

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101122\
 Data File : VN074865.D
 Acq On : 11 Oct 2022 22:39
 Operator : JC\MD
 Sample : PB148097ZHE#15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148097ZHE#15

Quant Time: Oct 12 04:01:22 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)

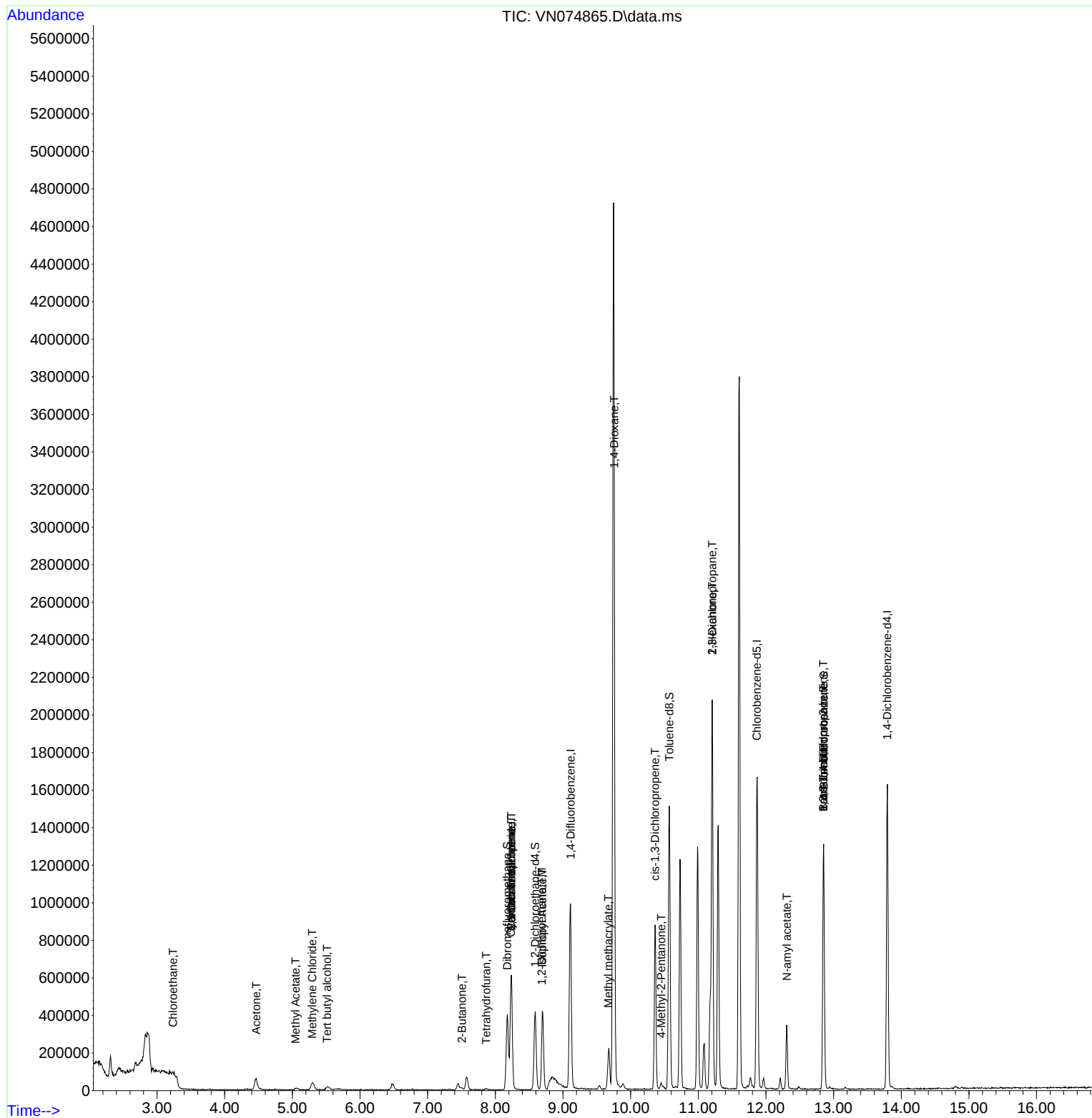
Internal Standards						
1) Pentafluorobenzene	8.236	168	432652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	859515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	937944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	411663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	302303	29.489	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	58.980%#		
35) Dibromofluoromethane	8.177	113	284219	32.728	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	65.460%#		
50) Toluene-d8	10.571	98	1031077	27.670	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	55.340%#		
62) 4-Bromofluorobenzene	12.853	95	394657	34.841	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	69.680%#		
Target Compounds						Qvalue
6) Chloroethane	3.236	64	50229	4.155	ug/l #	57
11) Tert butyl alcohol	5.512	59	16636	4.845	ug/l #	76
13) Acrolein	4.195	56	295	Below Cal	#	15
16) Acetone	4.465	43	111909	19.263	ug/l	97
18) Methyl Acetate	5.047	43	25483	1.185	ug/l #	81
20) Methylene Chloride	5.295	84	30665	1.149	ug/l #	80
25) 2-Butanone	7.506	43	11120	1.055	ug/l #	89
29) Tetrahydrofuran	7.865	42	3597	0.490	ug/l	99
31) Cyclohexane	8.230	56	14867	0.839	ug/l #	66
36) 1,1-Dichloropropene	8.236	75	42781	3.044	ug/l #	48
38) Carbon Tetrachloride	8.236	117	45819	3.457	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	3406	0.238	ug/l #	74
43) Isopropyl Acetate	8.694	43	479292	13.756	ug/l #	92
48) Methyl methacrylate	9.671	41	15645	1.094	ug/l #	83
49) 1,4-Dioxane	9.759	88	968	3.122	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	22815	1.017	ug/l #	64
54) cis-1,3-Dichloropropene	10.359	75	152487	8.025	ug/l #	71
57) 1,3-Dichloropropane	11.206	76	20498	1.035	ug/l #	44
59) 2-Hexanone	11.206	43	256610	15.121	ug/l #	58
71) Bromoform	12.847	173	4217	0.527	ug/l #	1
74) N-amyl acetate	12.306	43	108659	4.537	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.841	83	790	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.847	75	235795	19.191	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	235795	37.390	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.700	180	62	Below Cal	#	12

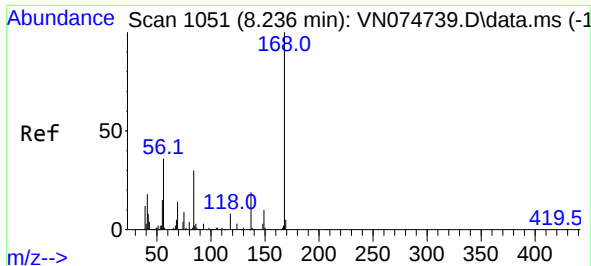
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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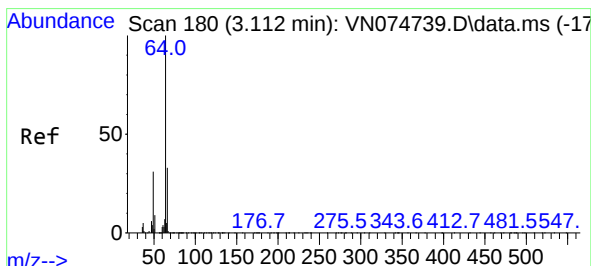
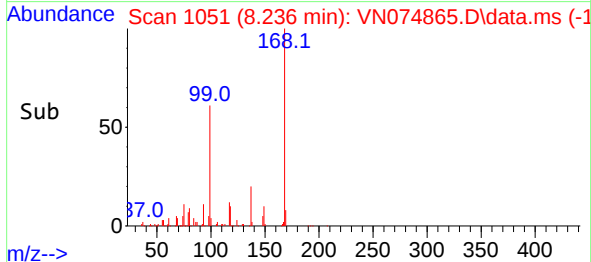
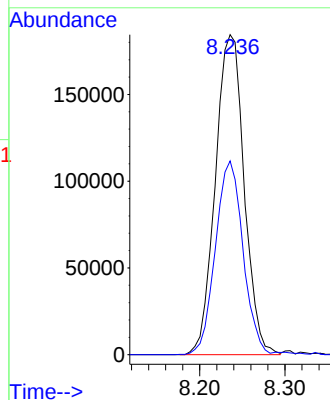
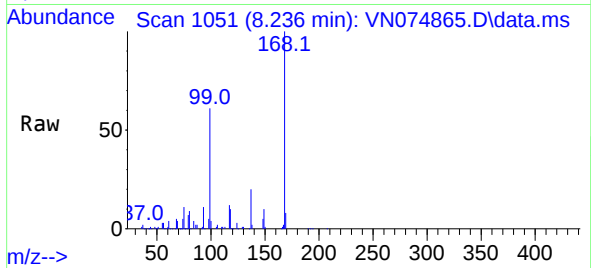




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

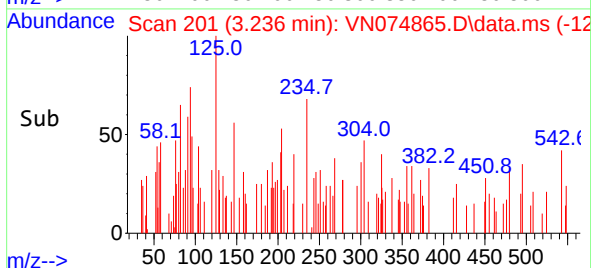
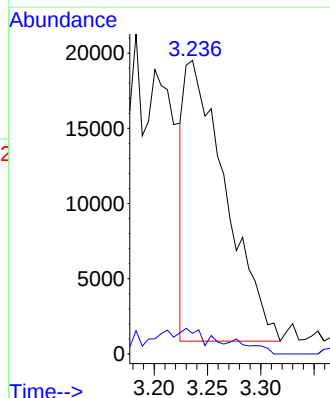
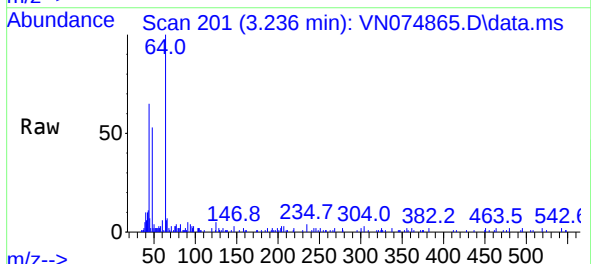
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#15

