

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101122\
 Data File : VN074861.D
 Acq On : 11 Oct 2022 21:03
 Operator : JC\MD
 Sample : PB148255ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#10

Quant Time: Oct 12 03:59:32 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)

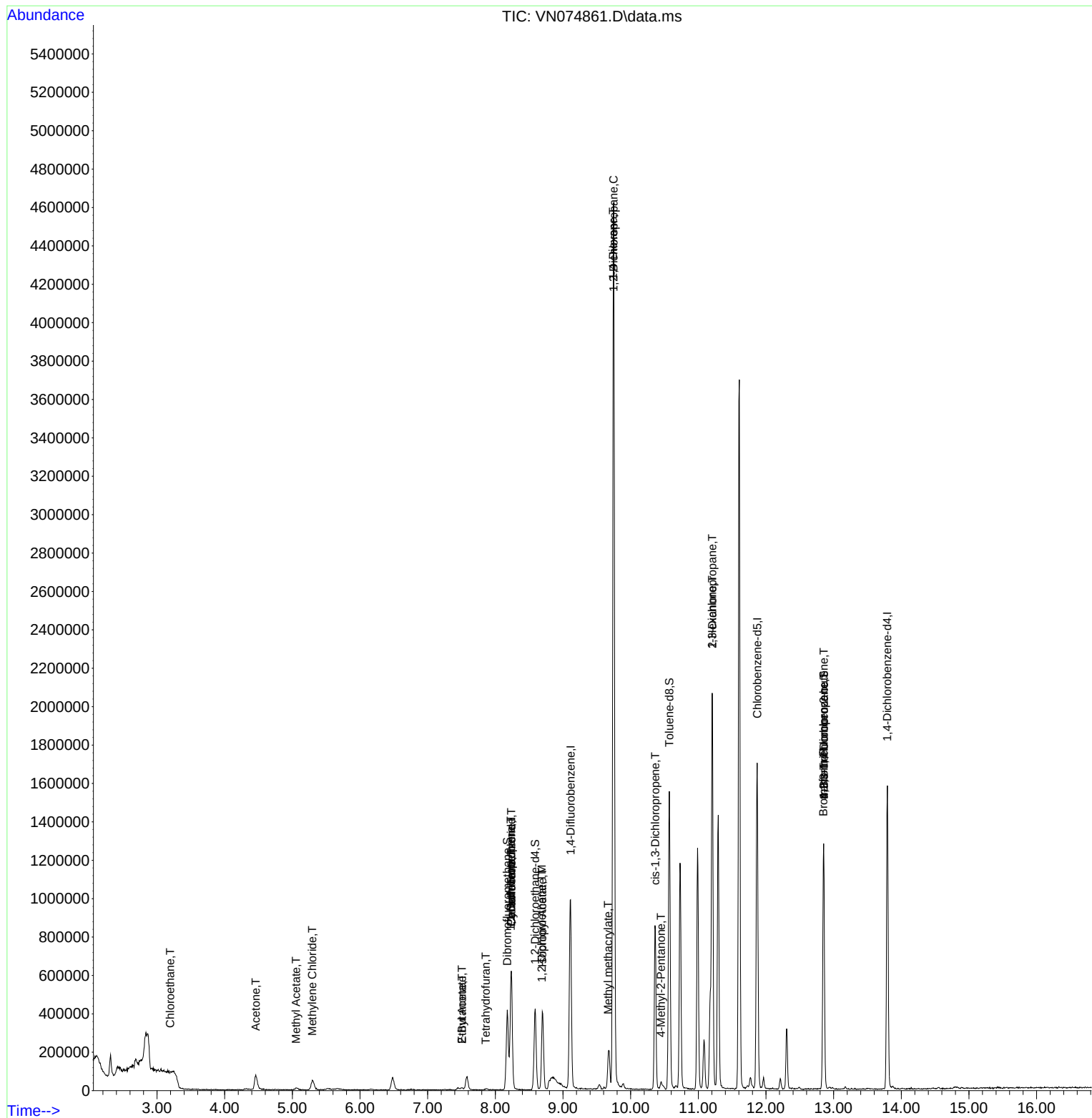
Internal Standards						
1) Pentafluorobenzene	8.236	168	432589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	861622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	934653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	398026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	309013	30.148	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	60.300%#
35) Dibromofluoromethane	8.177	113	283368	32.551	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	65.100%#
50) Toluene-d8	10.571	98	1029015	27.548	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	55.100%#
62) 4-Bromofluorobenzene	12.853	95	391117	34.444	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	68.880%#
Target Compounds						
					Qvalue	
6) Chloroethane	3.195	64	3222	0.267	ug/l	94
13) Acrolein	4.212	56	454	Below Cal	#	83
16) Acetone	4.459	43	142105	24.465	ug/l	100
18) Methyl Acetate	5.053	43	16357	0.761	ug/l	94
20) Methylene Chloride	5.295	84	36395	1.798	ug/l	# 82
25) 2-Butanone	7.506	43	17817	1.690	ug/l	# 82
29) Tetrahydrofuran	7.859	42	5680	0.773	ug/l	# 48
31) Cyclohexane	8.236	56	11800	0.666	ug/l	# 1
36) 1,1-Dichloropropene	8.230	75	43675	3.100	ug/l	# 49
37) Ethyl Acetate	7.506	43	17817	0.315	ug/l	# 86
38) Carbon Tetrachloride	8.236	117	46056	3.466	ug/l	# 16
42) 1,2-Dichloroethane	8.688	62	3208	0.224	ug/l	# 74
43) Isopropyl Acetate	8.694	43	478772	13.708	ug/l	# 91
45) 1,2-Dichloropropane	9.747	63	6271	0.508	ug/l	# 44
48) Methyl methacrylate	9.665	41	13835	0.965	ug/l	# 16
49) 1,4-Dioxane	9.741	88	454	1.461	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.447	43	21813	0.970	ug/l	95
54) cis-1,3-Dichloropropene	10.365	75	145097	7.617	ug/l	# 65
57) 1,3-Dichloropropane	11.206	76	22135	1.115	ug/l	# 42
59) 2-Hexanone	11.206	43	248023	14.579	ug/l	# 57
71) Bromoform	12.847	173	3326	0.417	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.953	83	233	Below Cal	#	52
76) 1,2,3-Trichloropropane	12.853	75	238878	20.108	ug/l	# 1
77) Bromobenzene	12.865	156	140	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	238878	39.177	ug/l	# 15
96) 1,2,3-Trichlorobenzene	15.859	180	292	Below Cal	#	51

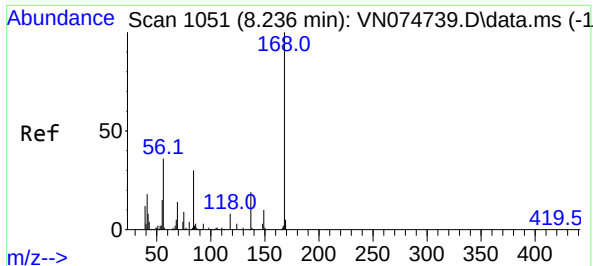
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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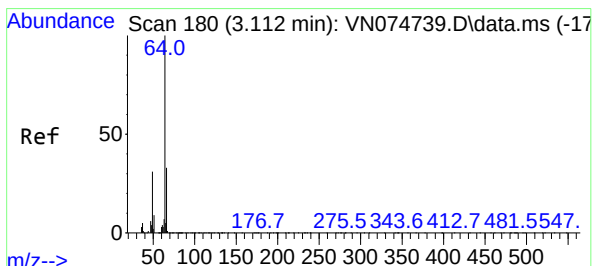
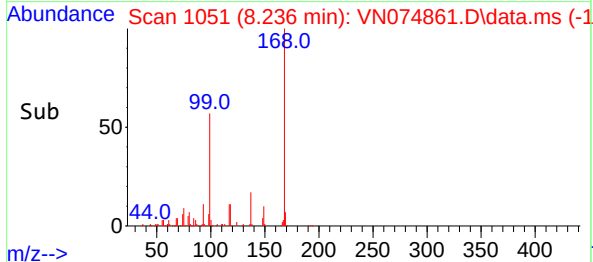
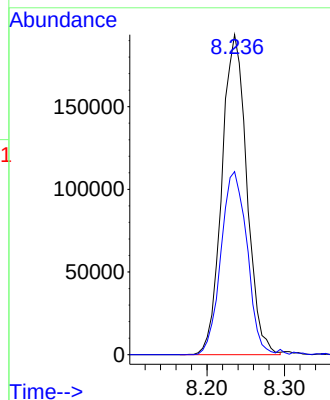
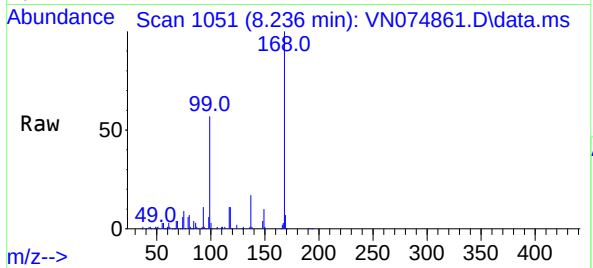




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

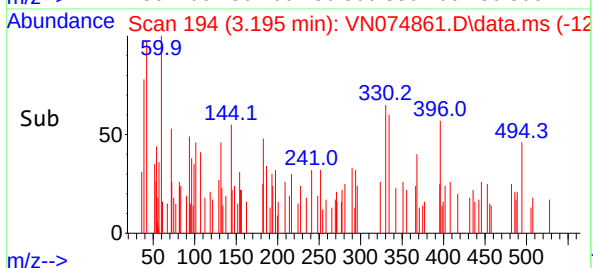
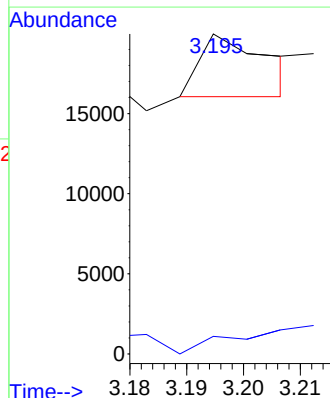
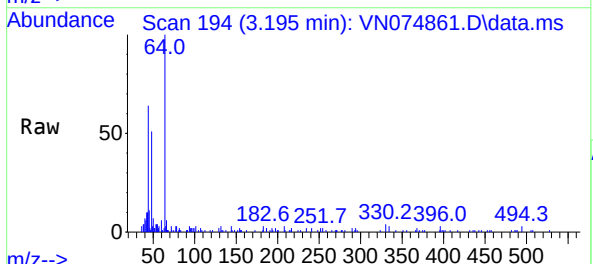
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#10

