

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101122\
 Data File : VN074859.D
 Acq On : 11 Oct 2022 20:14
 Operator : JC\MD
 Sample : PB148255ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#08

Quant Time: Oct 12 03:58:41 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)

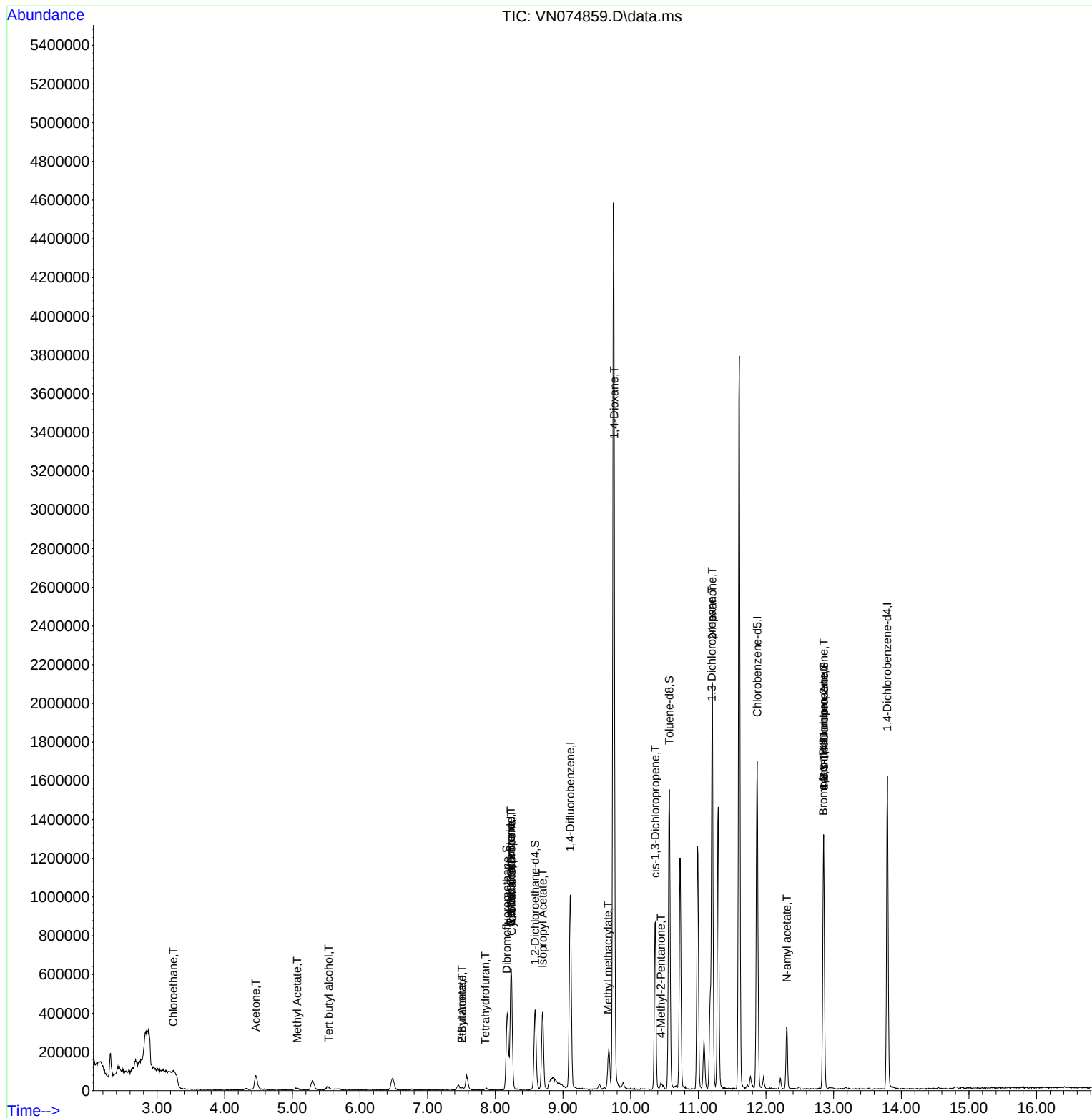
Internal Standards						
1) Pentafluorobenzene	8.230	168	439526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	863572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	927254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	394206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	308469	29.620	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	59.240%#		
35) Dibromofluoromethane	8.171	113	277454	31.799	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	63.600%#		
50) Toluene-d8	10.571	98	1044401	27.896	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	55.800%#		
62) 4-Bromofluorobenzene	12.853	95	386233	33.937	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	67.880%#		
Target Compounds						Qvalue
6) Chloroethane	3.242	64	52972	4.314	ug/l #	60
11) Tert butyl alcohol	5.536	59	1939	0.556	ug/l #	74
13) Acrolein	4.218	56	94	Below Cal	#	1
16) Acetone	4.459	43	140376	23.786	ug/l	94
18) Methyl Acetate	5.071	43	21584	0.988	ug/l #	76
20) Methylene Chloride	5.283	84	15841	Below Cal	#	77
25) 2-Butanone	7.506	43	15322	1.431	ug/l #	85
29) Tetrahydrofuran	7.853	42	3544	0.475	ug/l #	57
31) Cyclohexane	8.241	56	13235	0.735	ug/l #	42
36) 1,1-Dichloropropene	8.235	75	45481	3.220	ug/l #	50
37) Ethyl Acetate	7.506	43	15322	0.270	ug/l #	86
38) Carbon Tetrachloride	8.230	117	44506	3.342	ug/l #	18
43) Isopropyl Acetate	8.700	43	468933	13.396	ug/l #	91
48) Methyl methacrylate	9.665	41	13346	0.929	ug/l #	16
49) 1,4-Dioxane	9.759	88	174	0.559	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	39638	1.758	ug/l #	72
54) cis-1,3-Dichloropropene	10.365	75	149998	7.857	ug/l #	63
57) 1,3-Dichloropropane	11.200	76	20941	1.052	ug/l #	43
59) 2-Hexanone	11.206	43	257688	15.113	ug/l #	53
71) Bromoform	12.847	173	3454	0.437	ug/l #	29
74) N-amyl acetate	12.306	43	109668	4.782	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.870	83	600	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	229414	19.498	ug/l #	1
77) Bromobenzene	12.859	156	118	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	229414	37.989	ug/l #	14

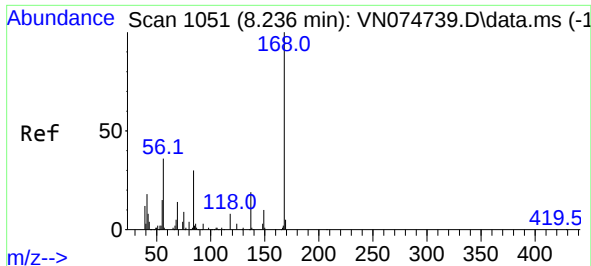
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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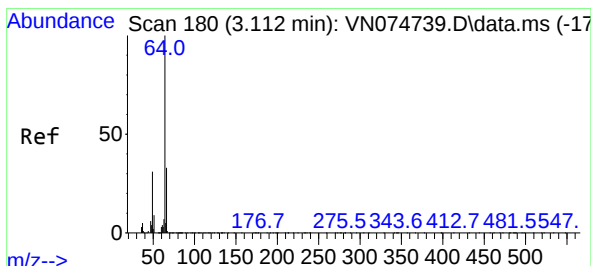
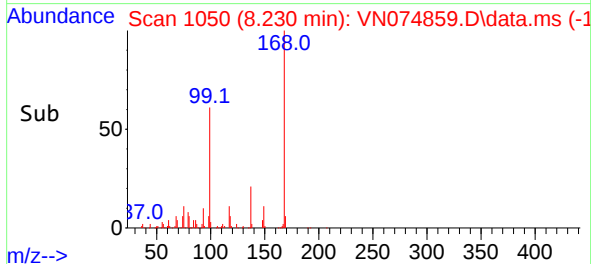
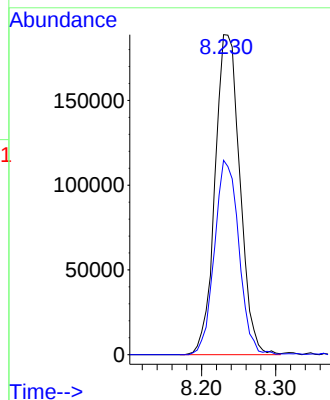
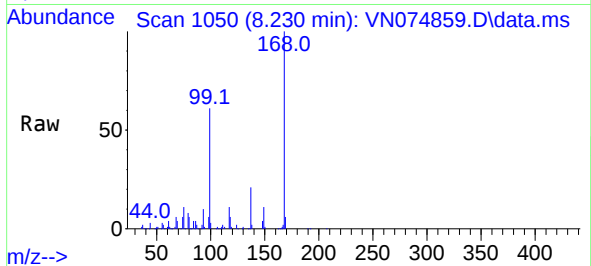




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

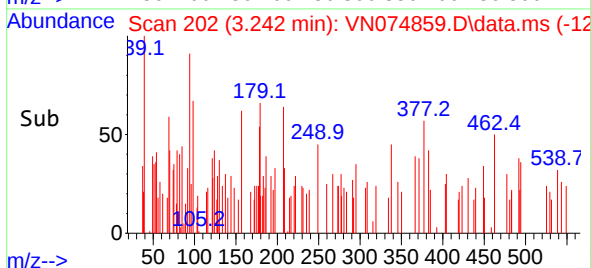
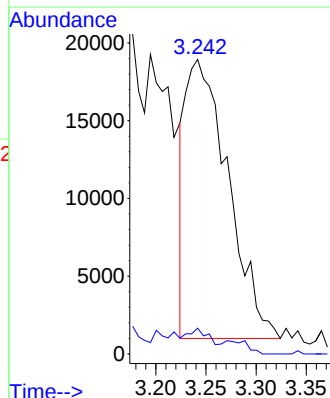
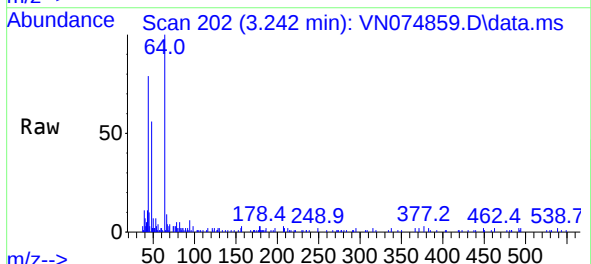
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#08

