

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101122\
 Data File : VN074855.D
 Acq On : 11 Oct 2022 18:38
 Operator : JC\MD
 Sample : PB148255ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#04

Quant Time: Oct 12 03:56:57 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)

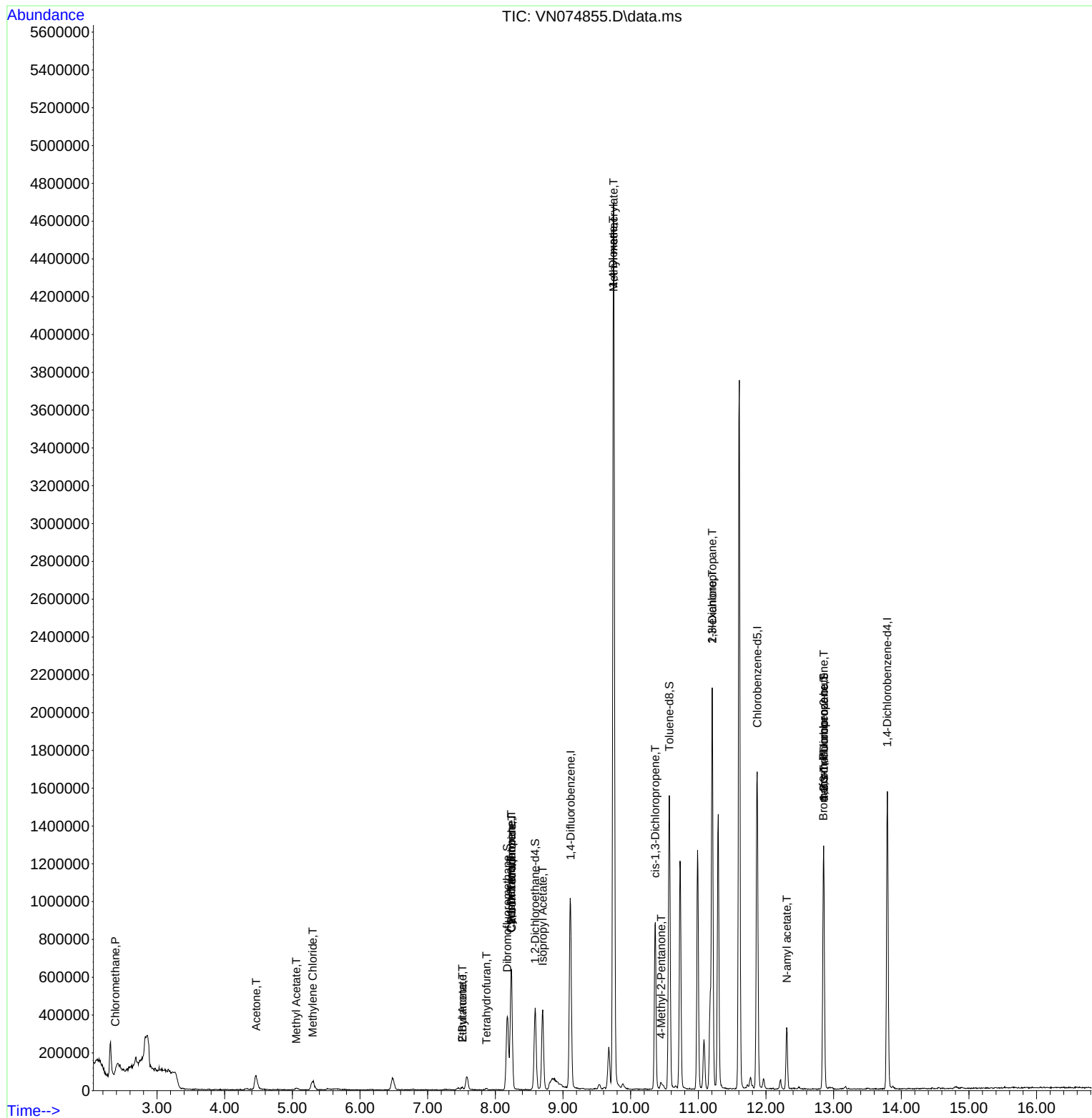
Internal Standards						
1) Pentafluorobenzene	8.236	168	438964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	880330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	932440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	408860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	319322	30.701	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	61.400%#		
35) Dibromofluoromethane	8.177	113	281321	31.629	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	63.260%#		
50) Toluene-d8	10.571	98	1058040	27.723	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	55.440%#		
62) 4-Bromofluorobenzene	12.853	95	398512	34.350	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	68.700%#		
Target Compounds						Qvalue
3) Chloromethane	2.383	50	3011	0.225	ug/l #	41
13) Acrolein	4.189	56	349	Below Cal	#	15
16) Acetone	4.465	43	144463	24.509	ug/l	90
18) Methyl Acetate	5.059	43	20867	0.956	ug/l #	82
20) Methylene Chloride	5.300	84	34418	1.517	ug/l #	92
25) 2-Butanone	7.512	43	18542	1.733	ug/l #	82
29) Tetrahydrofuran	7.871	42	4907	0.658	ug/l #	62
31) Cyclohexane	8.230	56	14435	0.803	ug/l #	18
36) 1,1-Dichloropropene	8.236	75	40957	2.845	ug/l #	50
37) Ethyl Acetate	7.512	43	18542	0.321	ug/l #	86
38) Carbon Tetrachloride	8.241	117	45548	3.355	ug/l #	17
43) Isopropyl Acetate	8.700	43	483615	13.552	ug/l #	89
48) Methyl methacrylate	9.747	41	423767	28.925	ug/l #	83
49) 1,4-Dioxane	9.741	88	434	1.367	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	42881	1.866	ug/l #	71
54) cis-1,3-Dichloropropene	10.365	75	149535	7.684	ug/l #	65
57) 1,3-Dichloropropane	11.206	76	19306	0.951	ug/l #	42
59) 2-Hexanone	11.206	43	261686	15.055	ug/l #	57
71) Bromoform	12.847	173	4722	0.593	ug/l #	1
74) N-amyl acetate	12.306	43	107942	4.538	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.935	83	283	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	229942	18.843	ug/l #	1
77) Bromobenzene	12.835	156	199	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	229942	36.712	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.841	180	770	Below Cal	#	47

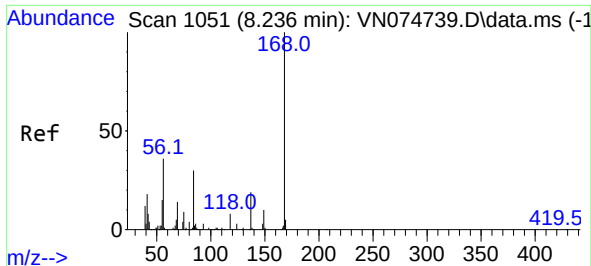
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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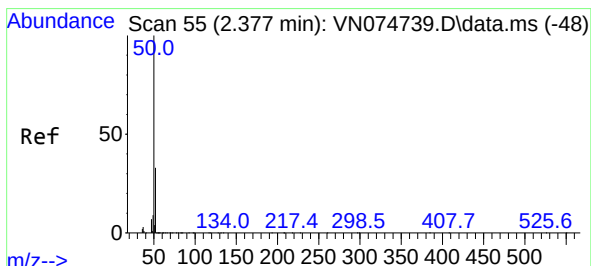
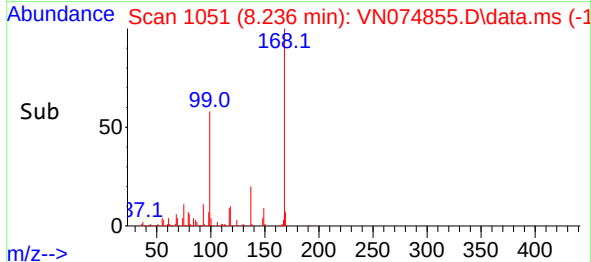
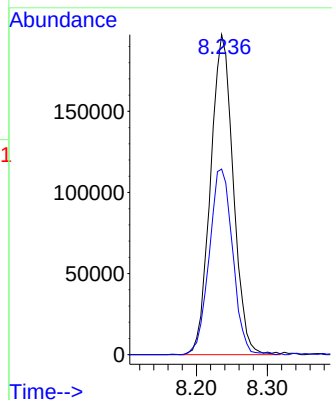
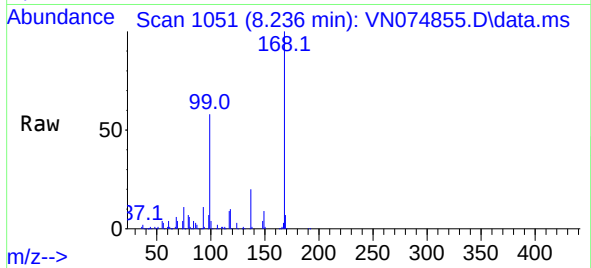




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

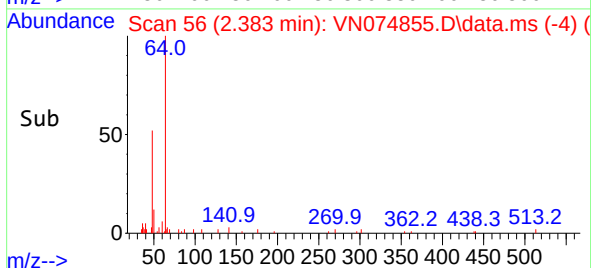
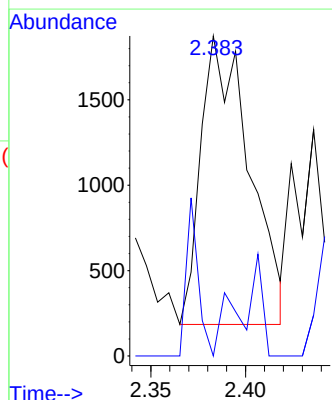
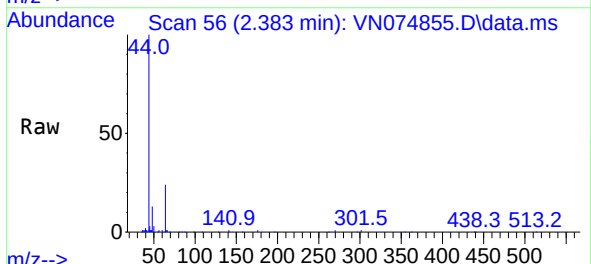
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#04