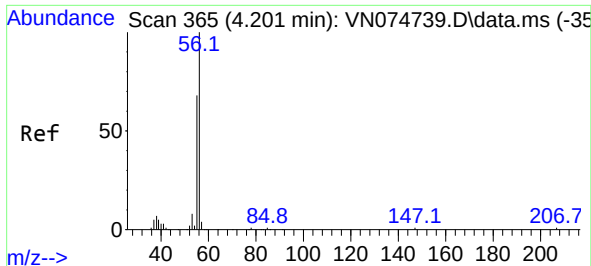
Tgt Ion:168 Resp: 432589
Ion Ratio Lower Upper
168 100
99 57.2 42.8 64.2



#6
Chloroethane
Concen: 0.267 ug/l
RT: 3.195 min Scan# 194
Delta R.T. 0.082 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Tgt Ion: 64 Resp: 3222
Ion Ratio Lower Upper
64 100
66 28.1 25.1 37.7

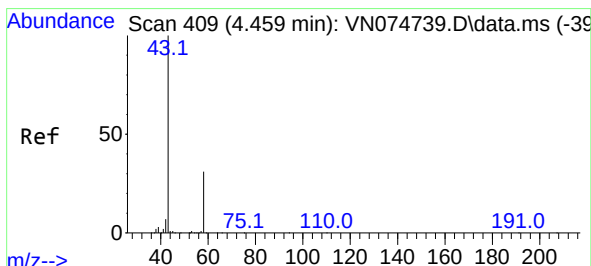
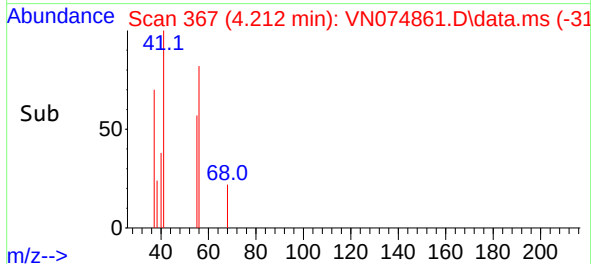
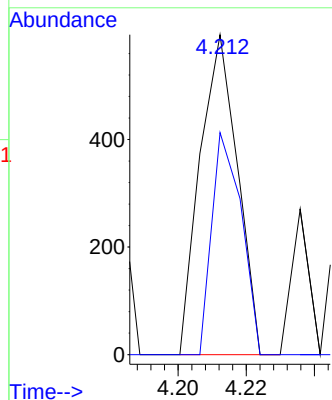
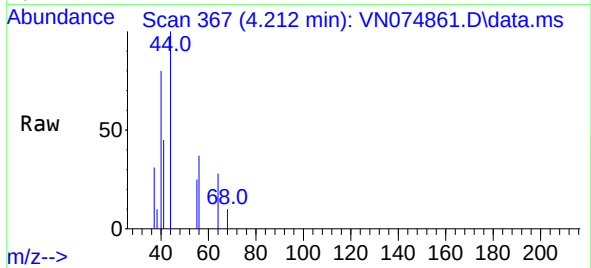




#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 30
Delta R.T. 0.011 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

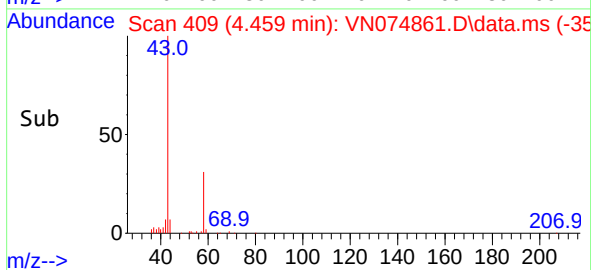
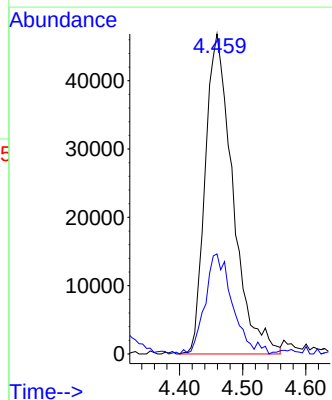
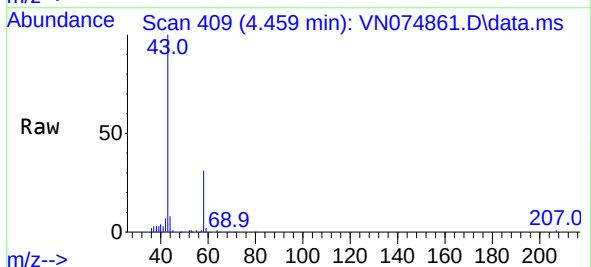
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#10

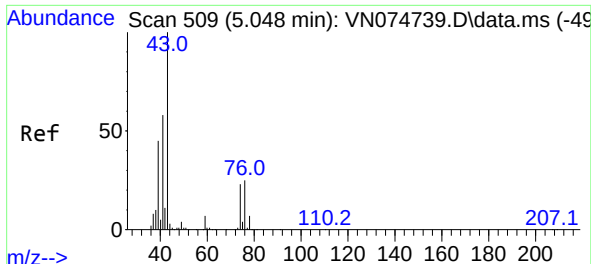
Tgt Ion: 56 Resp: 454
Ion Ratio Lower Upper
56 100
55 54.6 54.9 82.3#



#16
Acetone
Concen: 24.465 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Tgt Ion: 43 Resp: 142105
Ion Ratio Lower Upper
43 100
58 31.2 24.9 37.3

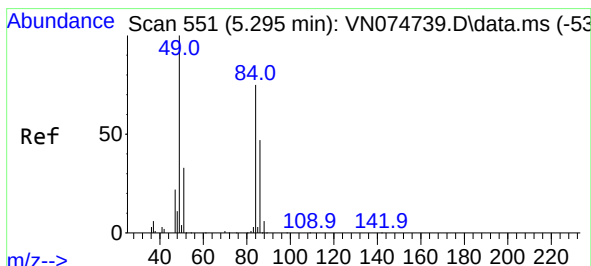
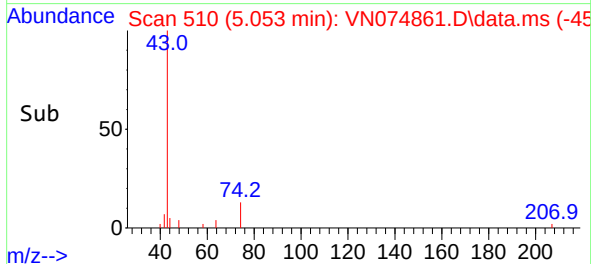
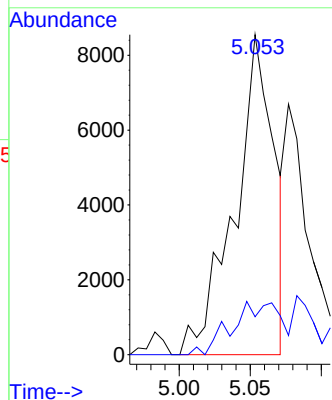
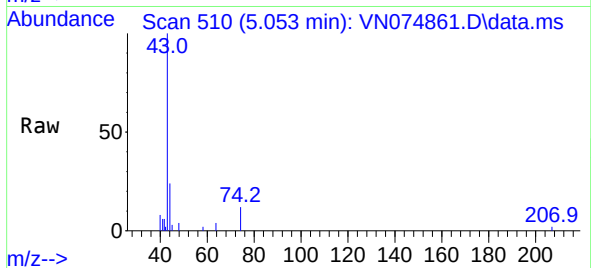




#18
Methyl Acetate
Concen: 0.761 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.006 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

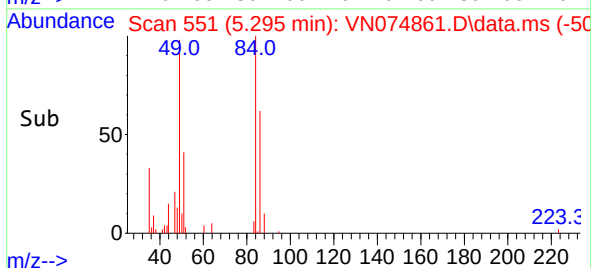
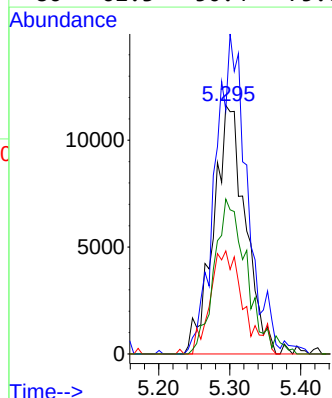
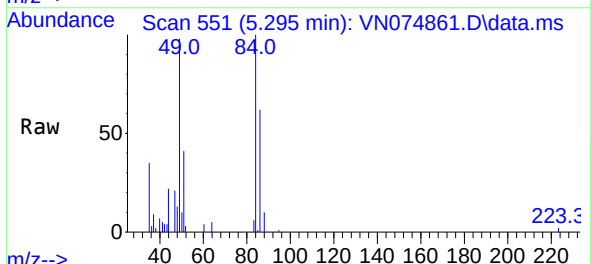
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#10

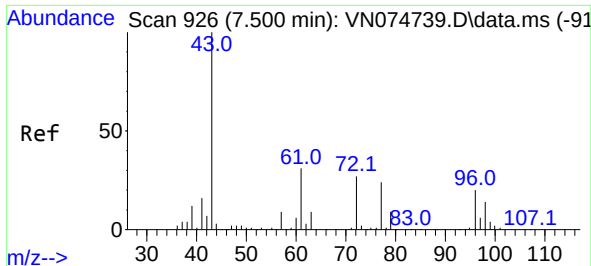
Tgt Ion: 43 Resp: 16357
Ion Ratio Lower Upper
43 100
74 20.4 18.5 27.7



#20
Methylene Chloride
Concen: 1.798 ug/l
RT: 5.295 min Scan# 551
Delta R.T. -0.000 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Tgt Ion: 84 Resp: 36395
Ion Ratio Lower Upper
84 100
49 98.2 107.4 161.0#
51 41.4 35.1 52.7
86 62.3 50.4 75.6