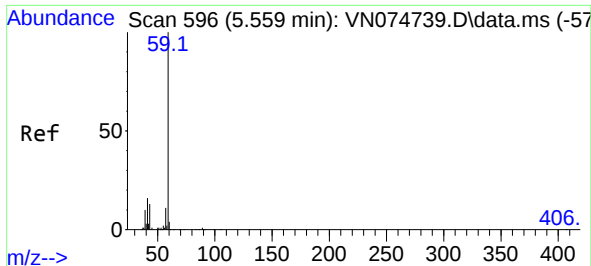
Tgt Ion:168 Resp: 439526
Ion Ratio Lower Upper
168 100
99 60.8 42.8 64.2



#6
Chloroethane
Concen: 4.314 ug/l
RT: 3.242 min Scan# 202
Delta R.T. 0.129 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

Tgt Ion: 64 Resp: 52972
Ion Ratio Lower Upper
64 100
66 9.2 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.556 ug/l

RT: 5.536 min Scan# 59

Delta R.T. -0.024 min

Lab File: VN074859.D

Acq: 11 Oct 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :

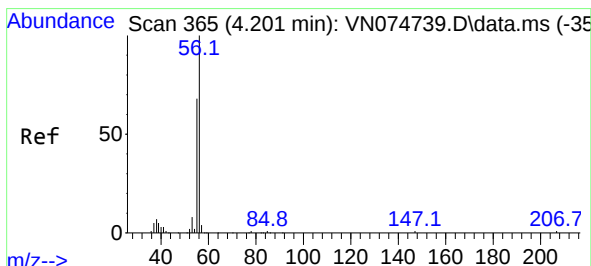
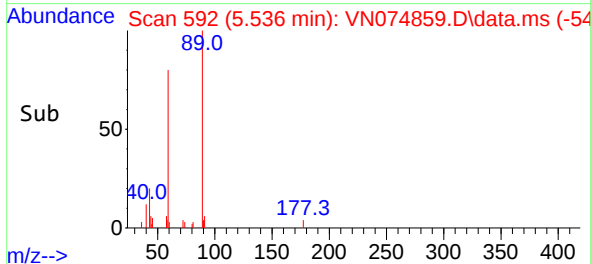
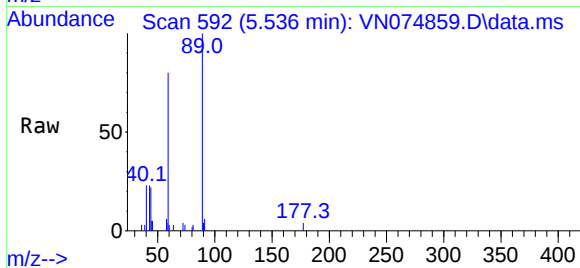
PB148255ZHE#08

Tgt Ion: 59 Resp: 1939

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#13

Acrolein

Concen: Below Cal

RT: 4.218 min Scan# 368

Delta R.T. 0.017 min

Lab File: VN074859.D

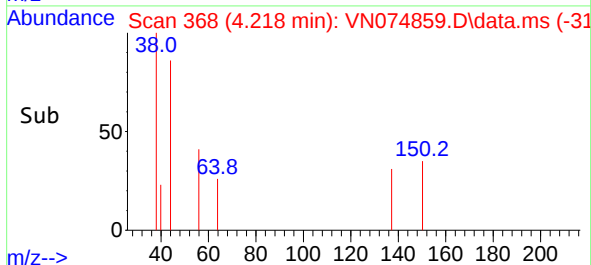
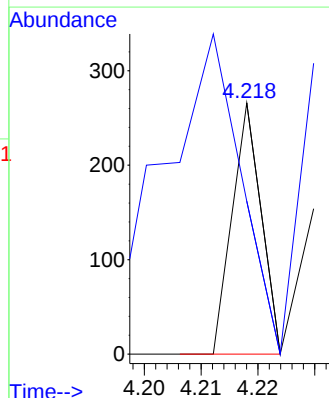
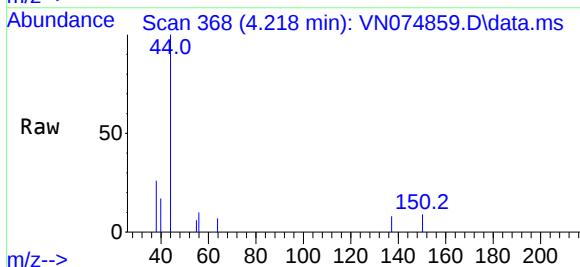
Acq: 11 Oct 2022 20:14

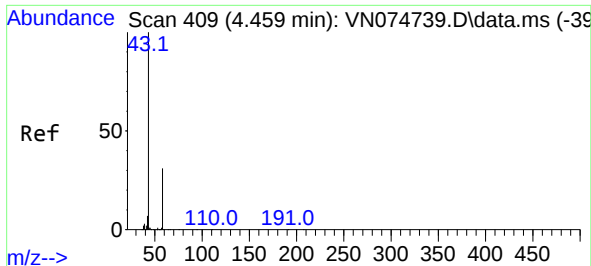
Tgt Ion: 56 Resp: 94

Ion Ratio Lower Upper

56 100

55 339.4 54.9 82.3#

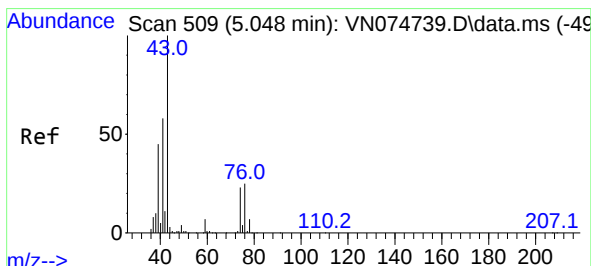
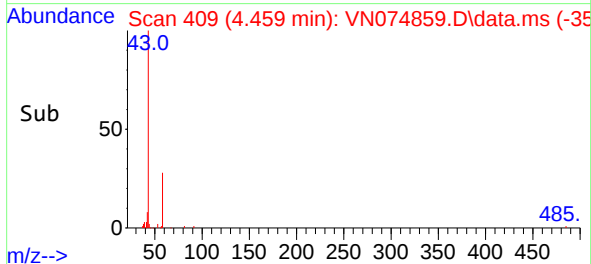
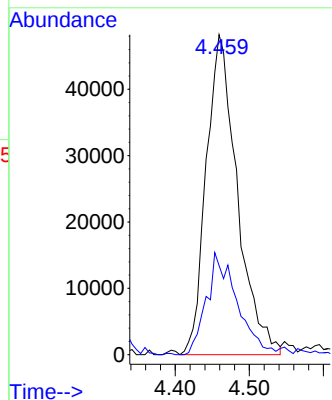
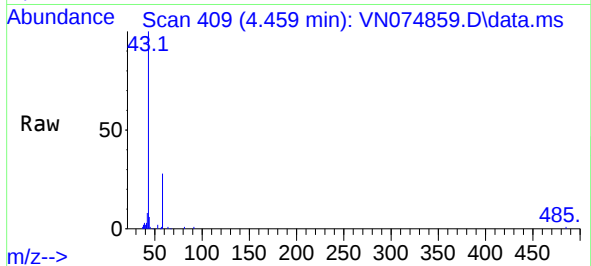




#16
Acetone
Concen: 23.786 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

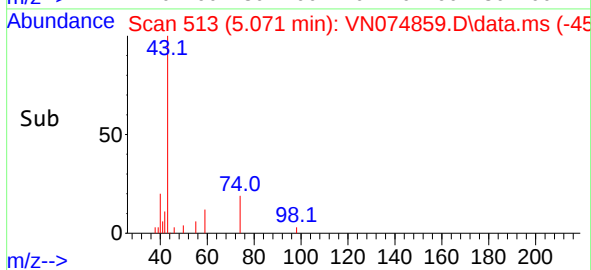
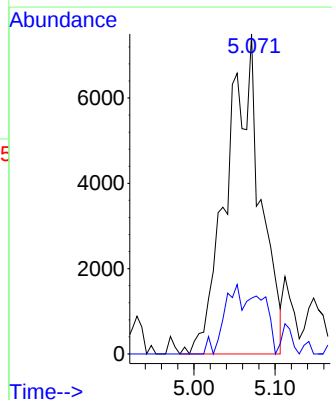
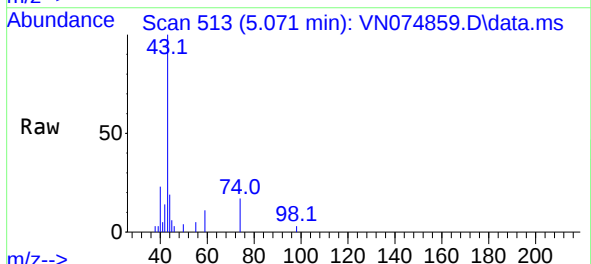
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#08

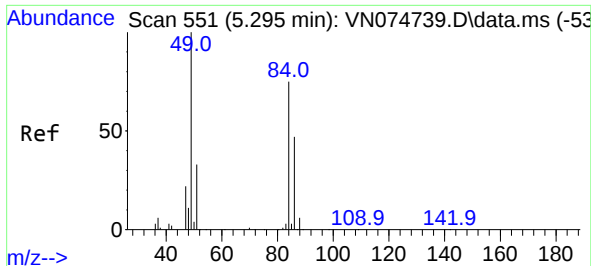
Tgt Ion: 43 Resp: 140376
Ion Ratio Lower Upper
43 100
58 27.9 24.9 37.3



#18
Methyl Acetate
Concen: 0.988 ug/l
RT: 5.071 min Scan# 513
Delta R.T. 0.023 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