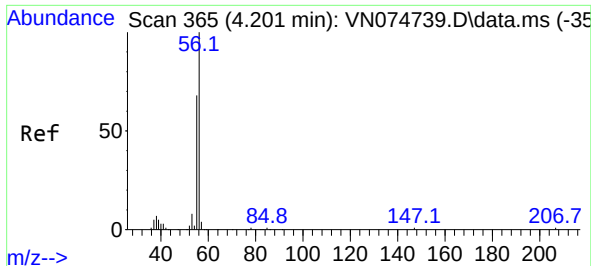
Tgt Ion:168 Resp: 438964
Ion Ratio Lower Upper
168 100
99 58.0 42.8 64.2



#3
Chloromethane
Concen: 0.225 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

Tgt Ion: 50 Resp: 3011
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

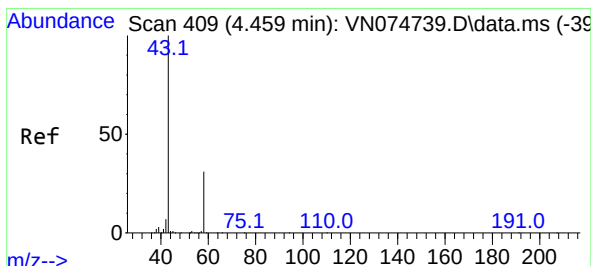
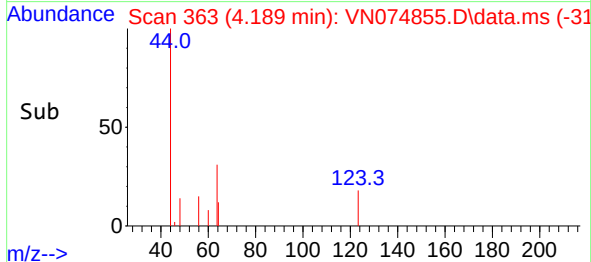
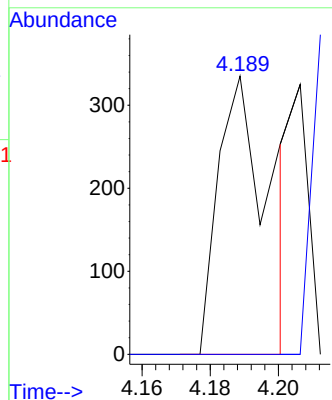
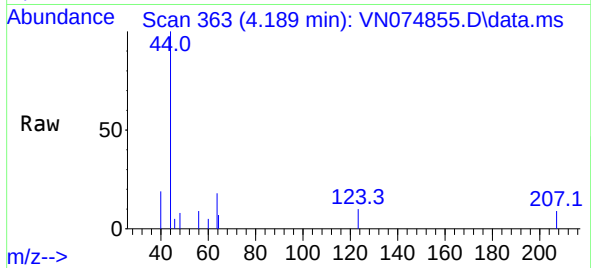




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 309
Delta R.T. -0.012 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

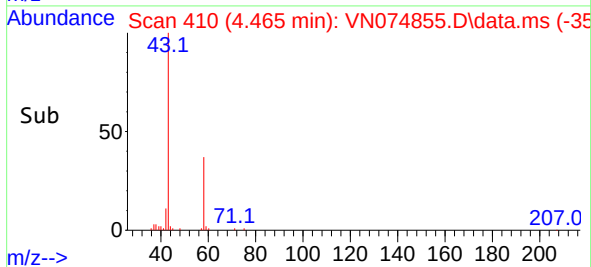
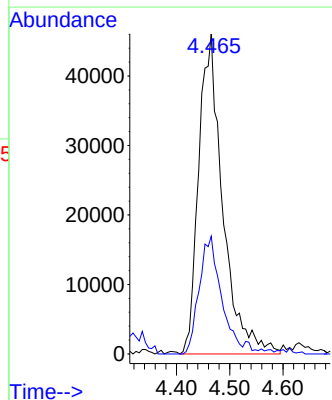
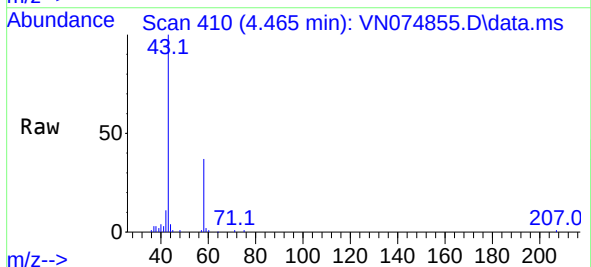
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#04

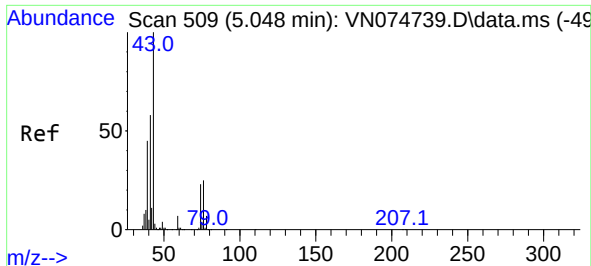
Tgt Ion: 56 Resp: 349
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 24.509 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

Tgt Ion: 43 Resp: 144463
Ion Ratio Lower Upper
43 100
58 36.8 24.9 37.3

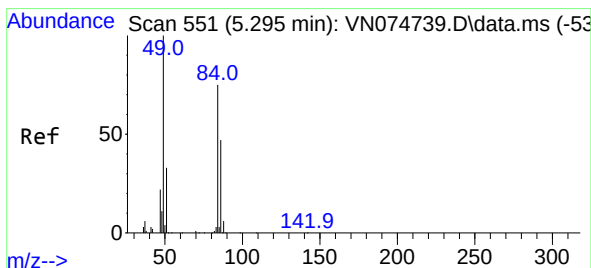
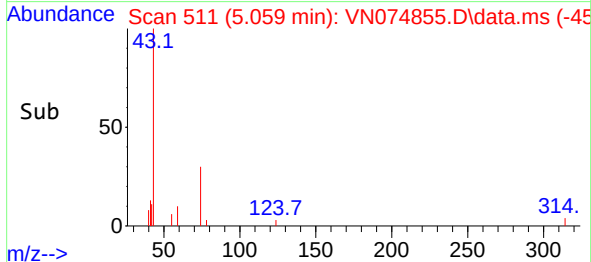
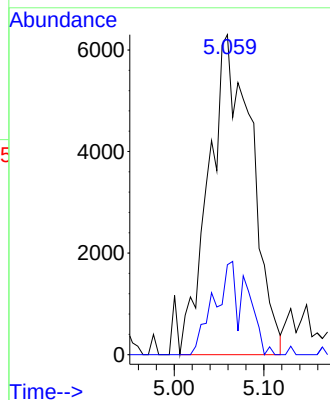
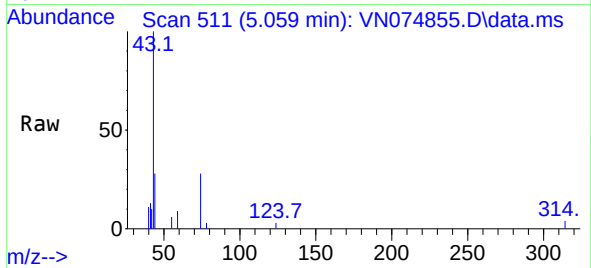




#18
Methyl Acetate
Concen: 0.956 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

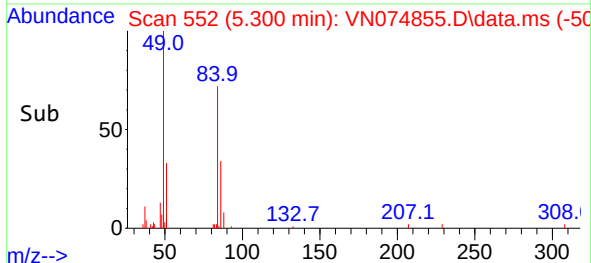
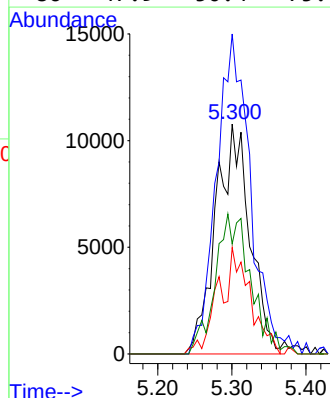
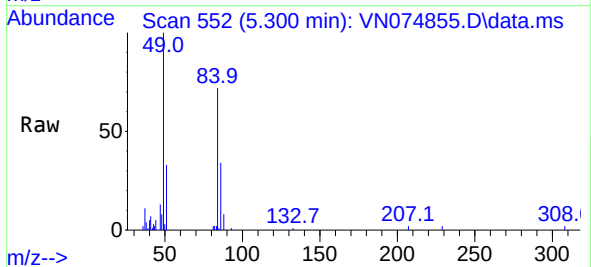
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#04

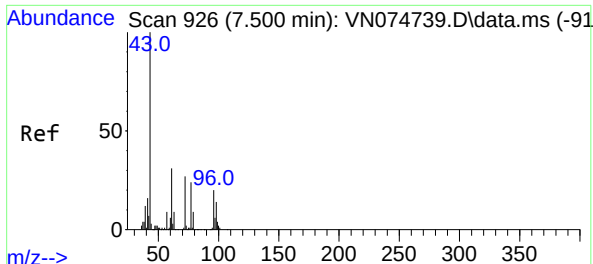
Tgt Ion: 43 Resp: 20867
Ion Ratio Lower Upper
43 100
74 14.5 18.5 27.7#



#20
Methylene Chloride
Concen: 1.517 ug/l
RT: 5.300 min Scan# 552
Delta R.T. 0.005 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

