

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100522\
 Data File : VN074766.D
 Acq On : 06 Oct 2022 02:51
 Operator : JC\MD
 Sample : PB148097ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148097ZHE#03

Quant Time: Oct 06 07:49:03 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)

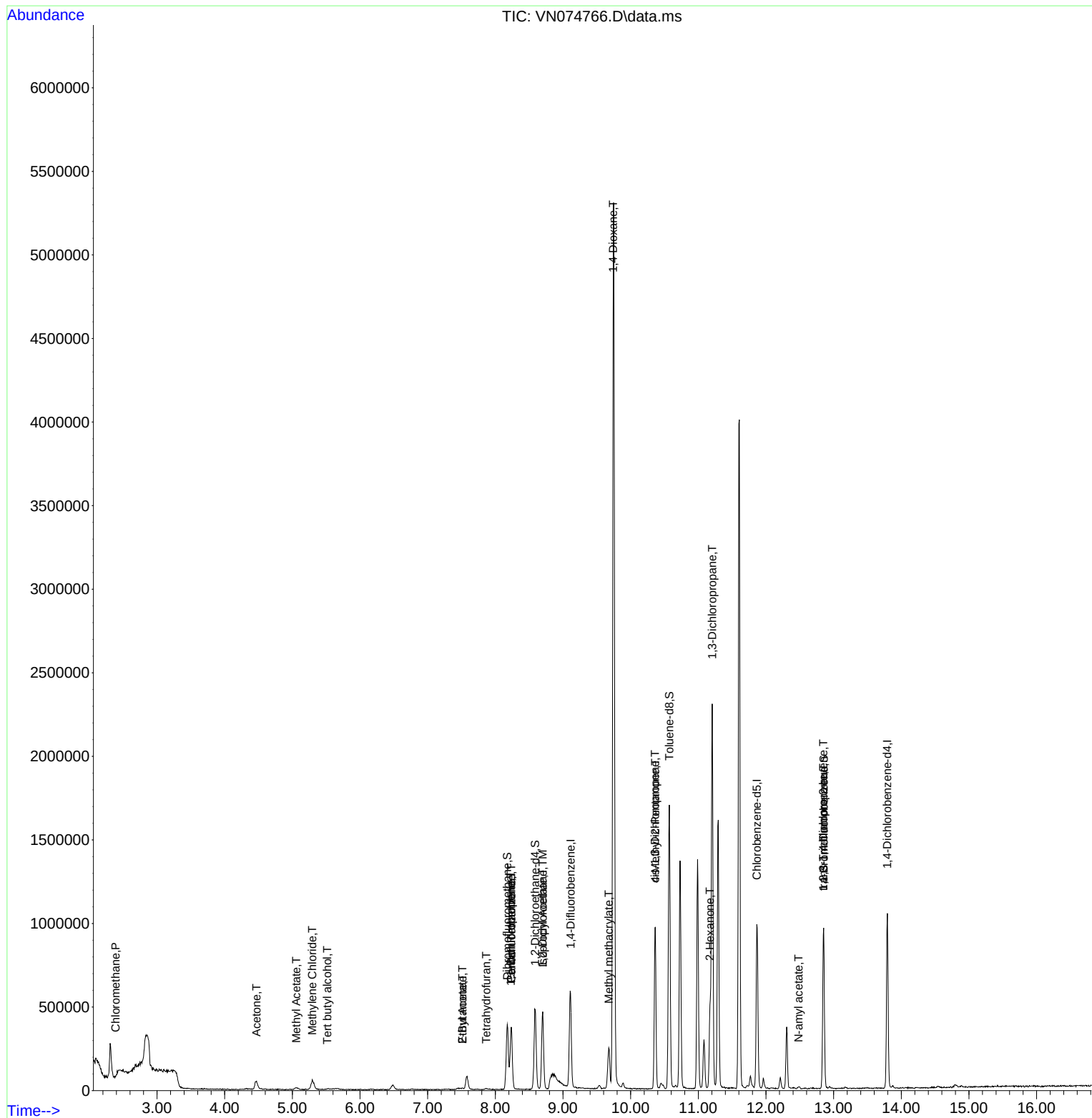
Internal Standards						
1) Pentafluorobenzene	8.235	168	260423	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.112	114	503683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	558319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	265766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	345752	56.033	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	=	112.060%	
35) Dibromofluoromethane	8.177	113	271773	53.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	=	106.800%	
50) Toluene-d8	10.570	98	1155050	52.896	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	=	105.800%	
62) 4-Bromofluorobenzene	12.853	95	309297	46.596	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	=	93.200%	
Target Compounds						Qvalue
3) Chloromethane	2.389	50	1969	0.248	ug/l	90
11) Tert butyl alcohol	5.518	59	532	0.257	ug/l #	28
13) Acrolein	4.218	56	660	Below Cal	#	22
16) Acetone	4.471	43	94374	26.988	ug/l	100
18) Methyl Acetate	5.059	43	24375	1.883	ug/l #	80
20) Methylene Chloride	5.294	84	39303	5.069	ug/l #	83
25) 2-Butanone	7.512	43	12709	2.003	ug/l	99
29) Tetrahydrofuran	7.865	42	7386	1.670	ug/l #	44
36) 1,1-Dichloropropene	8.229	75	26593	3.228	ug/l #	45
37) Ethyl Acetate	7.512	43	12709	0.385	ug/l #	86
38) Carbon Tetrachloride	8.235	117	27986	3.603	ug/l #	15
42) 1,2-Dichloroethane	8.700	62	3458	0.413	ug/l	91
43) Isopropyl Acetate	8.700	43	550262	26.950	ug/l #	92
48) Methyl methacrylate	9.676	41	16901	2.016	ug/l #	70
49) 1,4-Dioxane	9.741	88	688	3.787	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	392753	29.872	ug/l #	47
54) cis-1,3-Dichloropropene	10.359	75	170350	15.299	ug/l #	62
57) 1,3-Dichloropropane	11.206	76	23835	2.053	ug/l #	42
59) 2-Hexanone	11.170	43	414458	41.675	ug/l #	24
74) N-amyl acetate	12.482	43	4143	0.268	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.900	83	375	Below Cal	#	90
76) 1,2,3-Trichloropropane	12.847	75	181492	22.880	ug/l #	1
77) Bromobenzene	12.982	156	92	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	181492	44.578	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.853	180	77	Below Cal	#	12

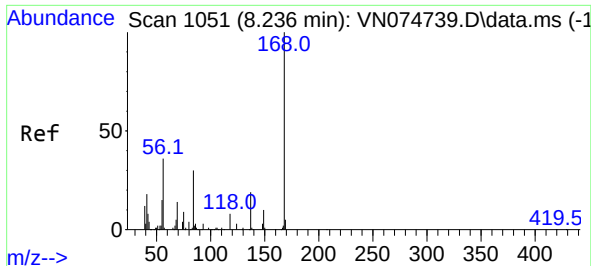
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 06 05:37:50 2022
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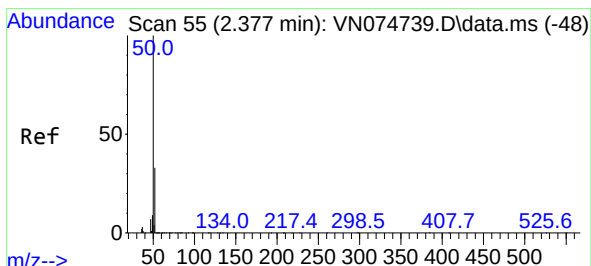
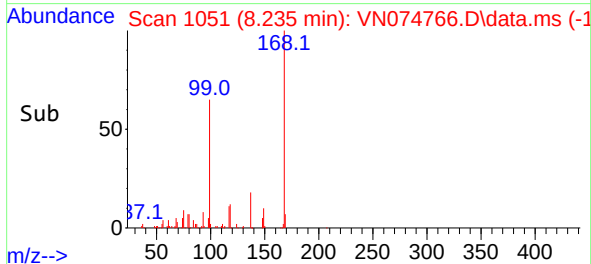
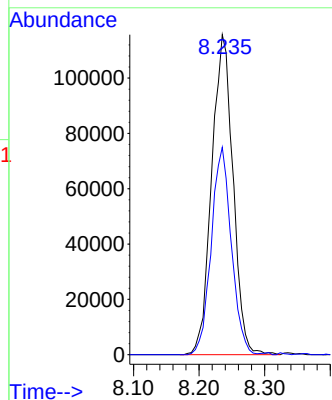
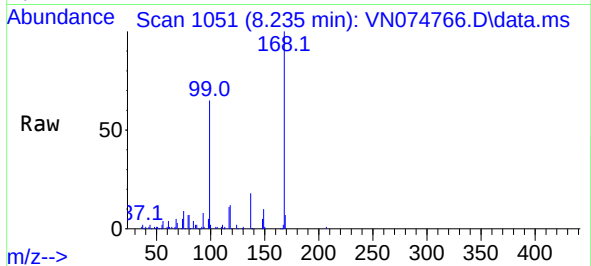




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

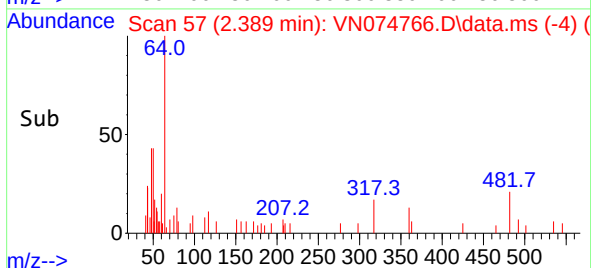
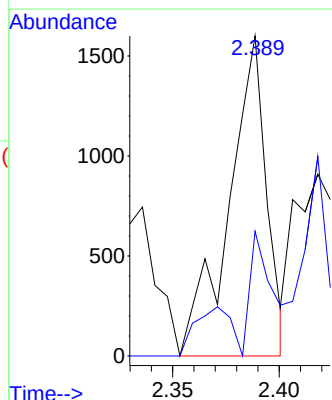
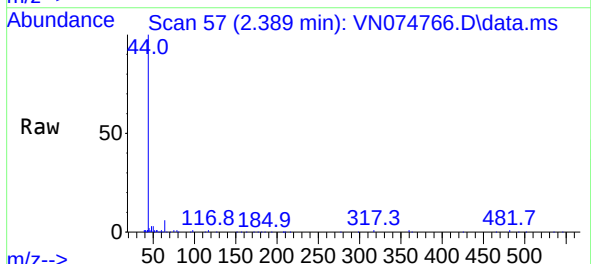
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#03