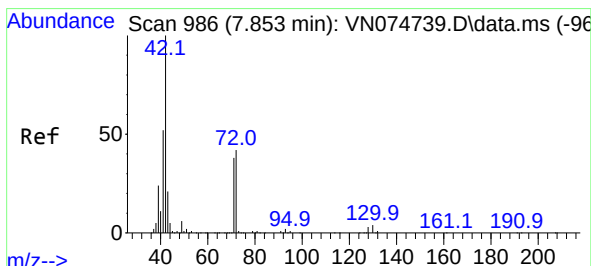
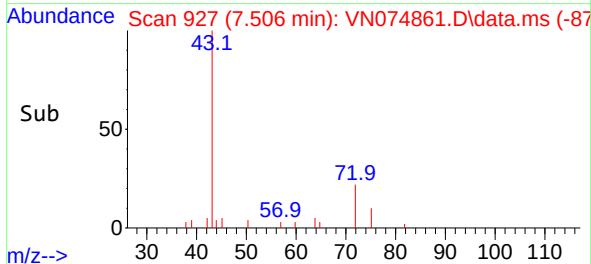
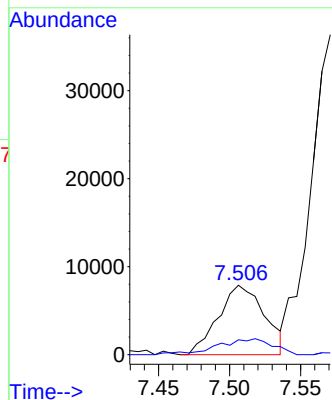
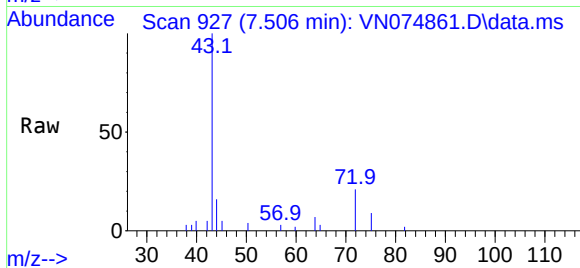




#25
2-Butanone
Concen: 1.690 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

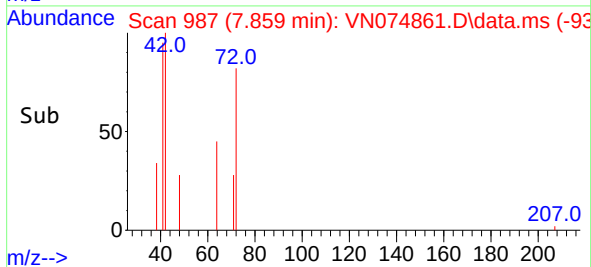
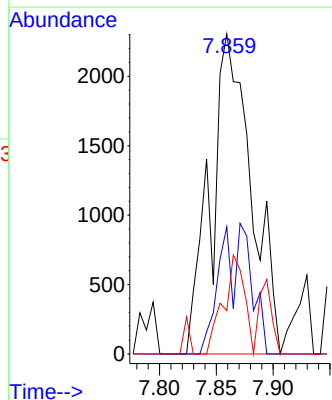
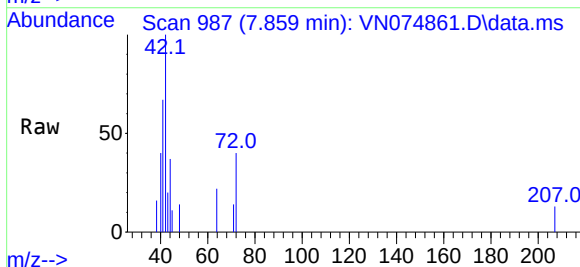
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#10

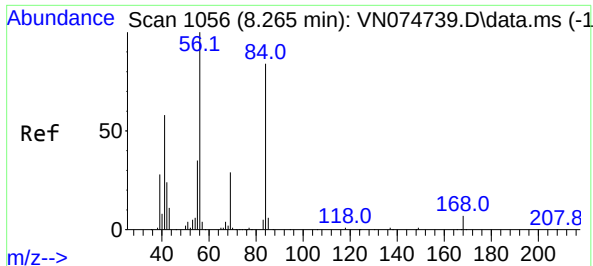
Tgt Ion: 43 Resp: 17817
Ion Ratio Lower Upper
43 100
72 17.6 21.4 32.0#



#29
Tetrahydrofuran
Concen: 0.773 ug/l
RT: 7.859 min Scan# 987
Delta R.T. 0.006 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Tgt Ion: 42 Resp: 5680
Ion Ratio Lower Upper
42 100
72 14.8 33.0 49.6#
71 0.0 30.4 45.6#

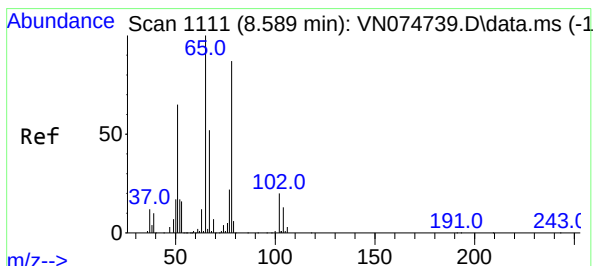
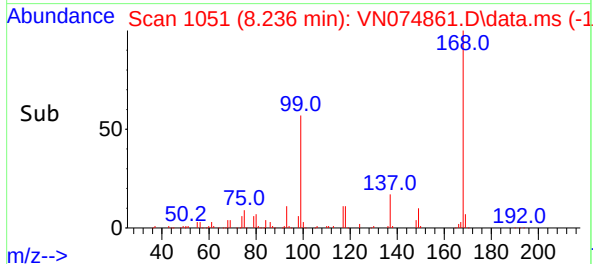
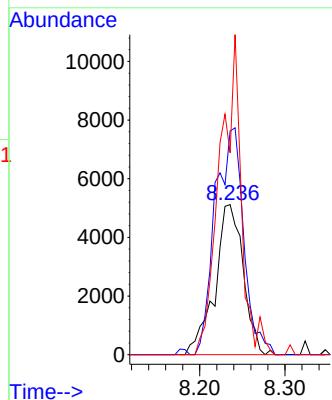
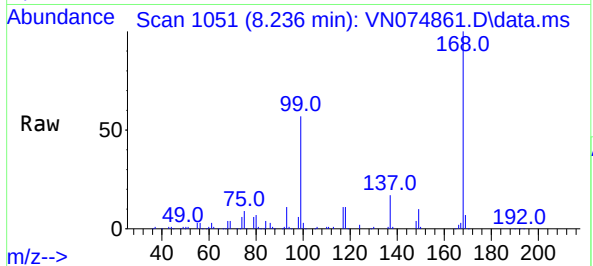




#31
Cyclohexane
Concen: 0.666 ug/l
RT: 8.236 min Scan# 1056
Delta R.T. -0.030 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

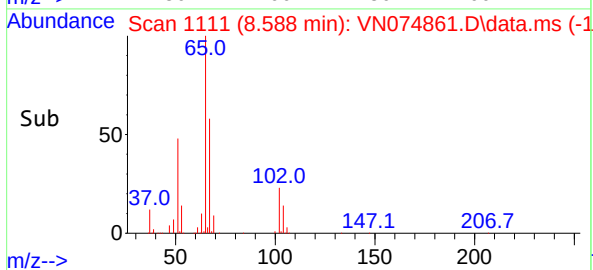
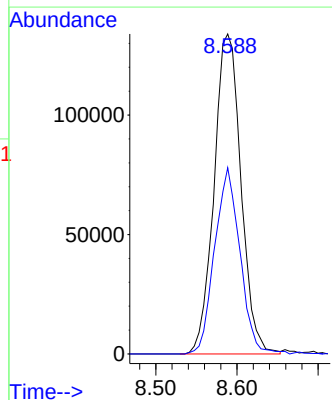
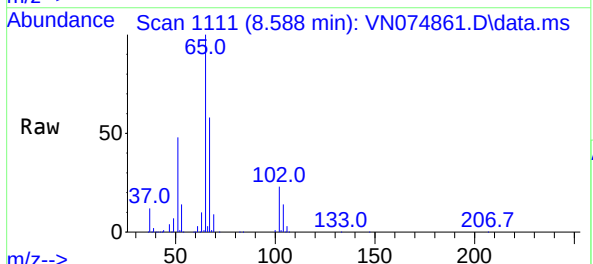
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#10

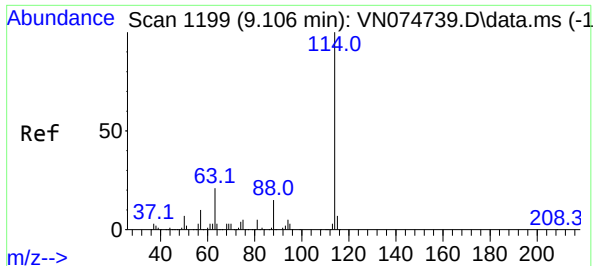
Tgt Ion: 56 Resp: 11800
Ion Ratio Lower Upper
56 100
69 149.1 23.1 34.7#
84 134.6 67.1 100.7#



#33
1,2-Dichloroethane-d4
Concen: 30.148 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Tgt Ion: 65 Resp: 309013
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1199

Delta R.T. 0.006 min

Lab File: VN074861.D

Acq: 11 Oct 2022 21:03

Instrument :

MSVOA_N

ClientSampleId :

