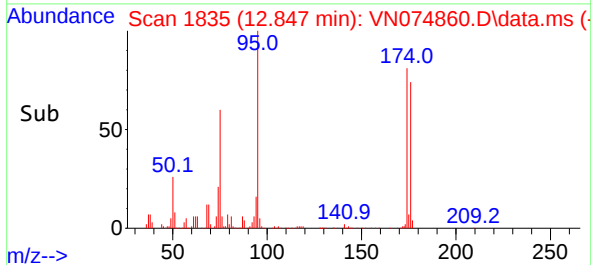
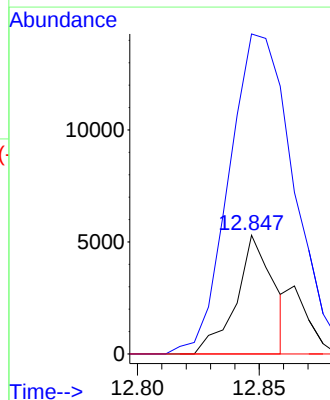
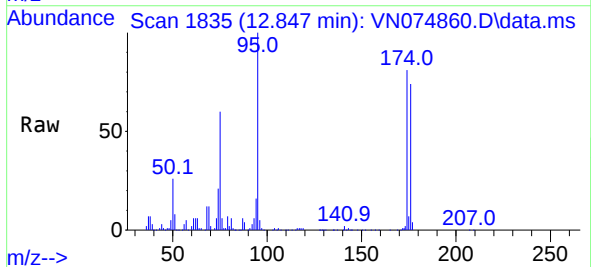
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#09

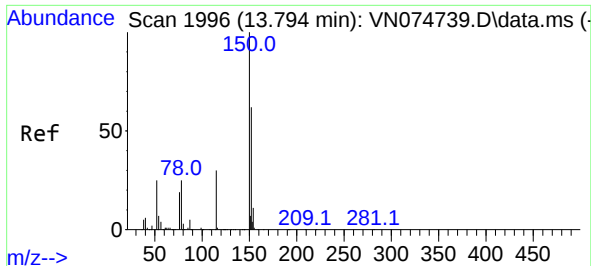
Tgt Ion:117 Resp: 895026
Ion Ratio Lower Upper
117 100
82 61.5 45.4 68.2
119 33.1 25.1 37.7



#71
Bromoform
Concen: 0.739 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.264 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion:173 Resp: 5647
Ion Ratio Lower Upper
173 100
175 375.5 23.9 71.7#
254 0.0 0.1 0.1#

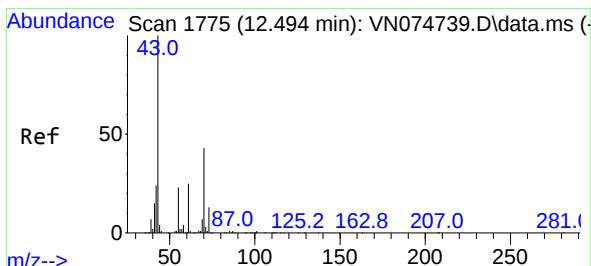
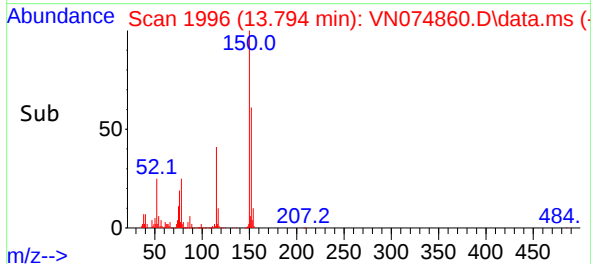
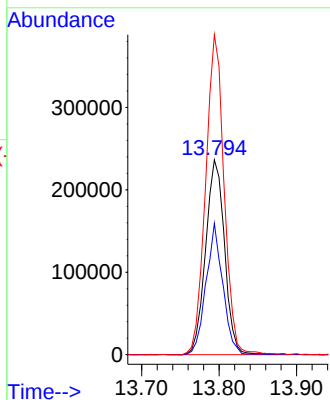
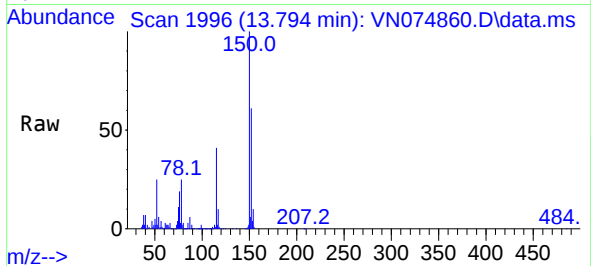