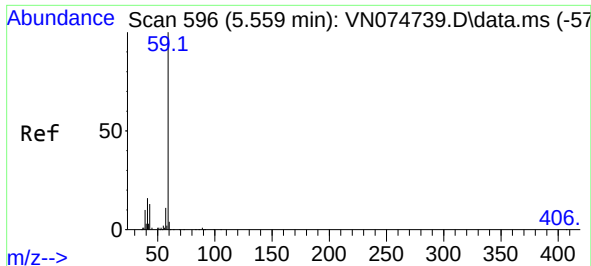
Tgt Ion:168 Resp: 260423
Ion Ratio Lower Upper
168 100
99 64.8 42.8 64.2#



#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.389 min Scan# 57
Delta R.T. 0.011 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

Tgt Ion: 50 Resp: 1969
Ion Ratio Lower Upper
50 100
52 38.9 26.7 40.1





#11

Tert butyl alcohol

Concen: 0.257 ug/l

RT: 5.518 min Scan# 51

Delta R.T. -0.041 min

Lab File: VN074766.D

Acq: 06 Oct 2022 02:51

Instrument :

MSVOA_N

ClientSampleId :

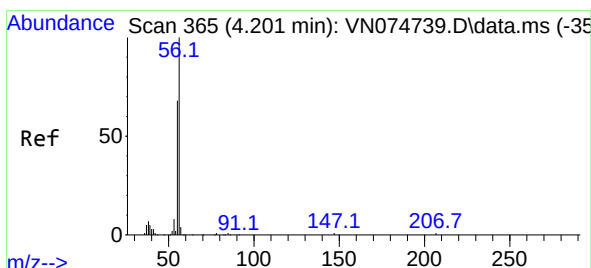
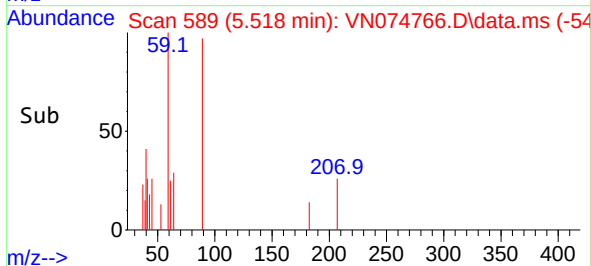
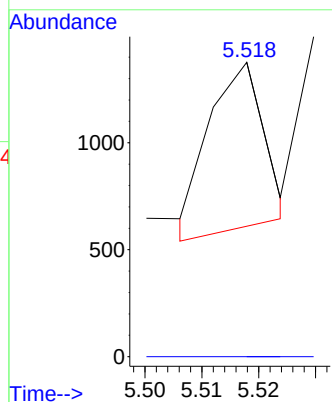
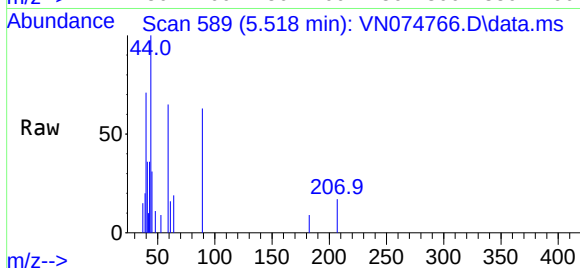
PB148097ZHE#03

Tgt Ion: 59 Resp: 532

Ion Ratio Lower Upper

59 100

57 36.1 7.7 11.5#



#13

Acrolein

Concen: Below Cal

RT: 4.218 min Scan# 368

Delta R.T. 0.017 min

Lab File: VN074766.D

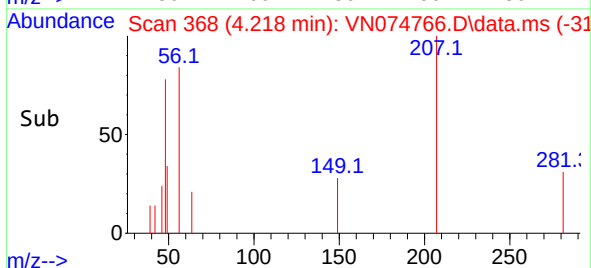
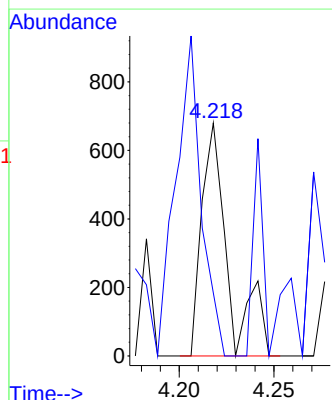
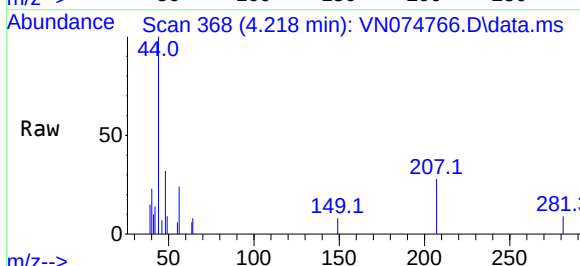
Acq: 06 Oct 2022 02:51

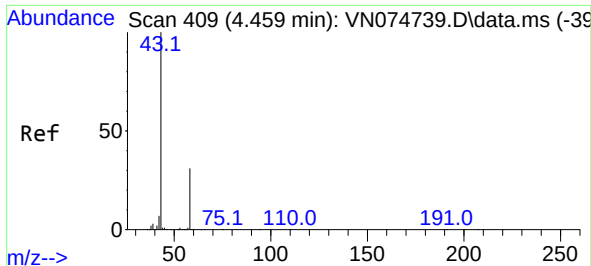
Tgt Ion: 56 Resp: 660

Ion Ratio Lower Upper

56 100

55 131.7 54.9 82.3#

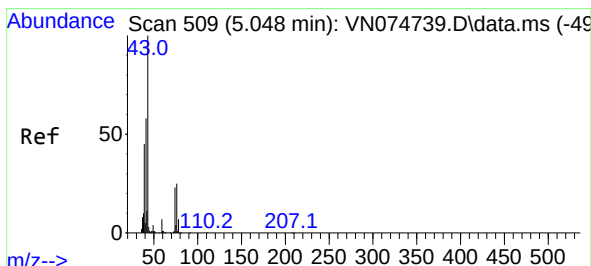
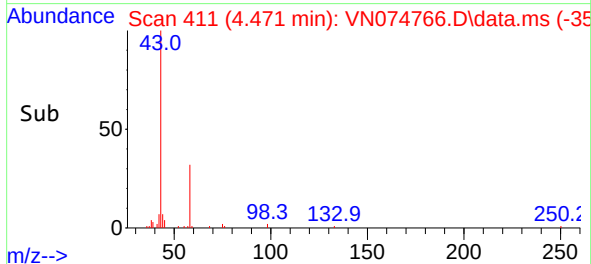
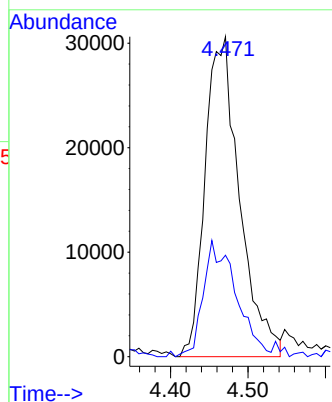
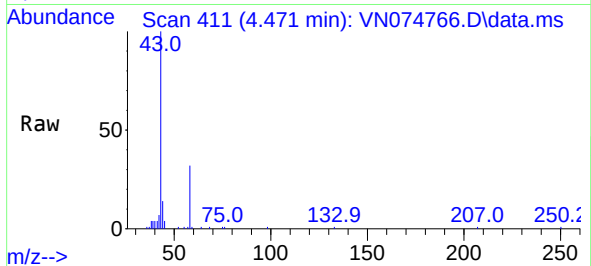




#16
Acetone
Concen: 26.988 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

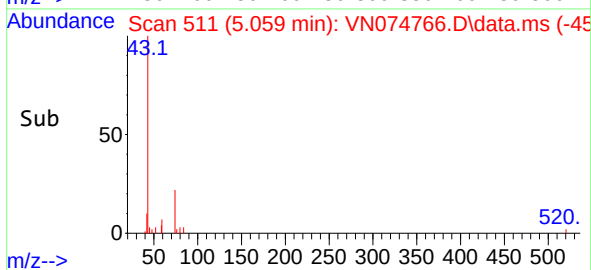
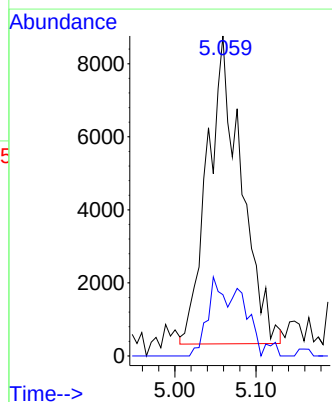
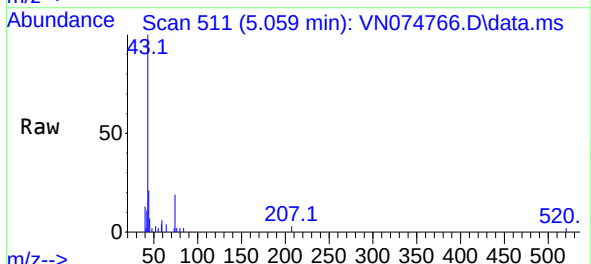
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#03

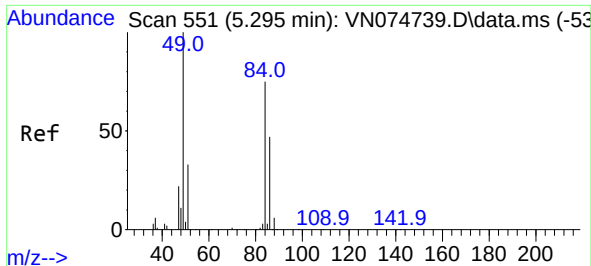
Tgt Ion: 43 Resp: 94374
Ion Ratio Lower Upper
43 100
58 30.9 24.9 37.3