PB148255ZHE#10

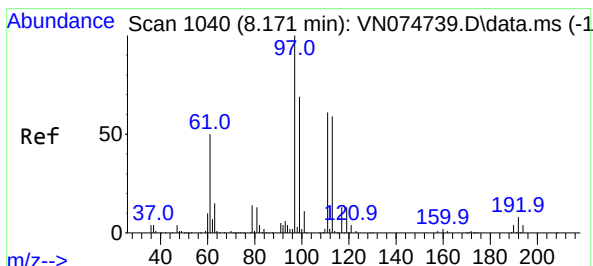
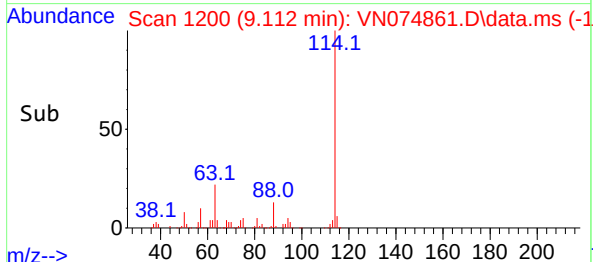
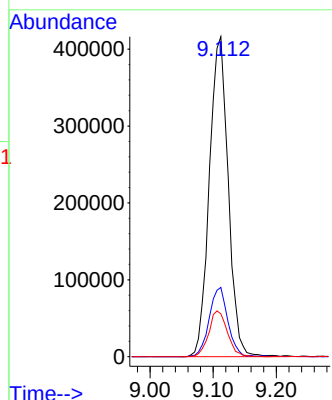
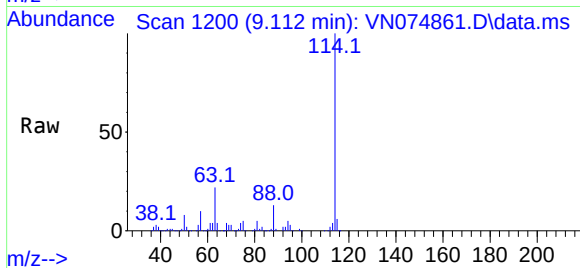
Tgt Ion:114 Resp: 861622

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.2

88 13.4 0.0 30.2



#35

Dibromofluoromethane

Concen: 32.551 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN074861.D

Acq: 11 Oct 2022 21:03

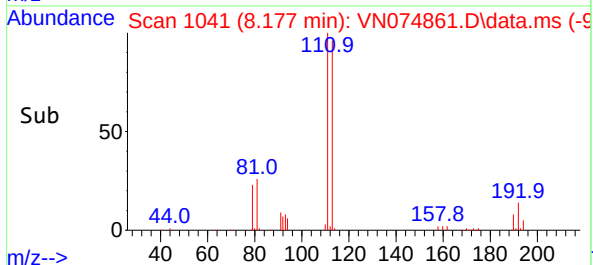
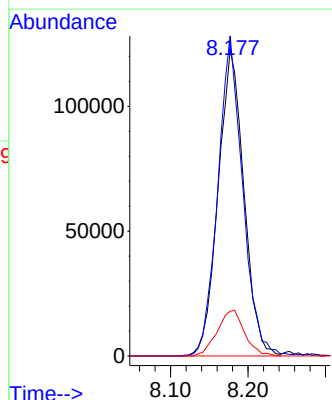
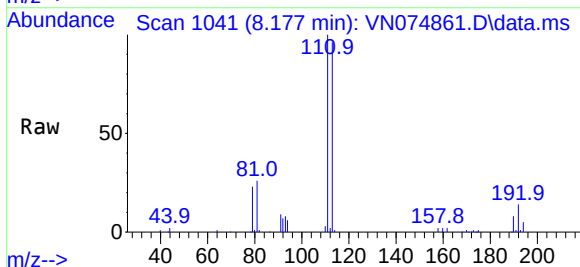
Tgt Ion:113 Resp: 283368

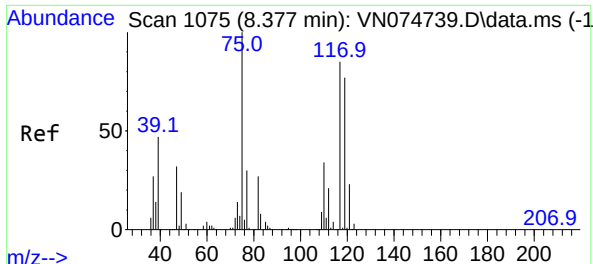
Ion Ratio Lower Upper

113 100

111 100.7 83.0 124.6

192 15.9 12.6 18.8

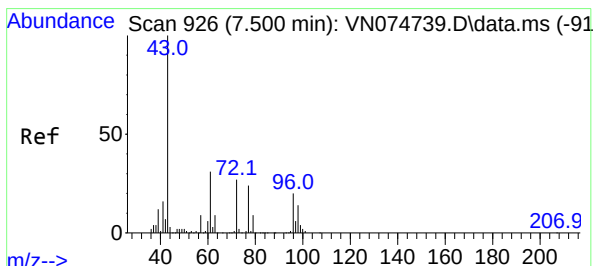
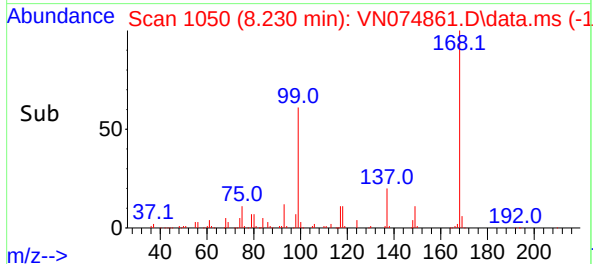
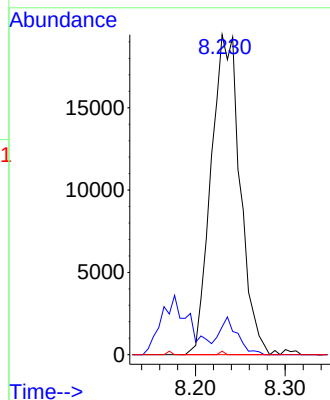
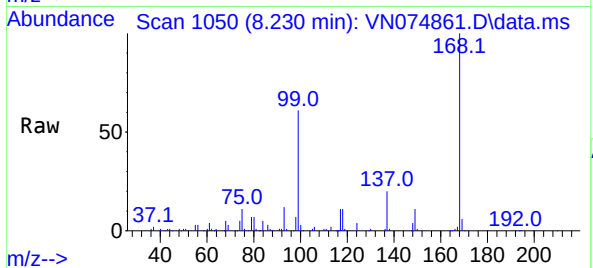




#36
1,1-Dichloropropene
Concen: 3.100 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

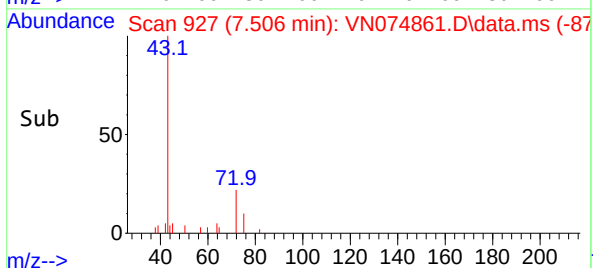
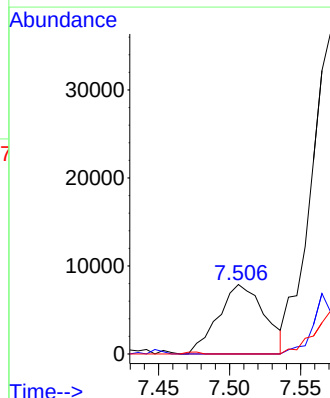
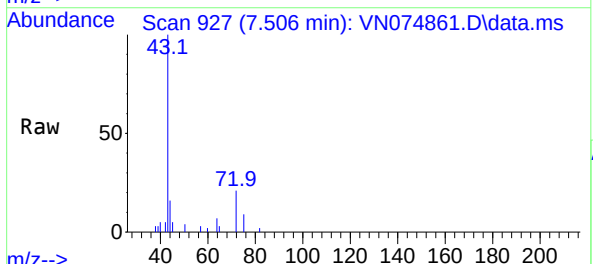
Instrument :
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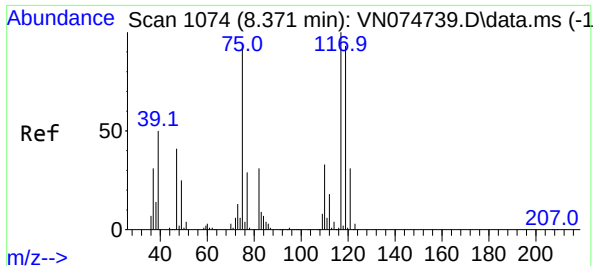
Tgt Ion: 75 Resp: 43675
Ion Ratio Lower Upper
75 100
110 7.3 17.2 51.5#
77 0.2 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.315 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.006 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Tgt Ion: 43 Resp: 17817
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#

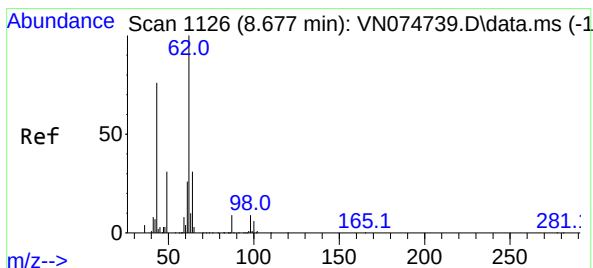
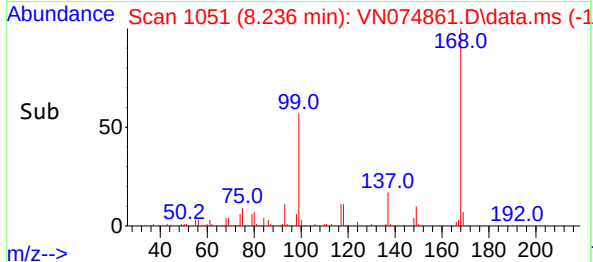
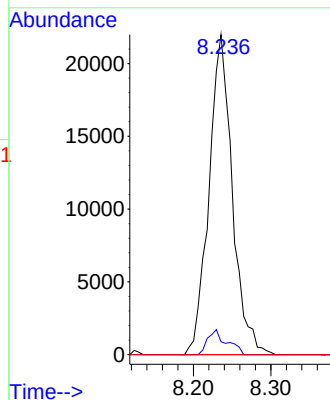
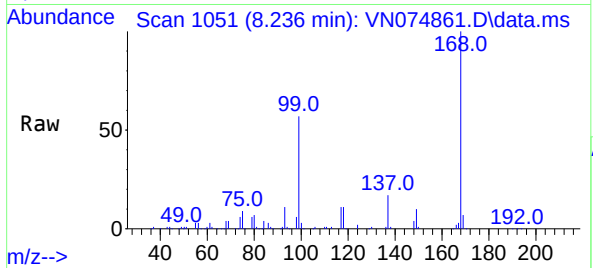




#38
Carbon Tetrachloride
Concen: 3.466 ug/l
RT: 8.236 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