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

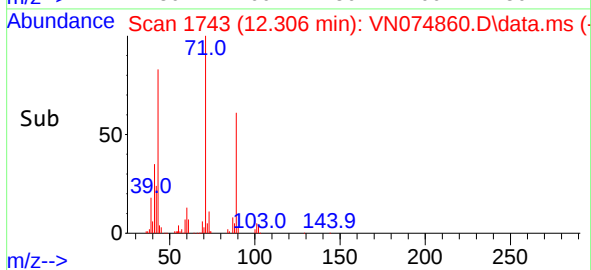
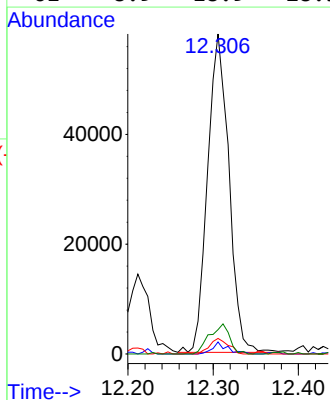
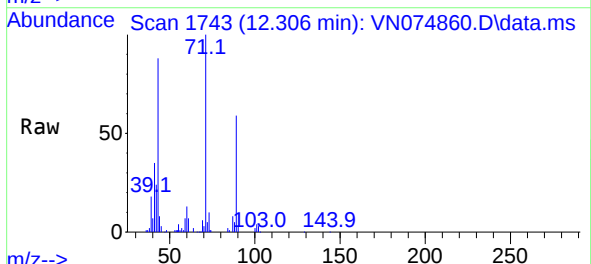
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#09

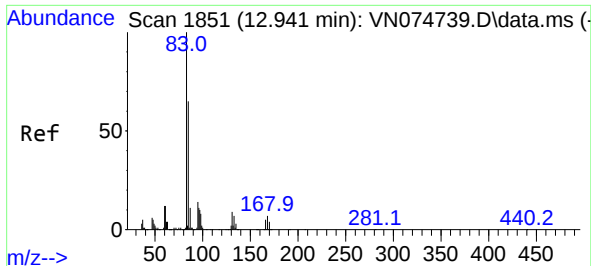
Tgt Ion:152 Resp: 402515
Ion Ratio Lower Upper
152 100
115 60.0 30.0 90.0
150 159.7 0.0 356.4



#74
N-ethyl acetate
Concen: 4.311 ug/l
RT: 12.306 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion: 43 Resp: 100950
Ion Ratio Lower Upper
43 100
70 2.7 32.9 49.3#
55 4.3 17.8 26.6#
61 8.9 18.9 28.3#

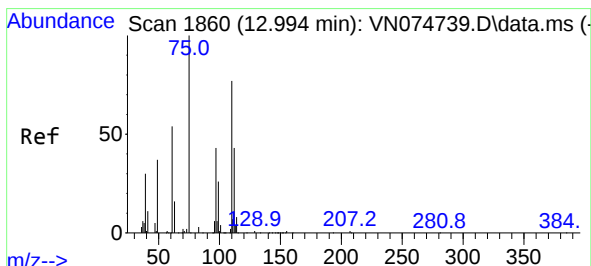
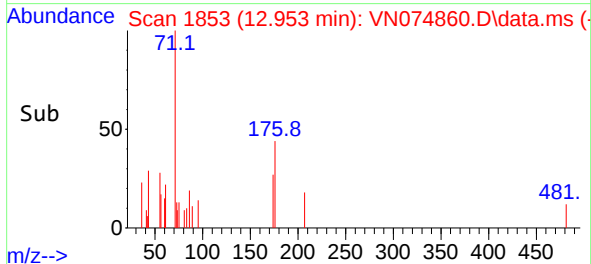
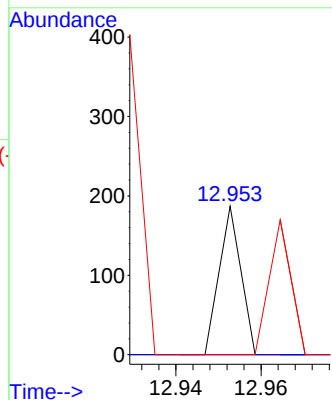
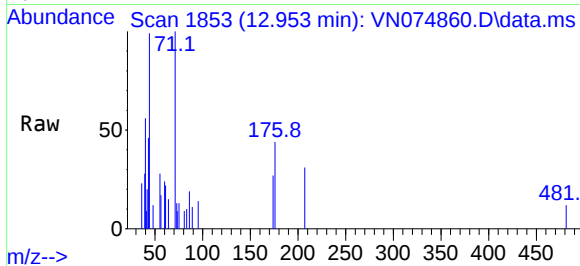