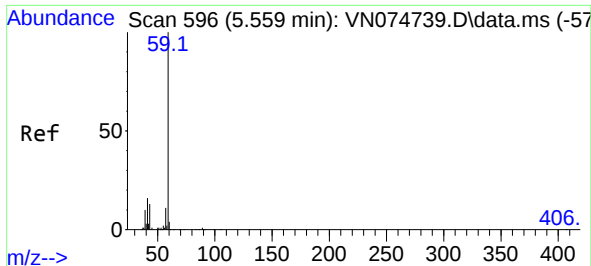
Tgt Ion:168 Resp: 432652
Ion Ratio Lower Upper
168 100
99 60.4 42.8 64.2



#6
Chloroethane
Concen: 4.155 ug/l
RT: 3.236 min Scan# 201
Delta R.T. 0.123 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Tgt Ion: 64 Resp: 50229
Ion Ratio Lower Upper
64 100
66 7.4 25.1 37.7#

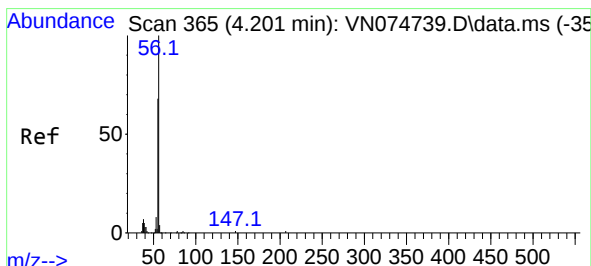
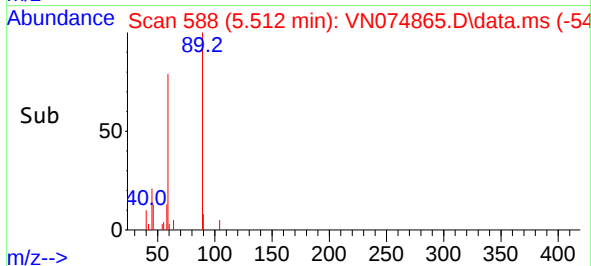
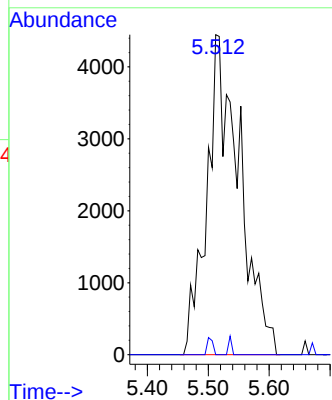
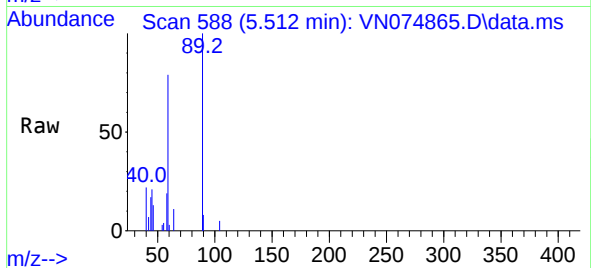




#11
Tert butyl alcohol
Concen: 4.845 ug/l
RT: 5.512 min Scan# 51
Delta R.T. -0.047 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

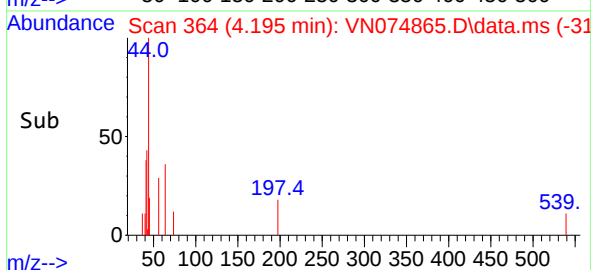
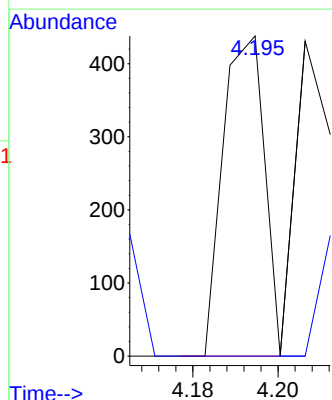
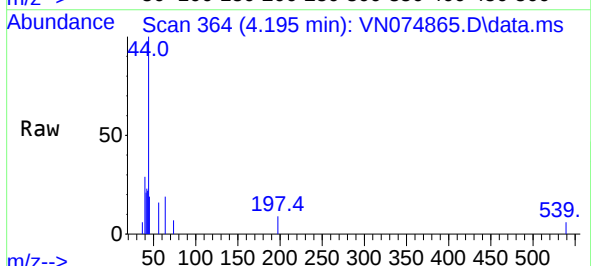
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#15

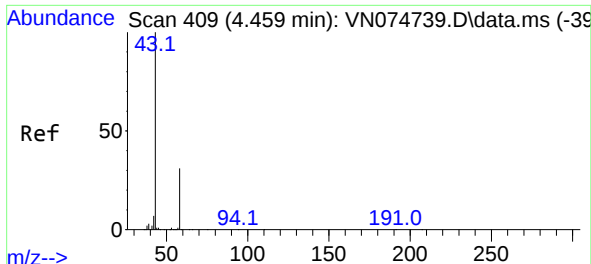
Tgt Ion: 59 Resp: 16636
Ion Ratio Lower Upper
59 100
57 0.9 7.7 11.5#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 364
Delta R.T. -0.006 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Tgt Ion: 56 Resp: 295
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#

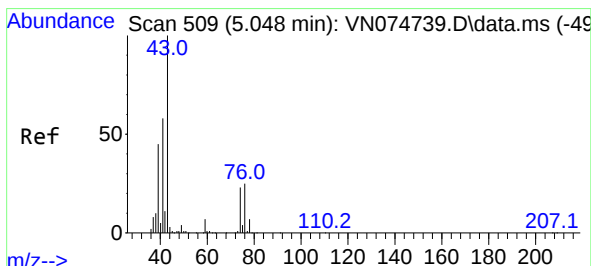
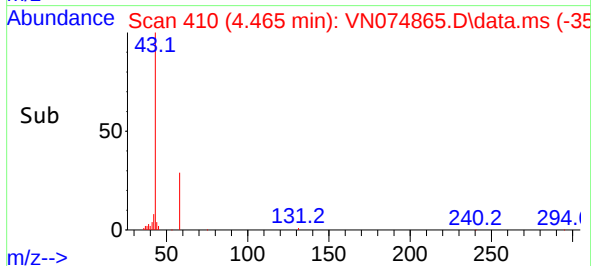
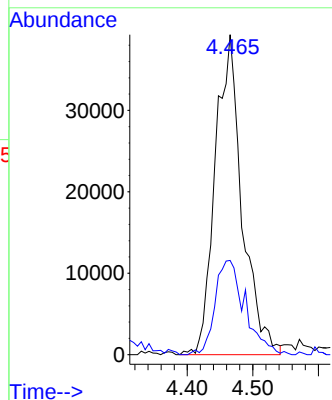
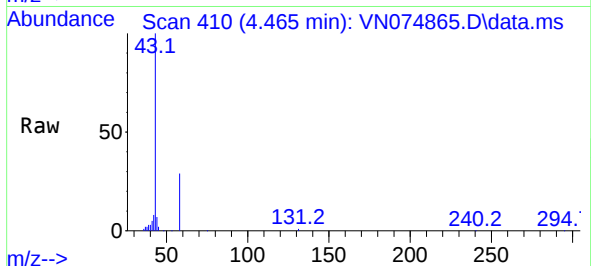




#16
Acetone
Concen: 19.263 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

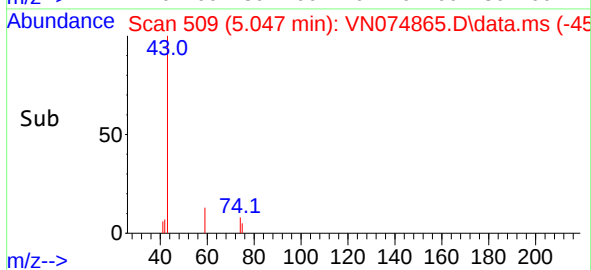
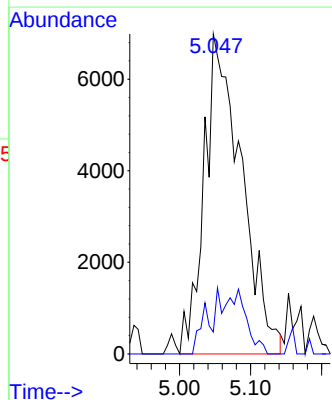
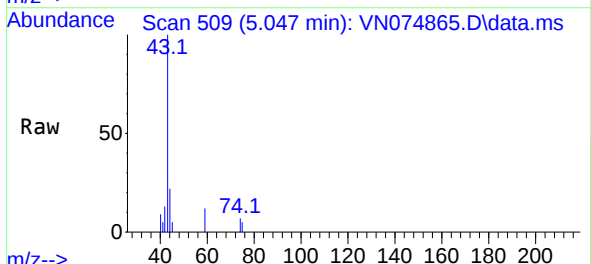
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#15

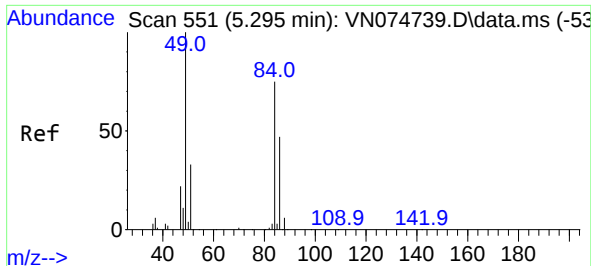
Tgt Ion: 43 Resp: 111909
Ion Ratio Lower Upper
43 100
58 29.5 24.9 37.3



#18
Methyl Acetate
Concen: 1.185 ug/l
RT: 5.047 min Scan# 509
Delta R.T. -0.000 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Tgt Ion: 43 Resp: 25483
Ion Ratio Lower Upper
43 100
74 13.9 18.5 27.7#