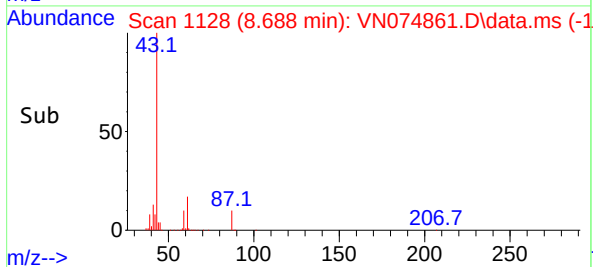
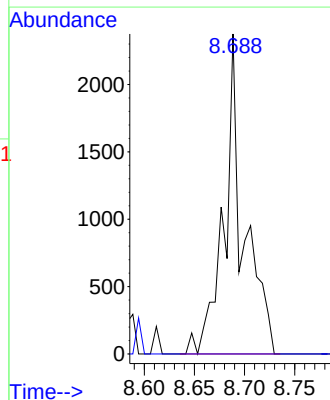
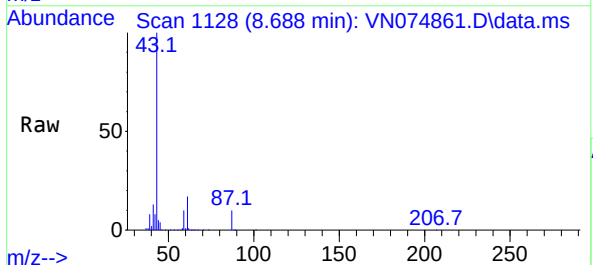
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#10

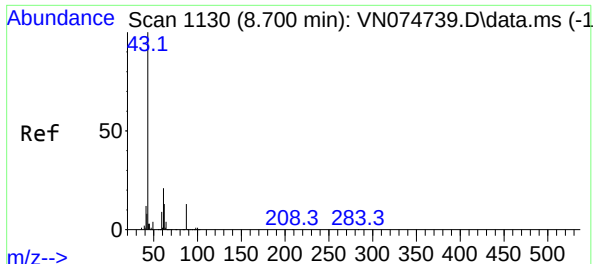
Tgt Ion:117 Resp: 46056
Ion Ratio Lower Upper
117 100
119 4.0 74.3 111.5#
121 0.0 25.0 37.4#



#42
1,2-Dichloroethane
Concen: 0.224 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Tgt Ion: 62 Resp: 3208
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

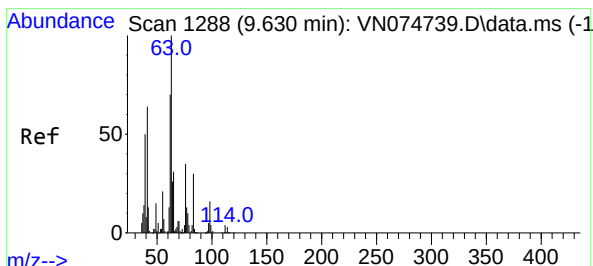
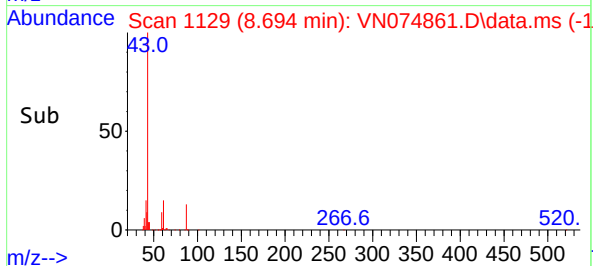
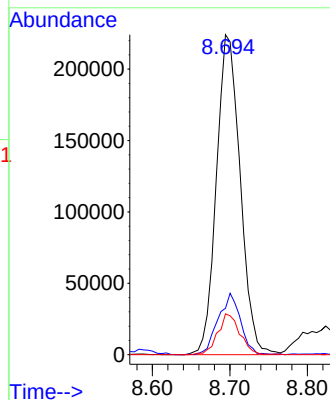
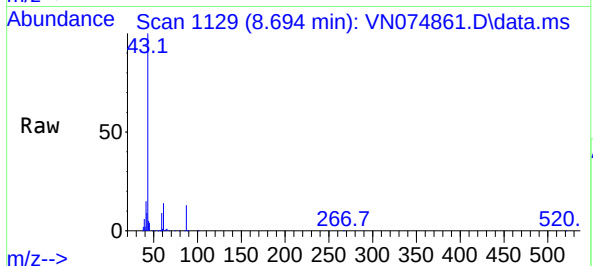




#43
Isopropyl Acetate
Concen: 13.708 ug/l
RT: 8.694 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

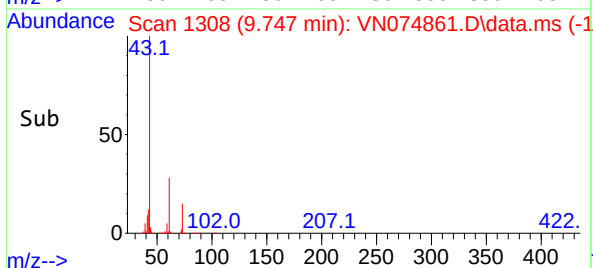
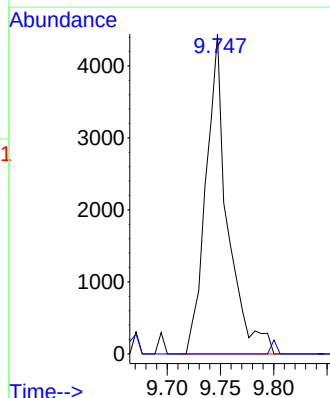
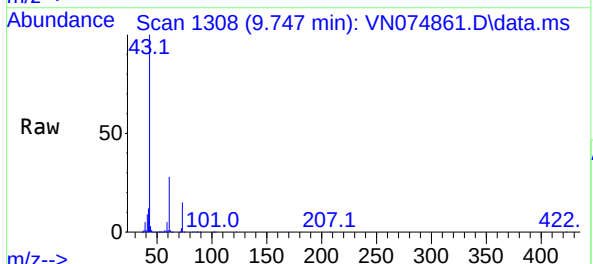
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#10

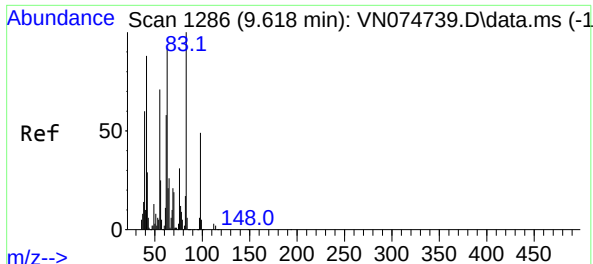
Tgt Ion: 43 Resp: 478772
Ion Ratio Lower Upper
43 100
61 18.1 19.4 29.0#
87 11.9 10.1 15.1



#45
1,2-Dichloropropane
Concen: 0.508 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.118 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Tgt Ion: 63 Resp: 6271
Ion Ratio Lower Upper
63 100
65 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 0.965 ug/l

RT: 9.665 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN074861.D

Acq: 11 Oct 2022 21:03

Instrument :

MSVOA_N

ClientSampleId :

PB148255ZHE#10

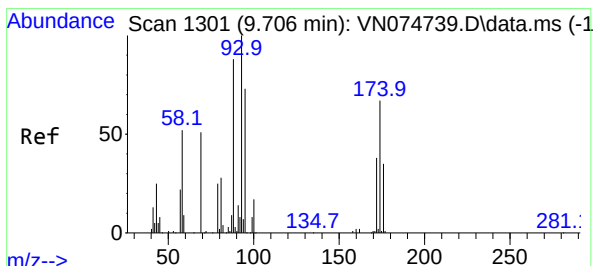
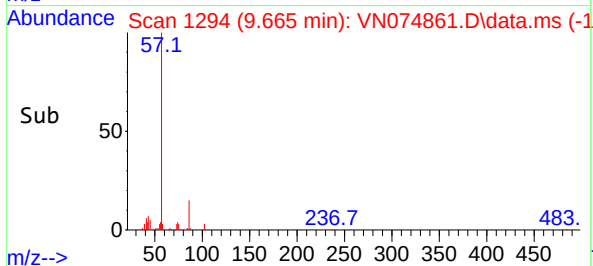
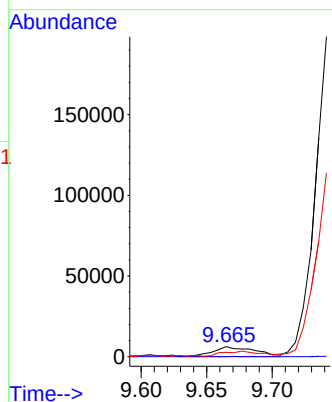
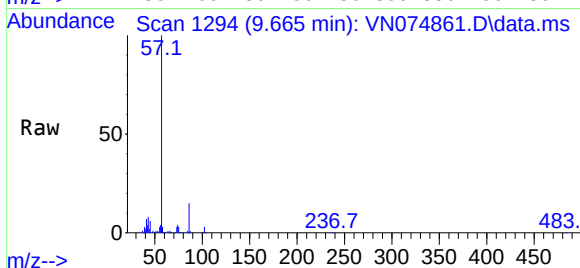
Tgt Ion: 41 Resp: 13835

Ion Ratio Lower Upper

41 100

69 0.4 0.0 0.0#

39 0.0 54.4 81.6#



#49

1,4-Dioxane

Concen: 1.461 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.035 min

Lab File: VN074861.D

Acq: 11 Oct 2022 21:03

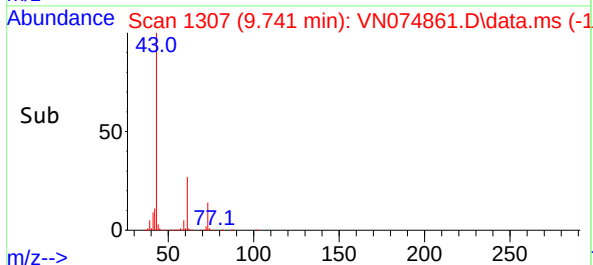
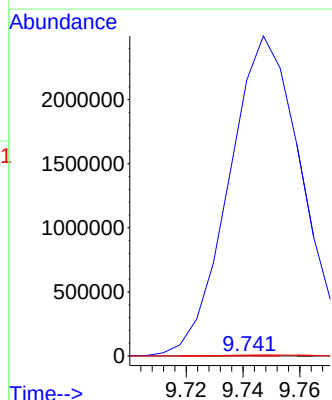
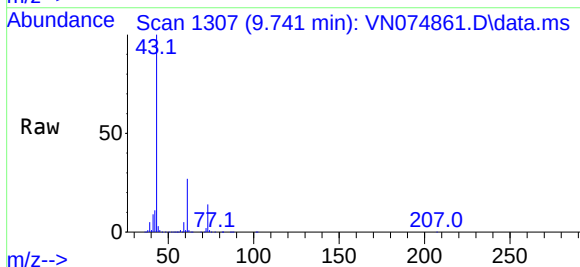
Tgt Ion: 88 Resp: 454

