

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071823\
 Data File : VN078557.D
 Acq On : 18 Jul 2023 13:37
 Operator : JC\MD
 Sample : PB154251ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB154251ZHE#02

Quant Time: Jul 19 01:48:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	405465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	743370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	715434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	246673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	265173	48.784	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.560%
35) Dibromofluoromethane	8.177	113	292529	57.970	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	115.940%
50) Toluene-d8	10.570	98	913345	47.912	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.820%
62) 4-Bromofluorobenzene	12.853	95	305048	51.951	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1262	0.234	ug/l	96
5) Bromomethane	2.971	94	3058	Below Cal		89
6) Chloroethane	3.071	64	662	Below Cal	#	57
10) Methyl Iodide	4.600	142	2764	0.455	ug/l #	80
11) Tert butyl alcohol	5.536	59	542	0.647	ug/l #	72
13) Acrolein	4.171	56	295	0.358	ug/l #	16
15) Acrylonitrile	5.747	53	871	0.411	ug/l #	56
16) Acetone	4.447	43	114522	67.636	ug/l	91
18) Methyl Acetate	5.065	43	5718	0.798	ug/l #	53
20) Methylene Chloride	5.277	84	25489	4.126	ug/l #	79
25) 2-Butanone	7.494	43	84651	31.760	ug/l #	84
29) Tetrahydrofuran	7.859	42	2396	1.370	ug/l #	70
31) Cyclohexane	8.235	56	9523	1.296	ug/l #	33
36) 1,1-Dichloropropene	8.235	75	33577	4.608	ug/l #	48
37) Ethyl Acetate	7.571	43	28361	4.669	ug/l #	83
38) Carbon Tetrachloride	8.229	117	44600	5.632	ug/l #	17
39) Methylcyclohexane	9.606	83	1592	0.239	ug/l #	60
43) Isopropyl Acetate	8.700	43	272913	27.291	ug/l #	85
48) Methyl methacrylate	9.676	41	8113	1.751	ug/l #	4
49) 1,4-Dioxane	9.706	88	58	0.574	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	293976	49.423	ug/l	91
54) cis-1,3-Dichloropropene	10.365	75	104817	12.444	ug/l #	70
57) 1,3-Dichloropropane	11.212	76	13980	1.560	ug/l #	42
59) 2-Hexanone	11.176	43	231835	54.841	ug/l #	19
68) m/p-Xylenes	12.088	106	2819	0.282	ug/l	94
74) N-amyl acetate	12.488	43	4617	0.578	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.941	83	1239	Below Cal	#	88
76) 1,2,3-Trichloropropane	12.853	75	157508	26.417	ug/l #	1
77) Bromobenzene	12.994	156	1294	Below Cal		91
78) n-propylbenzene	13.041	91	5114	0.206	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	4250	0.232	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.853	75	157508	69.419	ug/l #	15
82) 4-Chlorotoluene	13.123	91	3164	0.209	ug/l	81
84) 1,2,4-Trimethylbenzene	13.488	105	4776	0.268	ug/l	87
85) sec-Butylbenzene	13.617	105	4395	0.224	ug/l	99
86) p-Isopropyltoluene	13.735	119	3600	0.228	ug/l	84