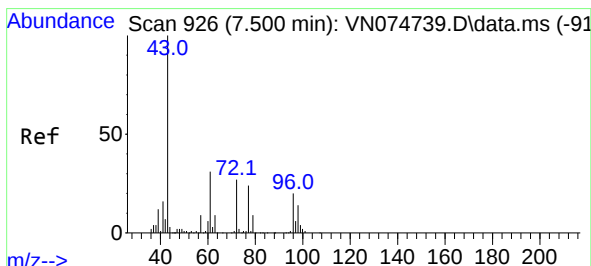
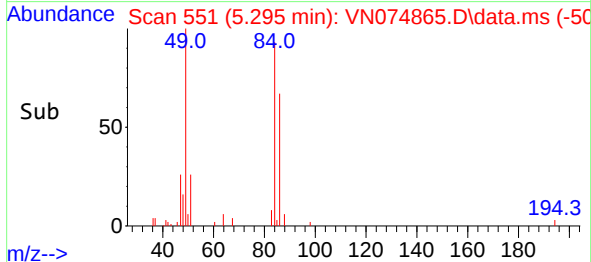
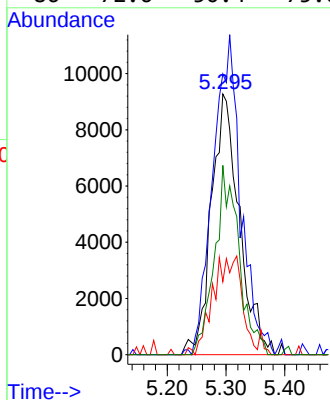
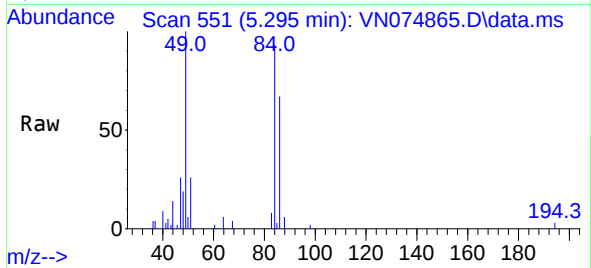


#20
Methylene Chloride
Concen: 1.149 ug/l
RT: 5.295 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#15

Tgt Ion: 84 Resp: 30665

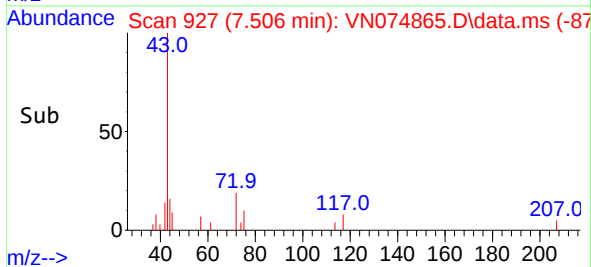
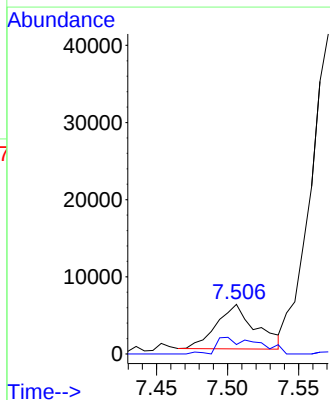
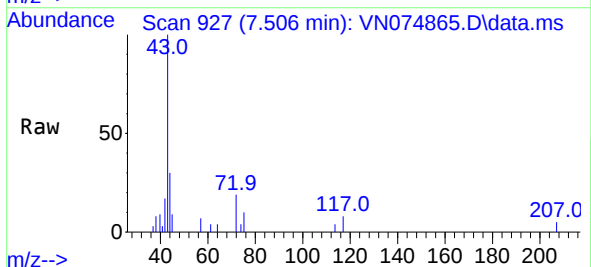
Ion	Ratio	Lower	Upper
84	100		
49	107.7	107.4	161.0
51	28.1	35.1	52.7#
86	72.6	50.4	75.6

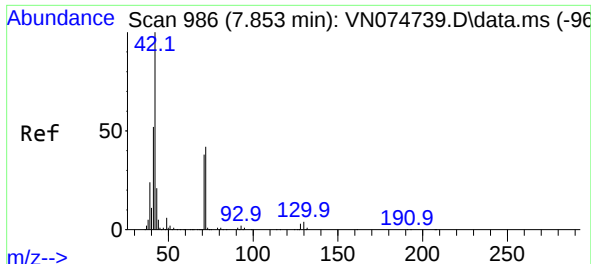


#25
2-Butanone
Concen: 1.055 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.006 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Tgt Ion: 43 Resp: 11120

Ion	Ratio	Lower	Upper
43	100		
72	21.2	21.4	32.0#





#29

Tetrahydrofuran

Concen: 0.490 ug/l

RT: 7.865 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN074865.D

Acq: 11 Oct 2022 22:39

Instrument :

MSVOA_N

ClientSampleId :

PB148097ZHE#15

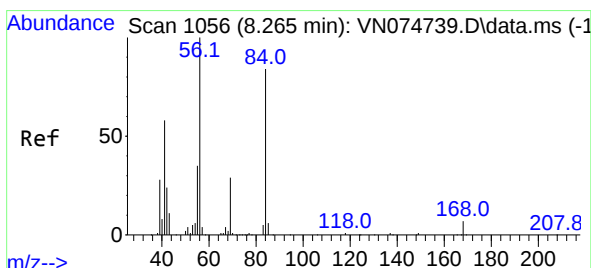
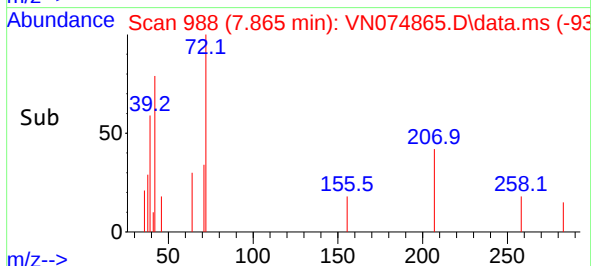
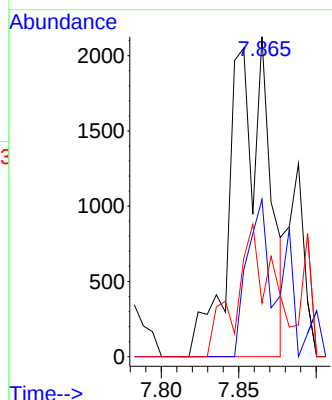
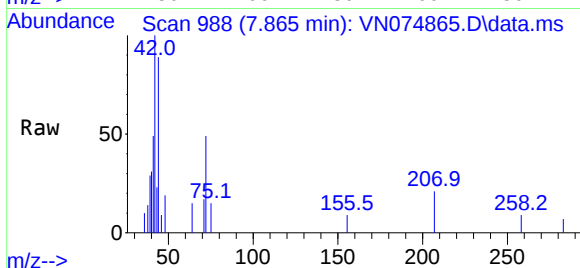
Tgt Ion: 42 Resp: 3597

Ion Ratio Lower Upper

42 100

72 40.9 33.0 49.6

71 39.4 30.4 45.6



#31

Cyclohexane

Concen: 0.839 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN074865.D

Acq: 11 Oct 2022 22:39

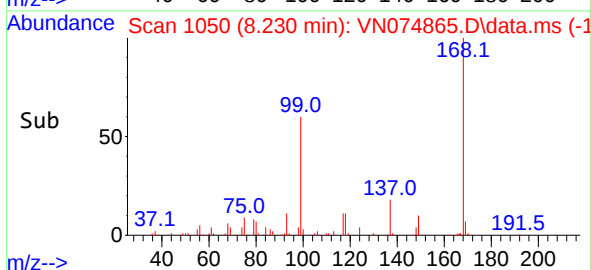
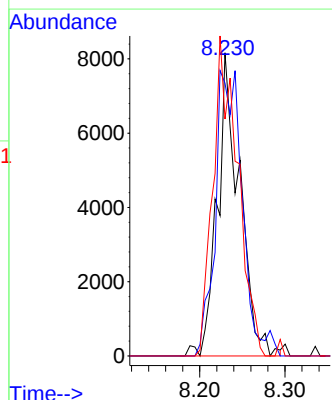
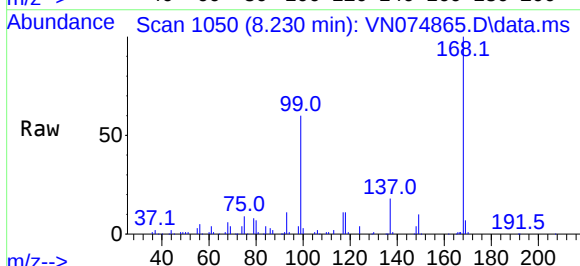
Tgt Ion: 56 Resp: 14867