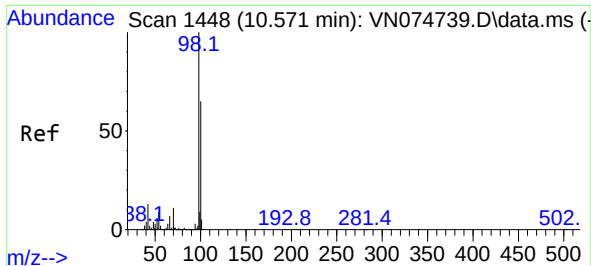
Ion Ratio Lower Upper

88 100

43 1000745.6 23.4 35.2#

58 3662.1 54.9 82.3#

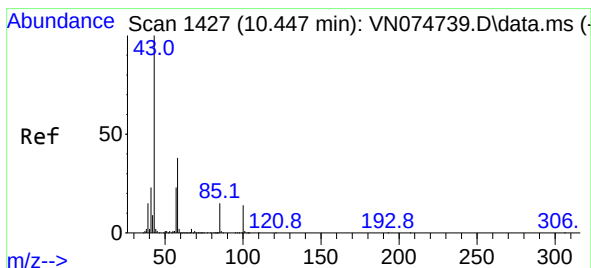
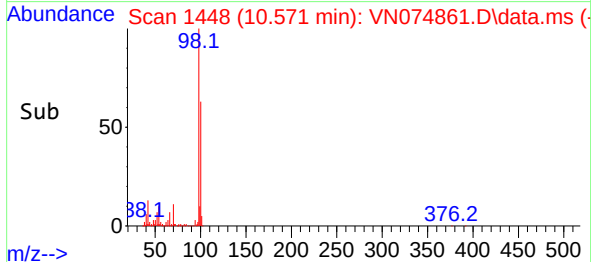
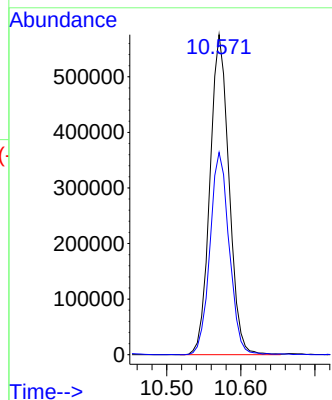
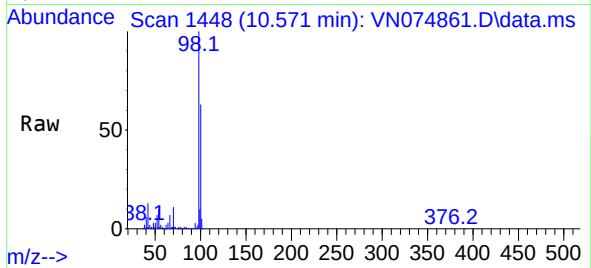




#50
Toluene-d8
Concen: 27.548 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

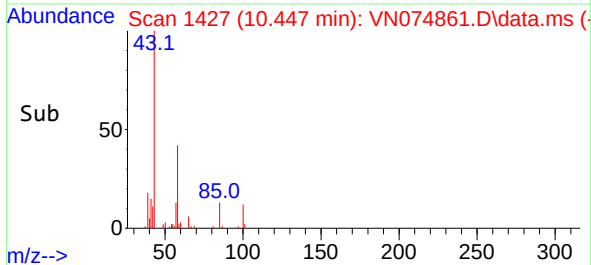
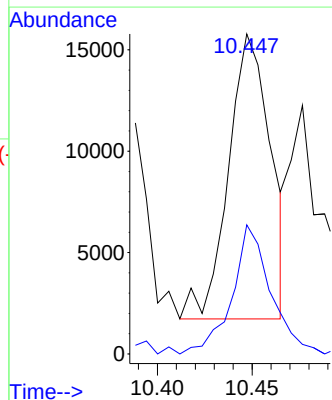
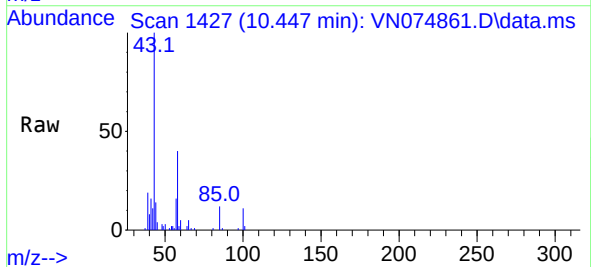
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#10

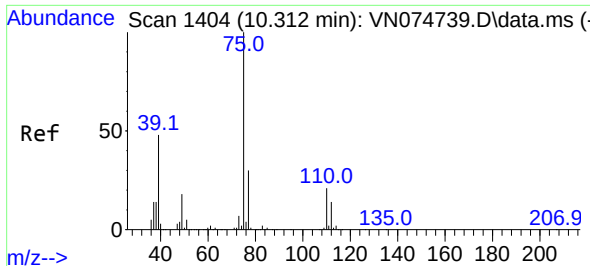
Tgt Ion: 98 Resp: 1029015
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.970 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Tgt Ion: 43 Resp: 21813
Ion Ratio Lower Upper
43 100
58 41.4 30.6 45.8

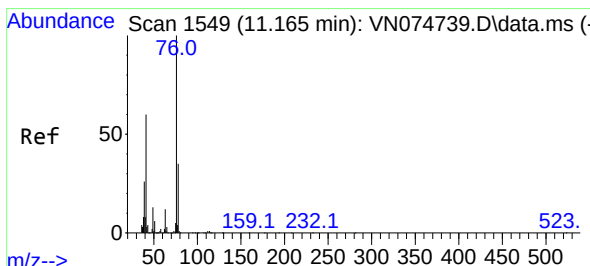
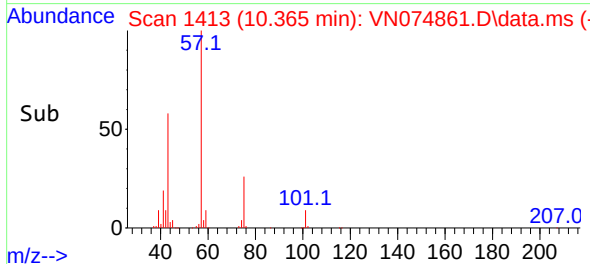
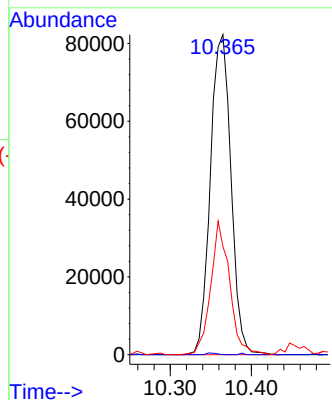
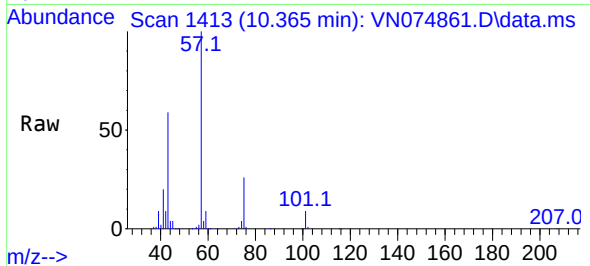




#54
 cis-1,3-Dichloropropene
 Concen: 7.617 ug/l
 RT: 10.365 min Scan# 1404
 Delta R.T. 0.053 min
 Lab File: VN074861.D
 Acq: 11 Oct 2022 21:03

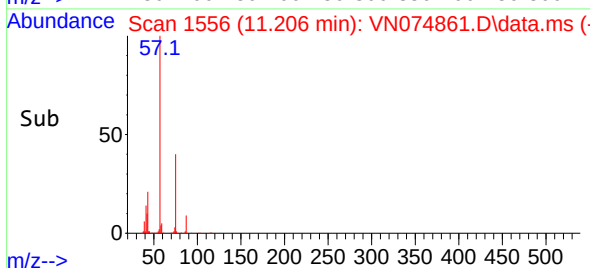
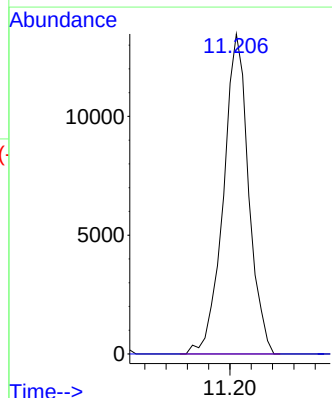
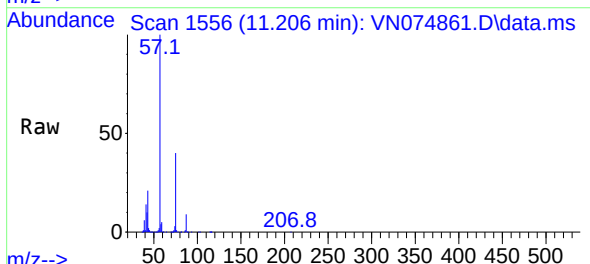
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#10

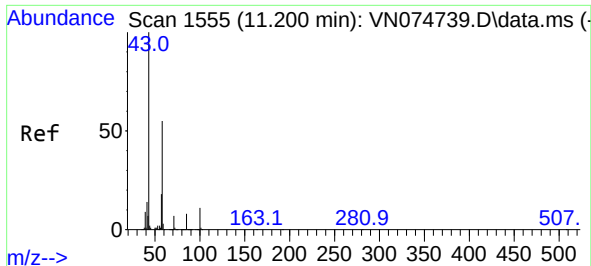
Tgt Ion: 75 Resp: 145097
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.4 36.6#
 39 33.8 38.6 57.8#



#57
 1,3-Dichloropropane
 Concen: 1.115 ug/l
 RT: 11.206 min Scan# 1556
 Delta R.T. 0.041 min
 Lab File: VN074861.D
 Acq: 11 Oct 2022 21:03