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

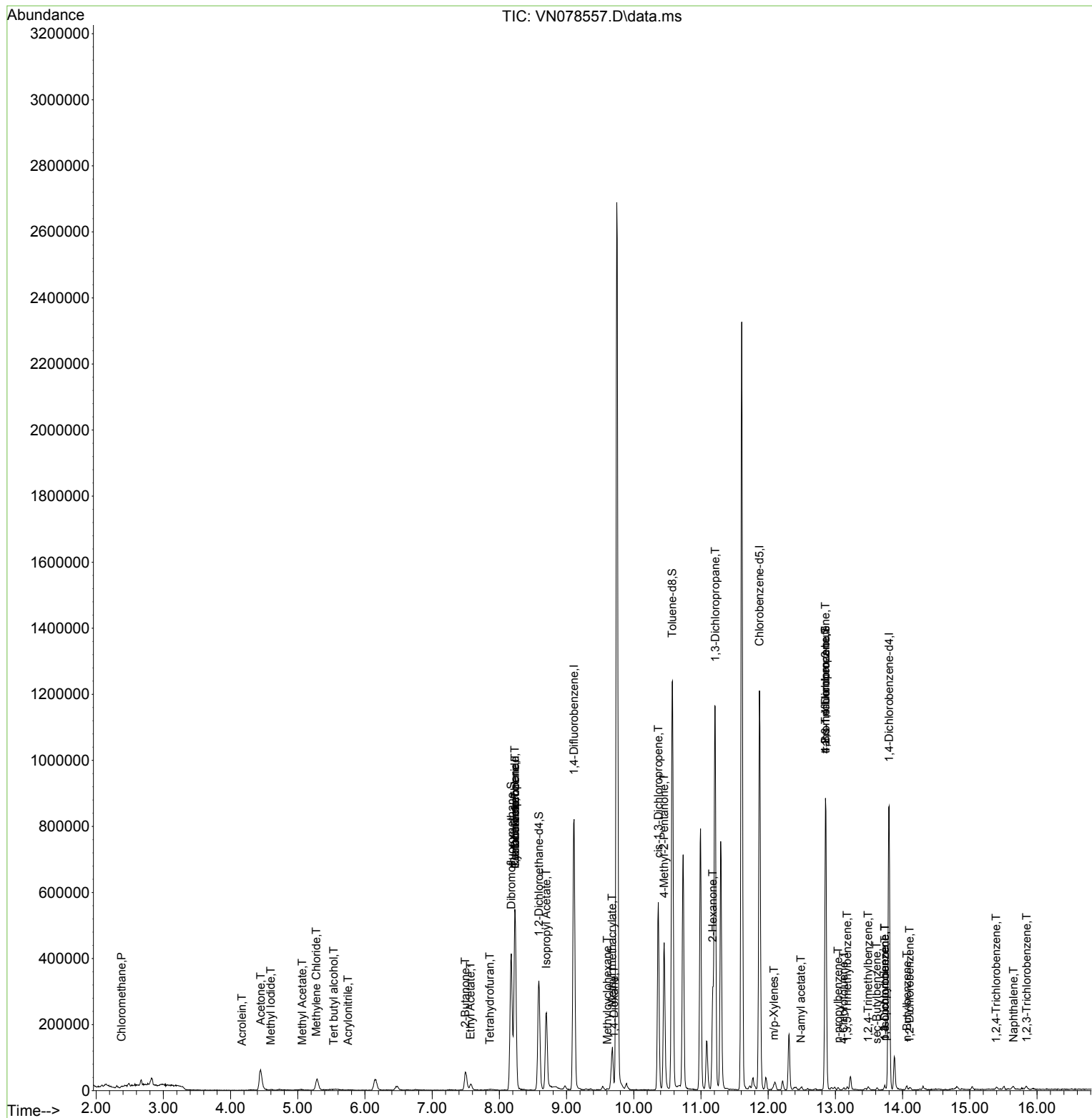
87) 1,3-Dichlorobenzene	13.735	146	2806	0.315	ug/l	92
88) 1,4-Dichlorobenzene	13.735	146	2806	0.313	ug/l	90
89) n-Butylbenzene	14.064	91	6120	0.542	ug/l	95
90) Hexachloroethane	14.329	117	386	Below Cal		78
91) 1,2-Dichlorobenzene	14.106	146	3329	0.376	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.735	75	381	Below Cal	#	63
93) 1,2,4-Trichlorobenzene	15.394	180	2237	0.792	ug/l	87
94) Hexachlorobutadiene	15.505	225	2149	Below Cal		88
95) Naphthalene	15.653	128	8610	0.891	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.847	180	2802	0.862	ug/l	86

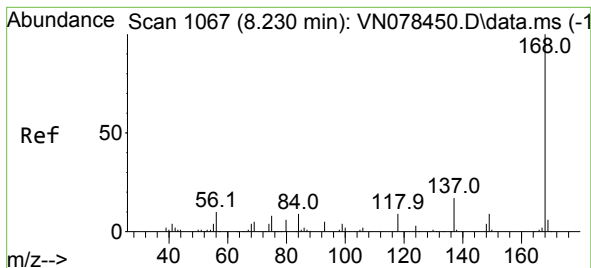
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1067

Delta R.T. 0.005 min

Lab File: VN078557.D

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MSVOA_N

ClientSampleId :

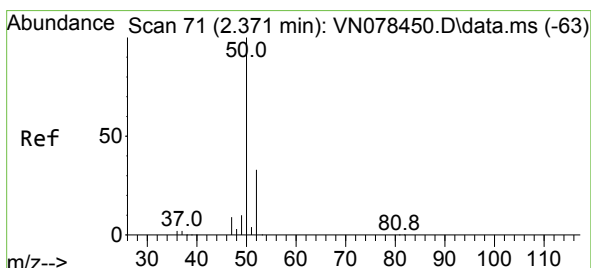
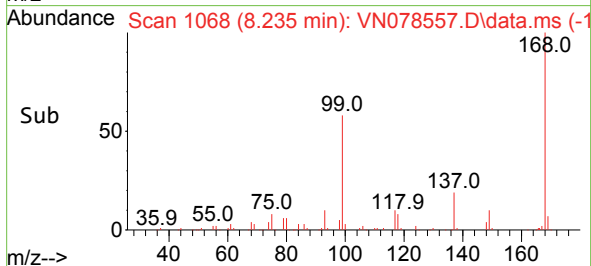
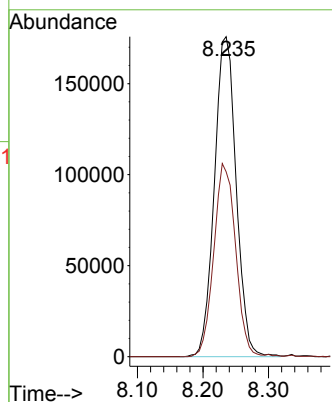
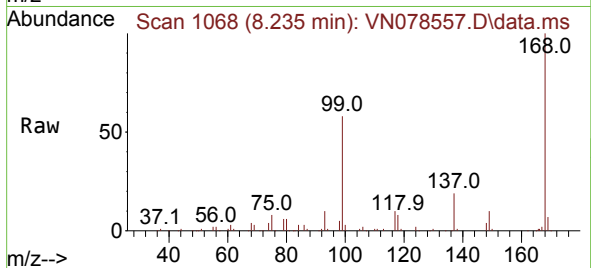
PB154251ZHE#02