Tgt Ion: 43 Resp: 21584
Ion Ratio Lower Upper
43 100
74 11.4 18.5 27.7#

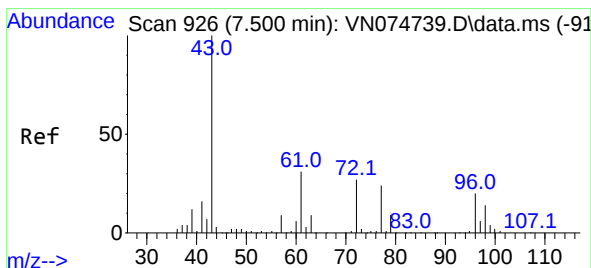
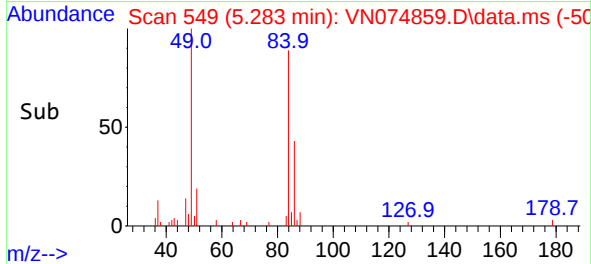
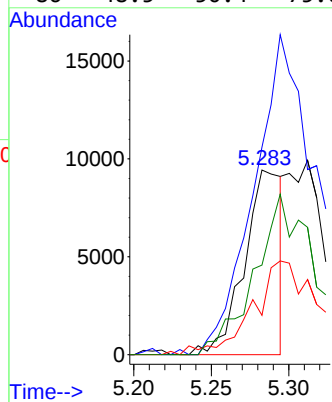
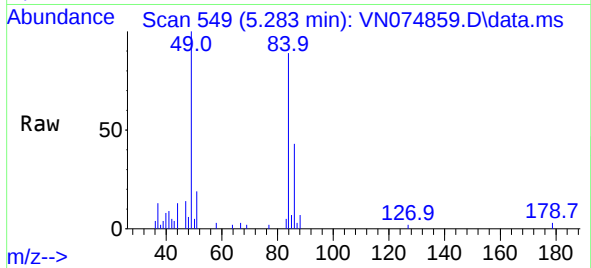




#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 54
Delta R.T. -0.012 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

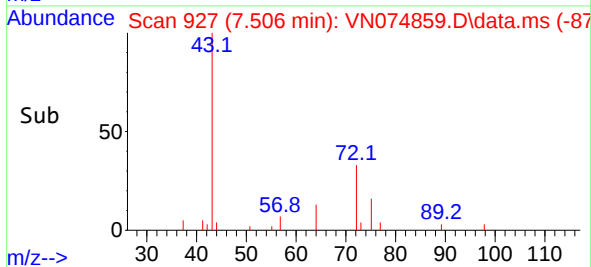
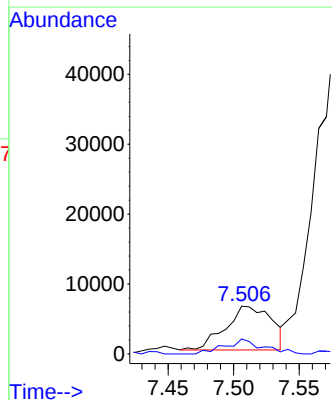
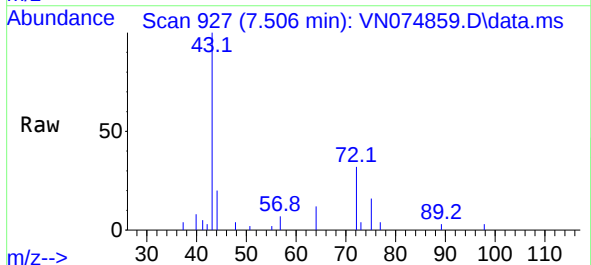
Instrument :
MSVOA_N
ClientSampleId :
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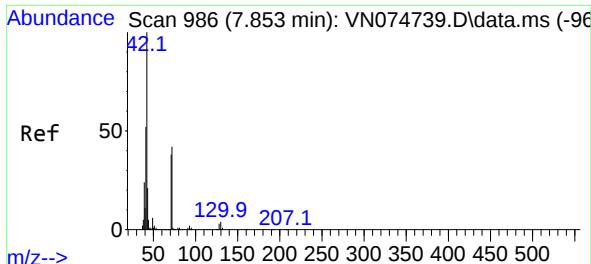
Tgt Ion: 84 Resp: 15841
Ion Ratio Lower Upper
84 100
49 109.6 107.4 161.0
51 21.3 35.1 52.7#
86 48.5 50.4 75.6#



#25
2-Butanone
Concen: 1.431 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.006 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

Tgt Ion: 43 Resp: 15322
Ion Ratio Lower Upper
43 100
72 34.5 21.4 32.0#

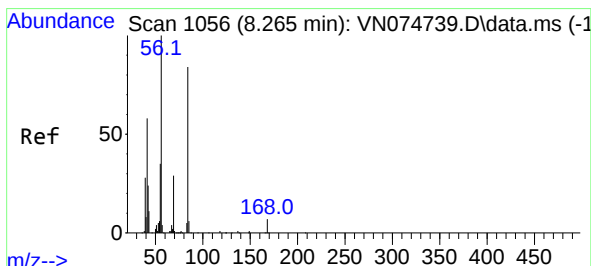
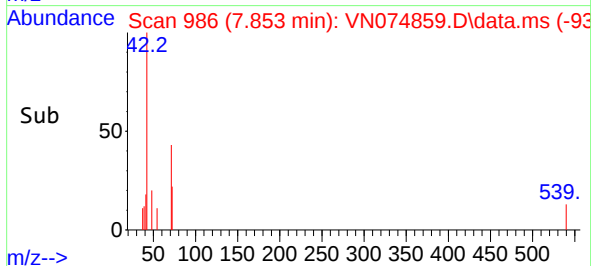
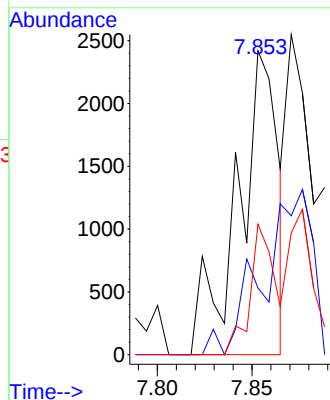
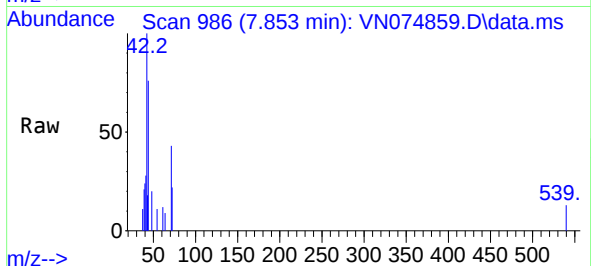




#29
Tetrahydrofuran
Concen: 0.475 ug/l
RT: 7.853 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

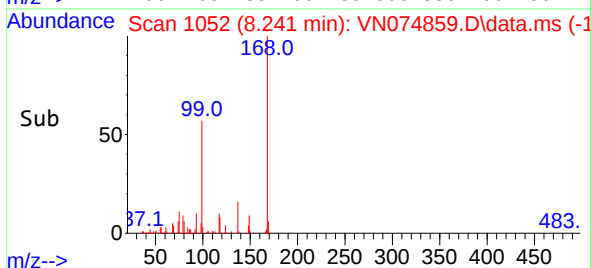
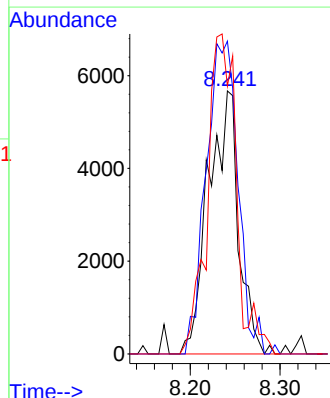
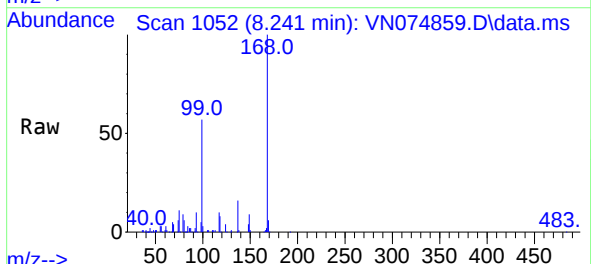
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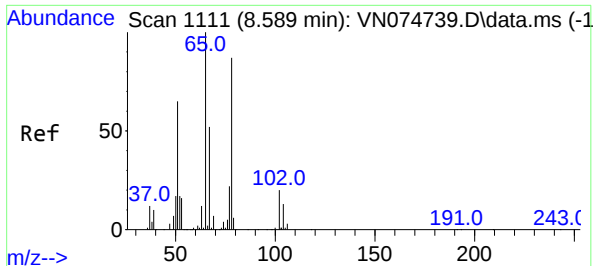
Tgt Ion: 42 Resp: 3544
Ion Ratio Lower Upper
42 100
72 0.0 33.0 49.6#
71 26.4 30.4 45.6#



#31
Cyclohexane
Concen: 0.735 ug/l
RT: 8.241 min Scan# 1052
Delta R.T. -0.024 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

Tgt Ion: 56 Resp: 13235
Ion Ratio Lower Upper
56 100
69 118.9 23.1 34.7#
84 101.8 67.1 100.7#