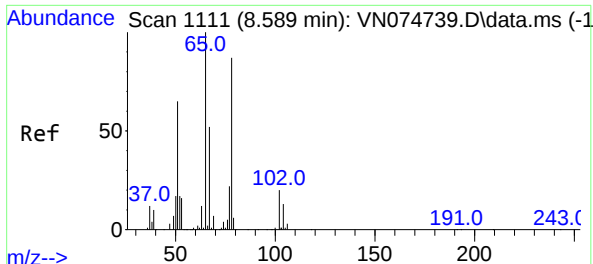
Ion Ratio Lower Upper

56 100

69 90.0 23.1 34.7#

84 78.2 67.1 100.7

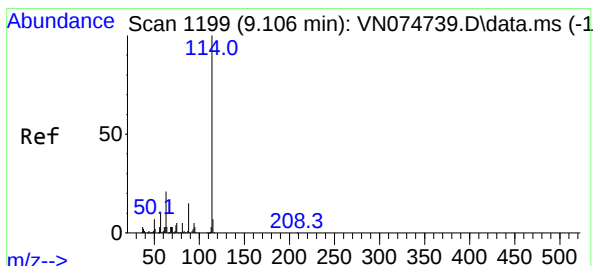
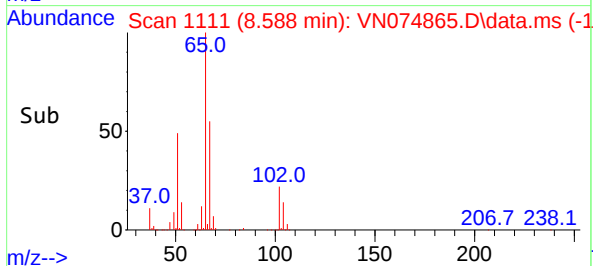
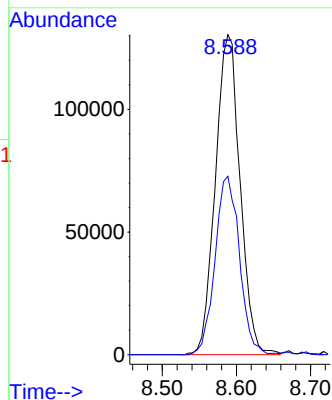
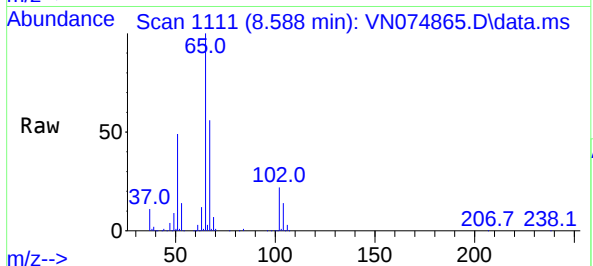




#33
1,2-Dichloroethane-d4
Concen: 29.489 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

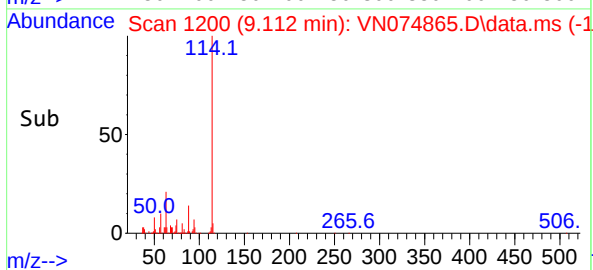
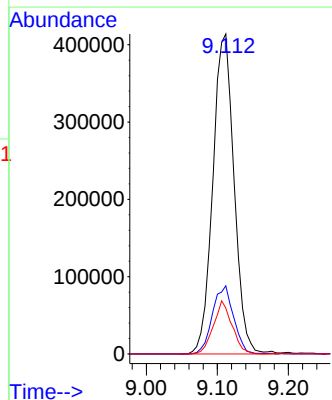
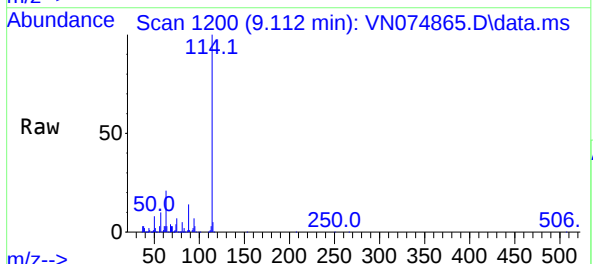
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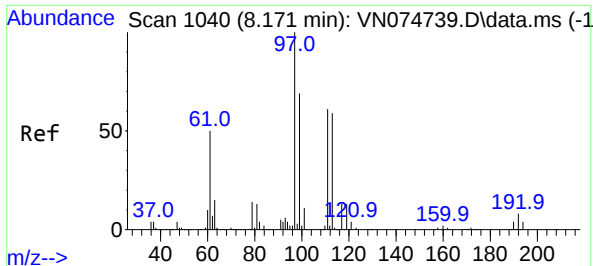
Tgt Ion: 65 Resp: 302303
Ion Ratio Lower Upper
65 100
67 55.0 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1200
Delta R.T. 0.006 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Tgt Ion:114 Resp: 859515
Ion Ratio Lower Upper
114 100
63 21.3 0.0 41.2
88 14.4 0.0 30.2

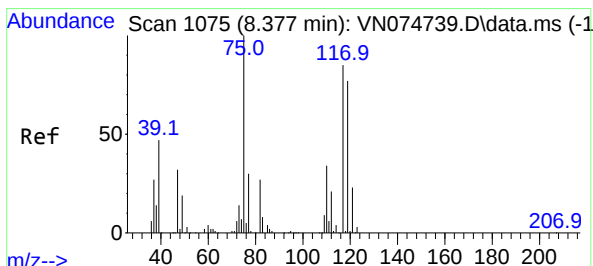
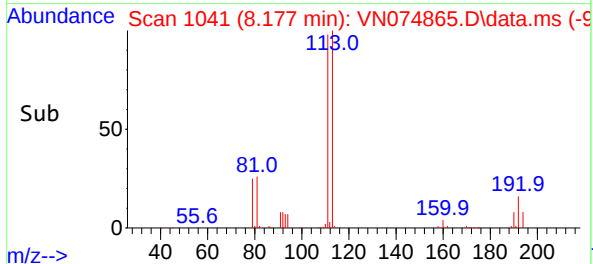
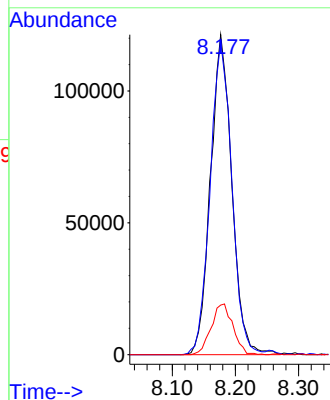
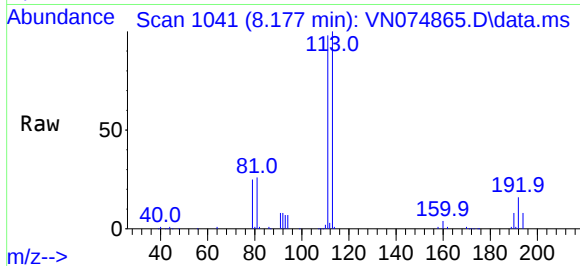




#35
Dibromofluoromethane
Concen: 32.728 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

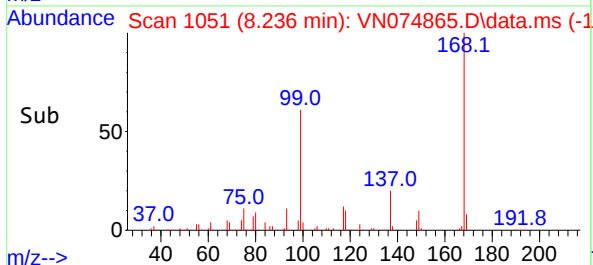
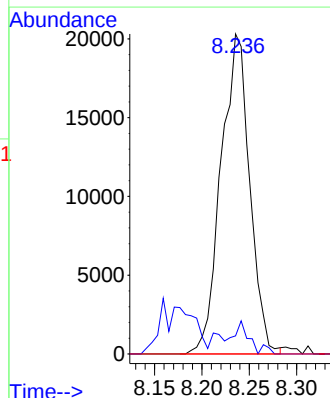
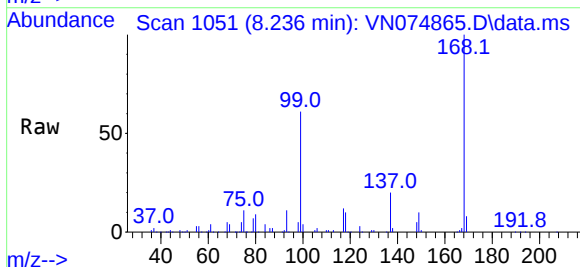
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#15

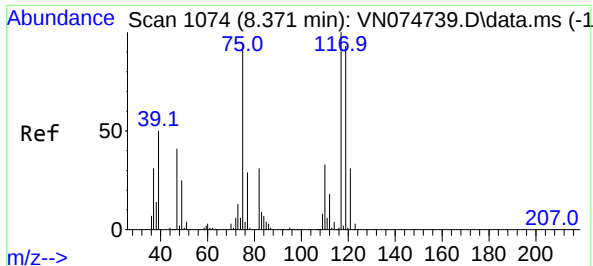
Tgt Ion:113 Resp: 284219
Ion Ratio Lower Upper
113 100
111 99.5 83.0 124.6
192 16.2 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.044 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Tgt Ion: 75 Resp: 42781
Ion Ratio Lower Upper
75 100
110 6.0 17.2 51.5#
77 0.0 24.3 36.5#

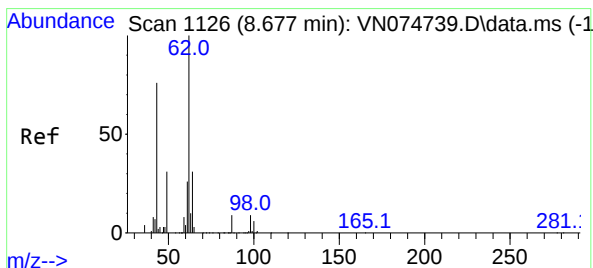
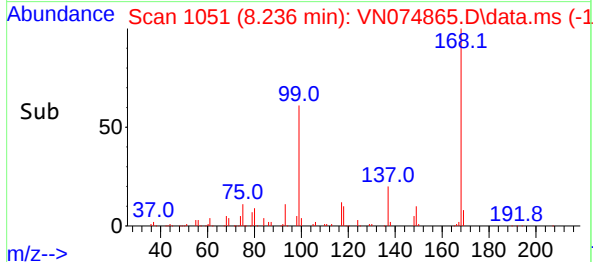
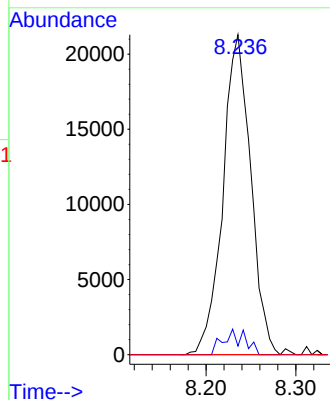
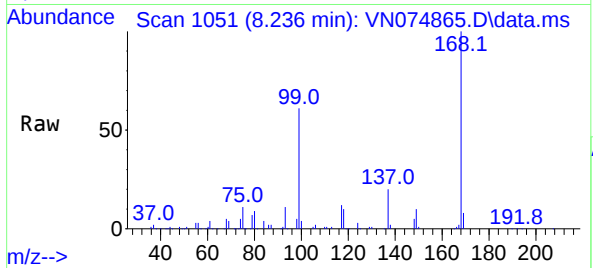