Tgt Ion:168 Resp: 405465

Ion Ratio Lower Upper

168 100

99 57.8 53.0 79.6



#3

Chloromethane

Concen: 0.234 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078557.D

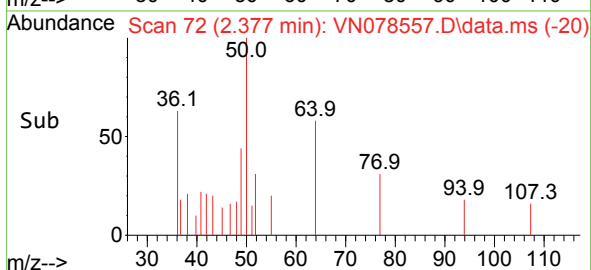
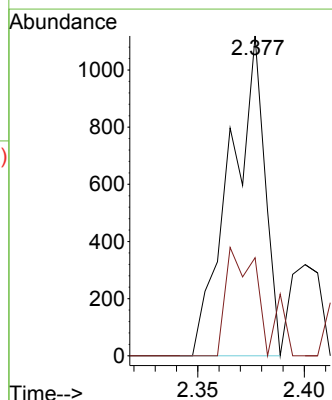
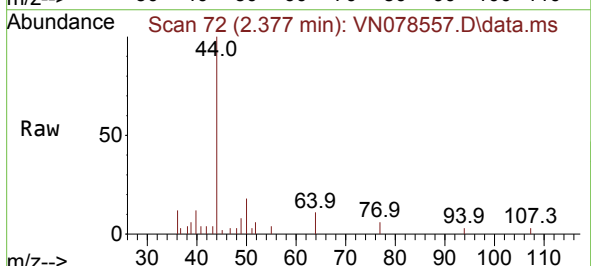
Acq: 18 Jul 2023 13:37

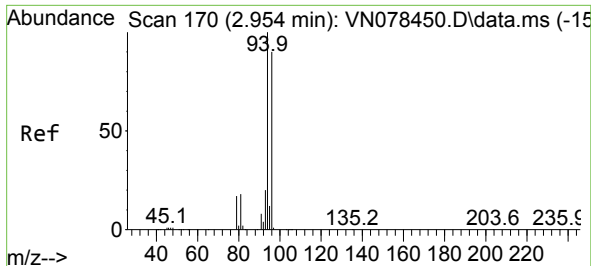
Tgt Ion: 50 Resp: 1262

Ion Ratio Lower Upper

50 100

52 30.7 26.5 39.7

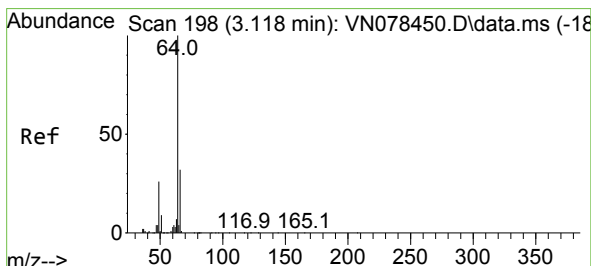
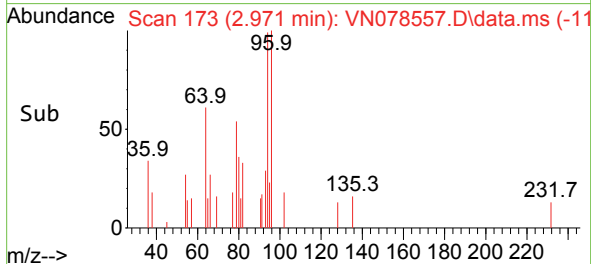
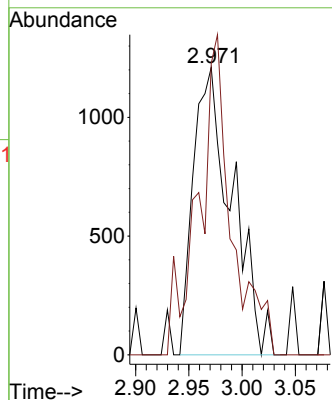
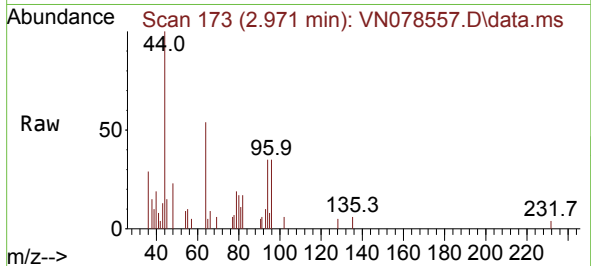