Tgt Ion: 84 Resp: 34418
Ion Ratio Lower Upper
84 100
49 139.1 107.4 161.0
51 46.2 35.1 52.7
86 47.9 50.4 75.6#

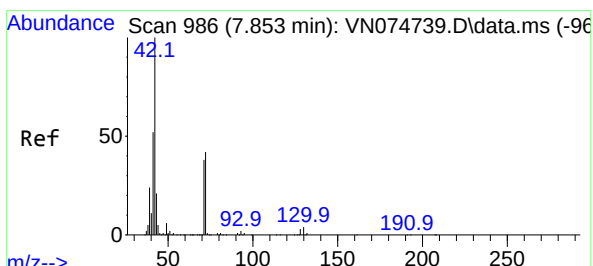
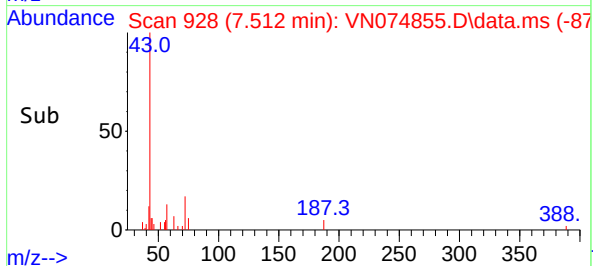
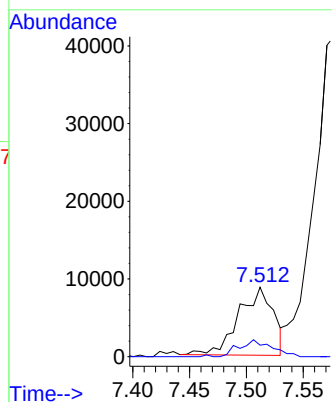
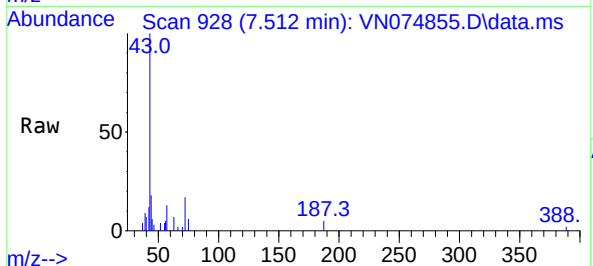




#25
2-Butanone
Concen: 1.733 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

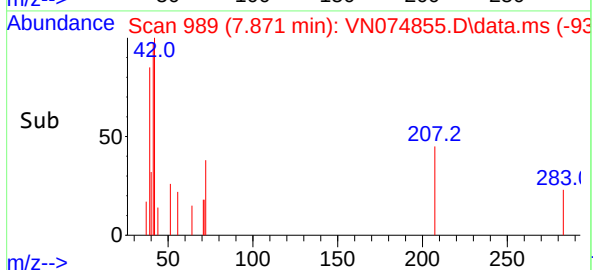
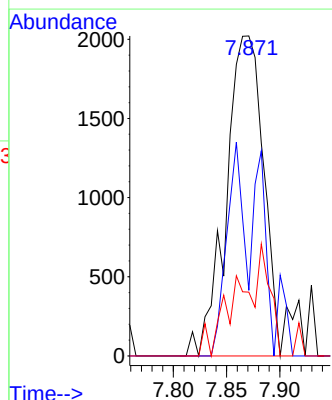
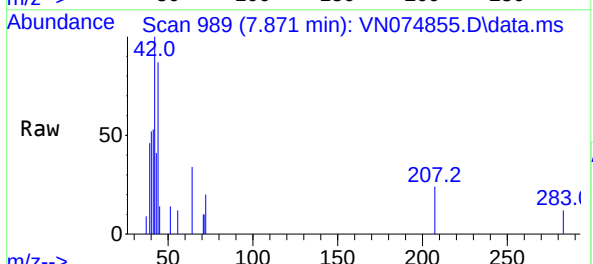
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#04

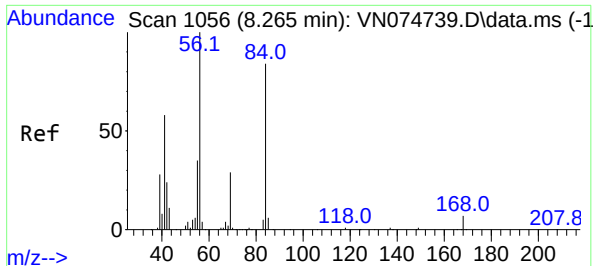
Tgt Ion: 43 Resp: 18542
Ion Ratio Lower Upper
43 100
72 17.2 21.4 32.0#



#29
Tetrahydrofuran
Concen: 0.658 ug/l
RT: 7.871 min Scan# 989
Delta R.T. 0.018 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

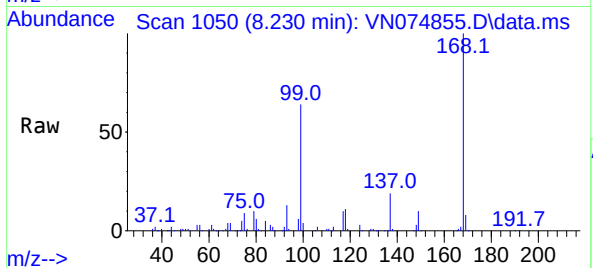
Tgt Ion: 42 Resp: 4907
Ion Ratio Lower Upper
42 100
72 21.1 33.0 49.6#
71 11.0 30.4 45.6#



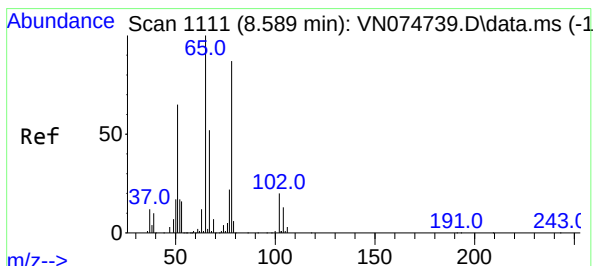
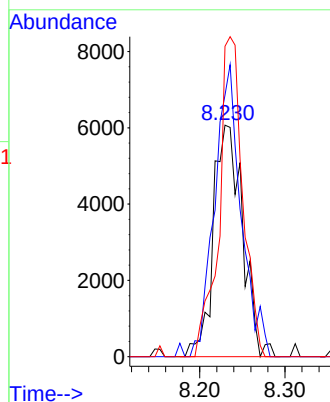
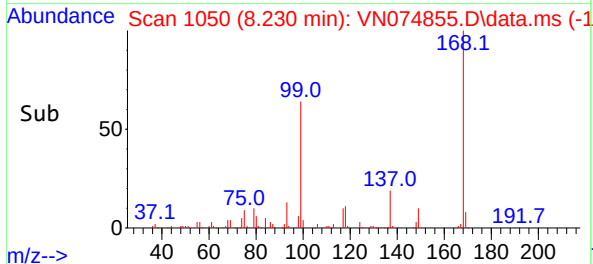


#31
Cyclohexane
Concen: 0.803 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.035 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

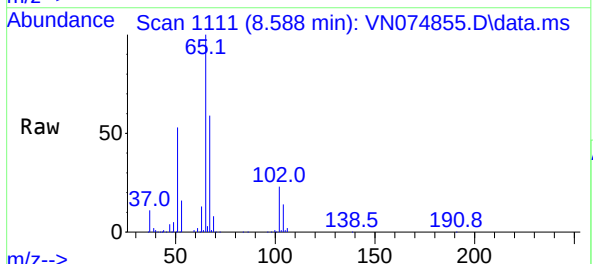
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#04



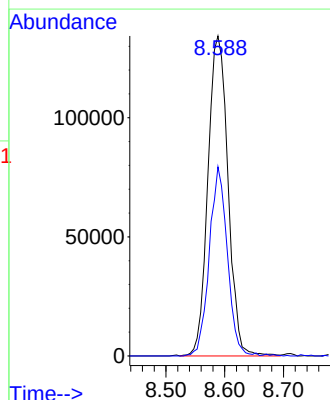
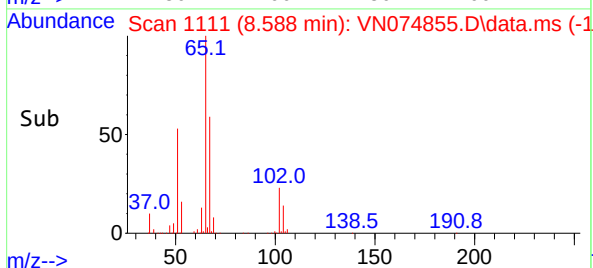
Tgt Ion: 56 Resp: 14435
Ion Ratio Lower Upper
56 100
69 113.0 23.1 34.7#
84 134.1 67.1 100.7#

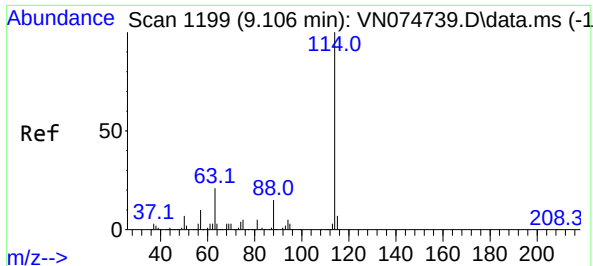


#33
1,2-Dichloroethane-d4
Concen: 30.701 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38



Tgt Ion: 65 Resp: 319322
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN074855.D

Acq: 11 Oct 2022 18:38

Instrument :

MSVOA_N

ClientSampleId :