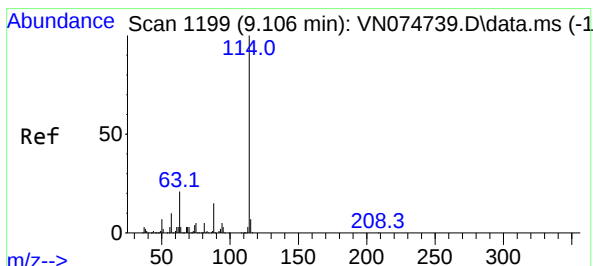
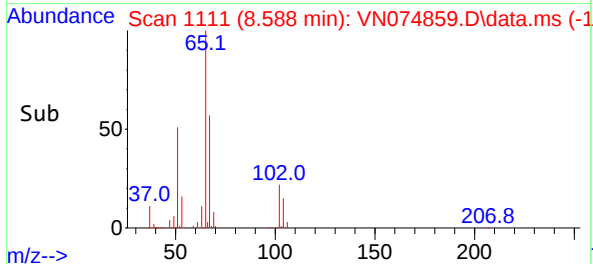
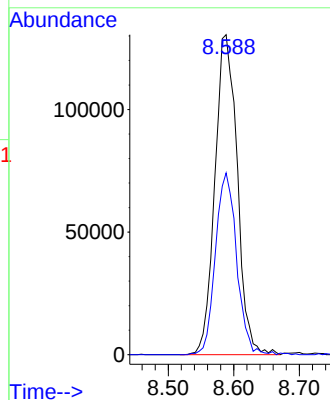
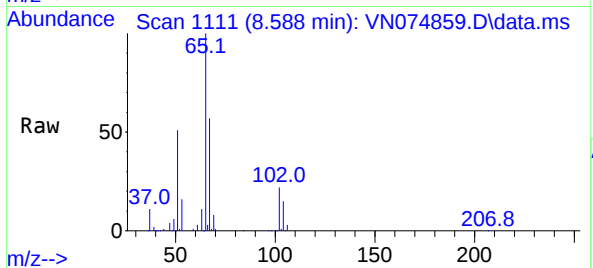




#33
1,2-Dichloroethane-d4
Concen: 29.620 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

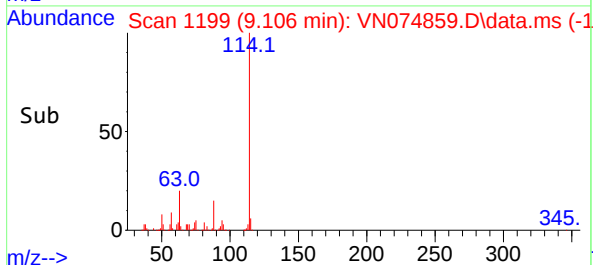
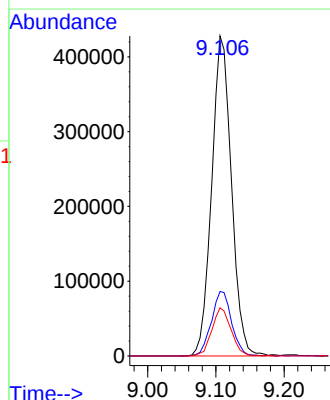
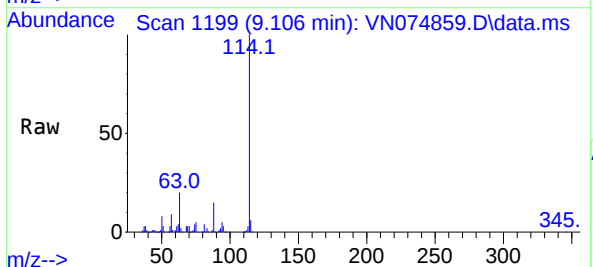
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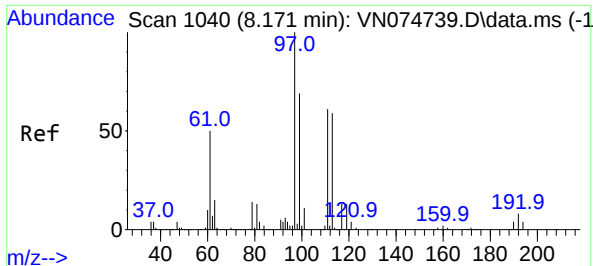
Tgt Ion: 65 Resp: 308469
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

Tgt Ion:114 Resp: 863572
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.2
88 15.1 0.0 30.2

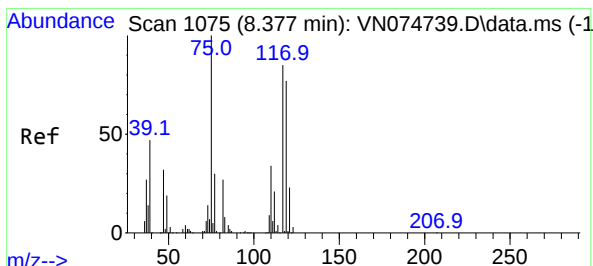
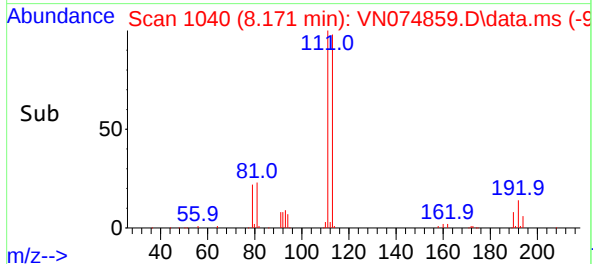
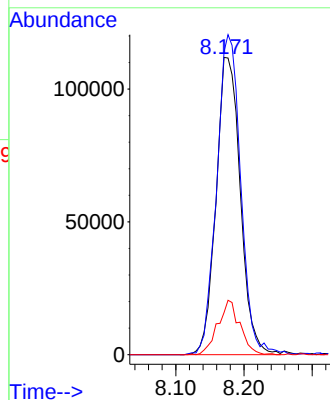
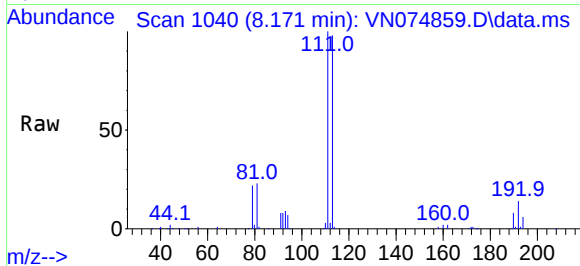




#35
Dibromofluoromethane
Concen: 31.799 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

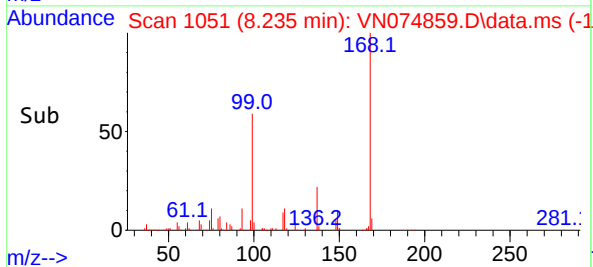
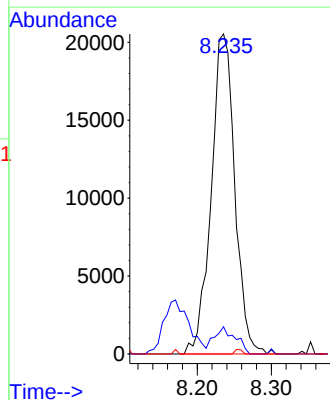
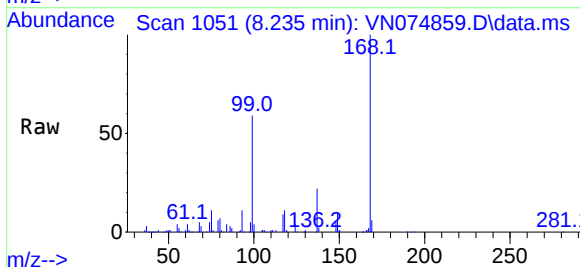
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PB148255ZHE#08

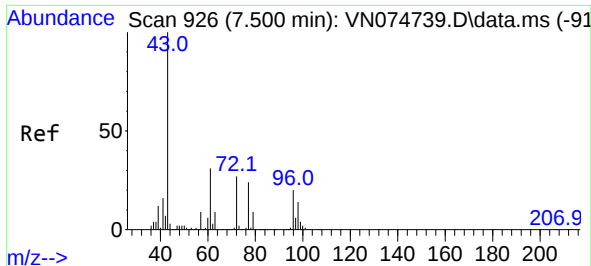
Tgt Ion:113 Resp: 277454
Ion Ratio Lower Upper
113 100
111 106.8 83.0 124.6
192 16.7 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.220 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

Tgt Ion: 75 Resp: 45481
Ion Ratio Lower Upper
75 100
110 7.6 17.2 51.5#
77 0.4 24.3 36.5#

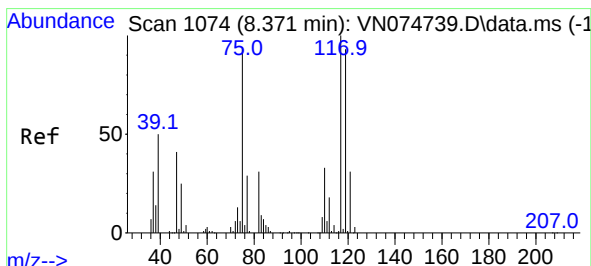
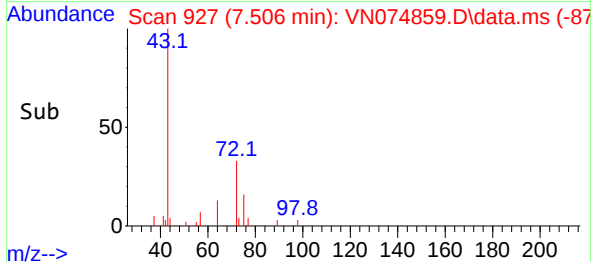
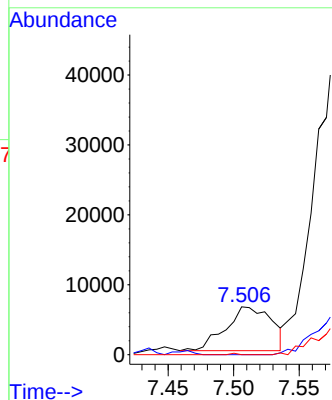
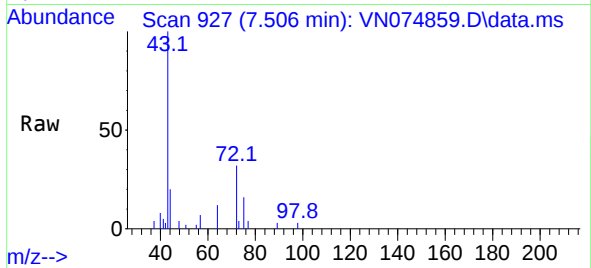