Tgt Ion: 76 Resp: 22135
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

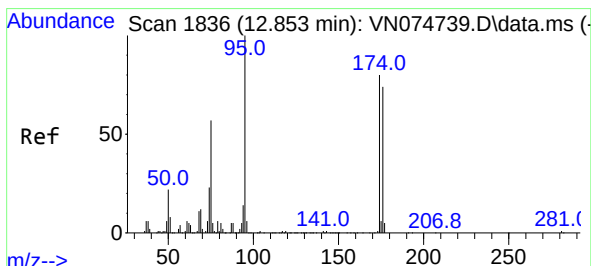
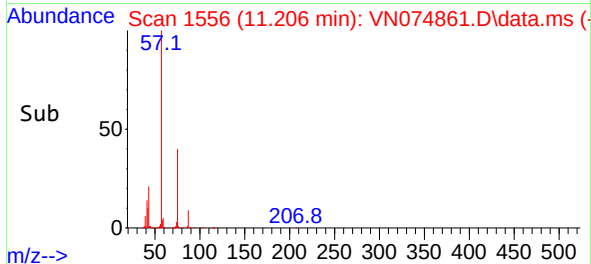
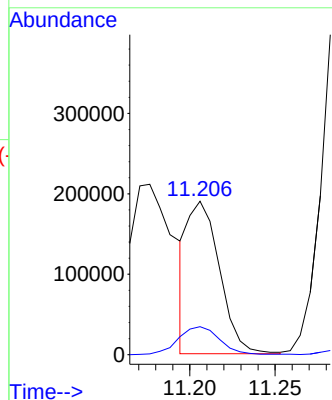
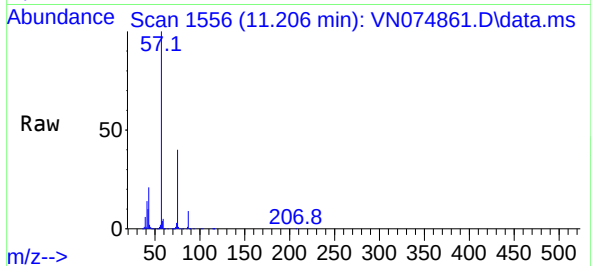




#59
2-Hexanone
Concen: 14.579 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

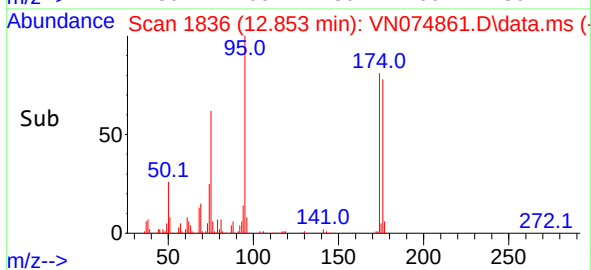
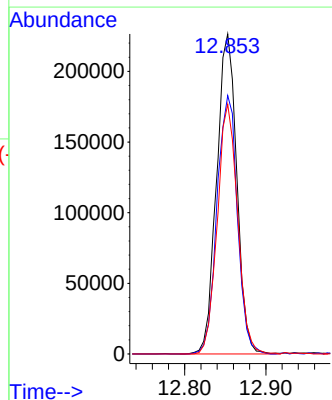
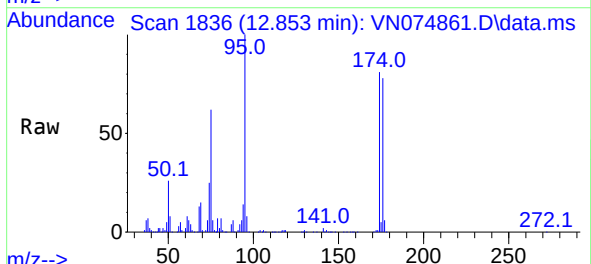
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#10

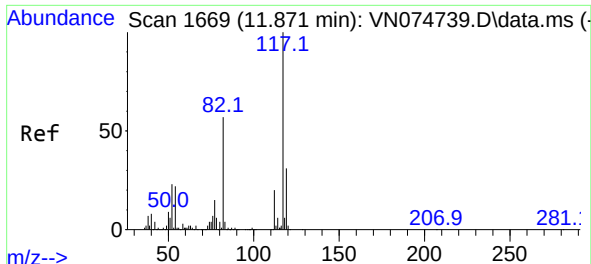
Tgt Ion: 43 Resp: 248023
Ion Ratio Lower Upper
43 100
58 23.9 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 34.444 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Tgt Ion: 95 Resp: 391117
Ion Ratio Lower Upper
95 100
174 81.6 0.0 149.4
176 78.4 0.0 142.0

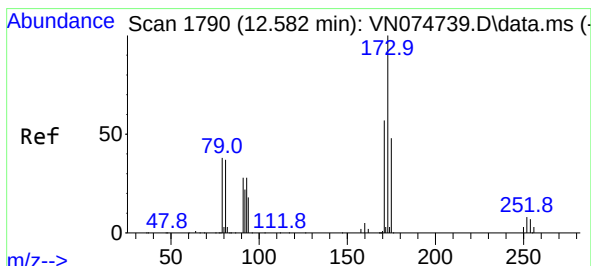
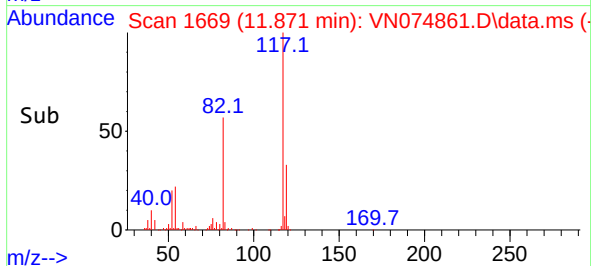
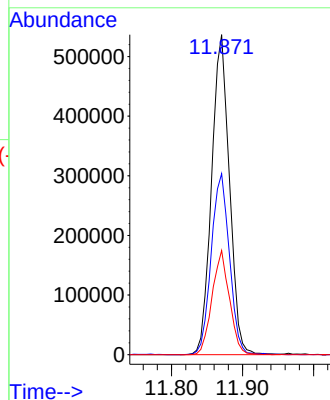
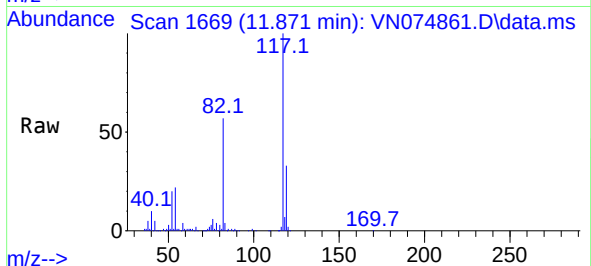




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

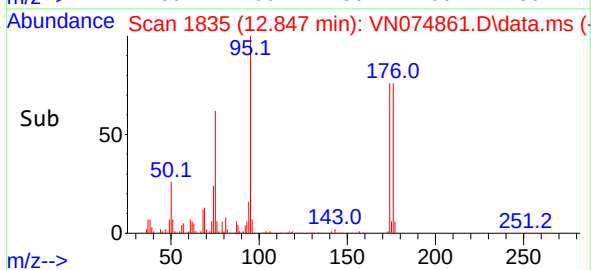
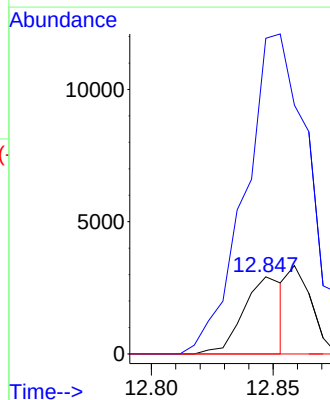
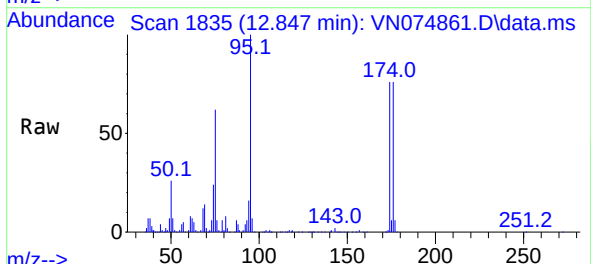
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#10

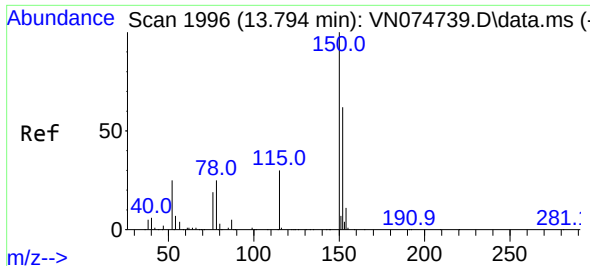
Tgt Ion:117 Resp: 934653
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.2
119 32.5 25.1 37.7



#71
Bromoform
Concen: 0.417 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Tgt Ion:173 Resp: 3326
Ion Ratio Lower Upper
173 100
175 520.8 23.9 71.7#
254 0.0 0.1 0.1#

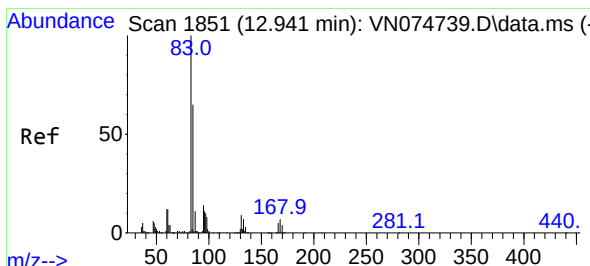
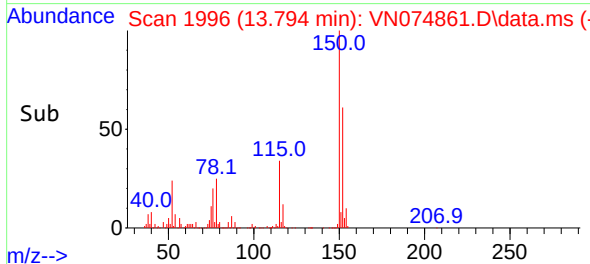
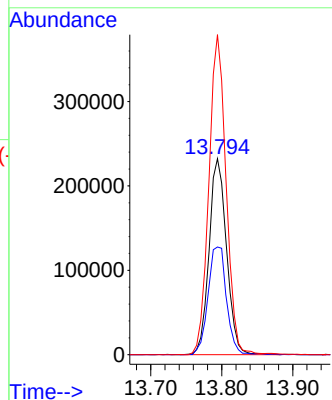
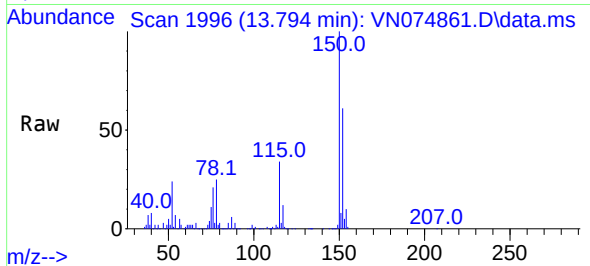