#38
Carbon Tetrachloride
Concen: 3.457 ug/l
RT: 8.236 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

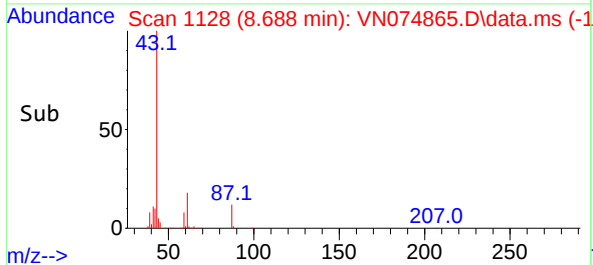
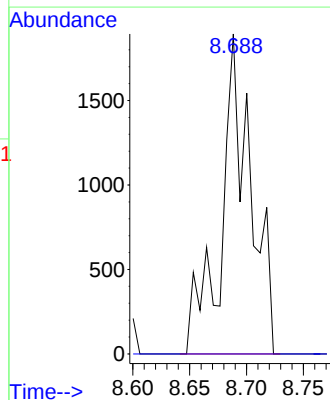
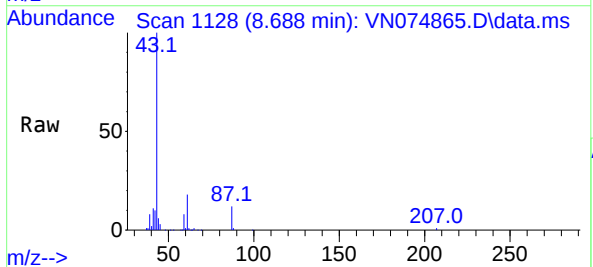
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#15

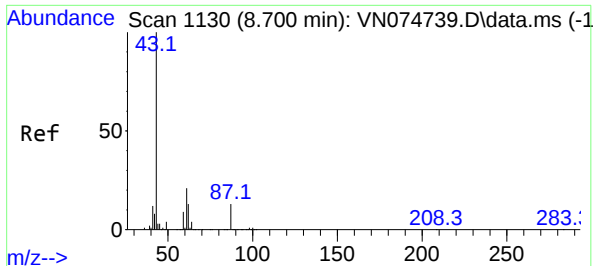
Tgt Ion:117 Resp: 45819
Ion Ratio Lower Upper
117 100
119 2.7 74.3 111.5#
121 0.0 25.0 37.4#



#42
1,2-Dichloroethane
Concen: 0.238 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Tgt Ion: 62 Resp: 3406
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

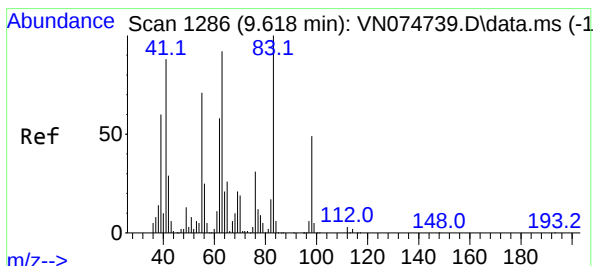
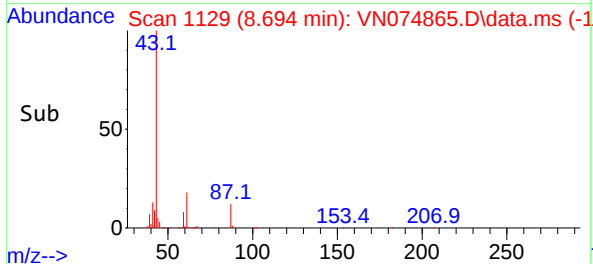
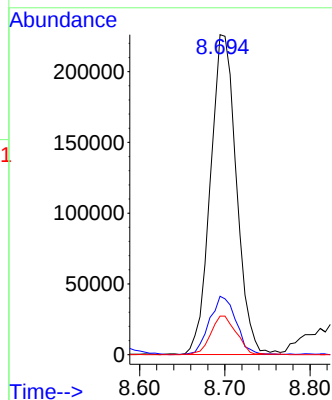
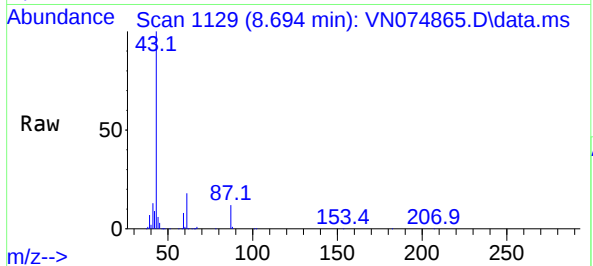




#43
Isopropyl Acetate
Concen: 13.756 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

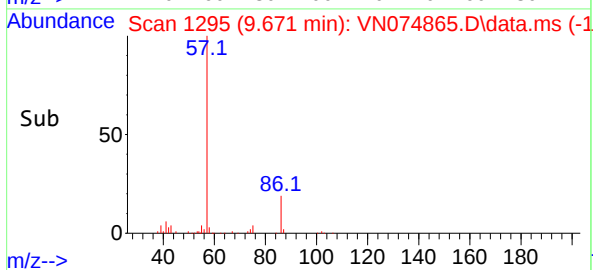
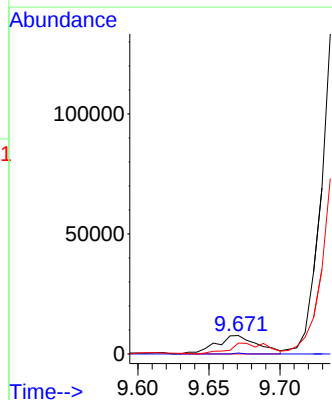
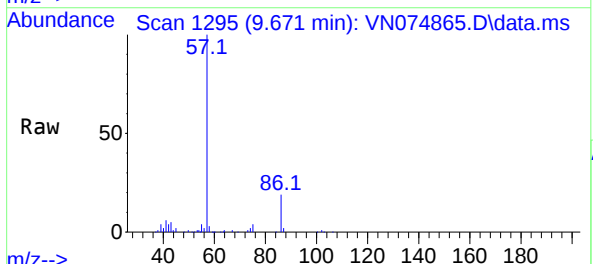
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#15

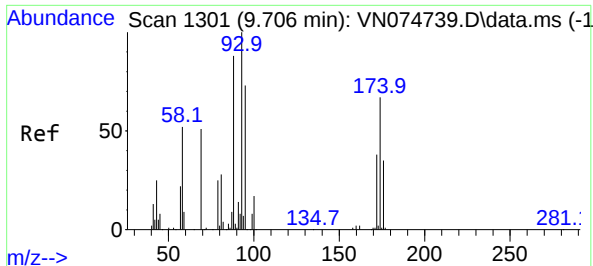
Tgt Ion: 43 Resp: 479292
Ion Ratio Lower Upper
43 100
61 18.8 19.4 29.0#
87 12.0 10.1 15.1



#48
Methyl methacrylate
Concen: 1.094 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. 0.053 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Tgt Ion: 41 Resp: 15645
Ion Ratio Lower Upper
41 100
69 1.0 0.0 0.0#
39 54.1 54.4 81.6#

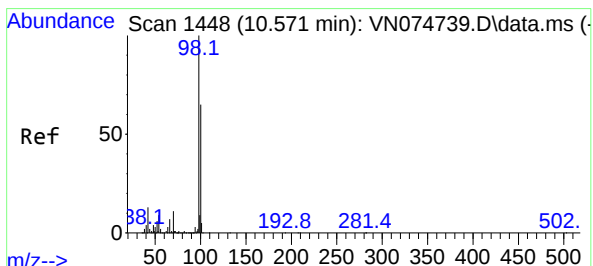
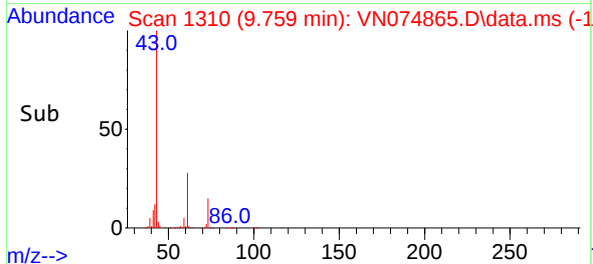
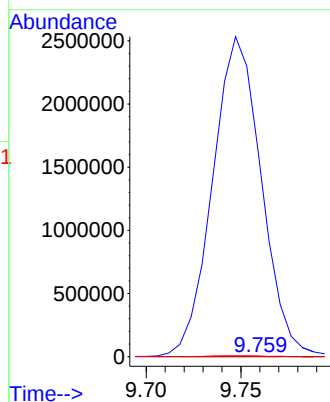
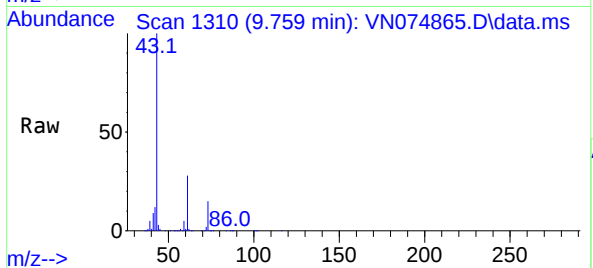




#49
1,4-Dioxane
Concen: 3.122 ug/l
RT: 9.759 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