#18
Methyl Acetate
Concen: 1.883 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

Tgt Ion: 43 Resp: 24375
Ion Ratio Lower Upper
43 100
74 13.4 18.5 27.7#

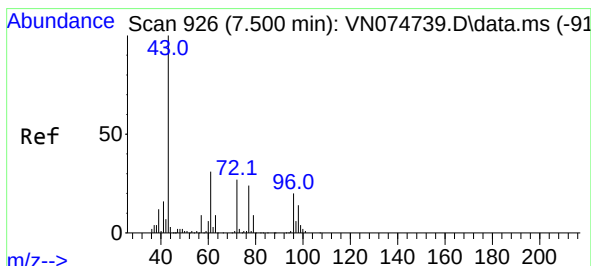
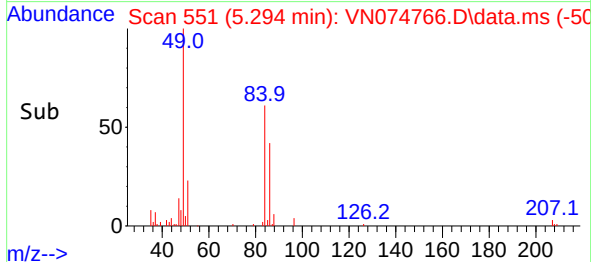
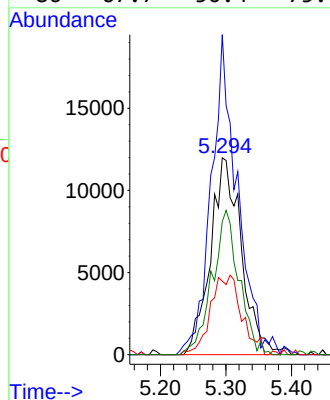
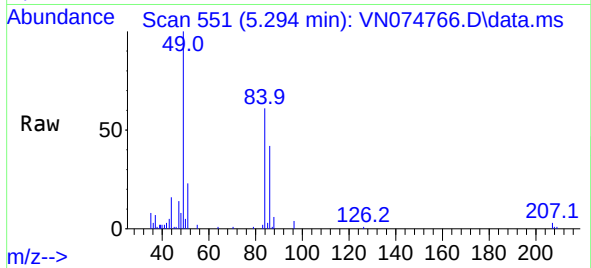




#20
Methylene Chloride
Concen: 5.069 ug/l
RT: 5.294 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

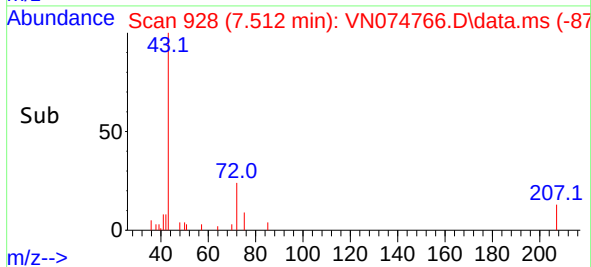
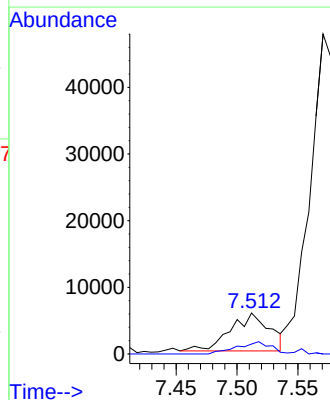
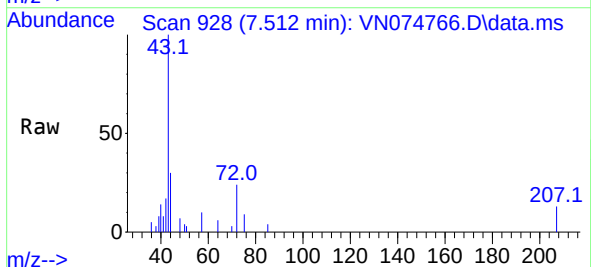
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#03

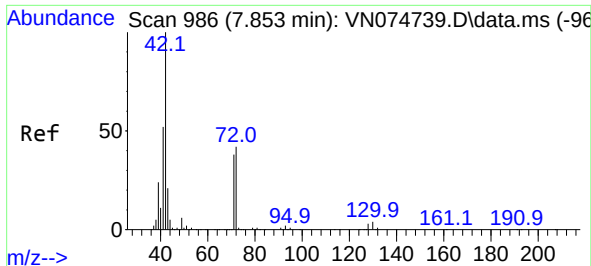
Tgt Ion: 84 Resp: 39303
Ion Ratio Lower Upper
84 100
49 162.7 107.4 161.0#
51 37.4 35.1 52.7
86 67.7 50.4 75.6



#25
2-Butanone
Concen: 2.003 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.012 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

Tgt Ion: 43 Resp: 12709
Ion Ratio Lower Upper
43 100
72 26.4 21.4 32.0

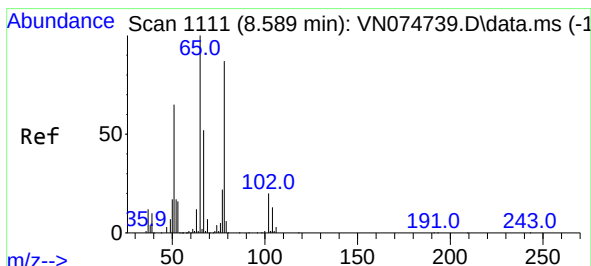
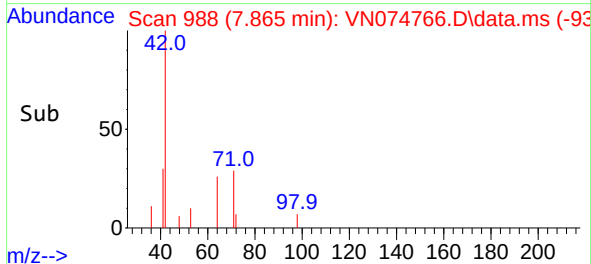
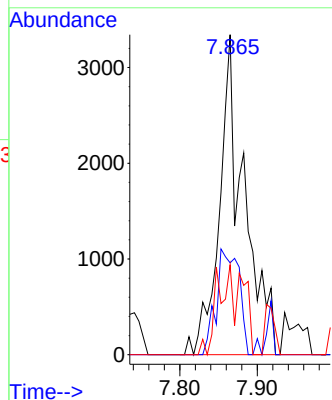
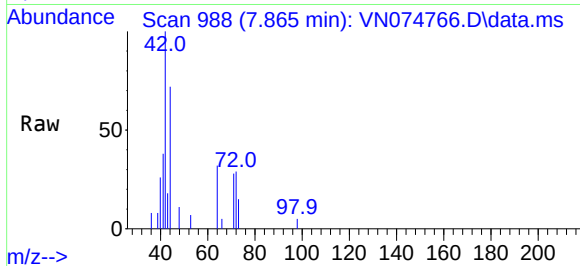




#29
Tetrahydrofuran
Concen: 1.670 ug/l
RT: 7.865 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

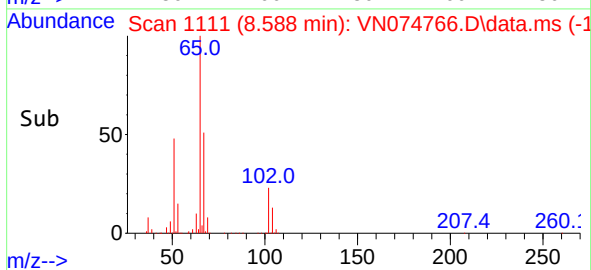
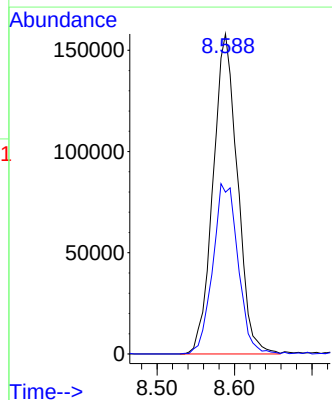
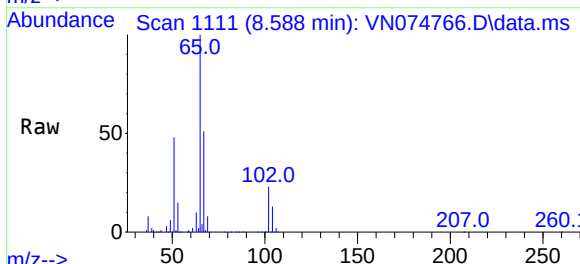
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#03

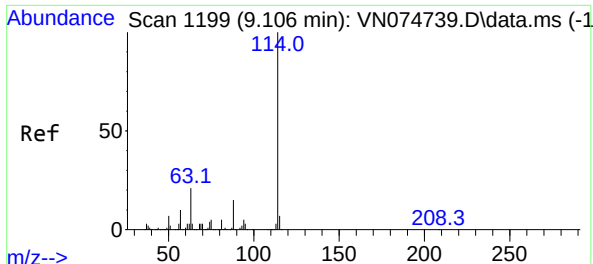
Tgt Ion: 42 Resp: 7386
Ion Ratio Lower Upper
42 100
72 0.0 33.0 49.6#
71 11.2 30.4 45.6#



#33
1,2-Dichloroethane-d4
Concen: 56.033 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

Tgt Ion: 65 Resp: 345752
Ion Ratio Lower Upper
65 100
67 55.1 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: VN074766.D

Acq: 06 Oct 2022 02:51

Instrument :

MSVOA_N

ClientSampleId :