#37
Ethyl Acetate
Concen: 0.270 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

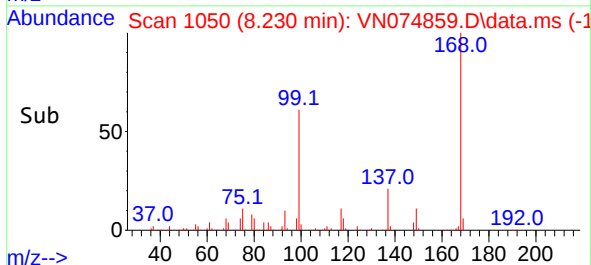
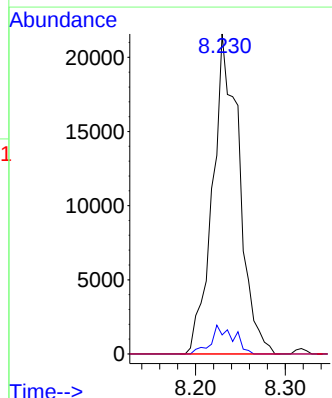
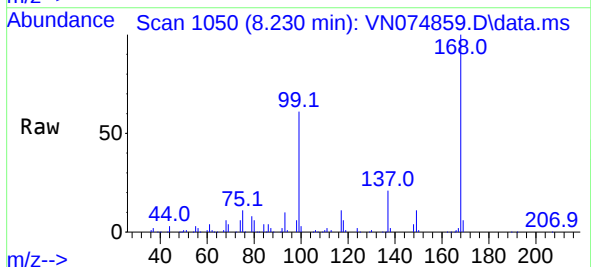
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#08

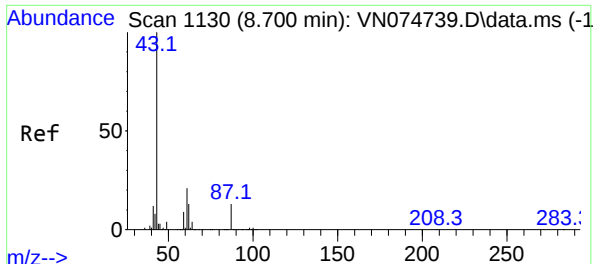
Tgt Ion: 43 Resp: 15322
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#



#38
Carbon Tetrachloride
Concen: 3.342 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

Tgt Ion: 117 Resp: 44506
Ion Ratio Lower Upper
117 100
119 5.9 74.3 111.5#
121 0.0 25.0 37.4#

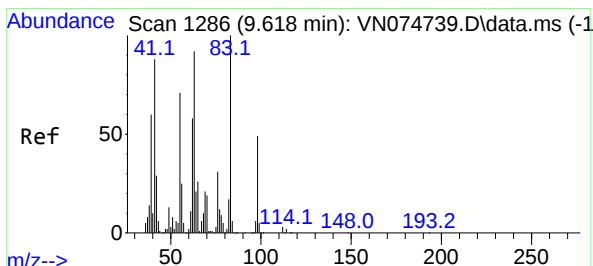
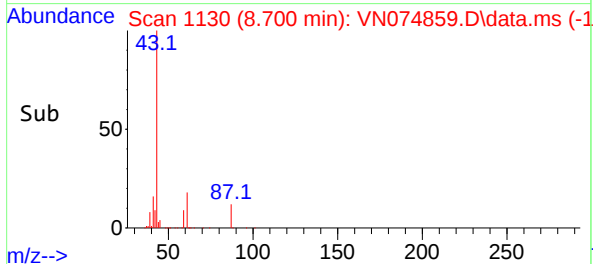
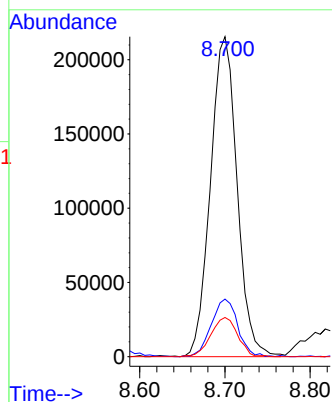
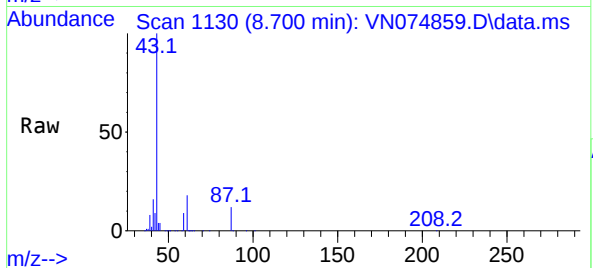




#43
Isopropyl Acetate
Concen: 13.396 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

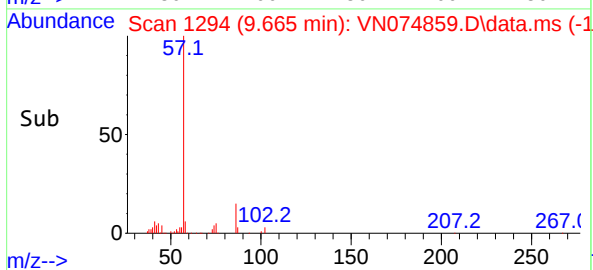
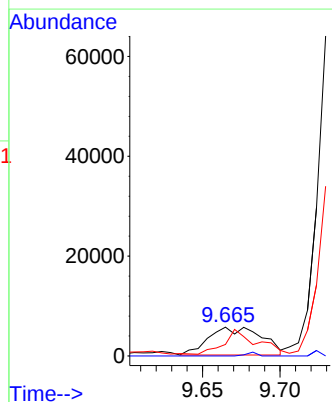
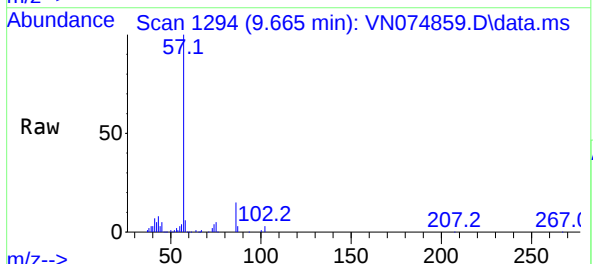
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#08

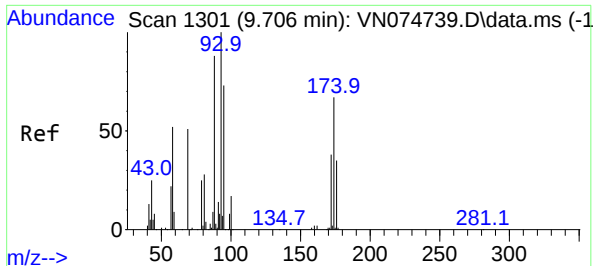
Tgt Ion: 43 Resp: 468933
Ion Ratio Lower Upper
43 100
61 17.8 19.4 29.0#
87 12.4 10.1 15.1



#48
Methyl methacrylate
Concen: 0.929 ug/l
RT: 9.665 min Scan# 1294
Delta R.T. 0.047 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

Tgt Ion: 41 Resp: 13346
Ion Ratio Lower Upper
41 100
69 2.7 0.0 0.0#
39 0.0 54.4 81.6#

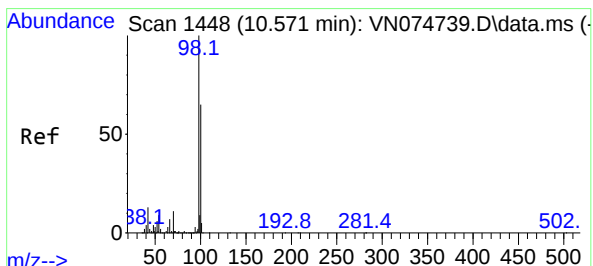
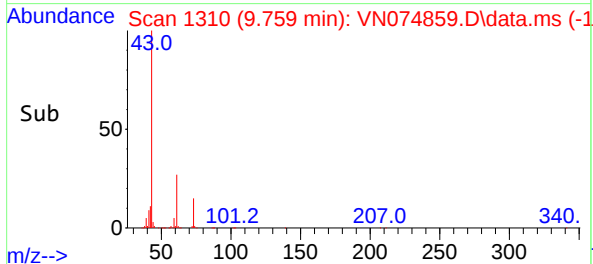
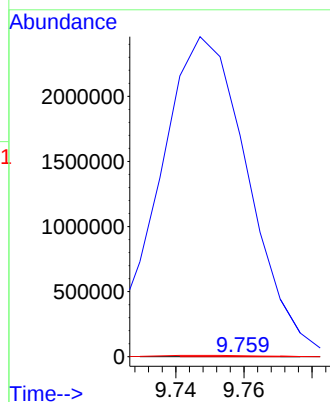
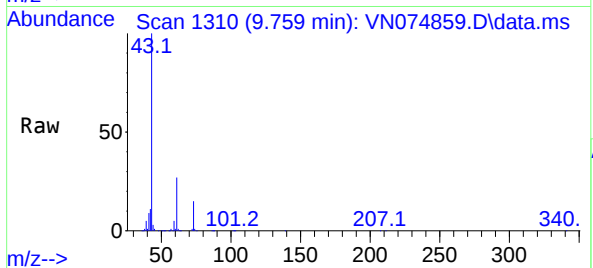




#49
1,4-Dioxane
Concen: 0.559 ug/l
RT: 9.759 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