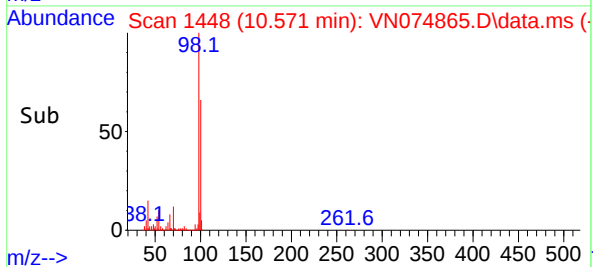
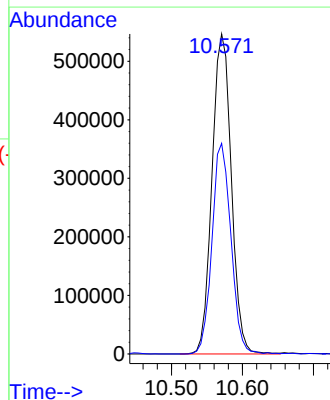
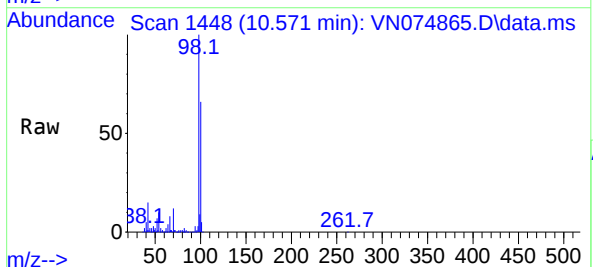
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#15

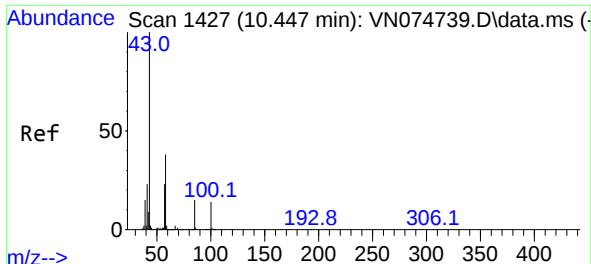
Tgt Ion: 88 Resp: 968
Ion Ratio Lower Upper
88 100
43 473169.0 23.4 35.2#
58 1853.5 54.9 82.3#



#50
Toluene-d8
Concen: 27.670 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Tgt Ion: 98 Resp: 1031077
Ion Ratio Lower Upper
98 100
100 64.7 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 1.017 ug/l

RT: 10.453 min Scan# 1412

Delta R.T. 0.006 min

Lab File: VN074865.D

Acq: 11 Oct 2022 22:39

Instrument :

MSVOA_N

ClientSampleId :

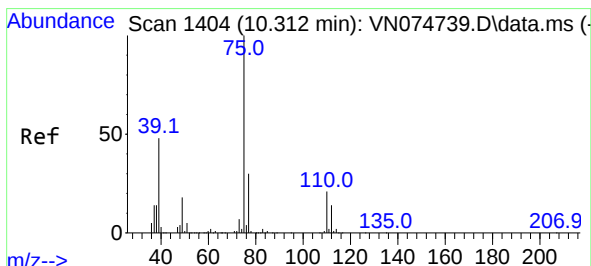
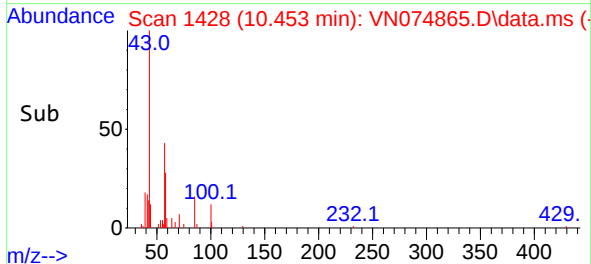
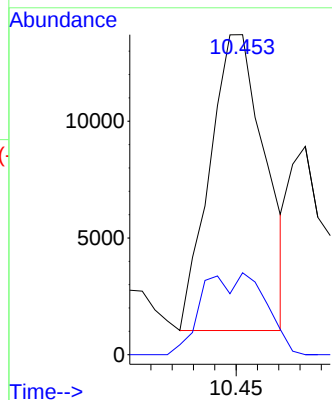
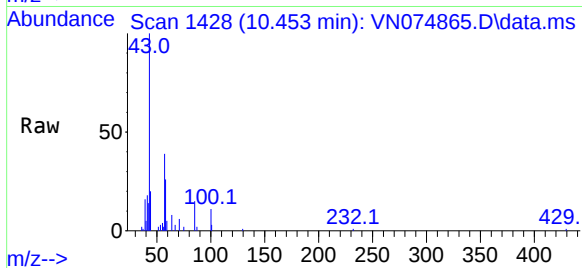
PB148097ZHE#15

Tgt Ion: 43 Resp: 22815

Ion Ratio Lower Upper

43 100

58 16.3 30.6 45.8#



#54

cis-1,3-Dichloropropene

Concen: 8.025 ug/l

RT: 10.359 min Scan# 1412

Delta R.T. 0.047 min

Lab File: VN074865.D

Acq: 11 Oct 2022 22:39

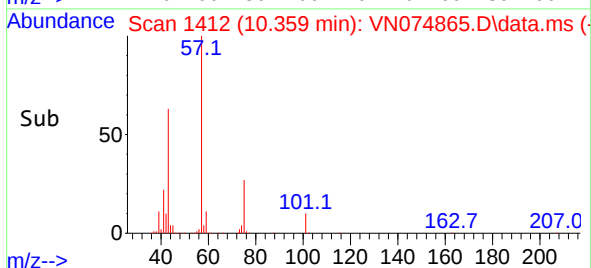
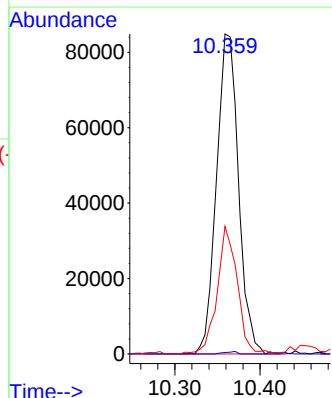
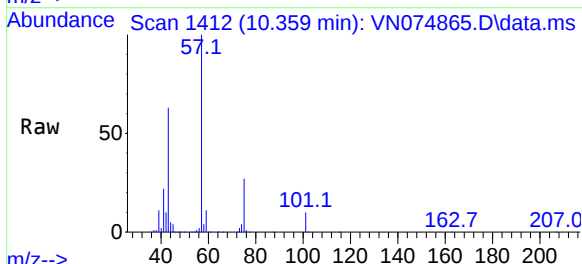
Tgt Ion: 75 Resp: 152487

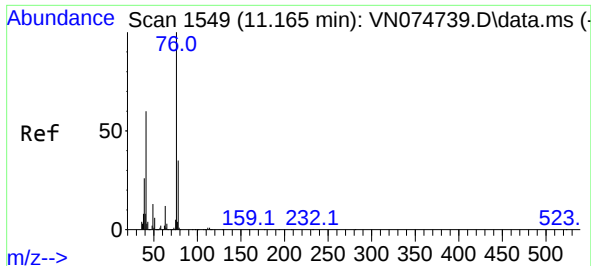
Ion Ratio Lower Upper

75 100

77 0.5 24.4 36.6#

39 39.9 38.6 57.8





#57

1,3-Dichloropropane

Concen: 1.035 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN074865.D

Acq: 11 Oct 2022 22:39

Instrument :

MSVOA_N

ClientSampleId :

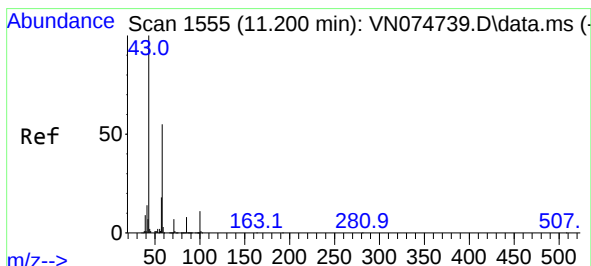
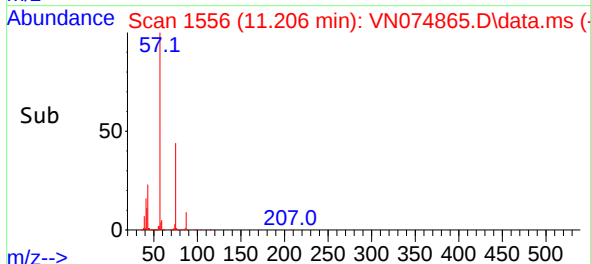
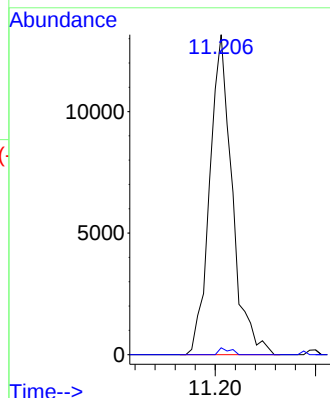
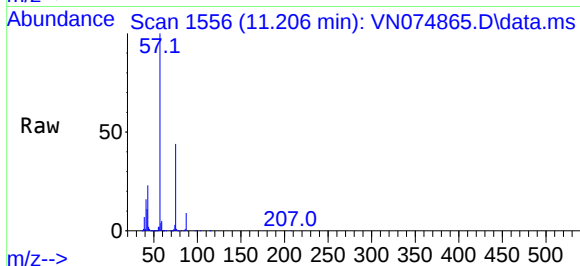
PB148097ZHE#15

Tgt Ion: 76 Resp: 20498

Ion Ratio Lower Upper

76 100

78 1.1 26.2 39.2#



#59

2-Hexanone

Concen: 15.121 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN074865.D

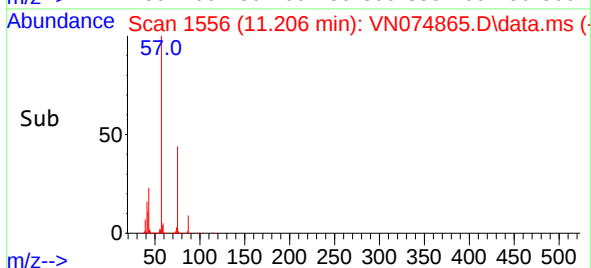
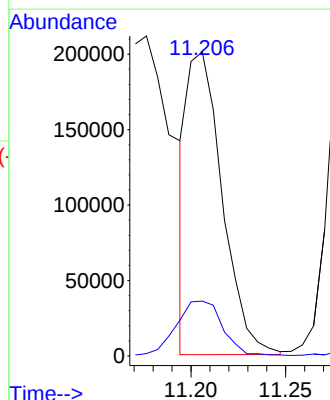
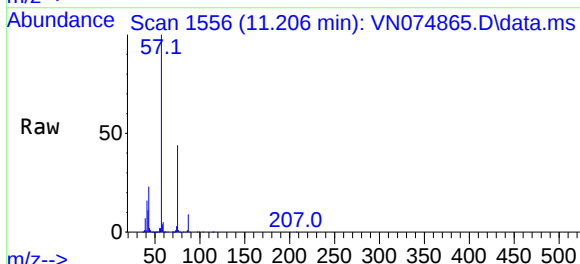
Acq: 11 Oct 2022 22:39