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

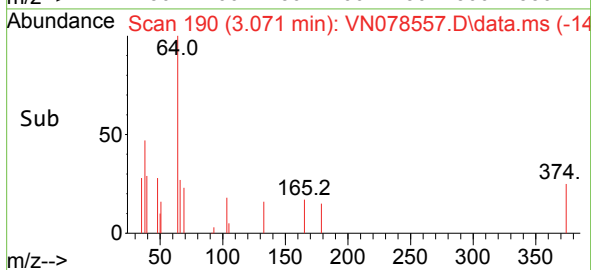
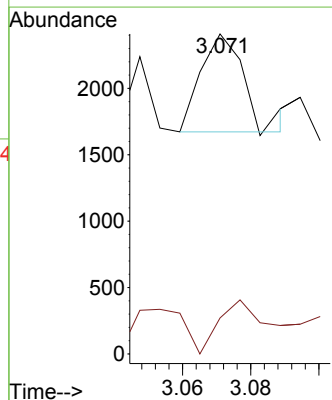
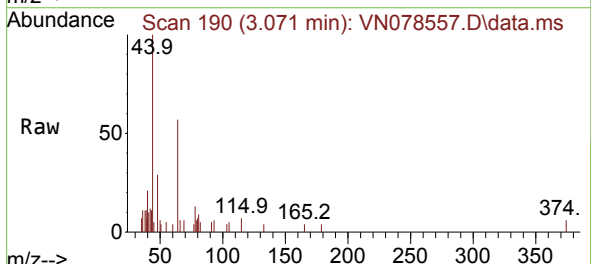
Instrument :
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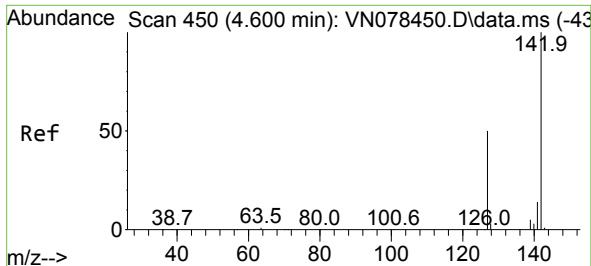
Tgt Ion: 94 Resp: 3058
Ion Ratio Lower Upper
94 100
96 101.4 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

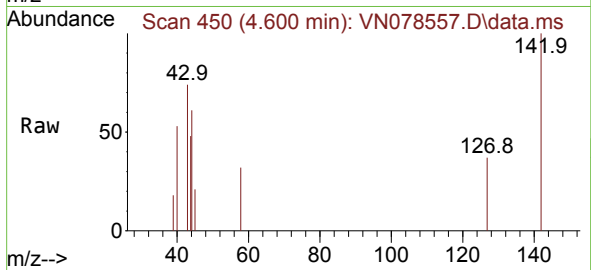
Tgt Ion: 64 Resp: 662
Ion Ratio Lower Upper
64 100
66 7.7 25.4 38.2#



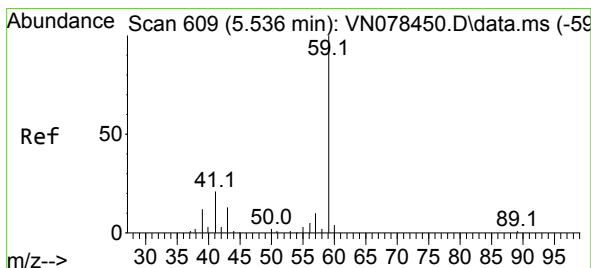
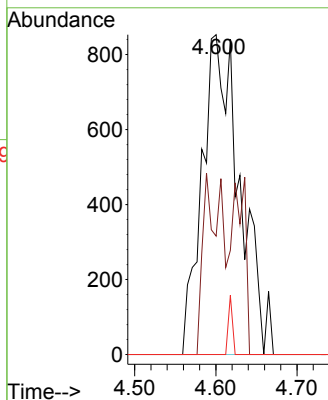
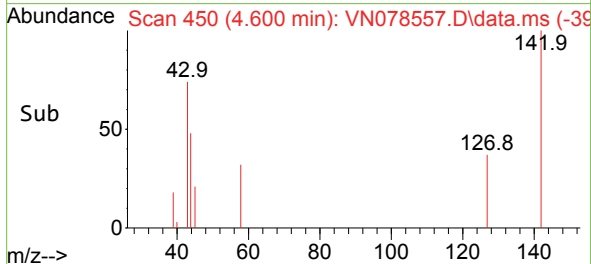


#10
Methyl Iodide
Concen: 0.455 ug/l
RT: 4.600 min Scan# 410
Delta R.T. 0.000 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Instrument :
MSVOA_N
ClientSampleId :
PB154251ZHE#02

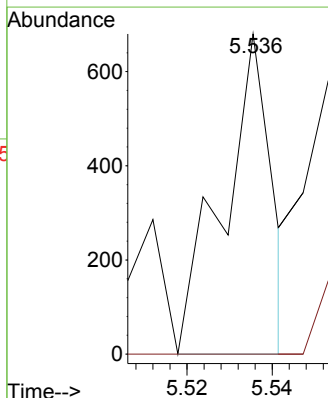
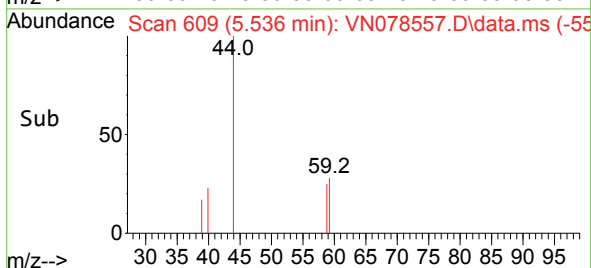
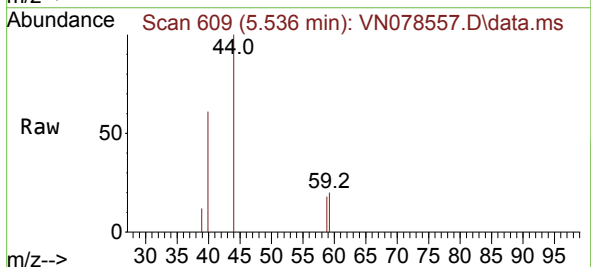