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.953 min Scan# 1836
Delta R.T. 0.012 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

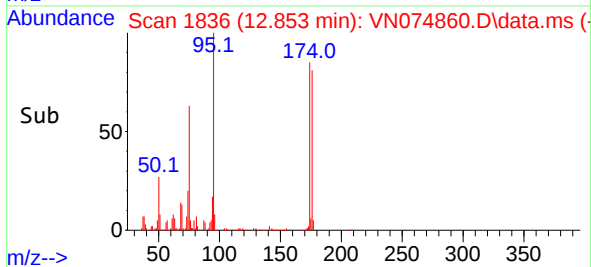
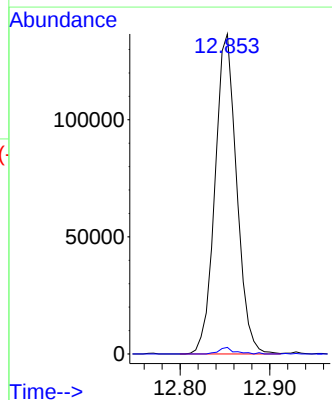
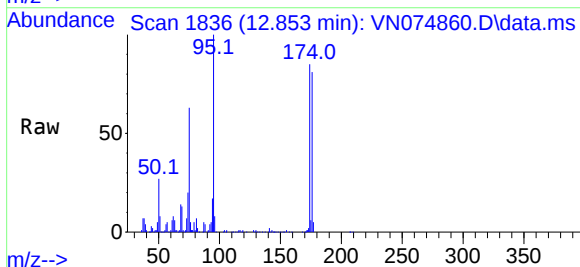
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#09

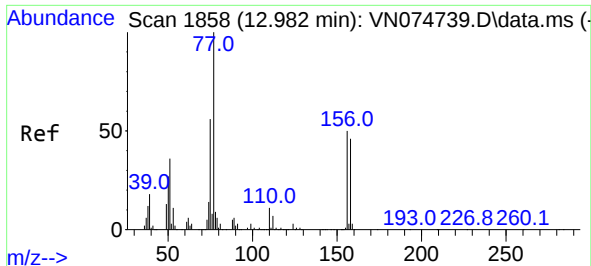
Tgt Ion: 83 Resp: 66
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 90.9 32.9 98.6



#76
1,2,3-Trichloropropane
Concen: 19.037 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

Tgt Ion: 75 Resp: 228714
Ion Ratio Lower Upper
75 100
77 1.5 76.9 230.7#

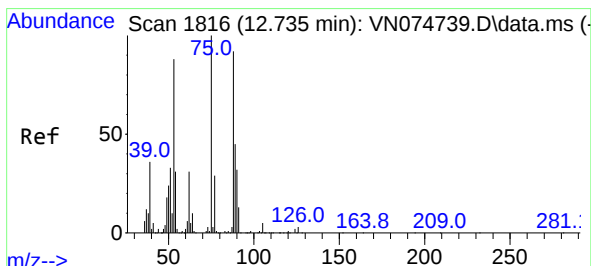
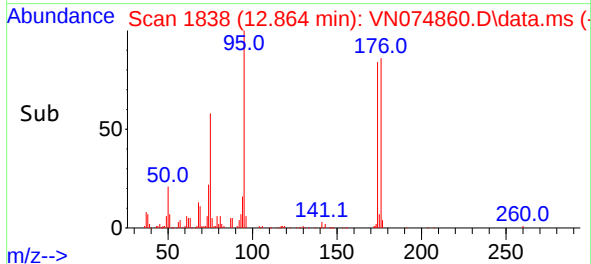
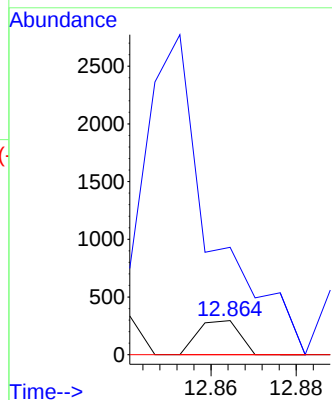
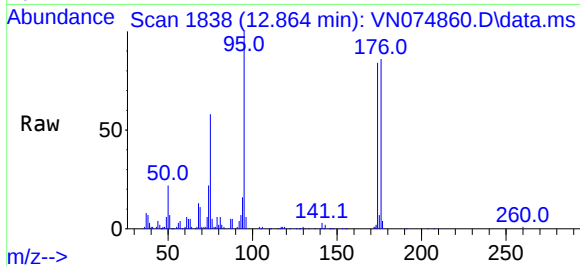