PB148097ZHE#03

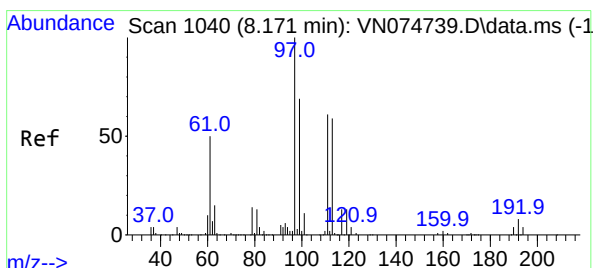
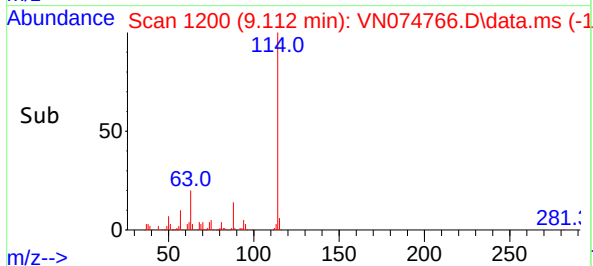
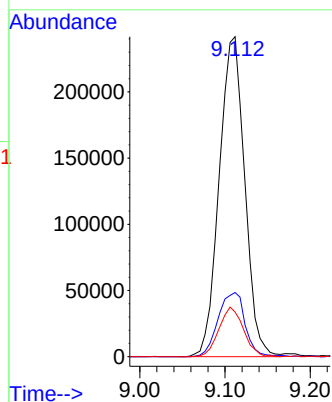
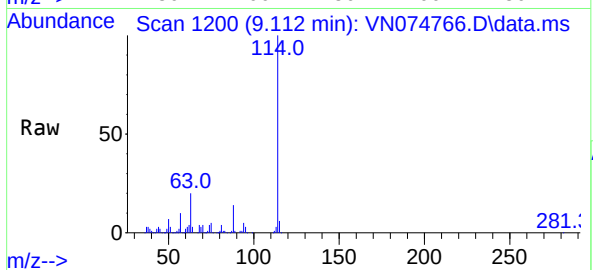
Tgt Ion:114 Resp: 503683

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.2

88 14.0 0.0 30.2



#35

Dibromofluoromethane

Concen: 53.404 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN074766.D

Acq: 06 Oct 2022 02:51

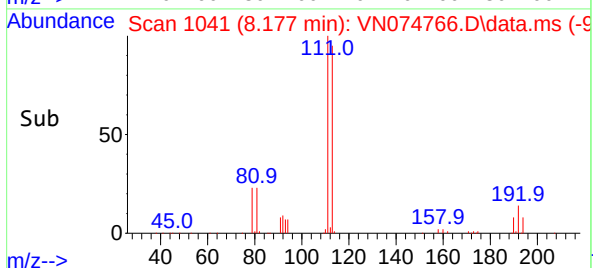
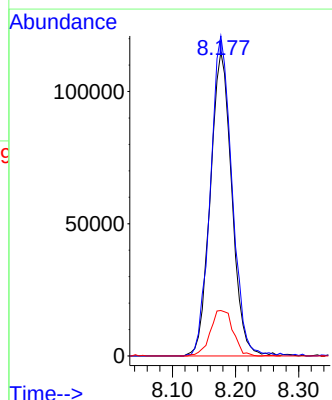
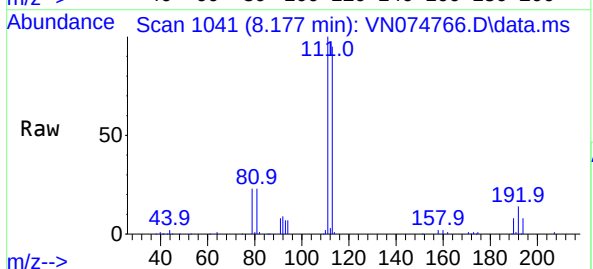
Tgt Ion:113 Resp: 271773

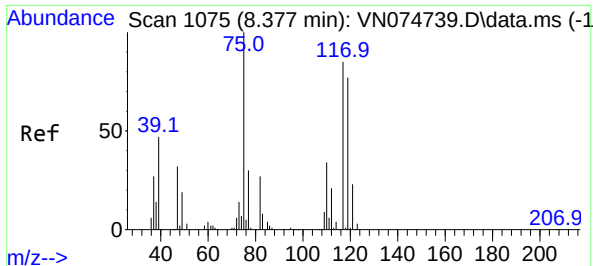
Ion Ratio Lower Upper

113 100

111 105.8 83.0 124.6

192 15.8 12.6 18.8

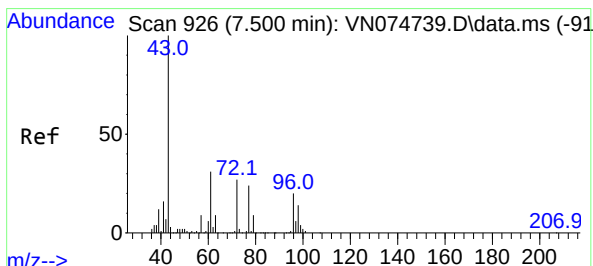
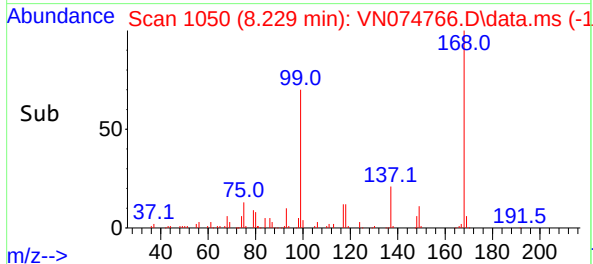
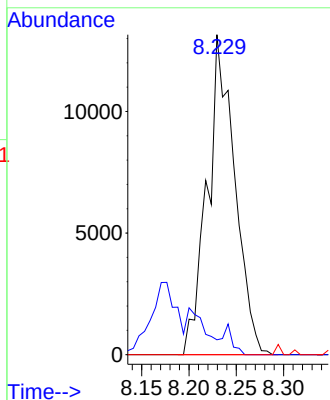
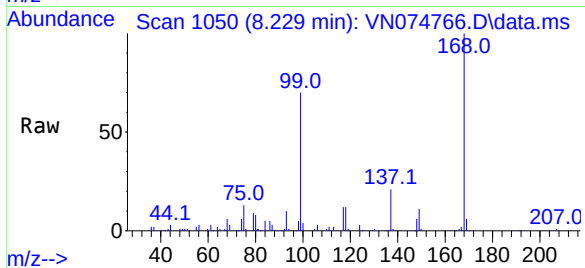




#36
1,1-Dichloropropene
Concen: 3.228 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

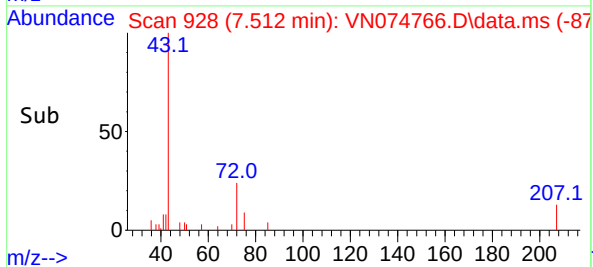
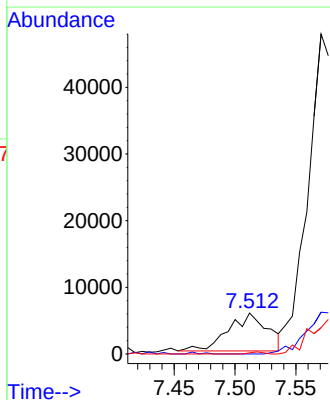
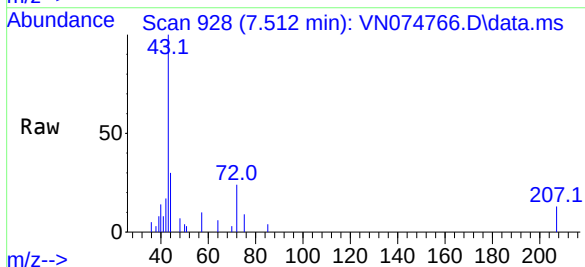
Instrument :
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PB148097ZHE#03

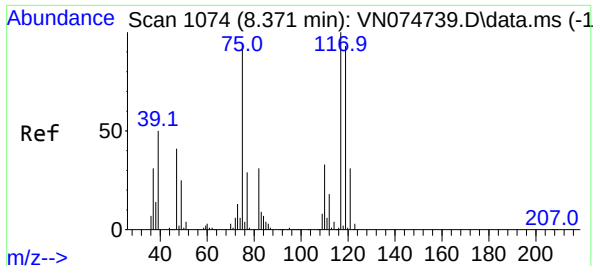
Tgt Ion: 75 Resp: 26593
Ion Ratio Lower Upper
75 100
110 3.3 17.2 51.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.385 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.012 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

Tgt Ion: 43 Resp: 12709
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#

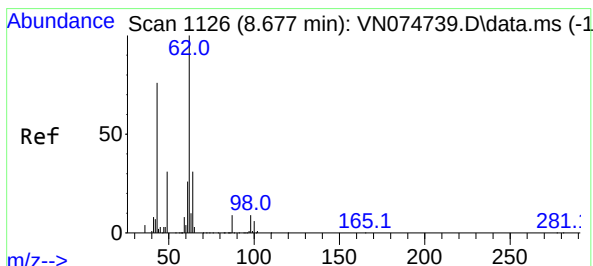
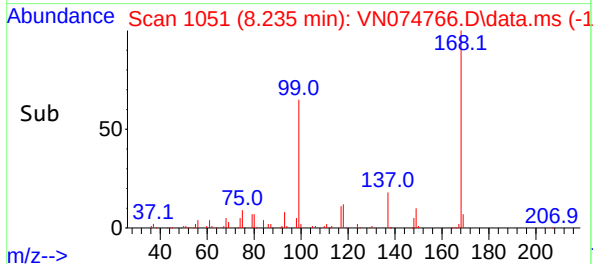
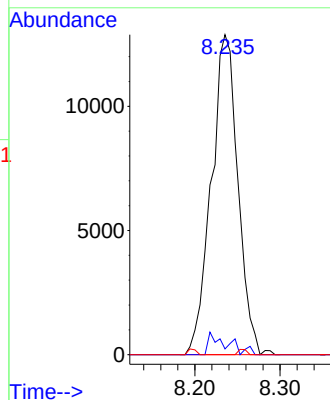
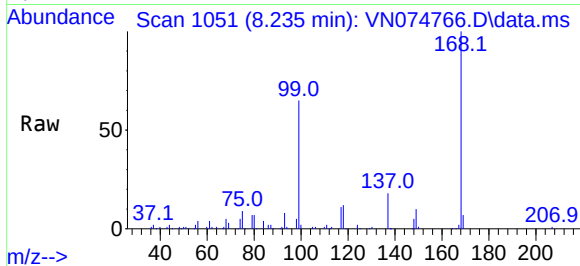