PB148255ZHE#04

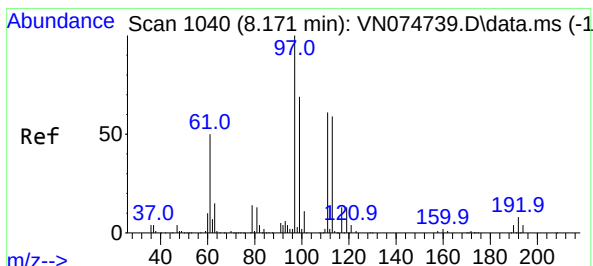
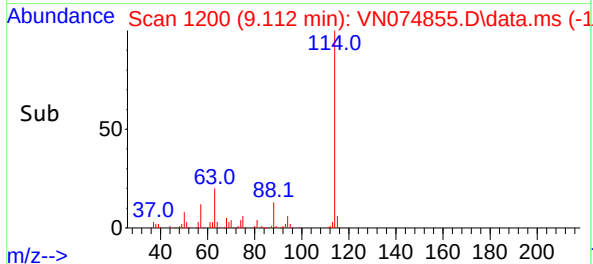
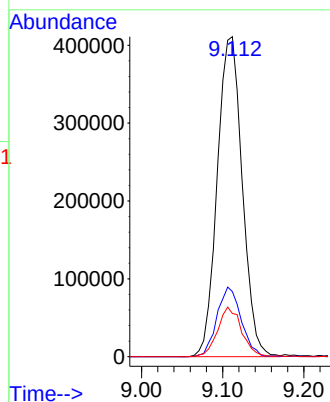
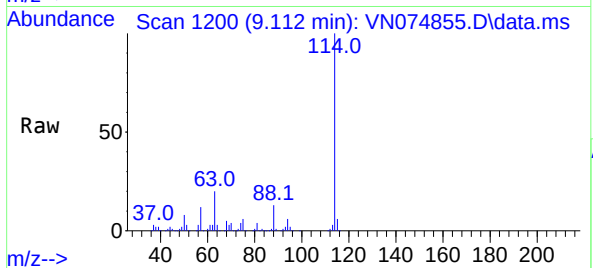
Tgt Ion:114 Resp: 880330

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.2

88 13.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 31.629 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN074855.D

Acq: 11 Oct 2022 18:38

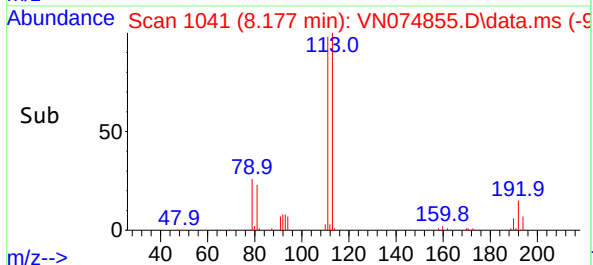
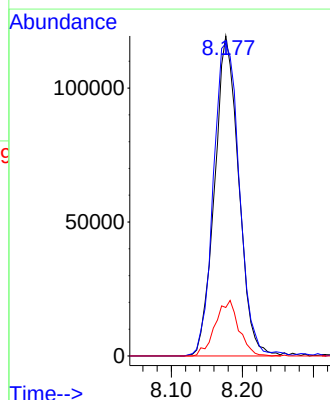
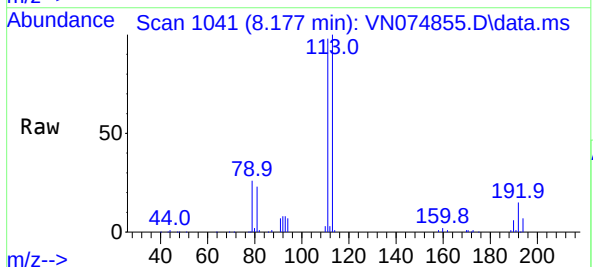
Tgt Ion:113 Resp: 281321

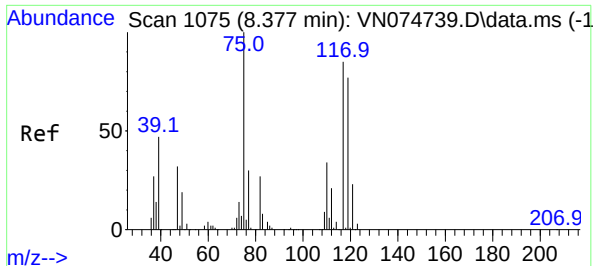
Ion Ratio Lower Upper

113 100

111 105.3 83.0 124.6

192 17.0 12.6 18.8

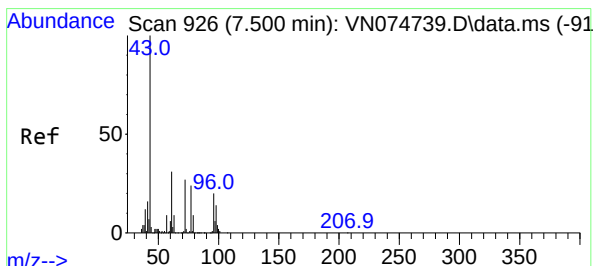
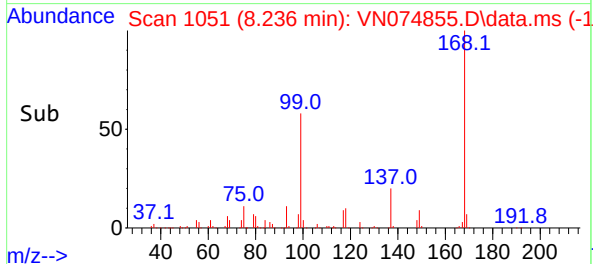
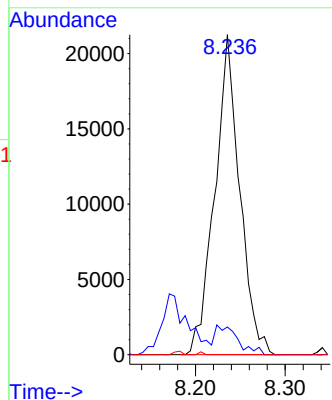
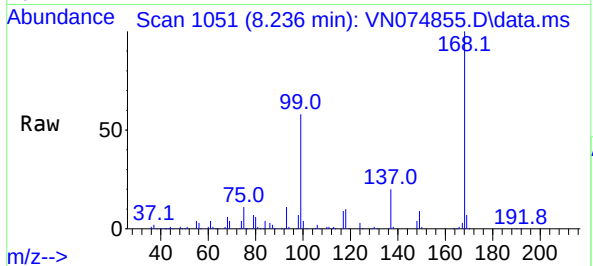




#36
1,1-Dichloropropene
Concen: 2.845 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

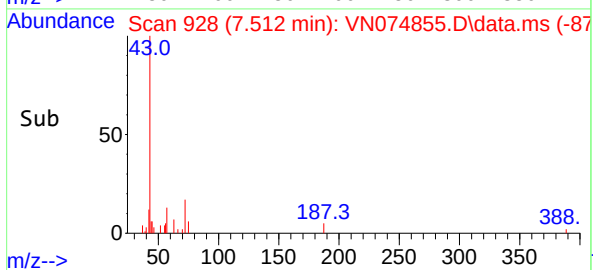
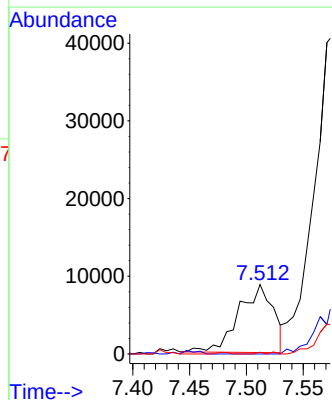
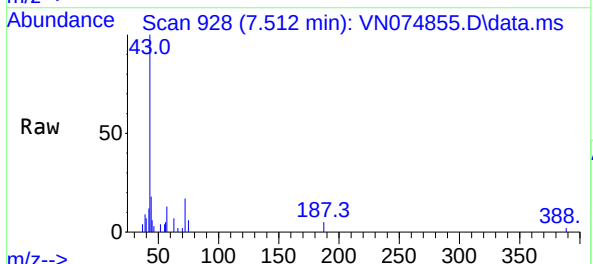
Instrument :
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PB148255ZHE#04

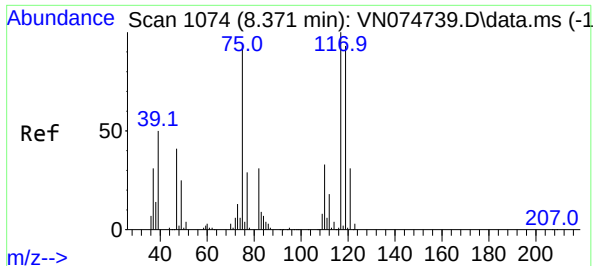
Tgt Ion: 75 Resp: 40957
Ion Ratio Lower Upper
75 100
110 8.3 17.2 51.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.321 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.012 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

Tgt Ion: 43 Resp: 18542
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#

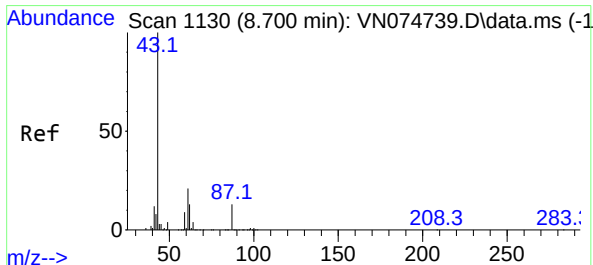
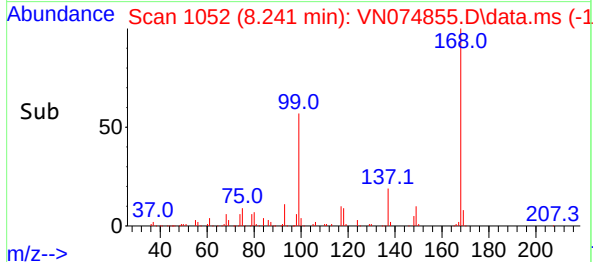
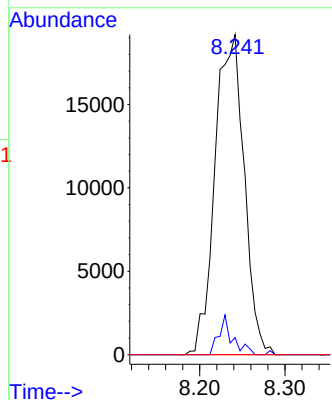
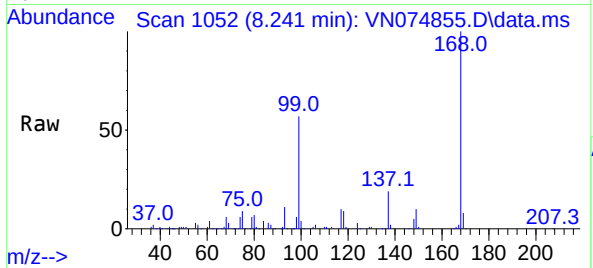