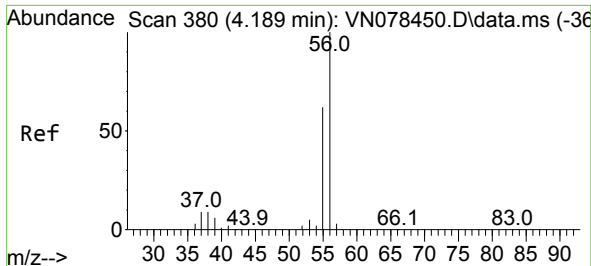
Tgt Ion:142 Resp: 2764
Ion Ratio Lower Upper
142 100
127 37.0 37.6 56.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.647 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion: 59 Resp: 542
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

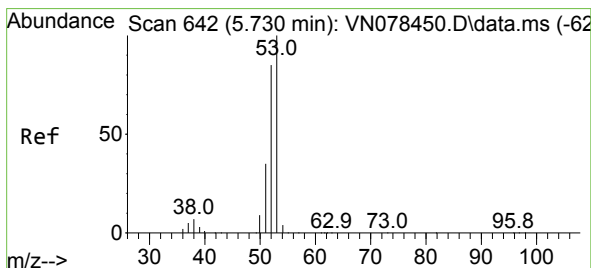
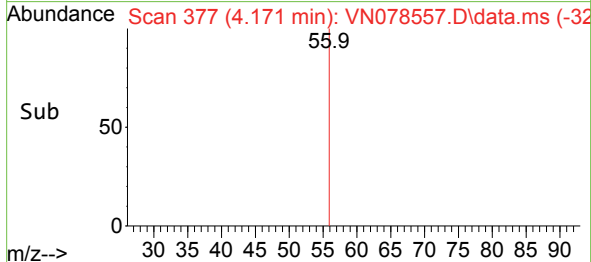
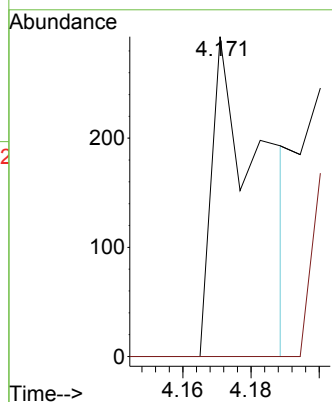
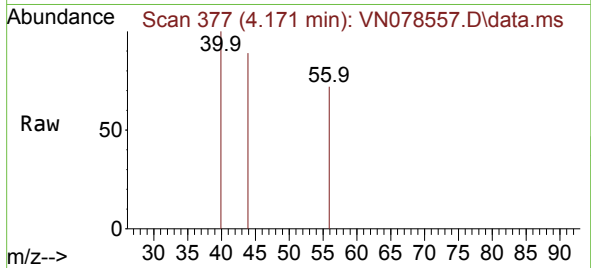




#13
Acrolein
Concen: 0.358 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

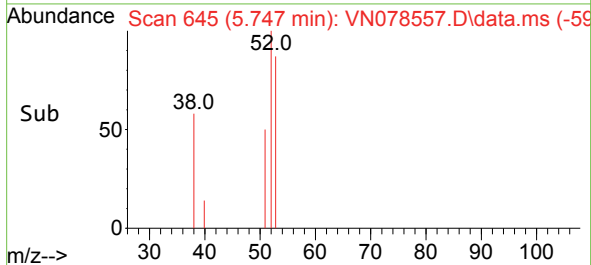
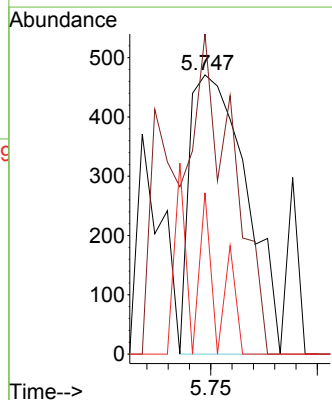
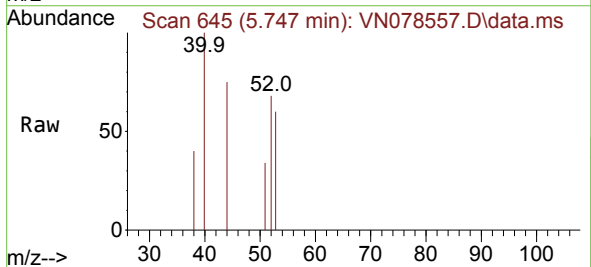
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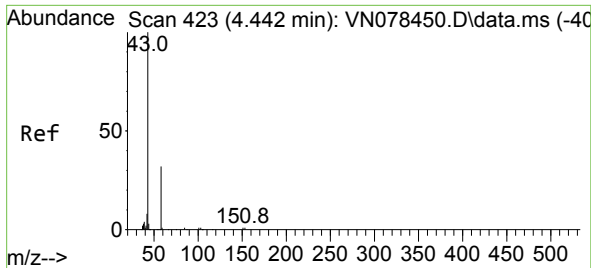
Tgt Ion: 56 Resp: 295
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#15
Acrylonitrile
Concen: 0.411 ug/l
RT: 5.747 min Scan# 645
Delta R.T. 0.017 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion: 53 Resp: 871
Ion Ratio Lower Upper
53 100
52 122.2 65.3 97.9#
51 13.1 28.9 43.3#