#38
Carbon Tetrachloride
Concen: 3.603 ug/l
RT: 8.235 min Scan# 110
Delta R.T. -0.136 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

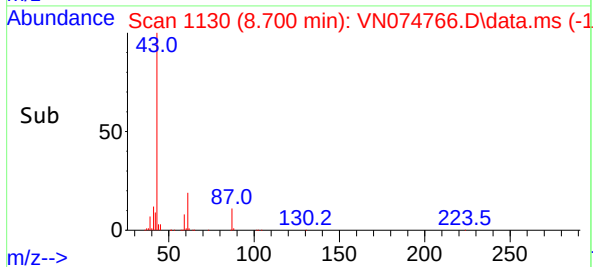
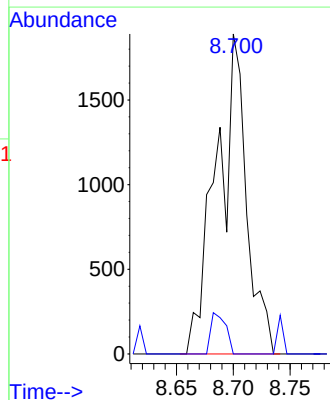
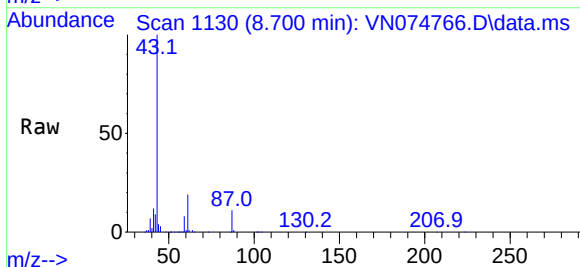
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#03

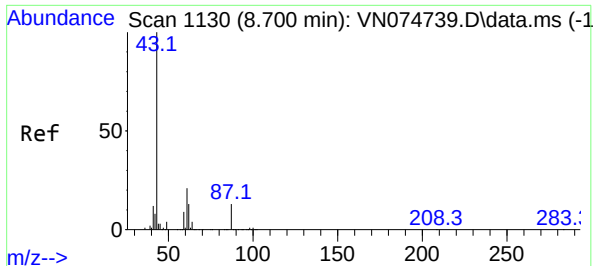
Tgt Ion:117 Resp: 27986
Ion Ratio Lower Upper
117 100
119 1.8 74.3 111.5#
121 0.0 25.0 37.4#



#42
1,2-Dichloroethane
Concen: 0.413 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. 0.023 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

Tgt Ion: 62 Resp: 3458
Ion Ratio Lower Upper
62 100
98 6.4 0.0 19.4

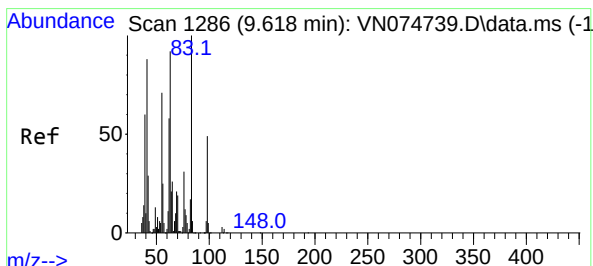
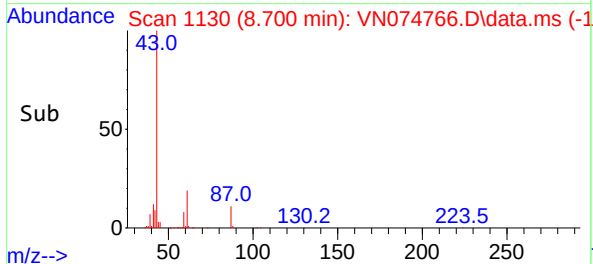
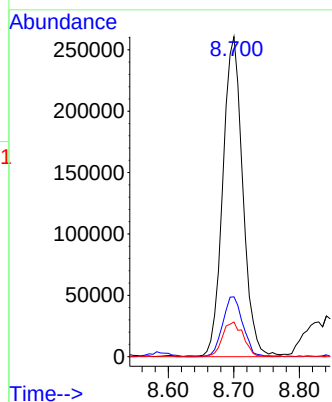
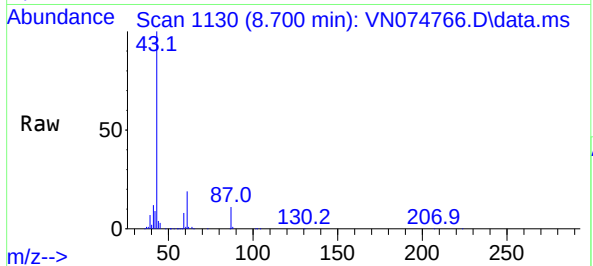




#43
Isopropyl Acetate
Concen: 26.950 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

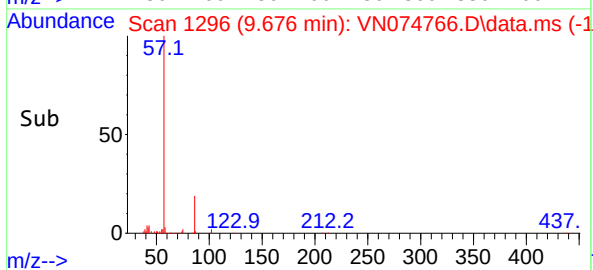
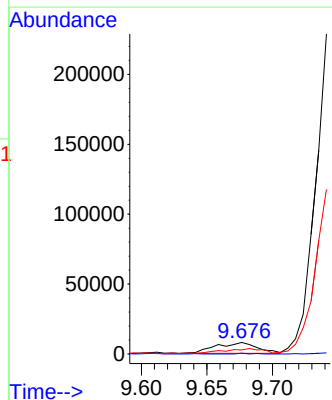
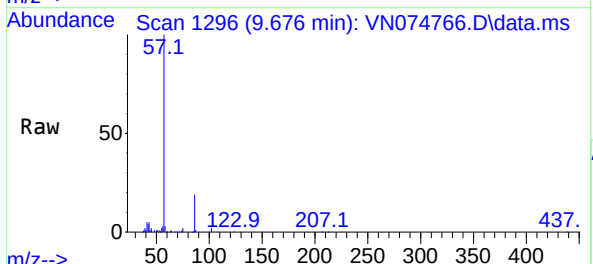
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#03

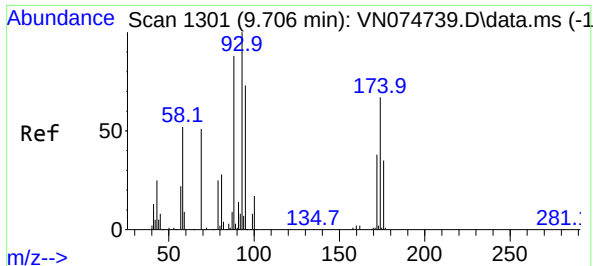
Tgt Ion: 43 Resp: 550262
Ion Ratio Lower Upper
43 100
61 19.1 19.4 29.0#
87 11.4 10.1 15.1



#48
Methyl methacrylate
Concen: 2.016 ug/l
RT: 9.676 min Scan# 1296
Delta R.T. 0.059 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

Tgt Ion: 41 Resp: 16901
Ion Ratio Lower Upper
41 100
69 1.8 0.0 0.0#
39 43.8 54.4 81.6#

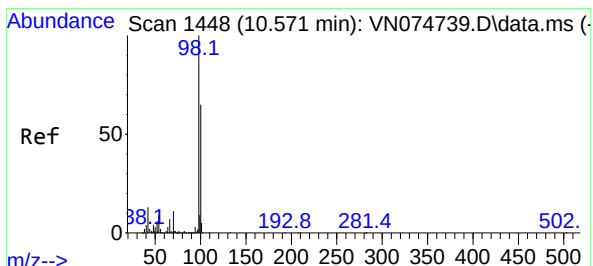
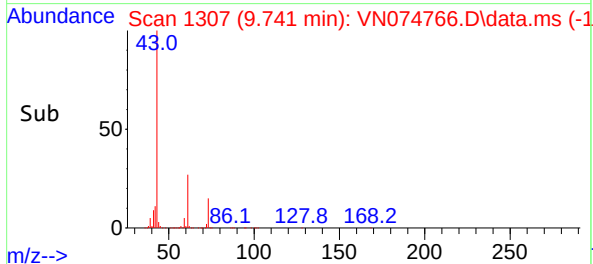
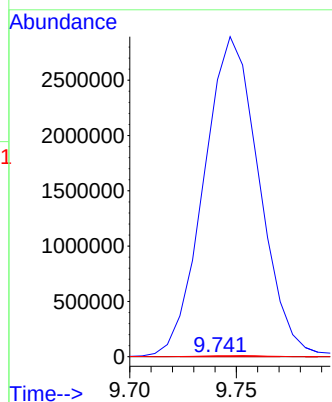
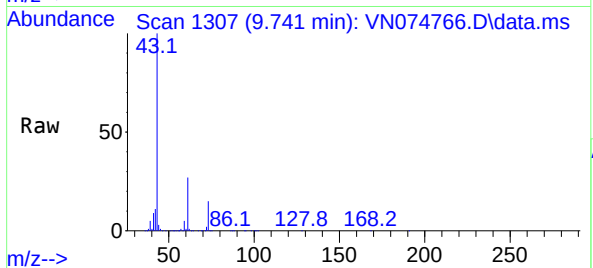




#49
1,4-Dioxane
Concen: 3.787 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