#38
Carbon Tetrachloride
Concen: 3.355 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.129 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

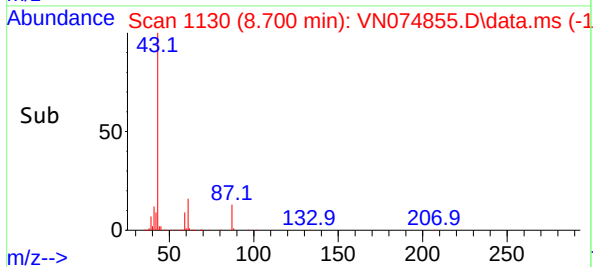
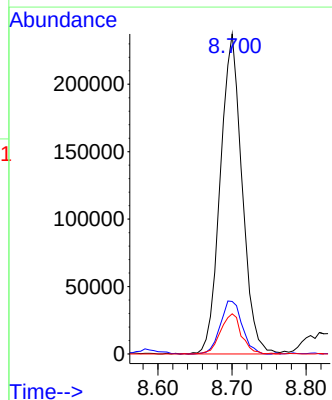
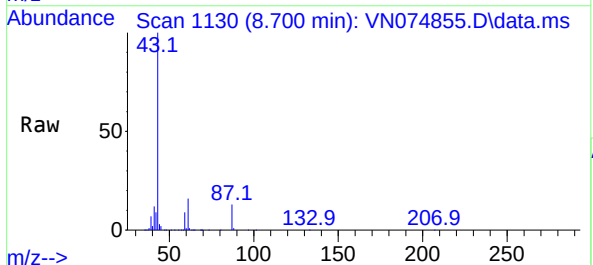
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#04

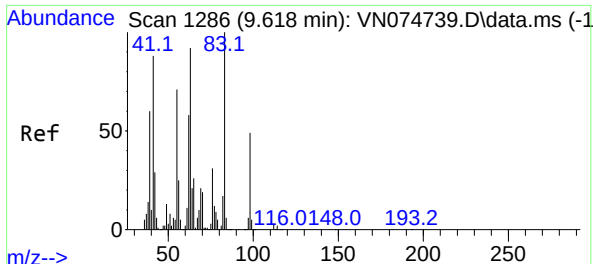
Tgt Ion:117 Resp: 45548
Ion Ratio Lower Upper
117 100
119 5.4 74.3 111.5#
121 0.0 25.0 37.4#



#43
Isopropyl Acetate
Concen: 13.552 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

Tgt Ion: 43 Resp: 483615
Ion Ratio Lower Upper
43 100
61 16.6 19.4 29.0#
87 12.1 10.1 15.1





#48

Methyl methacrylate

Concen: 28.925 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN074855.D

Acq: 11 Oct 2022 18:38

Instrument :

MSVOA_N

ClientSampleId :

PB148255ZHE#04

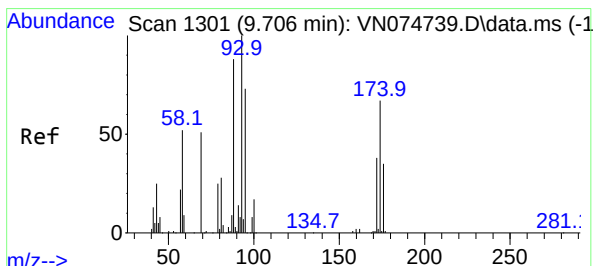
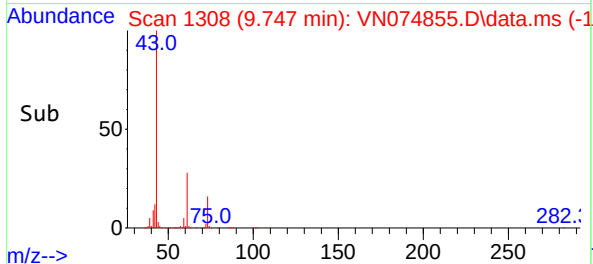
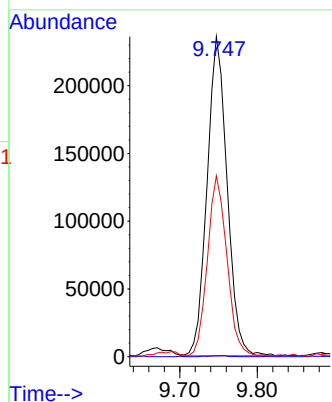
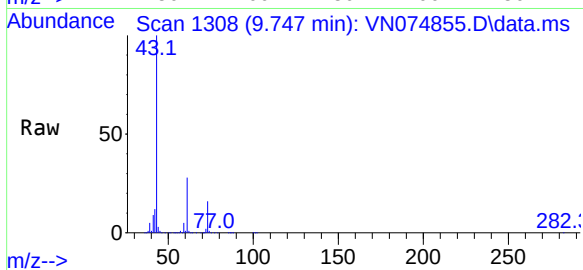
Tgt Ion: 41 Resp: 423767

Ion Ratio Lower Upper

41 100

69 0.3 0.0 0.0#

39 54.6 54.4 81.6



#49

1,4-Dioxane

Concen: 1.367 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.035 min

Lab File: VN074855.D

Acq: 11 Oct 2022 18:38

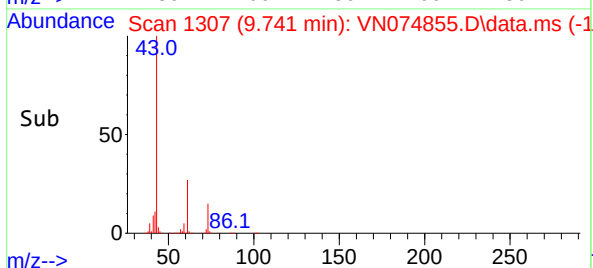
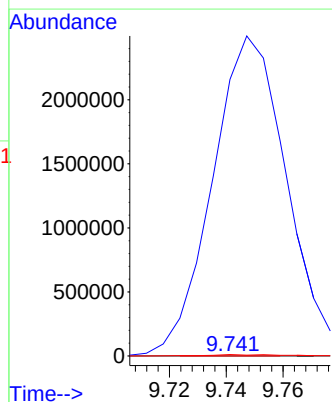
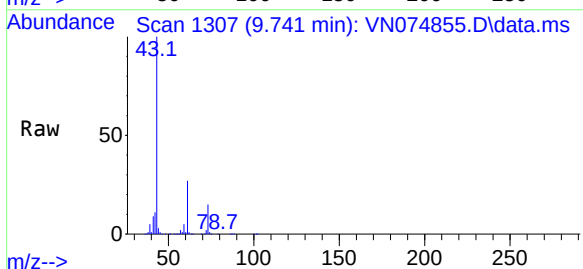
Tgt Ion: 88 Resp: 434

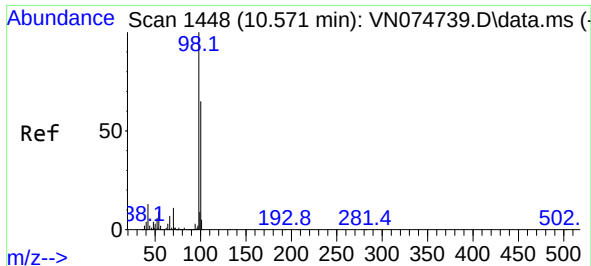
Ion Ratio Lower Upper

88 100

43 1054423.3 23.4 35.2#

58 4494.2 54.9 82.3#

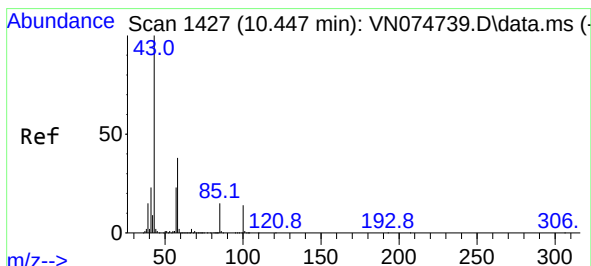
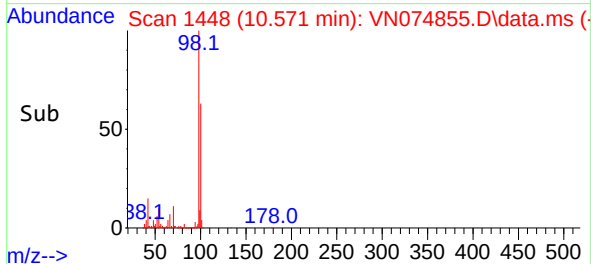
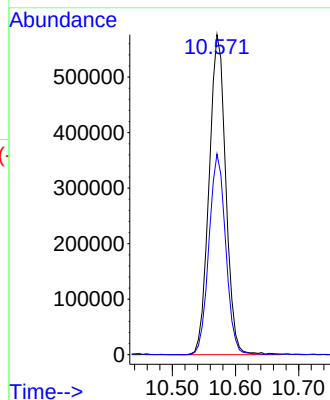
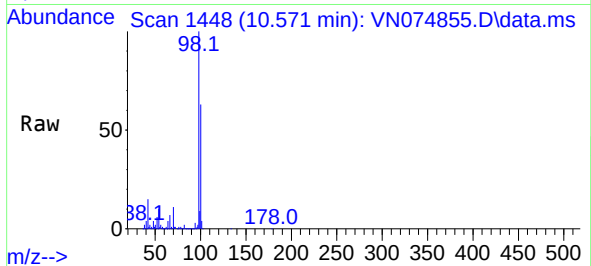




#50
Toluene-d8
Concen: 27.723 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