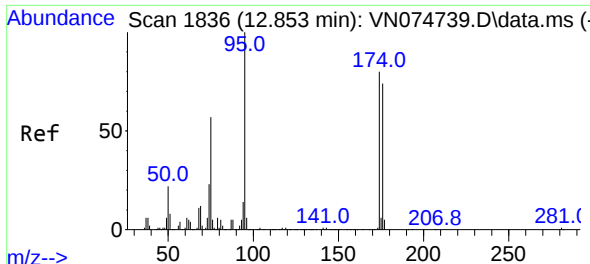
Tgt Ion: 43 Resp: 256610

Ion Ratio Lower Upper

43 100

58 24.4 27.3 81.9#

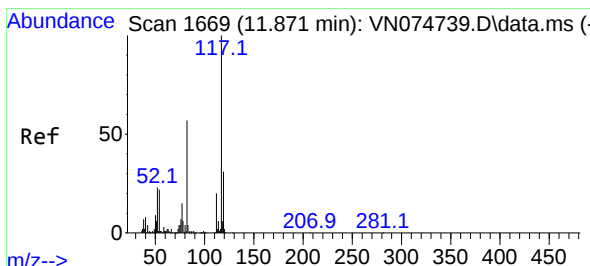
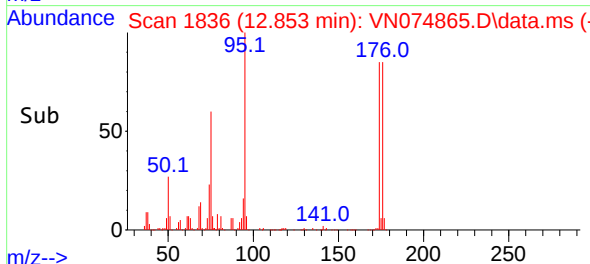
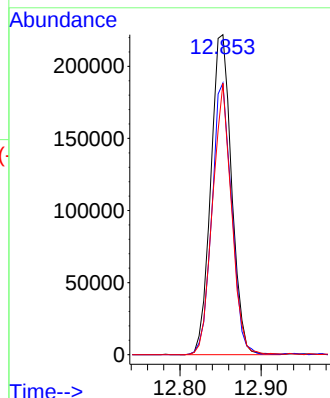
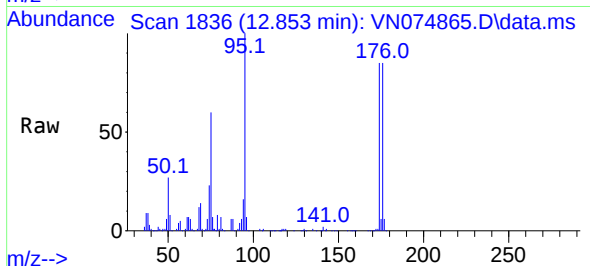




#62
4-Bromofluorobenzene
Concen: 34.841 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

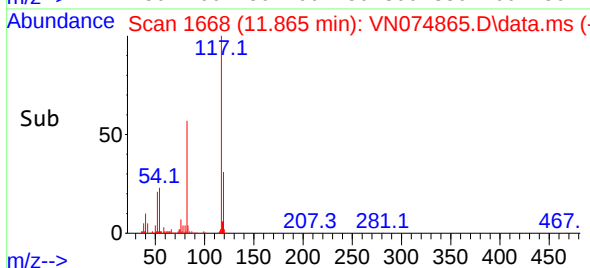
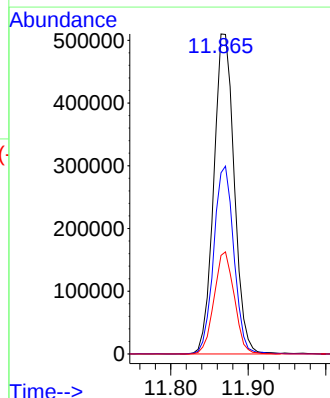
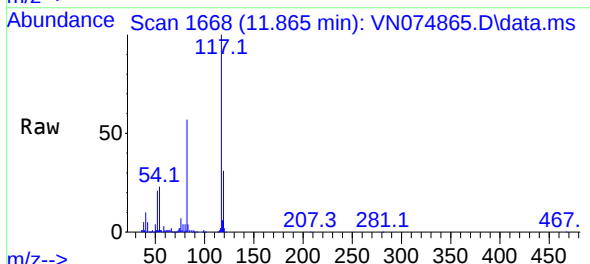
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#15

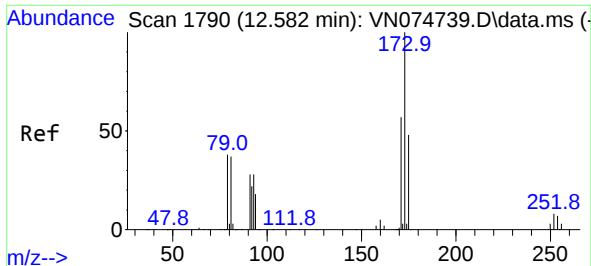
Tgt Ion: 95 Resp: 394657
Ion Ratio Lower Upper
95 100
174 80.6 0.0 149.4
176 77.7 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Tgt Ion: 117 Resp: 937944
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.2
119 30.8 25.1 37.7

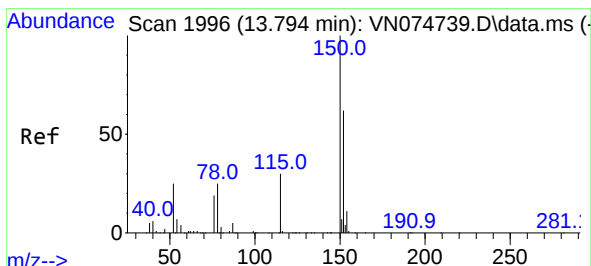
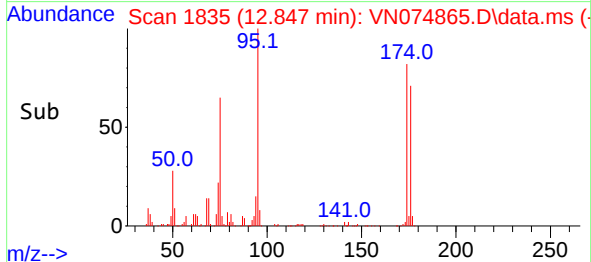
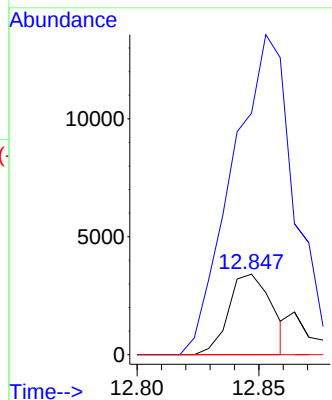
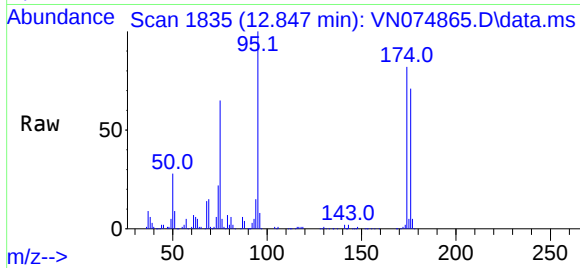




#71
Bromoform
Concen: 0.527 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

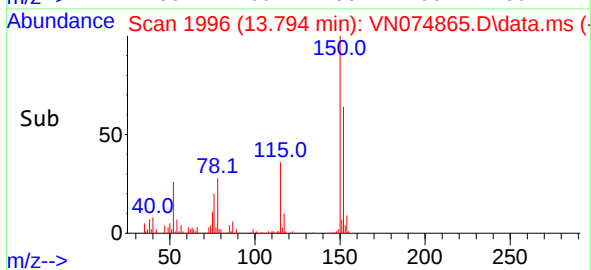
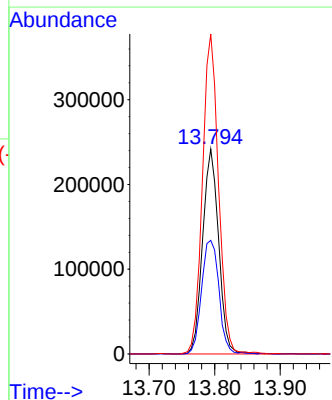
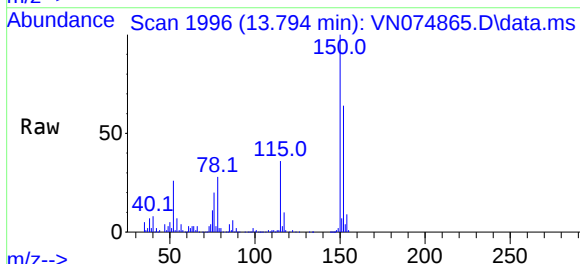
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#15

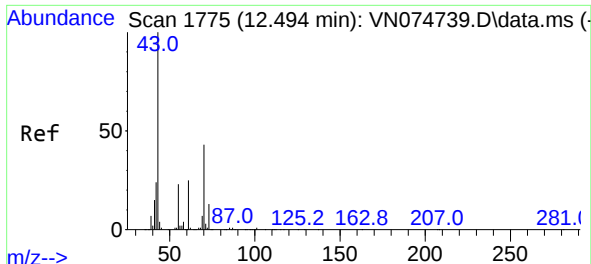
Tgt Ion:173 Resp: 4217
Ion Ratio Lower Upper
173 100
175 465.7 23.9 71.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Tgt Ion:152 Resp: 411663
Ion Ratio Lower Upper
152 100
115 60.1 30.0 90.0
150 156.5 0.0 356.4