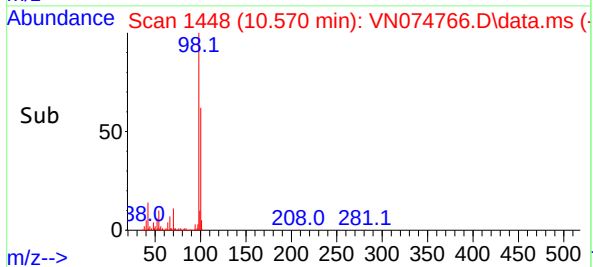
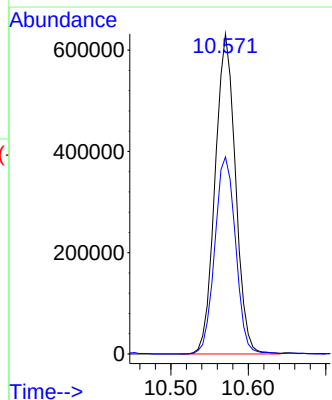
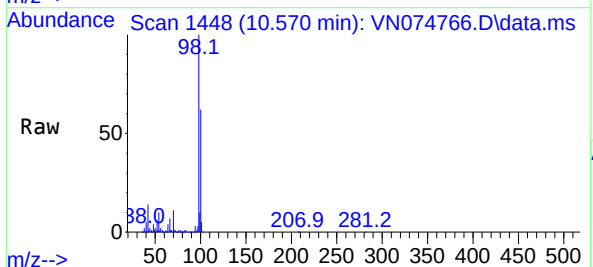
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#03

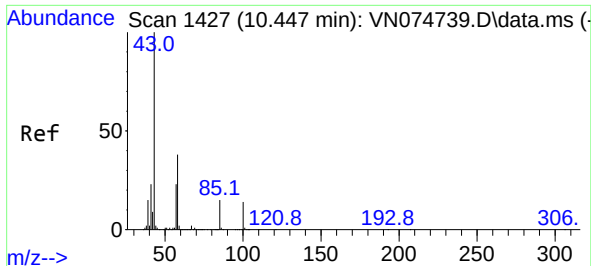
Tgt Ion: 88 Resp: 688
Ion Ratio Lower Upper
88 100
43 769090.4 23.4 35.2#
58 2937.2 54.9 82.3#



#50
Toluene-d8
Concen: 52.896 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

Tgt Ion: 98 Resp: 1155050
Ion Ratio Lower Upper
98 100
100 62.9 50.7 76.1

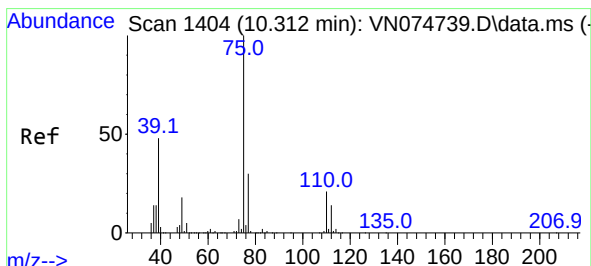
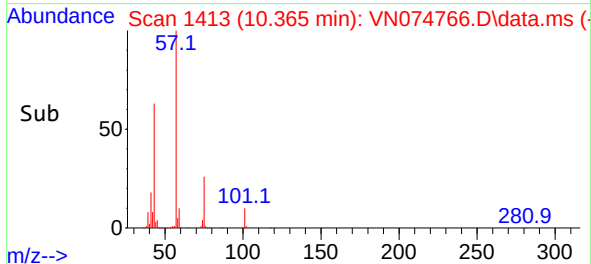
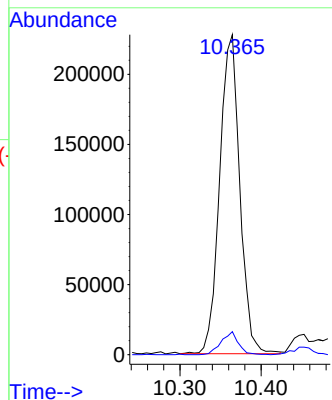
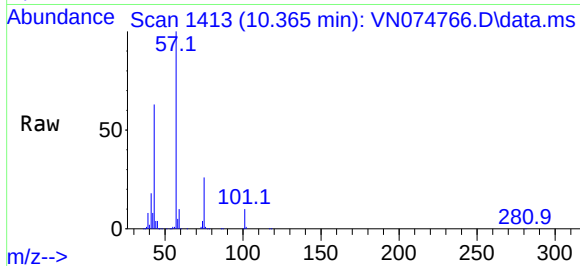




#51
4-Methyl-2-Pentanone
Concen: 29.872 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. -0.083 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

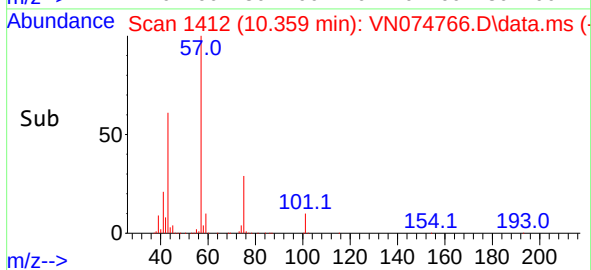
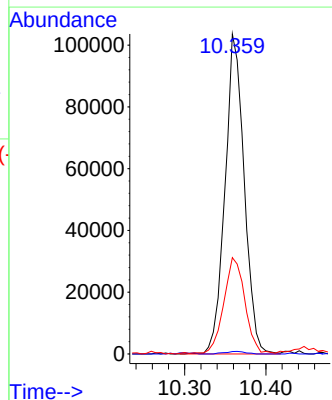
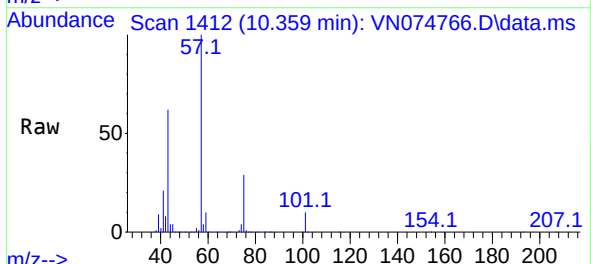
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#03

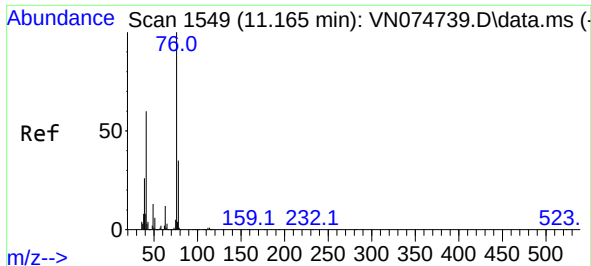
Tgt Ion: 43 Resp: 392753
Ion Ratio Lower Upper
43 100
58 6.2 30.6 45.8#



#54
cis-1,3-Dichloropropene
Concen: 15.299 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

Tgt Ion: 75 Resp: 170350
Ion Ratio Lower Upper
75 100
77 0.7 24.4 36.6#
39 29.9 38.6 57.8#





#57

1,3-Dichloropropane

Concen: 2.053 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN074766.D

Acq: 06 Oct 2022 02:51

Instrument :

MSVOA_N

ClientSampleId :

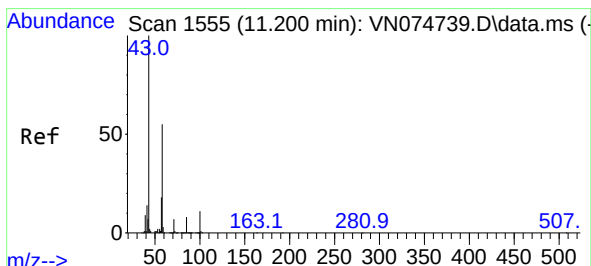
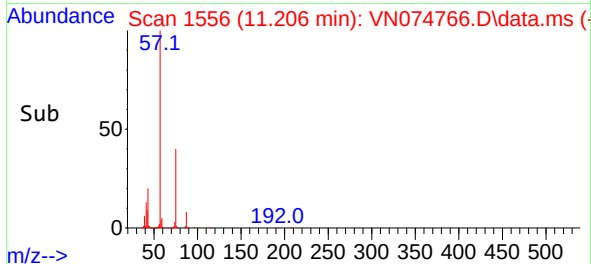
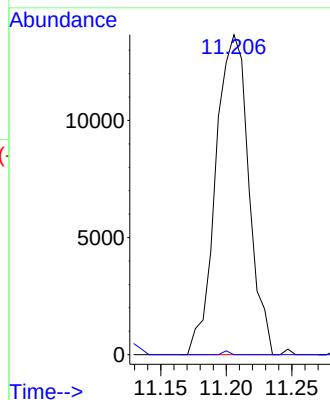
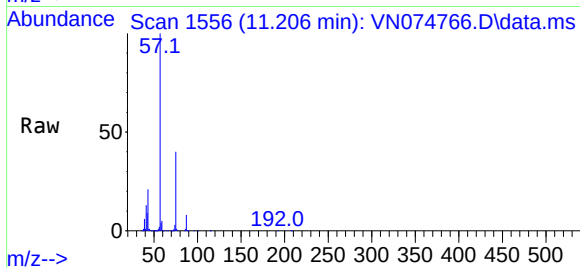
PB148097ZHE#03

Tgt Ion: 76 Resp: 23835

Ion Ratio Lower Upper

76 100

78 0.2 26.2 39.2#



#59

2-Hexanone

Concen: 41.675 ug/l

RT: 11.170 min Scan# 1550

Delta R.T. -0.030 min

Lab File: VN074766.D

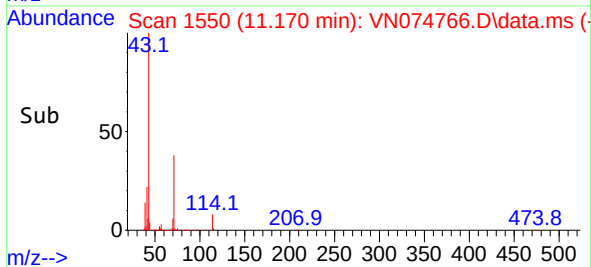
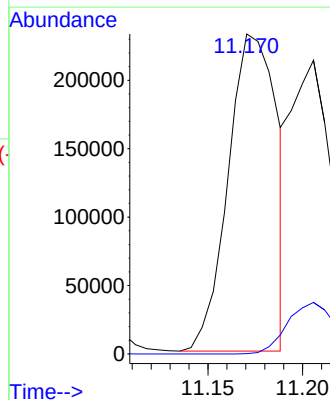
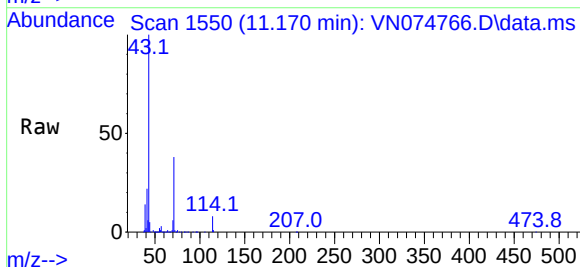
Acq: 06 Oct 2022 02:51