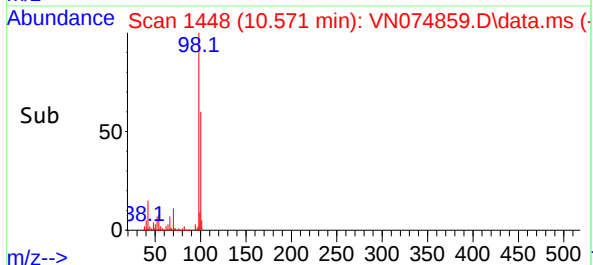
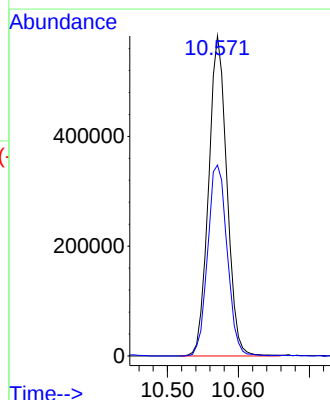
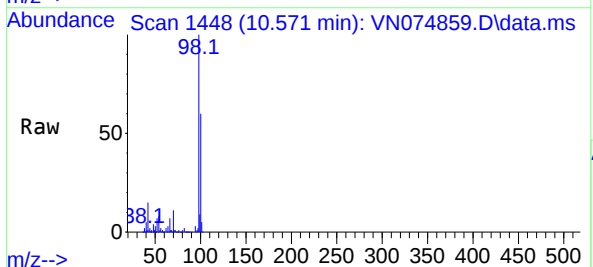
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#08

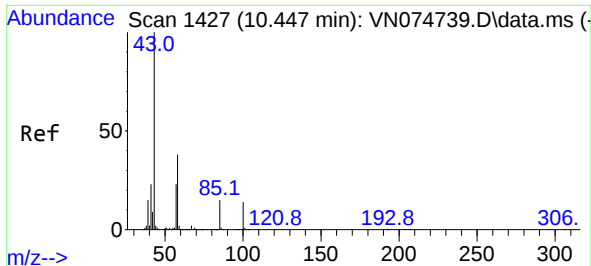
Tgt Ion: 88 Resp: 174
Ion Ratio Lower Upper
88 100
43 2617226.4 23.4 35.2#
58 11428.7 54.9 82.3#



#50
Toluene-d8
Concen: 27.896 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

Tgt Ion: 98 Resp: 1044401
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1

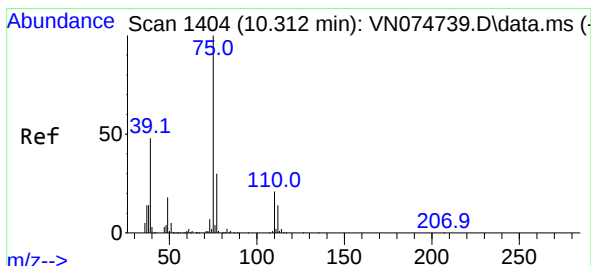
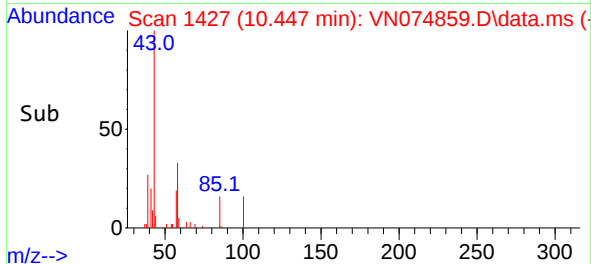
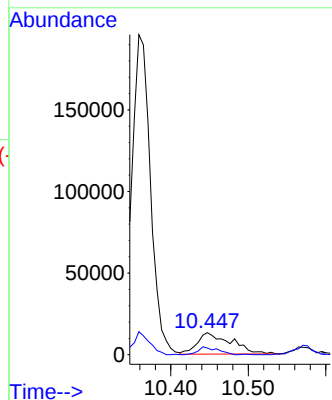
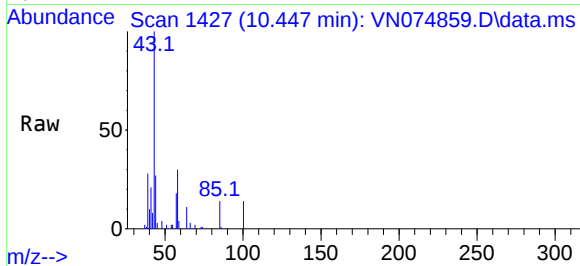




#51
4-Methyl-2-Pentanone
Concen: 1.758 ug/l
RT: 10.447 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

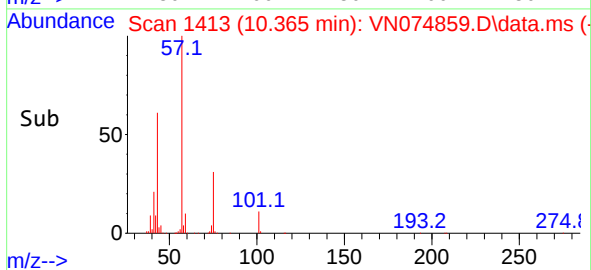
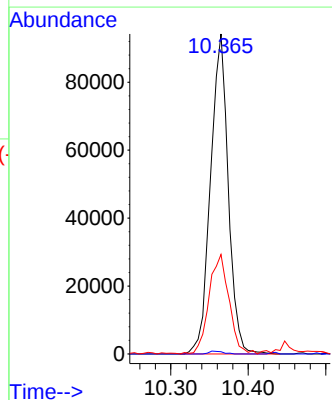
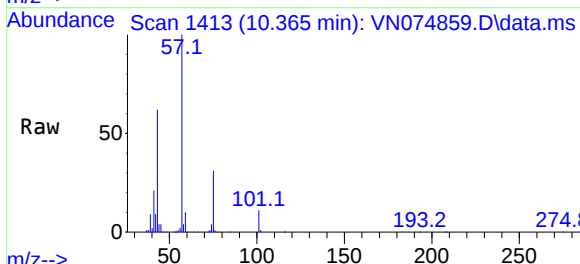
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#08

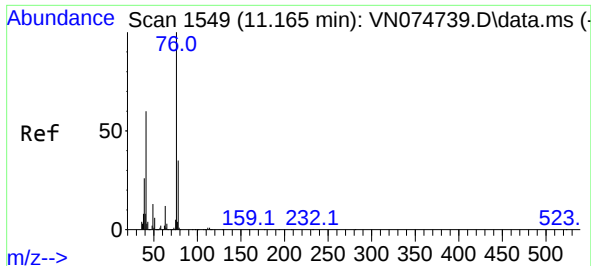
Tgt Ion: 43 Resp: 39638
Ion Ratio Lower Upper
43 100
58 21.2 30.6 45.8#



#54
cis-1,3-Dichloropropene
Concen: 7.857 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.053 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

Tgt Ion: 75 Resp: 149998
Ion Ratio Lower Upper
75 100
77 0.7 24.4 36.6#
39 31.1 38.6 57.8#





#57

1,3-Dichloropropane

Concen: 1.052 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN074859.D

Acq: 11 Oct 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :

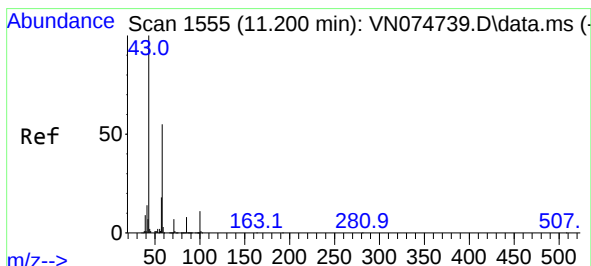
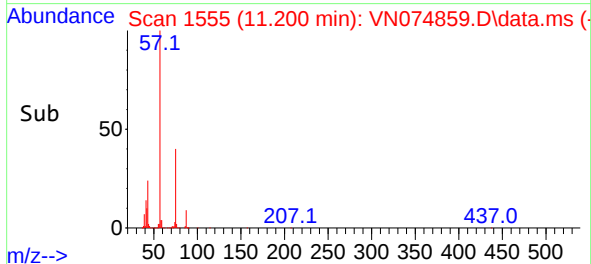
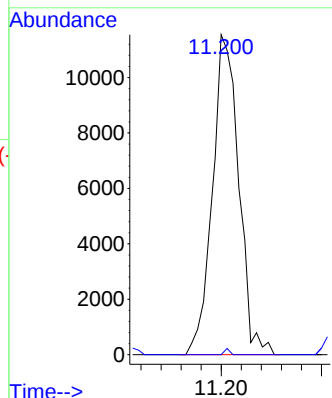
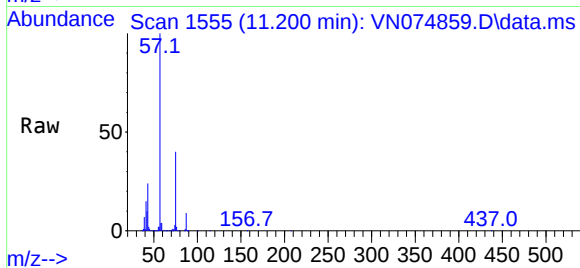
PB148255ZHE#08

Tgt Ion: 76 Resp: 20941

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.2#



#59

2-Hexanone

Concen: 15.113 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN074859.D

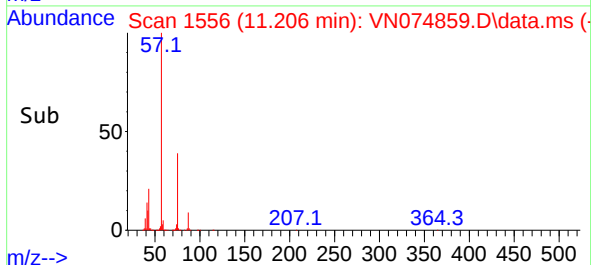
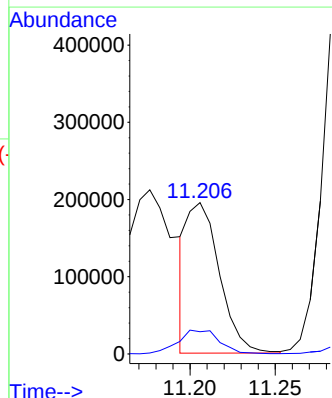
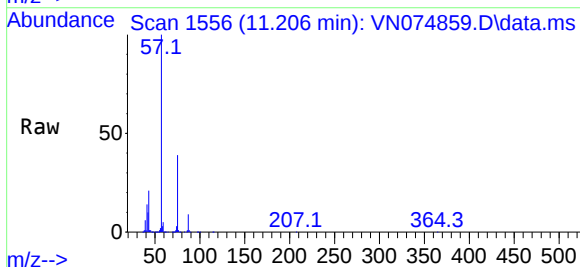
Acq: 11 Oct 2022 20:14