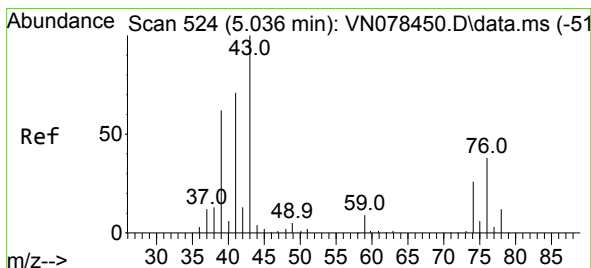
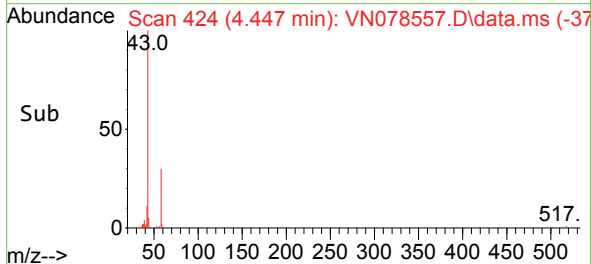
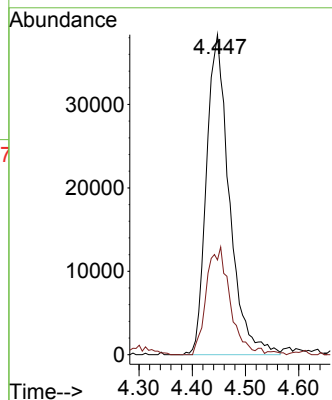
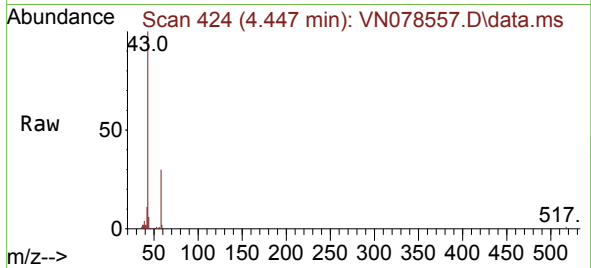




#16
Acetone
Concen: 67.636 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

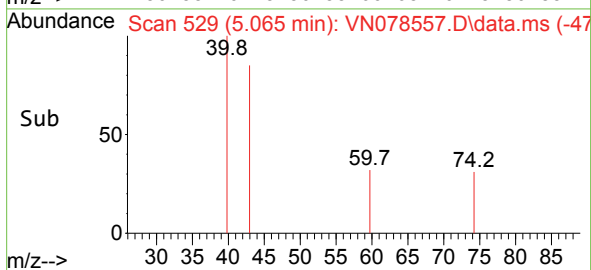
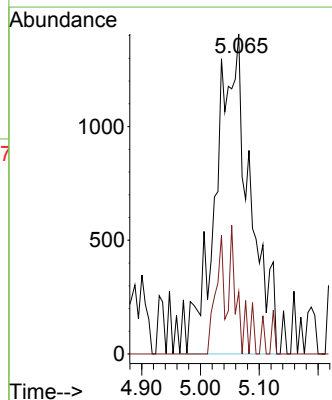
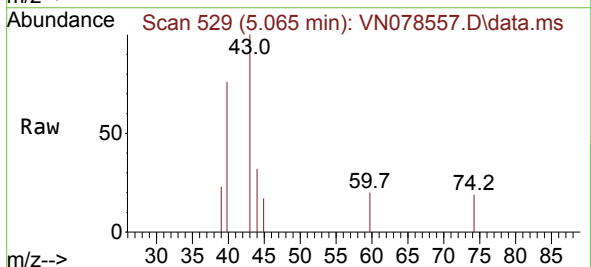
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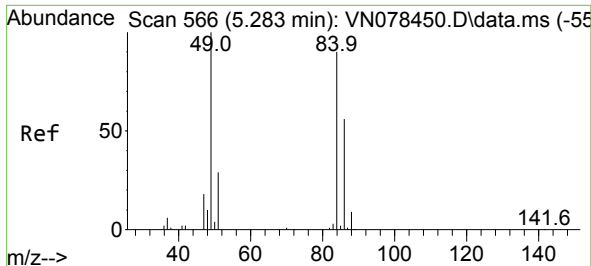
Tgt Ion: 43 Resp: 114522
Ion Ratio Lower Upper
43 100
58 29.6 28.0 42.0