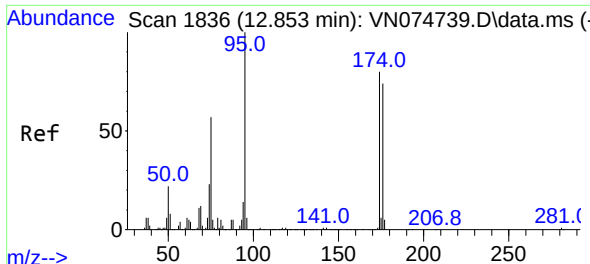
Tgt Ion: 43 Resp: 414458

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.9#

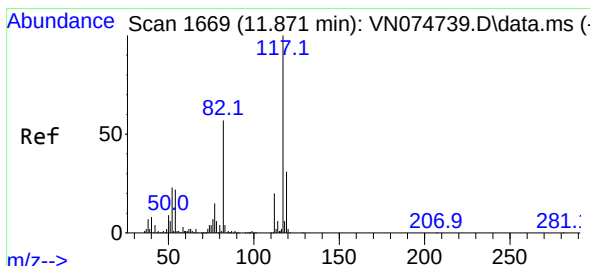
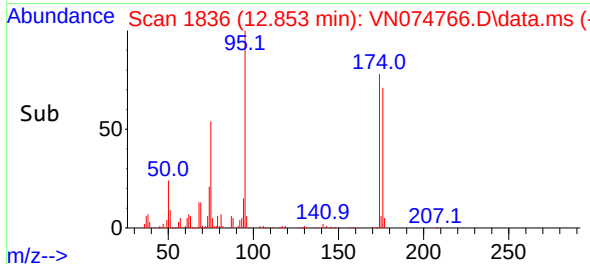
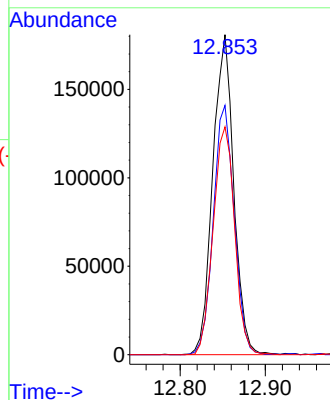
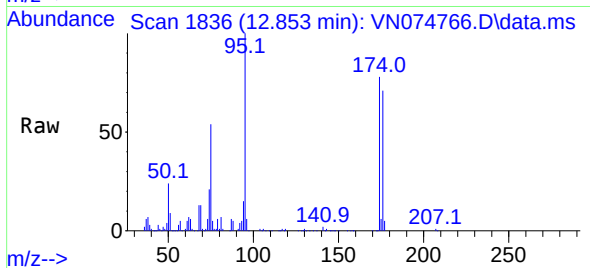




#62
4-Bromofluorobenzene
Concen: 46.596 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

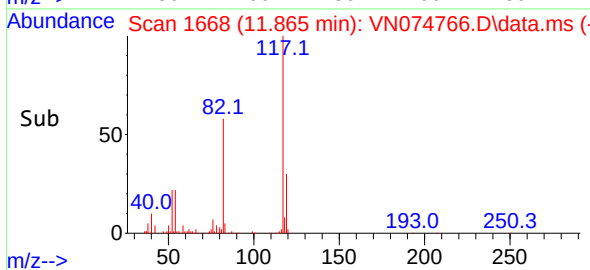
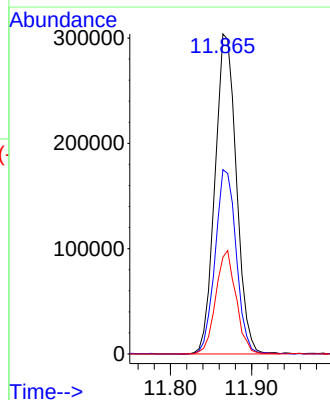
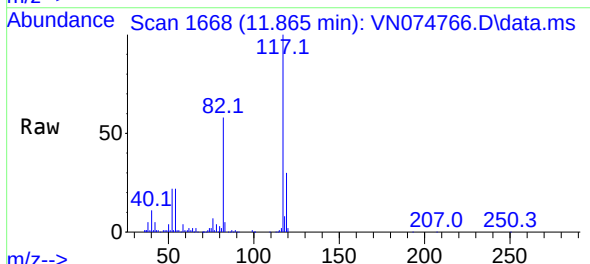
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#03

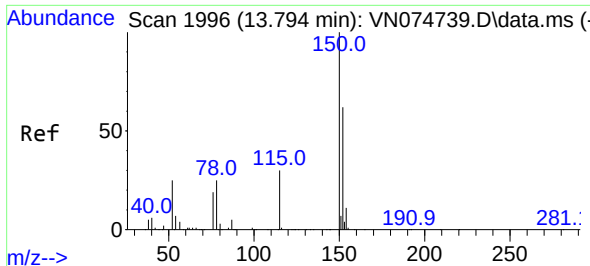
Tgt Ion: 95 Resp: 309297
Ion Ratio Lower Upper
95 100
174 78.0 0.0 149.4
176 73.1 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

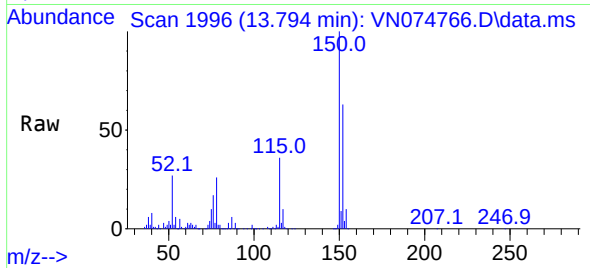
Tgt Ion: 117 Resp: 558319
Ion Ratio Lower Upper
117 100
82 57.6 45.4 68.2
119 30.3 25.1 37.7



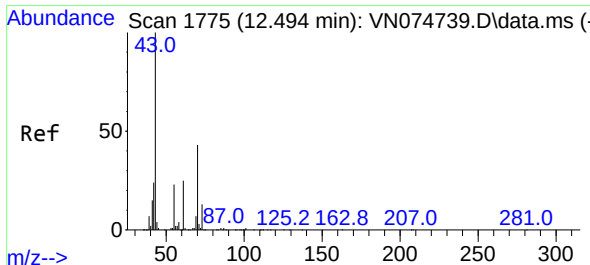
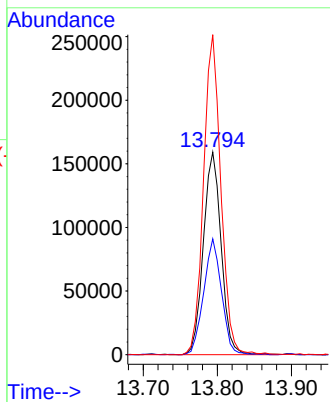
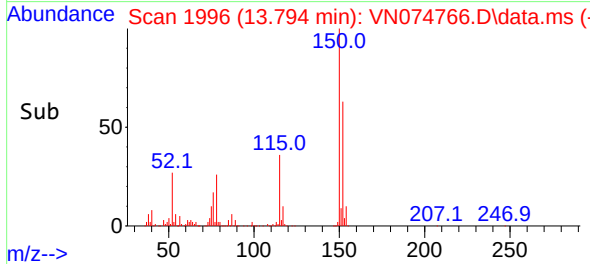


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

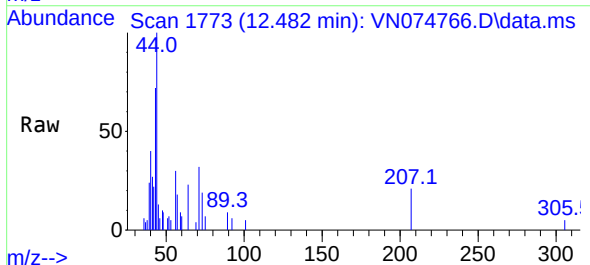
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#03



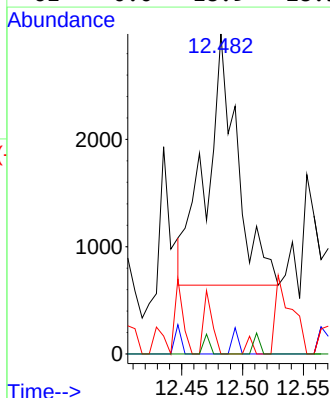
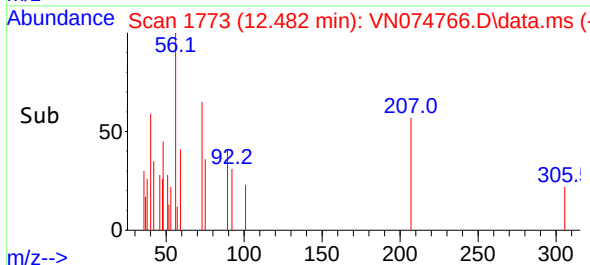
Tgt Ion:152 Resp: 265766
Ion Ratio Lower Upper
152 100
115 57.5 30.0 90.0
150 154.1 0.0 356.4

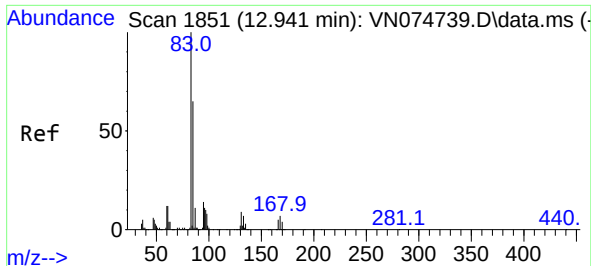


#74
N-ethyl acetate
Concen: 0.268 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51