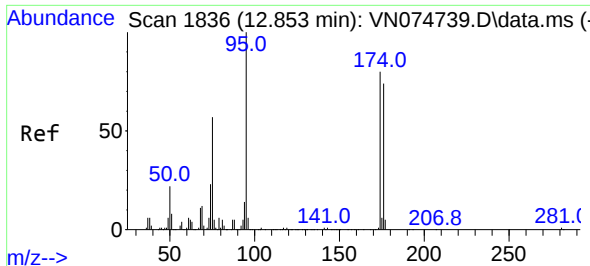
Tgt Ion: 43 Resp: 257688

Ion Ratio Lower Upper

43 100

58 20.6 27.3 81.9#

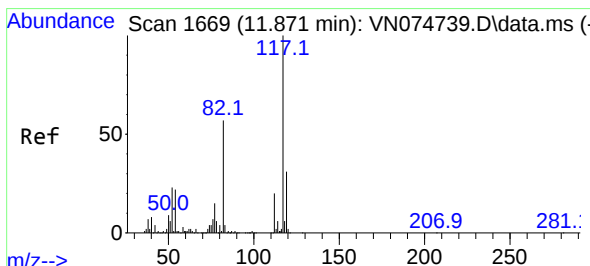
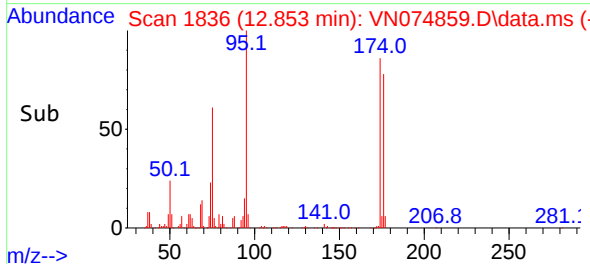
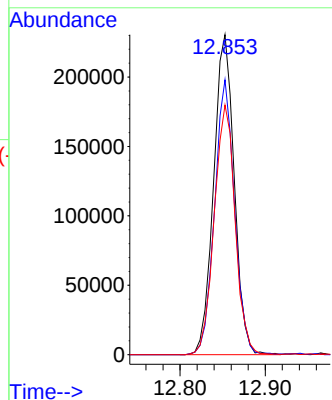
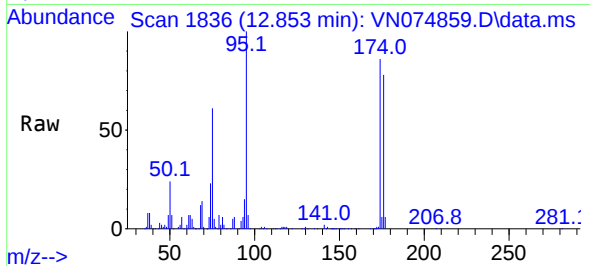




#62
4-Bromofluorobenzene
Concen: 33.937 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

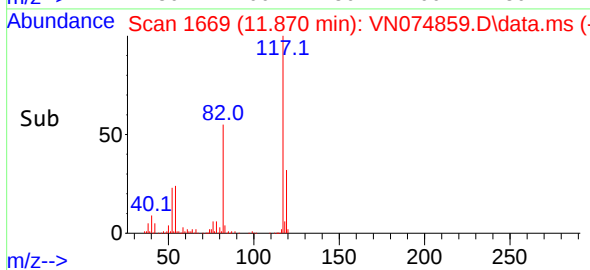
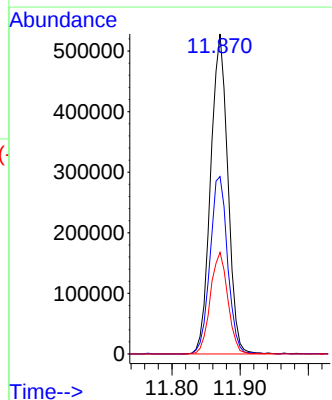
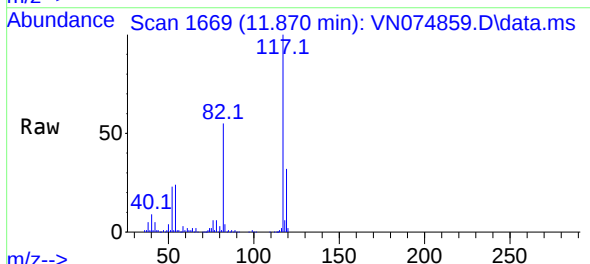
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#08

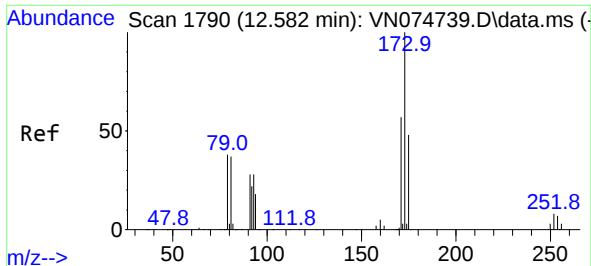
Tgt Ion: 95 Resp: 386233
Ion Ratio Lower Upper
95 100
174 83.4 0.0 149.4
176 79.3 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

Tgt Ion: 117 Resp: 927254
Ion Ratio Lower Upper
117 100
82 55.5 45.4 68.2
119 31.8 25.1 37.7

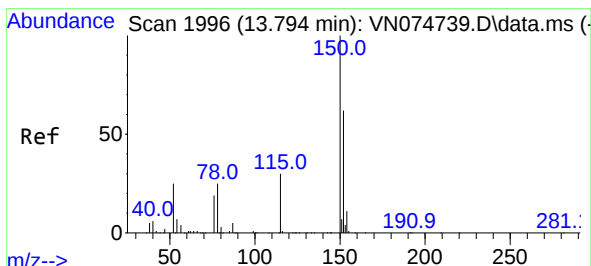
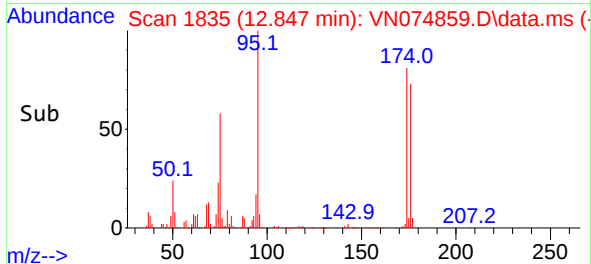
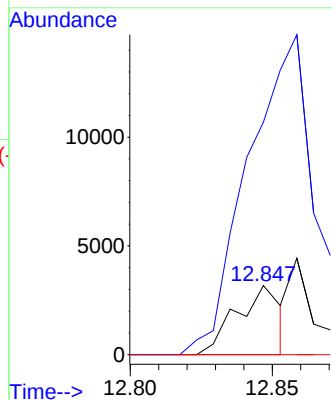
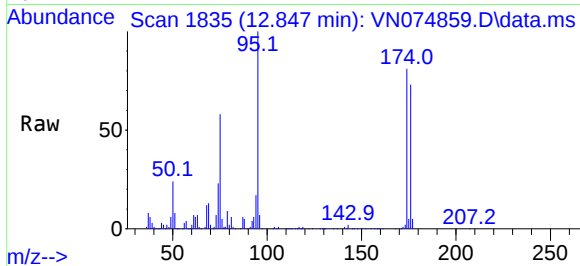




#71
Bromoform
Concen: 0.437 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.264 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

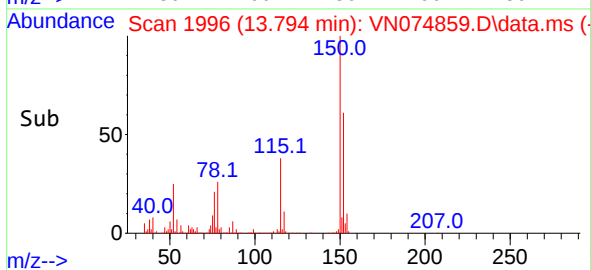
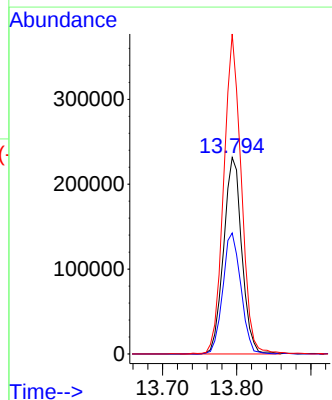
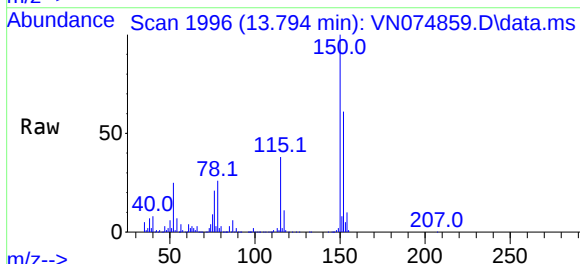
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#08

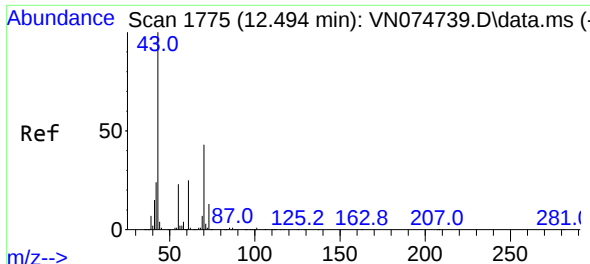
Tgt Ion:173 Resp: 3454
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

Tgt Ion:152 Resp: 394206
Ion Ratio Lower Upper
152 100
115 61.2 30.0 90.0
150 157.3 0.0 356.4