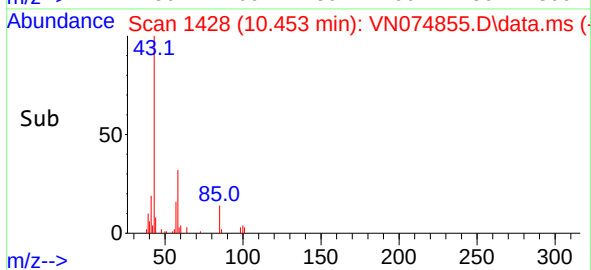
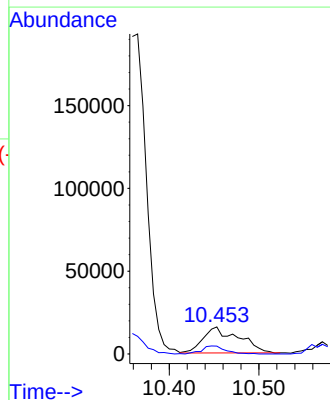
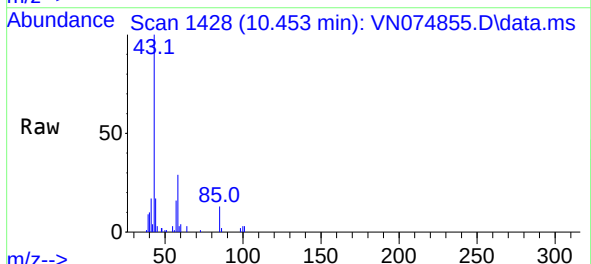
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#04

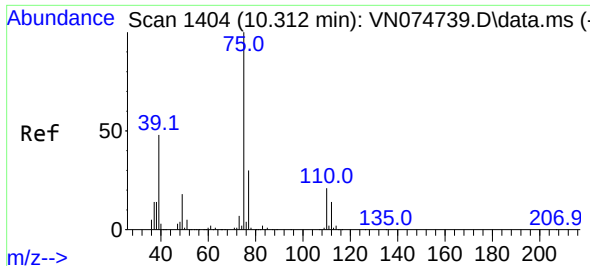
Tgt Ion: 98 Resp: 1058040
Ion Ratio Lower Upper
98 100
100 62.9 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 1.866 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

Tgt Ion: 43 Resp: 42881
Ion Ratio Lower Upper
43 100
58 20.8 30.6 45.8#

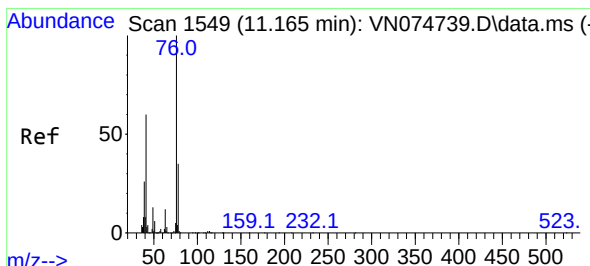
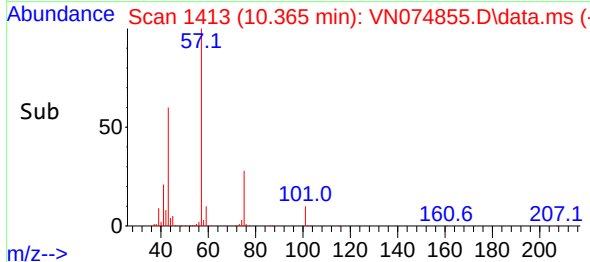
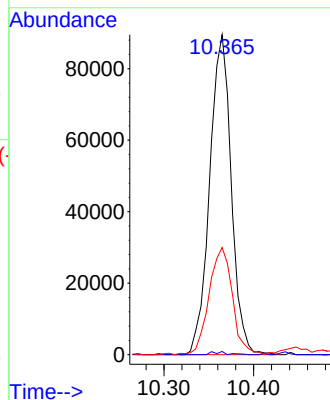
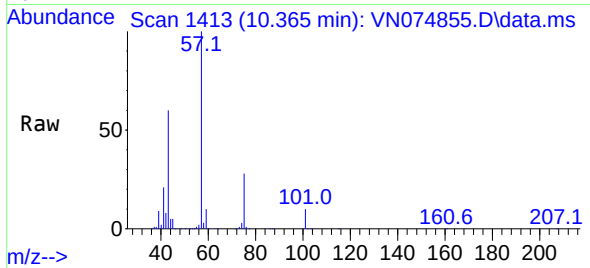




#54
cis-1,3-Dichloropropene
Concen: 7.684 ug/l
RT: 10.365 min Scan# 1404
Delta R.T. 0.053 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

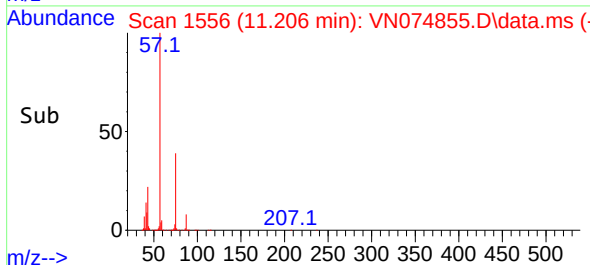
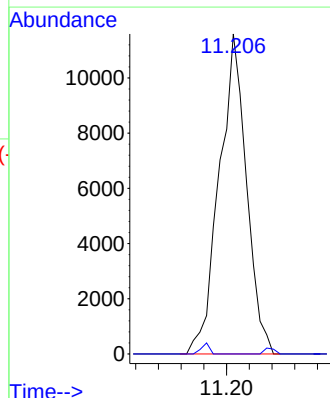
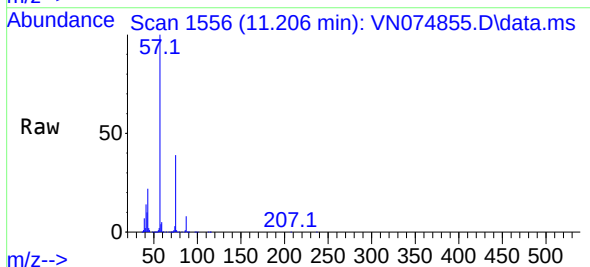
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#04

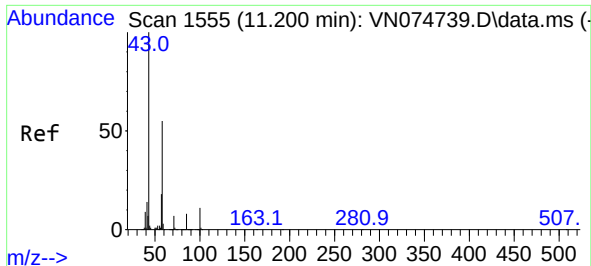
Tgt Ion: 75 Resp: 149535
Ion Ratio Lower Upper
75 100
77 1.0 24.4 36.6#
39 33.1 38.6 57.8#



#57
1,3-Dichloropropane
Concen: 0.951 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

Tgt Ion: 76 Resp: 19306
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

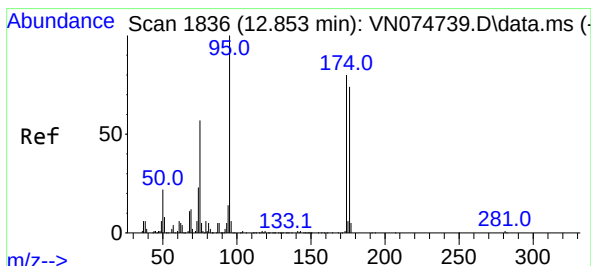
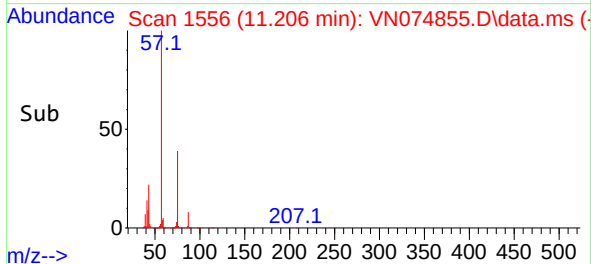
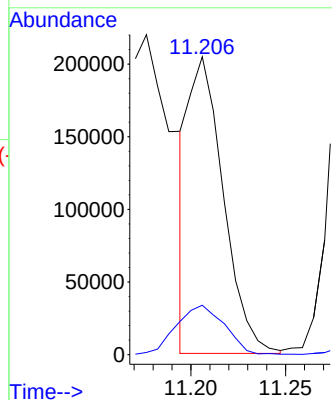
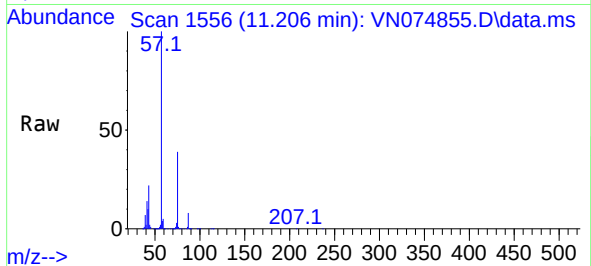




#59
2-Hexanone
Concen: 15.055 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

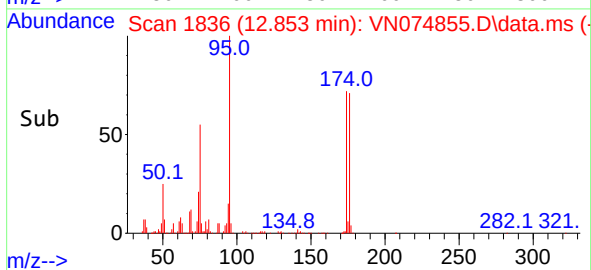
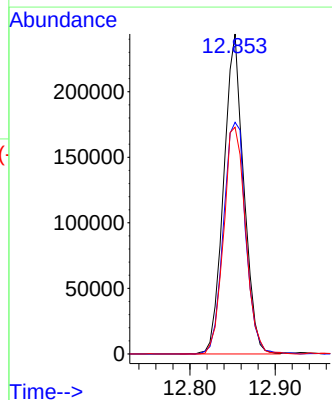
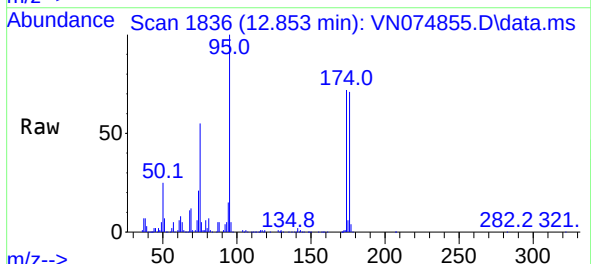
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#04