Tgt Ion: 43 Resp: 4143
Ion Ratio Lower Upper
43 100
70 2.1 32.9 49.3#
55 0.0 17.8 26.6#
61 0.0 18.9 28.3#

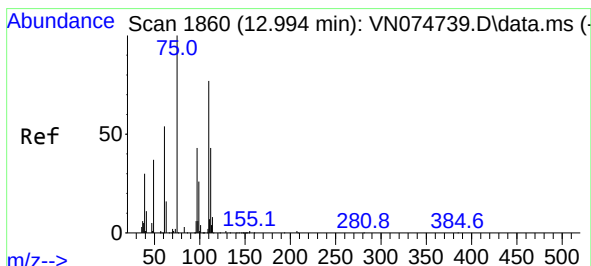
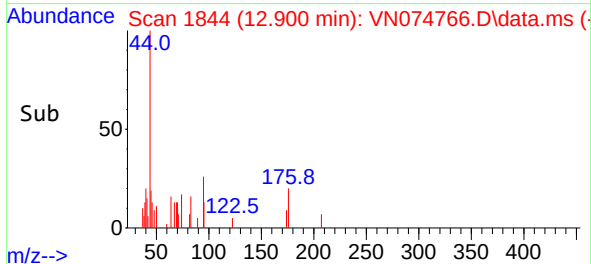
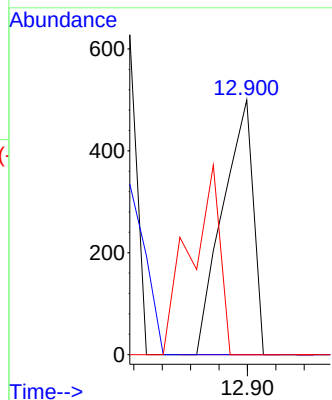
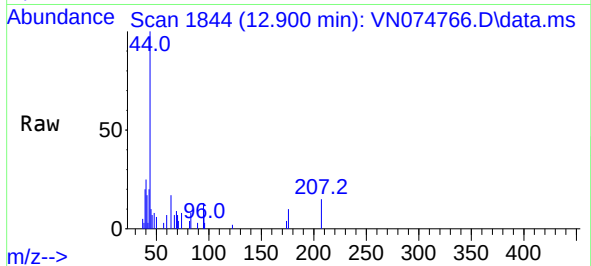




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.900 min Scan# 1844
Delta R.T. -0.041 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

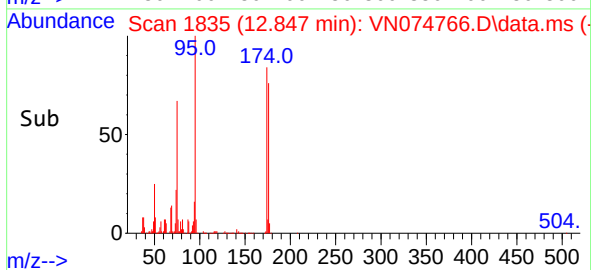
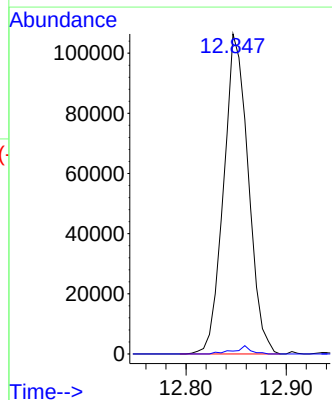
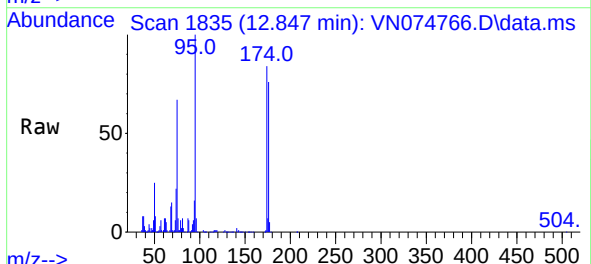
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#03

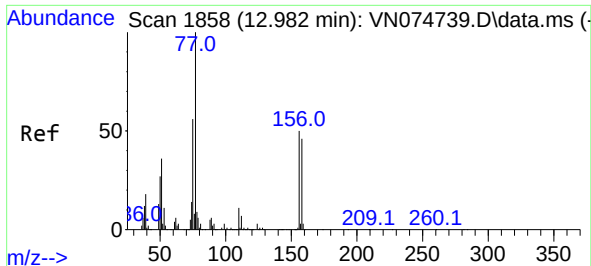
Tgt Ion: 83 Resp: 375
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 72.3 32.9 98.6



#76
1,2,3-Trichloropropane
Concen: 22.880 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

Tgt Ion: 75 Resp: 181492
Ion Ratio Lower Upper
75 100
77 1.7 76.9 230.7#

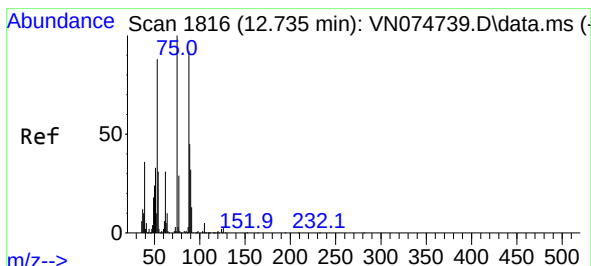
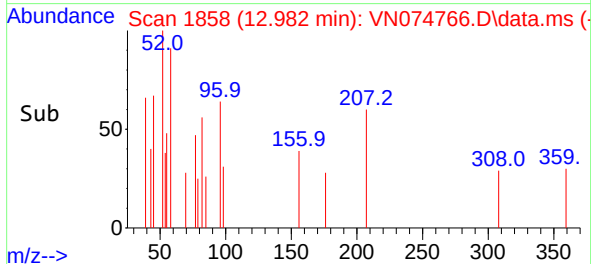
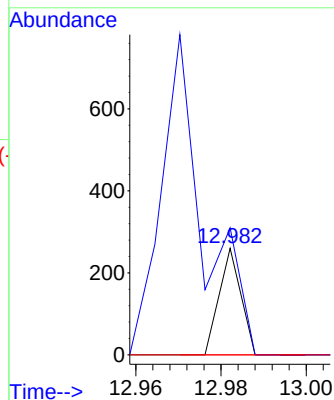
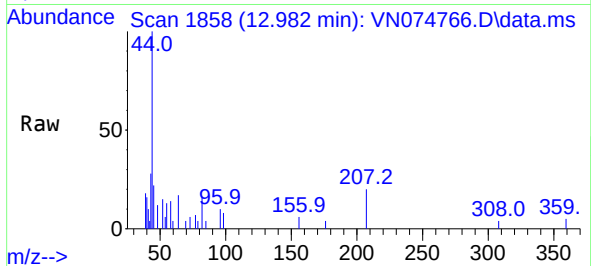




#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

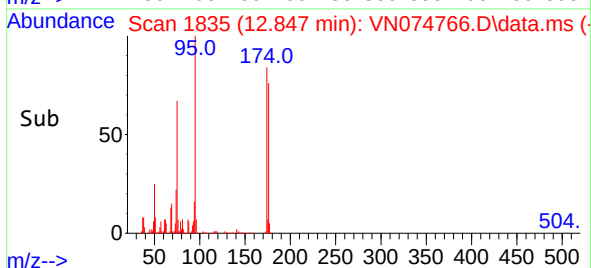
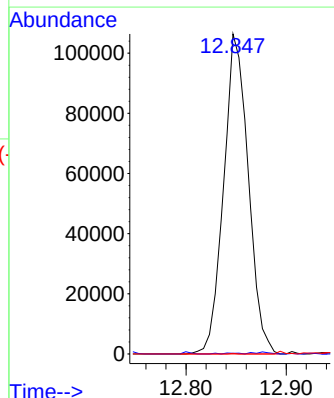
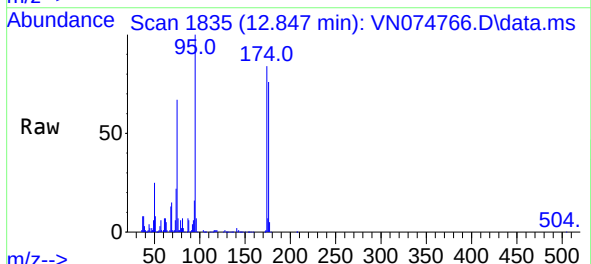
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#03

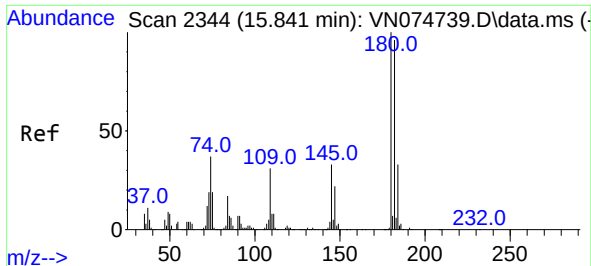
Tgt Ion:156 Resp: 92
Ion Ratio Lower Upper
156 100
77 700.0 124.7 374.1#
158 0.0 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 44.578 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.111 min
Lab File: VN074766.D
Acq: 06 Oct 2022 02:51

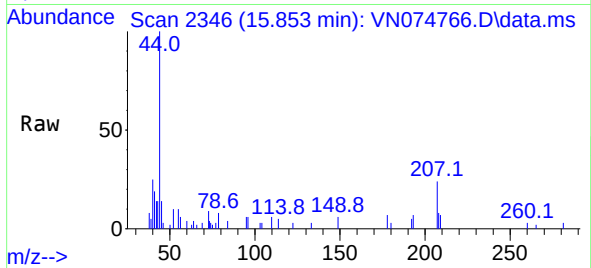
Tgt Ion: 75 Resp: 181492
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.0 32.1 48.1#





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.853 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN074766.D
 Acq: 06 Oct 2022 02:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148097ZHE#03



Tgt Ion:180 Resp: 77
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 17.1 51.2#