#77
Bromobenzene
Concen: Below Cal
RT: 12.864 min Scan# 1838
Delta R.T. -0.118 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

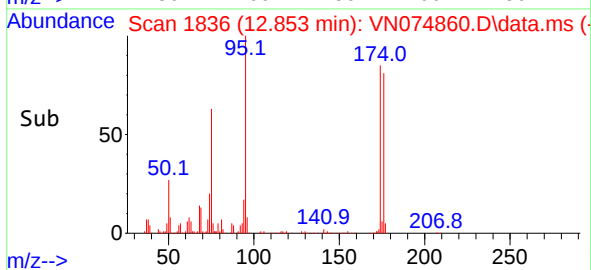
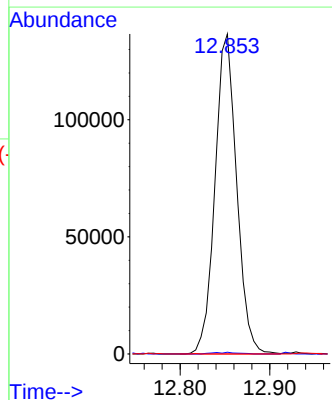
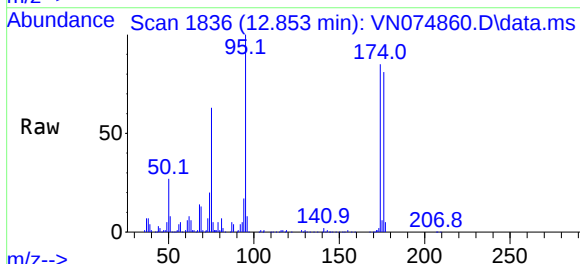
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#09

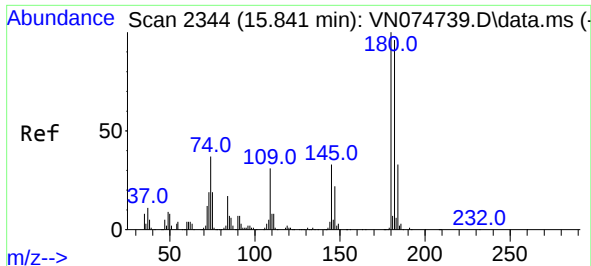
Tgt Ion:156 Resp: 202
Ion Ratio Lower Upper
156 100
77 0.0 124.7 374.1#
158 0.0 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 37.092 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074860.D
Acq: 11 Oct 2022 20:38

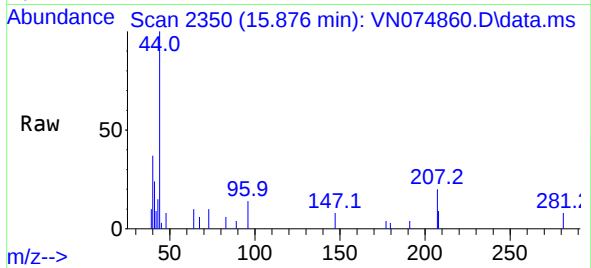
Tgt Ion: 75 Resp: 228714
Ion Ratio Lower Upper
75 100
53 0.3 71.4 107.0#
89 0.0 32.1 48.1#





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.876 min Scan# 21
 Delta R.T. 0.035 min
 Lab File: VN074860.D
 Acq: 11 Oct 2022 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#09



Tgt Ion:180 Resp: 57
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 17.1 51.2#