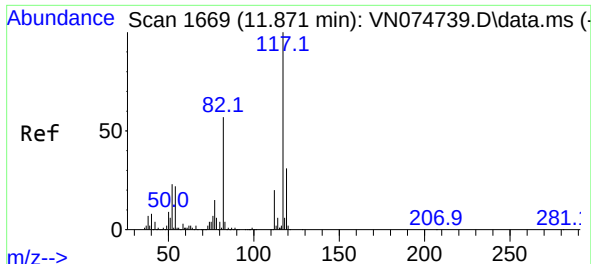
Tgt Ion: 43 Resp: 261686
Ion Ratio Lower Upper
43 100
58 23.3 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 34.350 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

Tgt Ion: 95 Resp: 398512
Ion Ratio Lower Upper
95 100
174 80.4 0.0 149.4
176 77.2 0.0 142.0

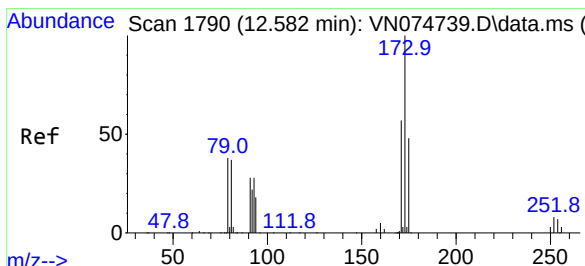
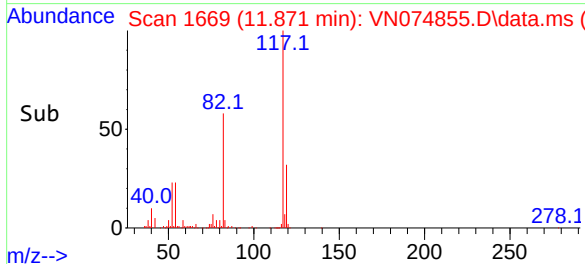
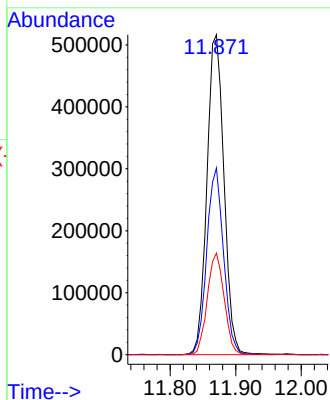
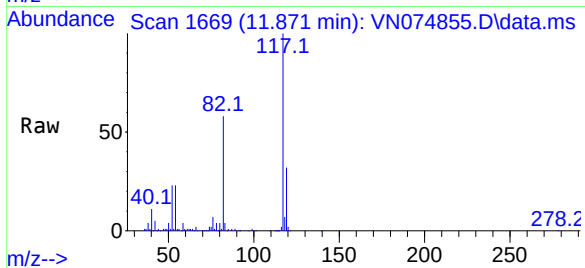




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

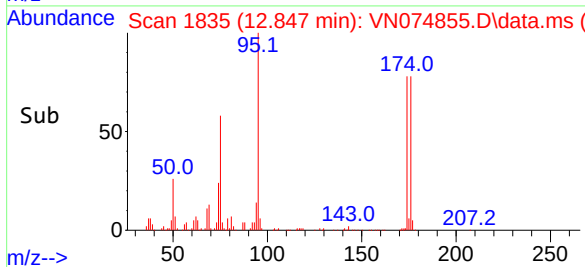
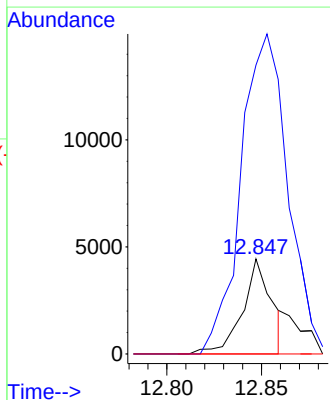
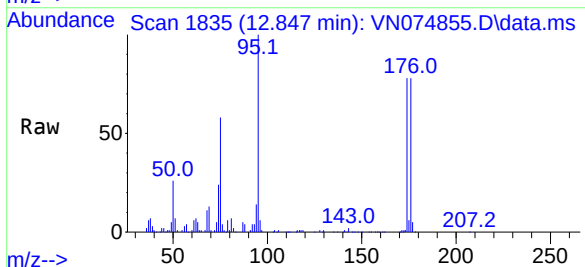
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#04

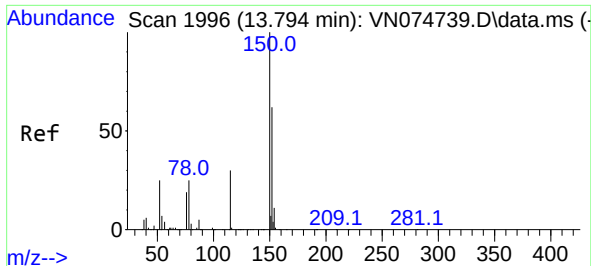
Tgt Ion:117 Resp: 932440
Ion Ratio Lower Upper
117 100
82 58.3 45.4 68.2
119 31.7 25.1 37.7



#71
Bromoform
Concen: 0.593 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

Tgt Ion:173 Resp: 4722
Ion Ratio Lower Upper
173 100
175 446.2 23.9 71.7#
254 0.0 0.1 0.1#

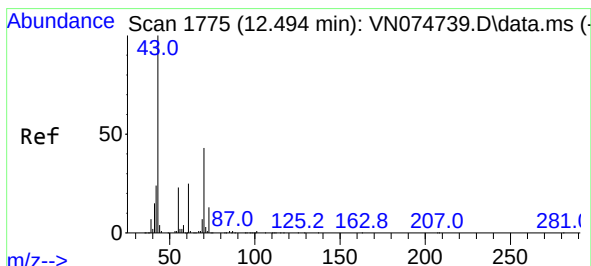
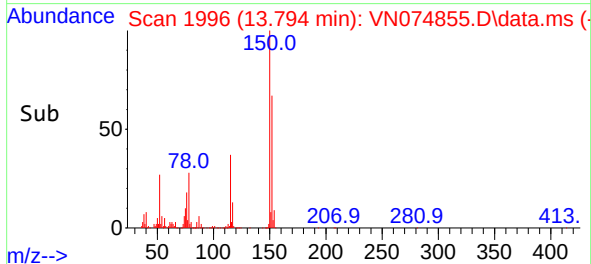
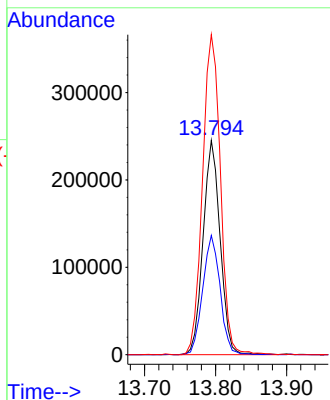
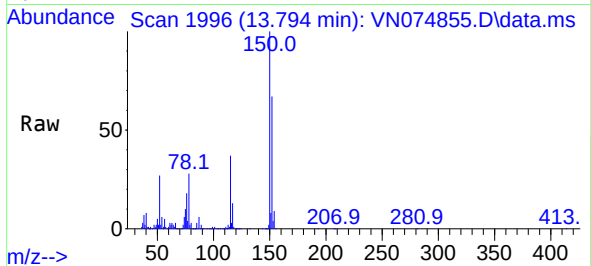




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

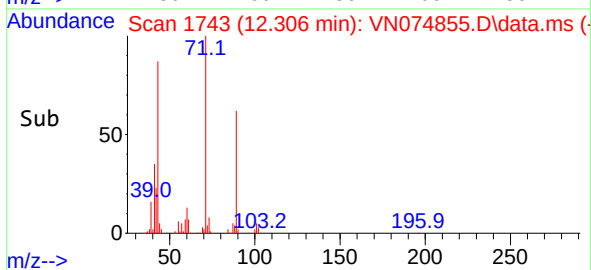
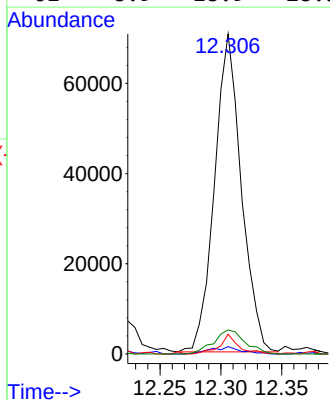
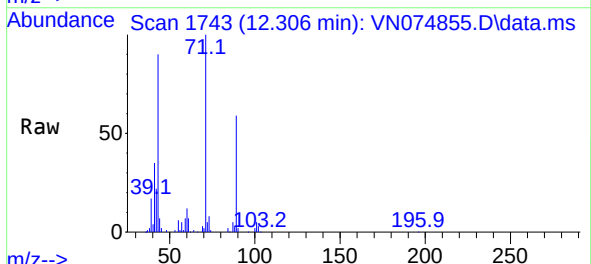
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#04

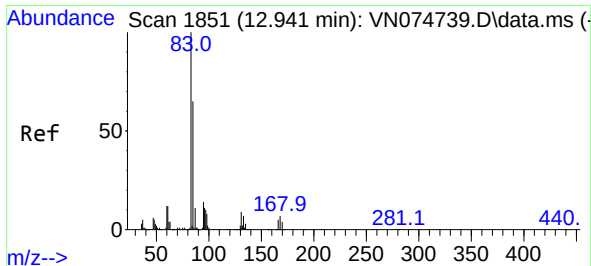
Tgt Ion:152 Resp: 408860
Ion Ratio Lower Upper
152 100
115 56.8 30.0 90.0
150 157.0 0.0 356.4