#18
Methyl Acetate
Concen: 0.798 ug/l
RT: 5.065 min Scan# 529
Delta R.T. 0.029 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion: 43 Resp: 5718
Ion Ratio Lower Upper
43 100
74 6.3 26.2 39.4#

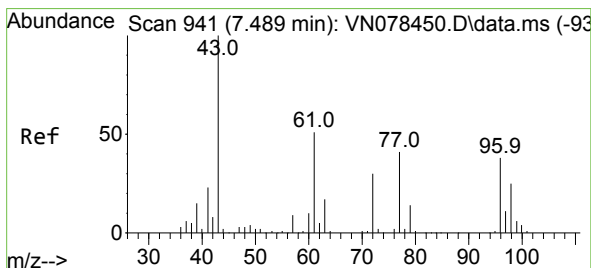
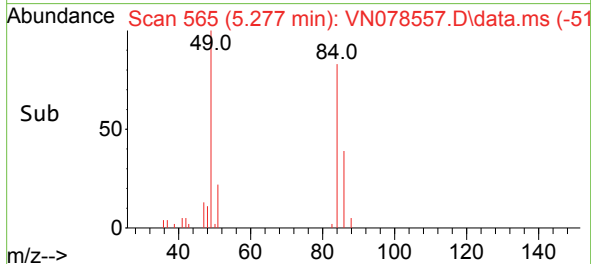
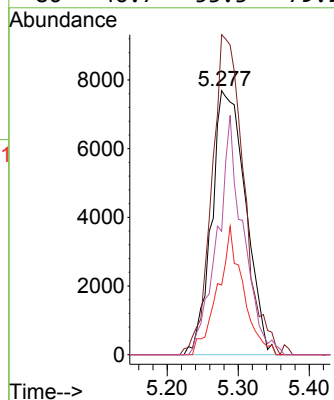
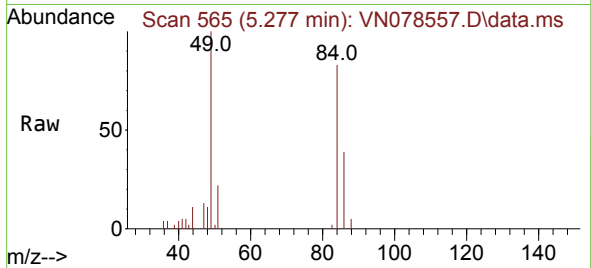




#20
Methylene Chloride
Concen: 4.126 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

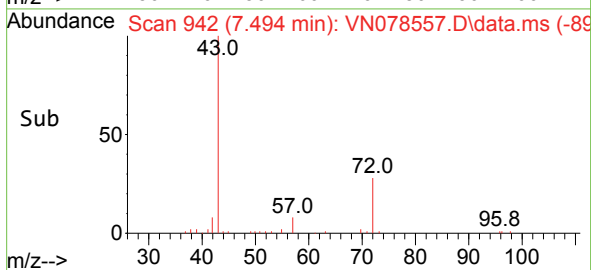
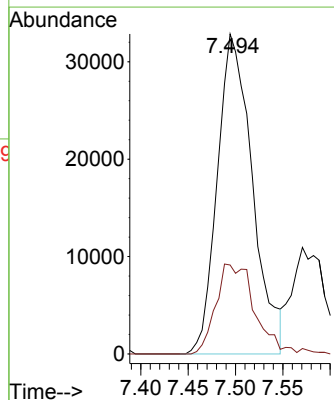
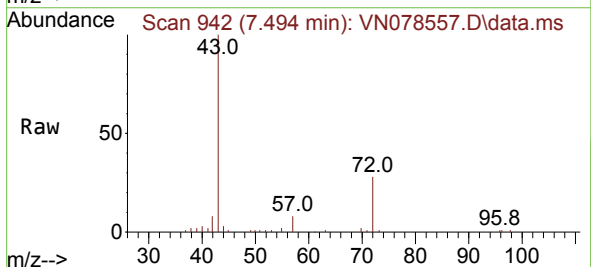
Instrument :
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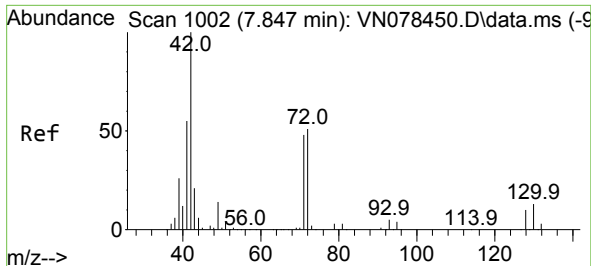
Tgt Ion: 84 Resp: 25489
Ion Ratio Lower Upper
84 100
49 121.2 79.7 119.5#
51 26.4 25.2 37.8
86 46.7 53.3 79.9#



#25
2-Butanone
Concen: 31.760 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.005 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion: 43 Resp: 84651
Ion Ratio Lower Upper
43 100
72 27.8 30.2 45.2#





#29

Tetrahydrofuran

Concen: 1.370 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.012 min

Lab File: VN078557.D

Acq: 18 Jul 2023 13:37

Instrument :

MSVOA_N

ClientSampleId :