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074861.D
 Acq: 11 Oct 2022 21:03

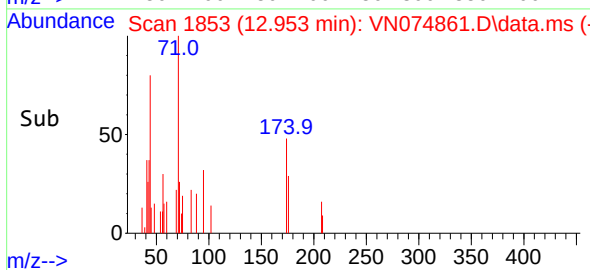
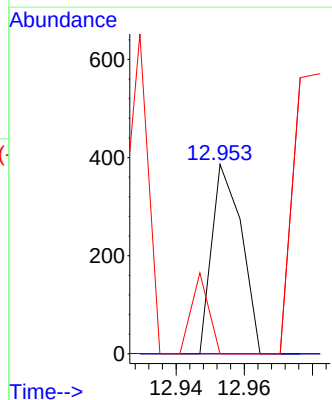
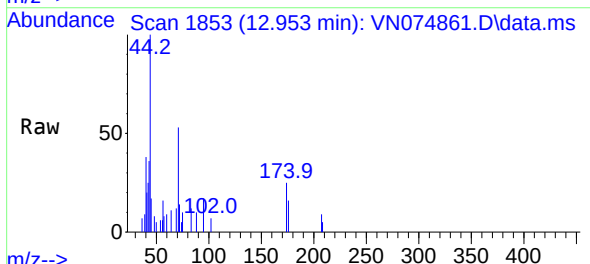
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#10

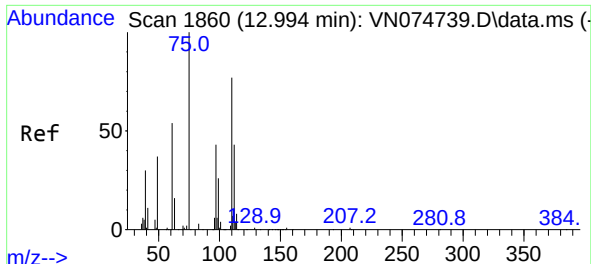
Tgt Ion:152 Resp: 398026
 Ion Ratio Lower Upper
 152 100
 115 58.0 30.0 90.0
 150 160.9 0.0 356.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.953 min Scan# 1853
 Delta R.T. 0.012 min
 Lab File: VN074861.D
 Acq: 11 Oct 2022 21:03

Tgt Ion: 83 Resp: 233
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.3 12.8#
 85 24.9 32.9 98.6#

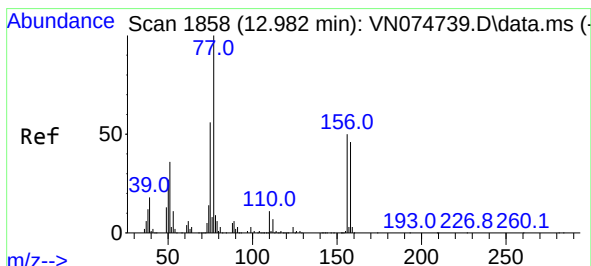
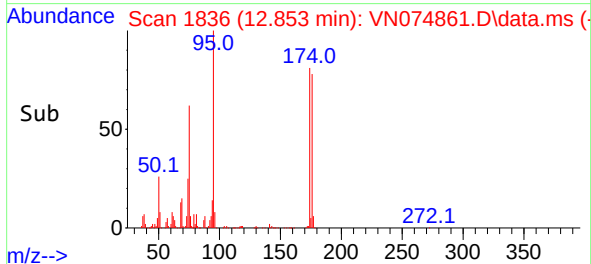
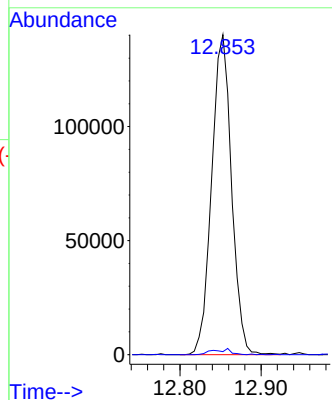
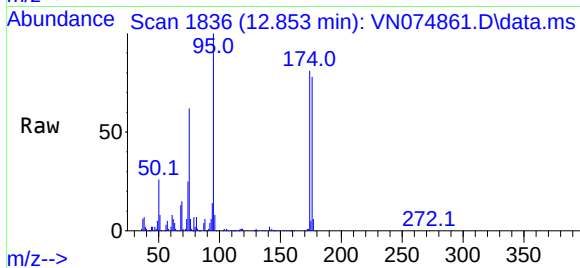




#76
1,2,3-Trichloropropane
Concen: 20.108 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

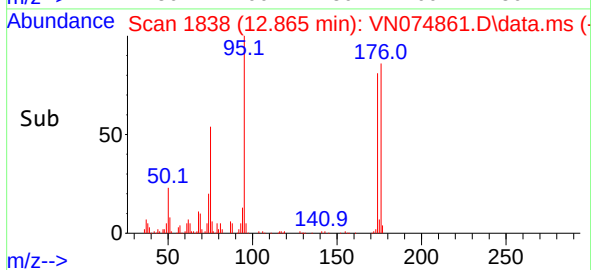
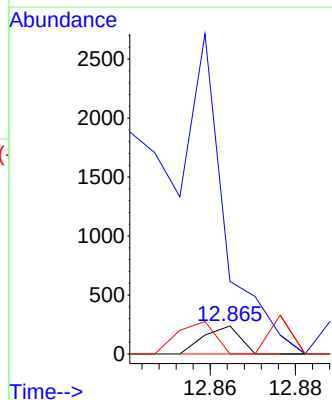
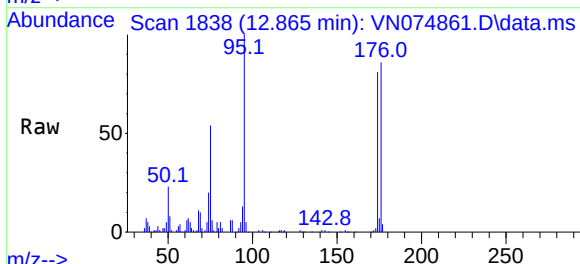
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#10

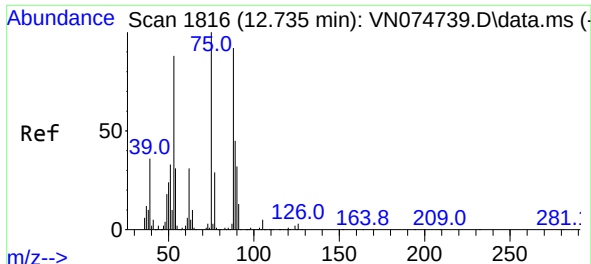
Tgt Ion: 75 Resp: 238878
Ion Ratio Lower Upper
75 100
77 1.6 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.865 min Scan# 1838
Delta R.T. -0.117 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Tgt Ion:156 Resp: 140
Ion Ratio Lower Upper
156 100
77 2812.1 124.7 374.1#
158 120.0 48.3 144.9

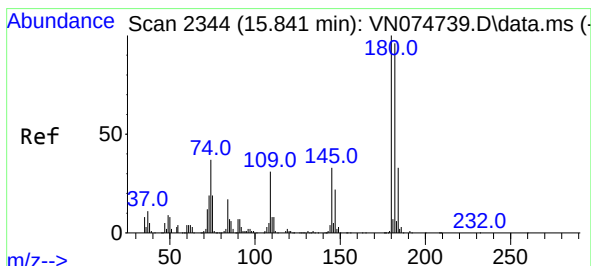
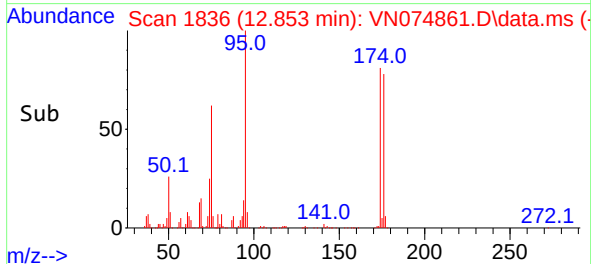
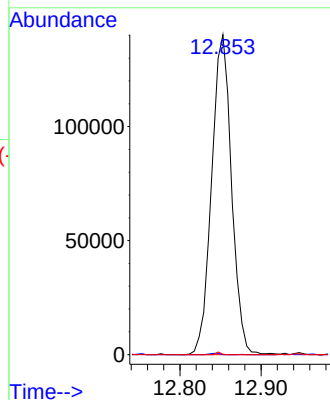
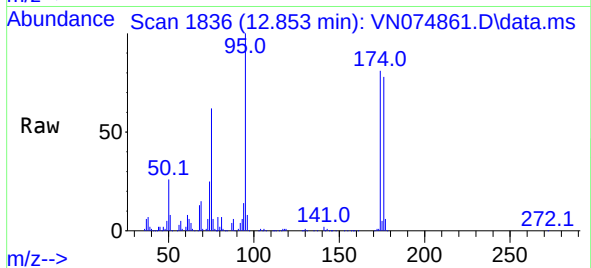




#81
trans-1,4-Dichloro-2-butene
Concen: 39.177 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#10

Tgt Ion: 75 Resp: 238878
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.2 32.1 48.1#



#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 15.859 min Scan# 2347
Delta R.T. 0.018 min
Lab File: VN074861.D
Acq: 11 Oct 2022 21:03

Tgt Ion:180 Resp: 292
Ion Ratio Lower Upper
180 100
182 34.6 47.3 142.0#
145 27.1 17.1 51.2