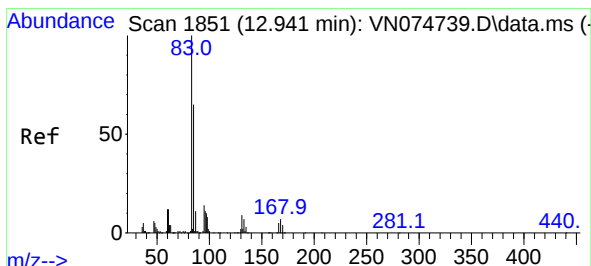
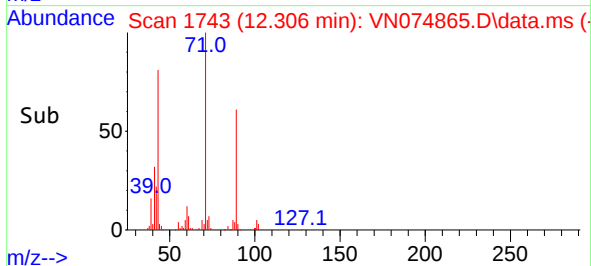
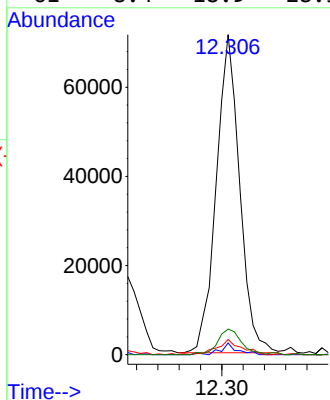
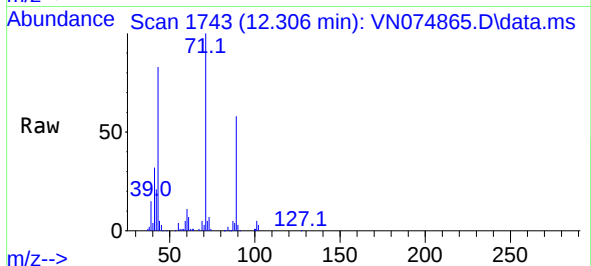




#74
N-amy1 acetate
Concen: 4.537 ug/l
RT: 12.306 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

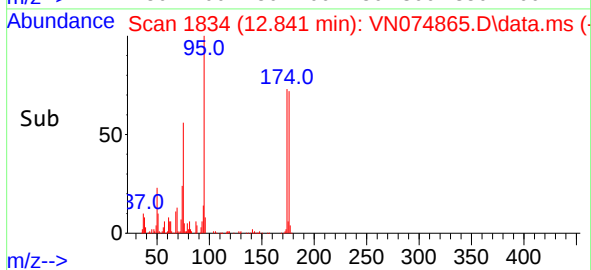
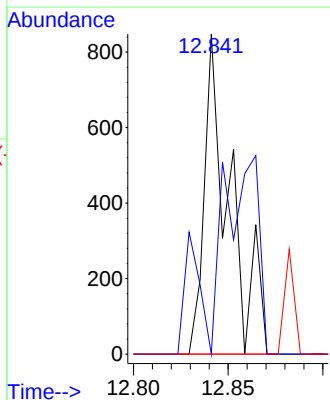
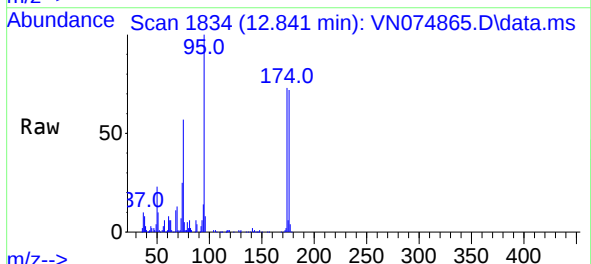
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#15

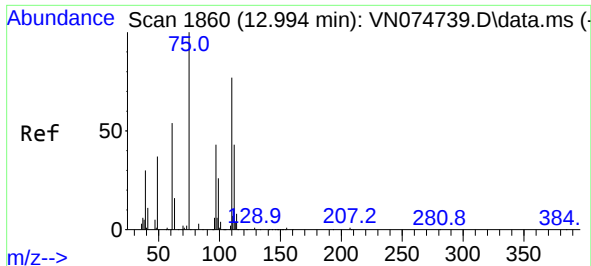
Tgt Ion: 43 Resp: 108659
Ion Ratio Lower Upper
43 100
70 2.6 32.9 49.3#
55 4.8 17.8 26.6#
61 8.4 18.9 28.3#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.841 min Scan# 1834
Delta R.T. -0.100 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Tgt Ion: 83 Resp: 790
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 0.0 32.9 98.6#

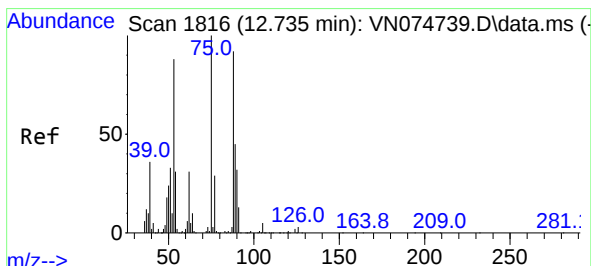
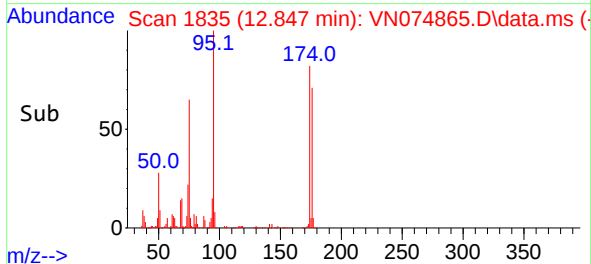
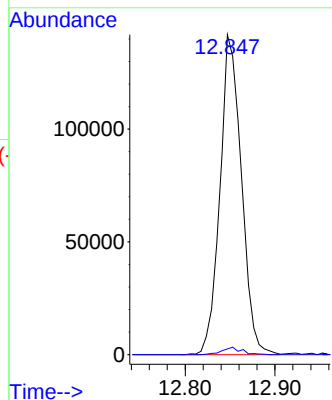
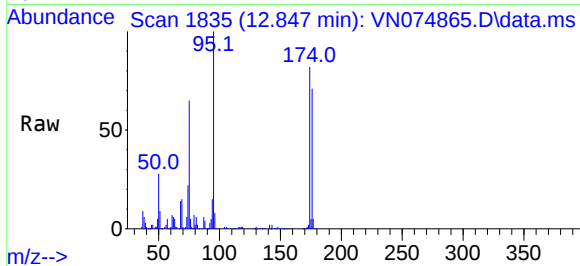




#76
1,2,3-Trichloropropane
Concen: 19.191 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

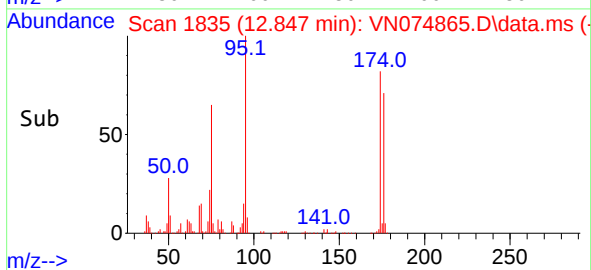
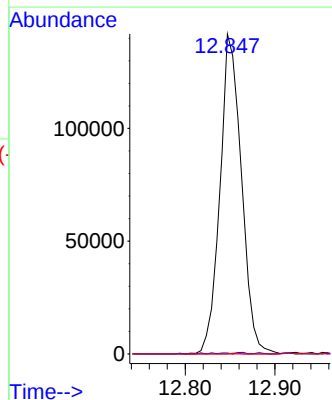
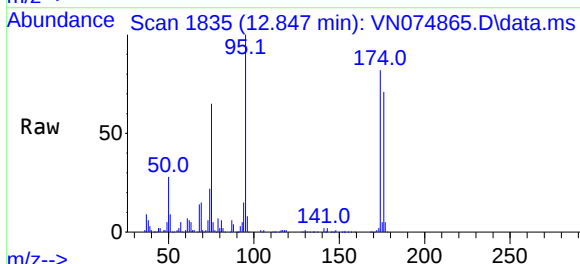
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#15

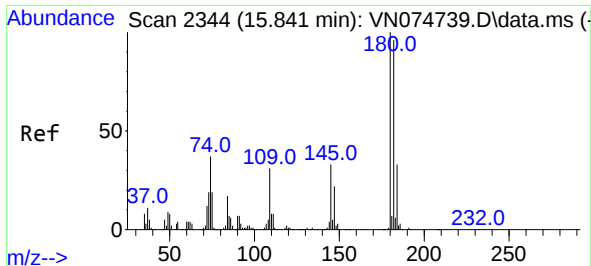
Tgt Ion: 75 Resp: 235795
Ion Ratio Lower Upper
75 100
77 2.1 76.9 230.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 37.390 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074865.D
Acq: 11 Oct 2022 22:39

Tgt Ion: 75 Resp: 235795
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.1 32.1 48.1#





#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 15.700 min Scan# 21

Delta R.T. -0.141 min

Lab File: VN074865.D

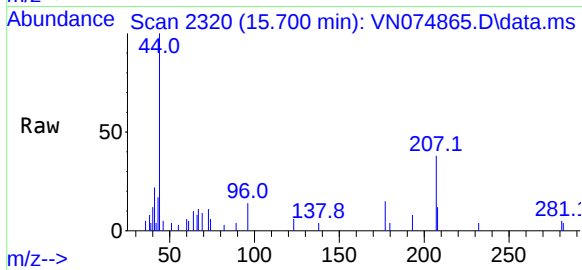
Acq: 11 Oct 2022 22:39

Instrument :

MSVOA_N

ClientSampleId :

PB148097ZHE#15



Tgt Ion:180 Resp: 62

Ion Ratio Lower Upper

180 100

182 0.0 47.3 142.0#

145 0.0 17.1 51.2#