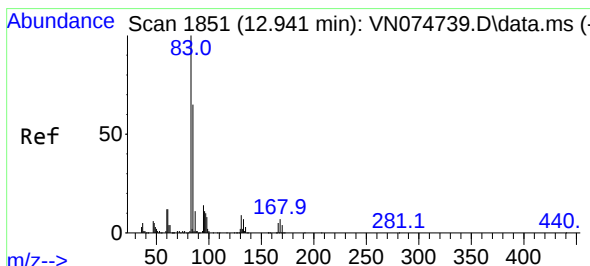
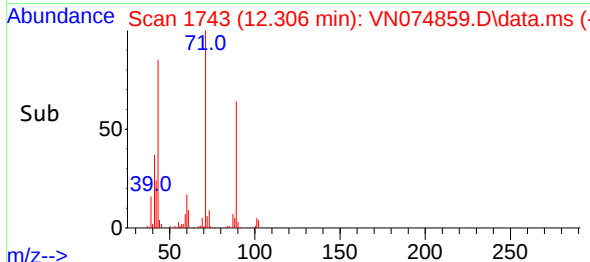
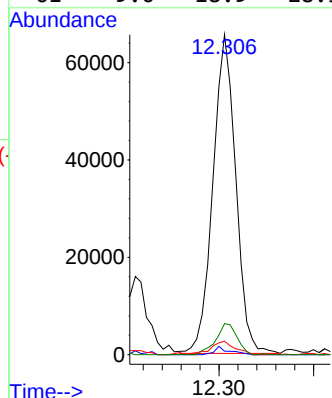
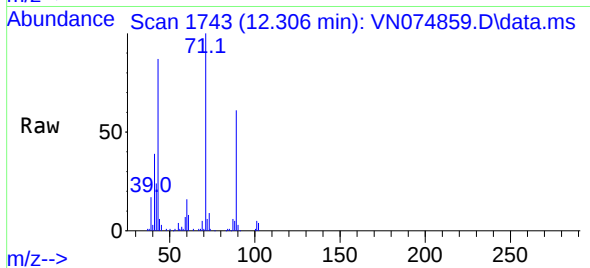




#74
N-amy1 acetate
Concen: 4.782 ug/l
RT: 12.306 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

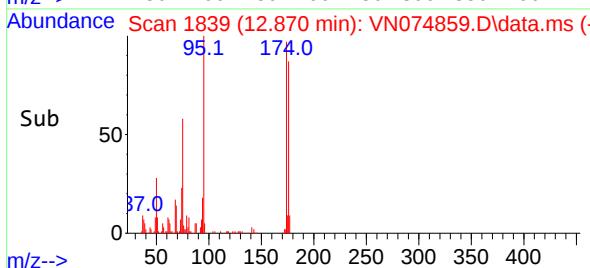
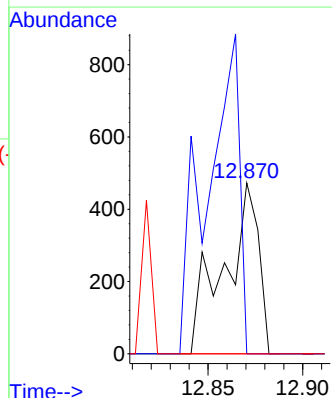
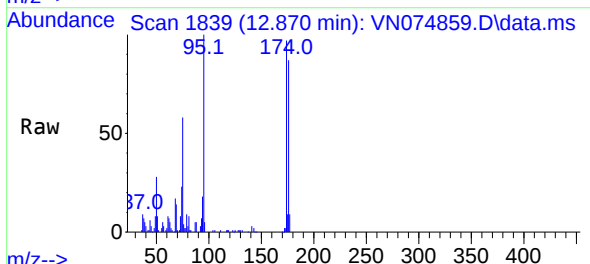
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#08

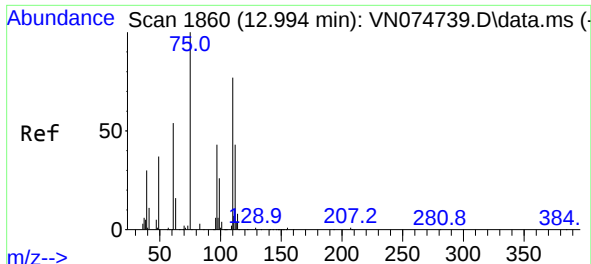
Tgt Ion: 43 Resp: 109668
Ion Ratio Lower Upper
43 100
70 1.6 32.9 49.3#
55 4.4 17.8 26.6#
61 9.0 18.9 28.3#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.870 min Scan# 1839
Delta R.T. -0.071 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

Tgt Ion: 83 Resp: 600
Ion Ratio Lower Upper
83 100
131 175.8 4.3 12.8#
85 0.0 32.9 98.6#

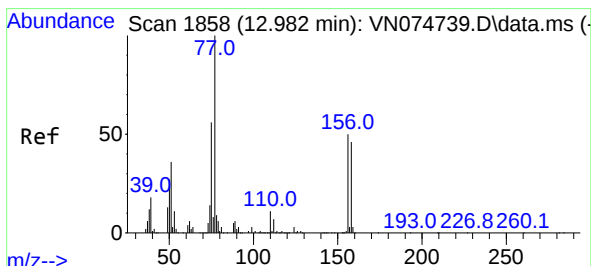
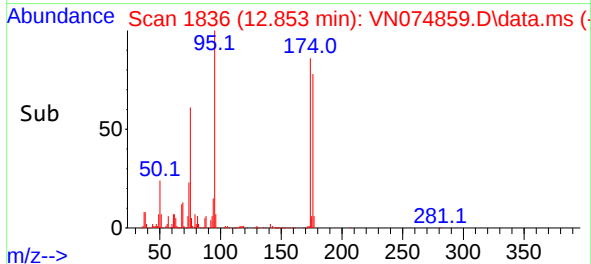
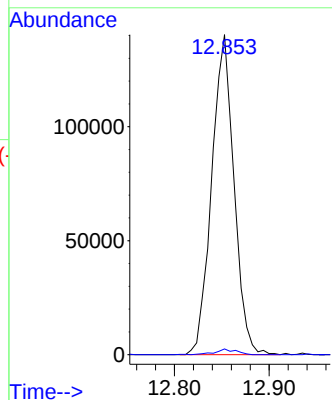
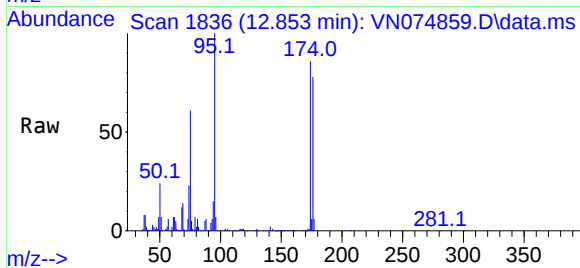




#76
1,2,3-Trichloropropane
Concen: 19.498 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

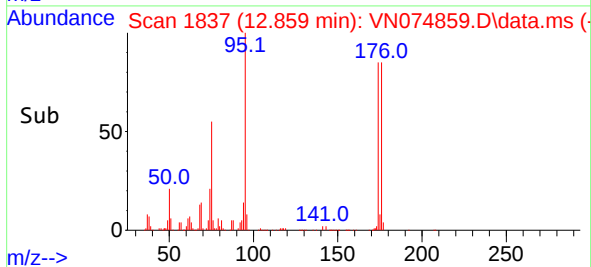
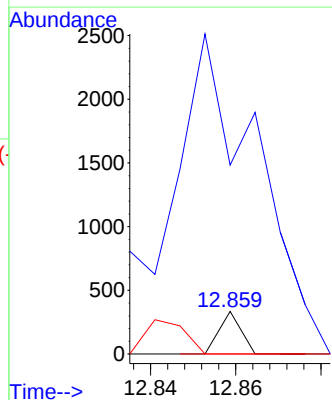
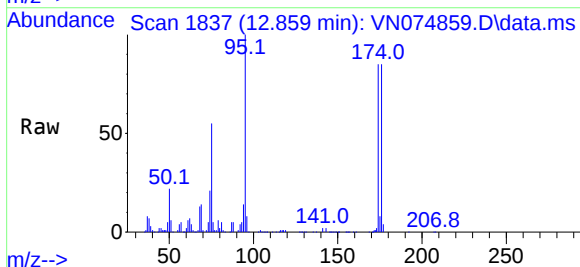
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#08

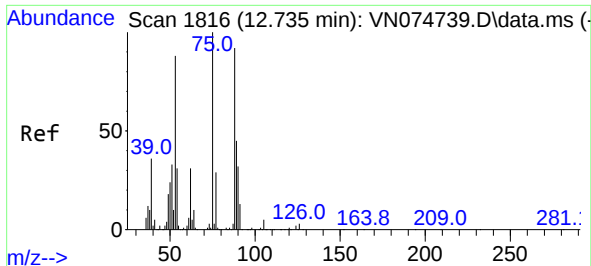
Tgt Ion: 75 Resp: 229414
Ion Ratio Lower Upper
75 100
77 1.7 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.859 min Scan# 1837
Delta R.T. -0.123 min
Lab File: VN074859.D
Acq: 11 Oct 2022 20:14

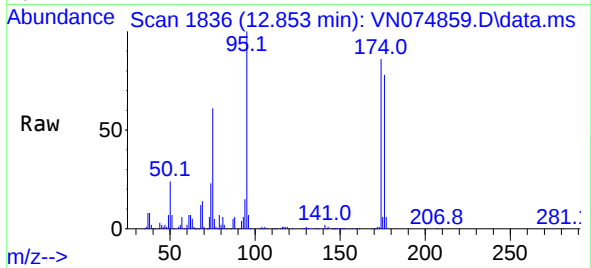
Tgt Ion:156 Resp: 118
Ion Ratio Lower Upper
156 100
77 3315.3 124.7 374.1#
158 146.6 48.3 144.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 37.989 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN074859.D
 Acq: 11 Oct 2022 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#08



Tgt Ion: 75 Resp: 229414
 Ion Ratio Lower Upper
 75 100
 53 0.3 71.4 107.0#
 89 0.0 32.1 48.1#