#74
N-ethyl acetate
Concen: 4.538 ug/l
RT: 12.306 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

Tgt Ion: 43 Resp: 107942
Ion Ratio Lower Upper
43 100
70 2.6 32.9 49.3#
55 4.4 17.8 26.6#
61 8.9 18.9 28.3#

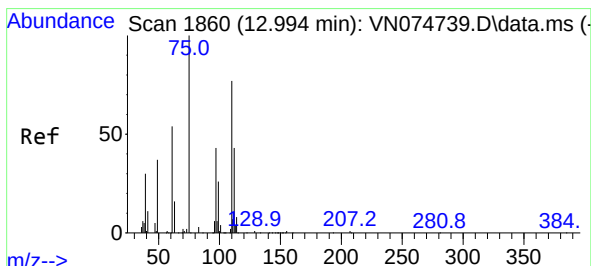
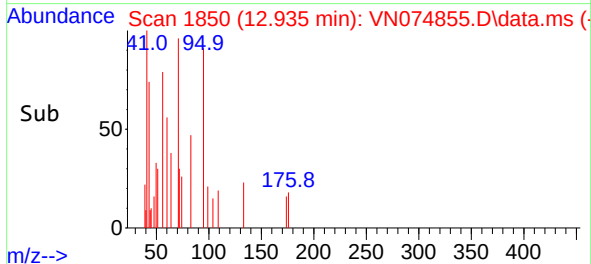
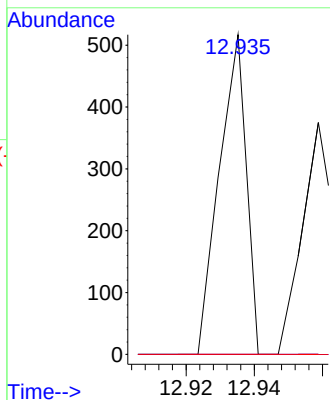
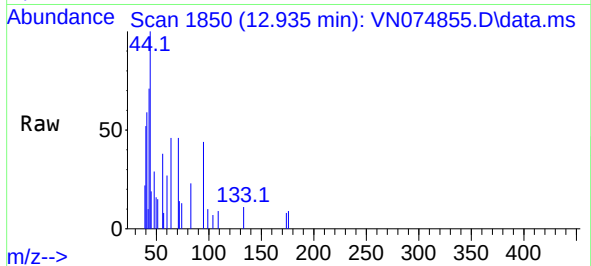




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

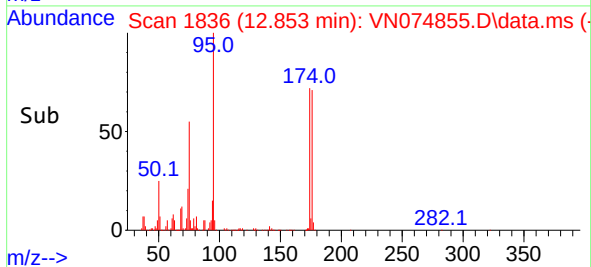
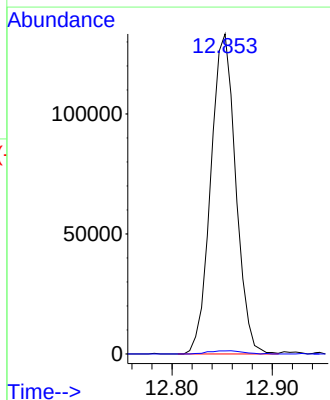
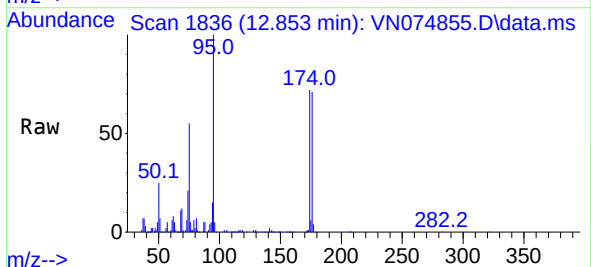
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#04

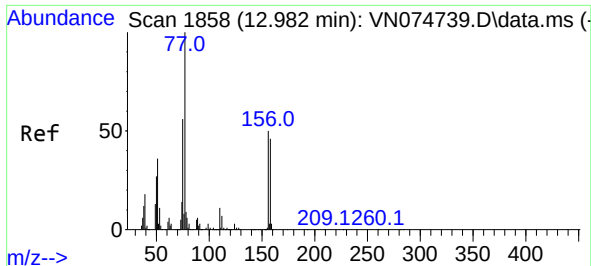
Tgt Ion: 83 Resp: 283
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 0.0 32.9 98.6#



#76
1,2,3-Trichloropropane
Concen: 18.843 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

Tgt Ion: 75 Resp: 229942
Ion Ratio Lower Upper
75 100
77 1.4 76.9 230.7#

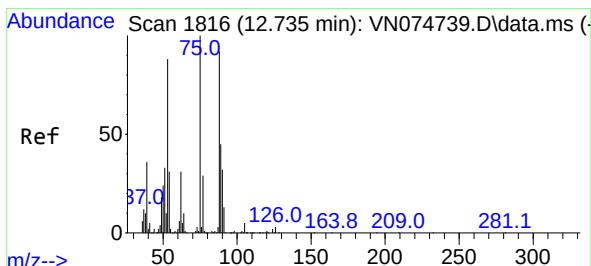
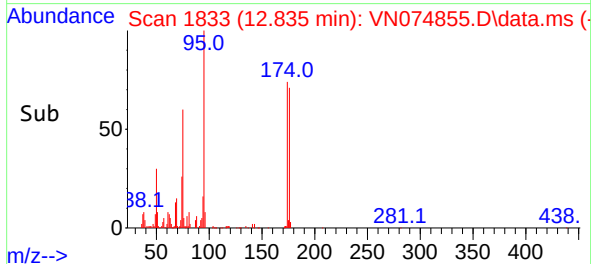
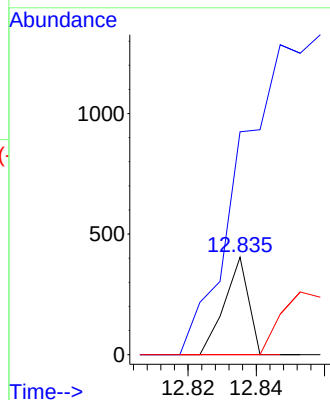
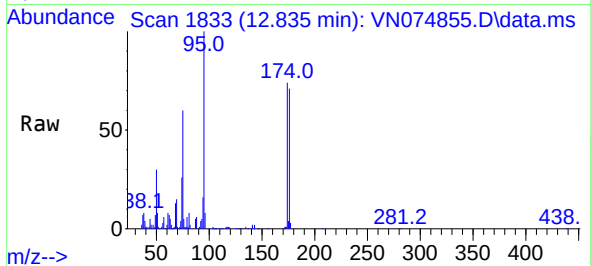




#77
Bromobenzene
Concen: Below Cal
RT: 12.835 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

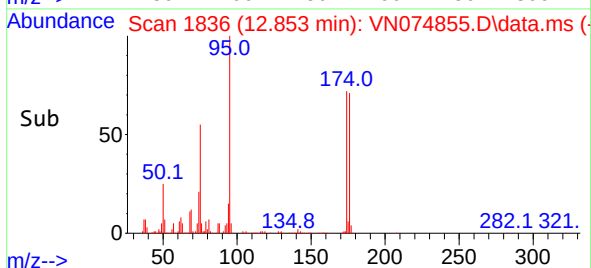
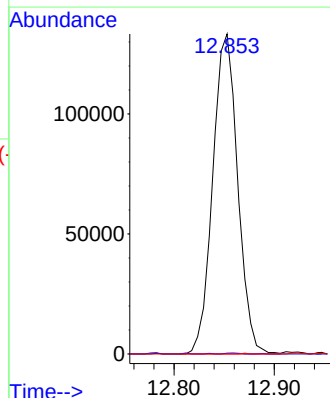
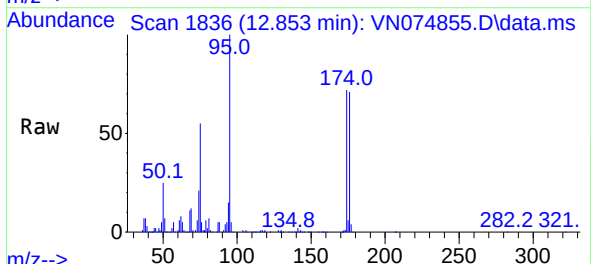
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#04

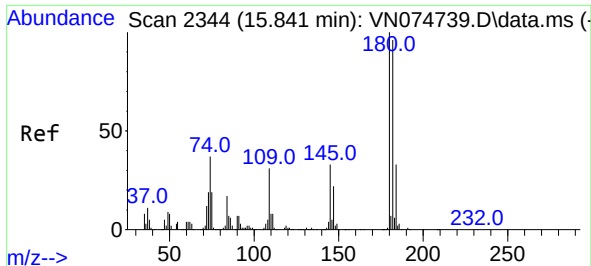
Tgt Ion:156 Resp: 199
Ion Ratio Lower Upper
156 100
77 0.0 124.7 374.1#
158 0.0 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 36.712 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074855.D
Acq: 11 Oct 2022 18:38

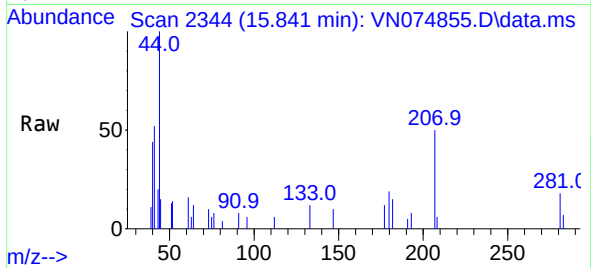
Tgt Ion: 75 Resp: 229942
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.0 32.1 48.1#





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN074855.D
 Acq: 11 Oct 2022 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#04



Tgt Ion:180 Resp: 770
 Ion Ratio Lower Upper
 180 100
 182 46.1 47.3 142.0#
 145 0.0 17.1 51.2#