PB154251ZHE#02

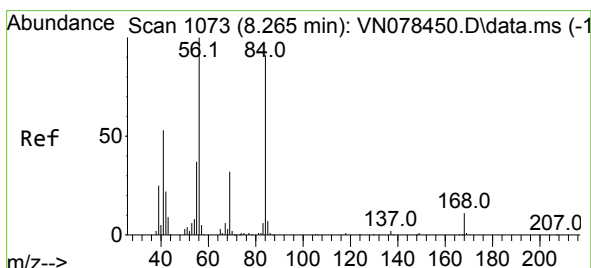
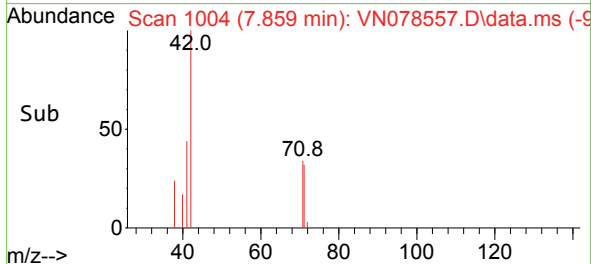
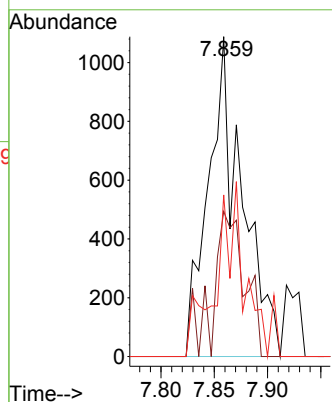
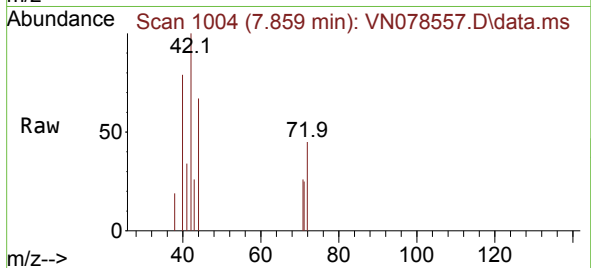
Tgt Ion: 42 Resp: 2396

Ion Ratio Lower Upper

42 100

72 39.4 49.8 74.6#

71 36.7 47.4 71.2#



#31

Cyclohexane

Concen: 1.296 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.030 min

Lab File: VN078557.D

Acq: 18 Jul 2023 13:37

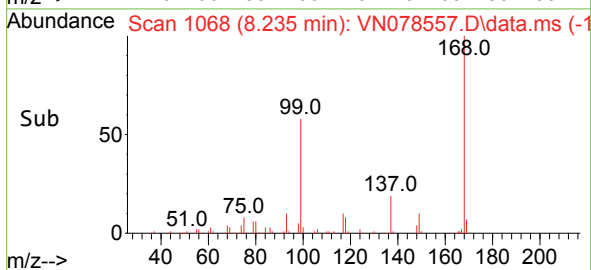
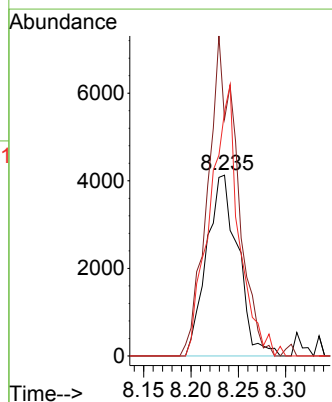
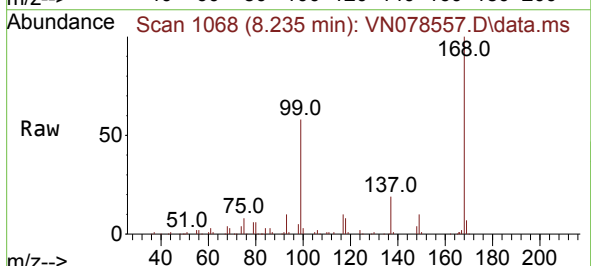
Tgt Ion: 56 Resp: 9523

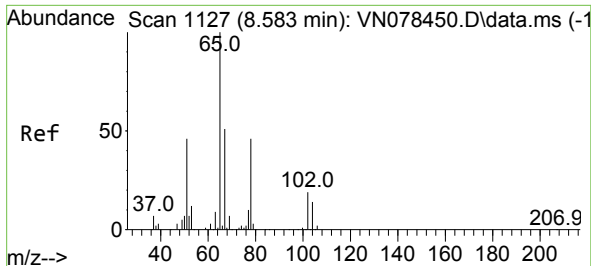
Ion Ratio Lower Upper

56 100

69 130.9 26.8 40.2#

84 135.1 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 48.784 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078557.D

Acq: 18 Jul 2023 13:37

Instrument :

MSVOA_N

ClientSampleId :

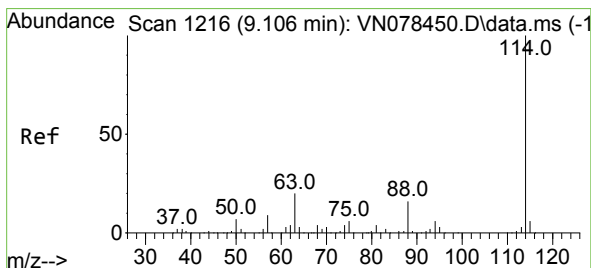
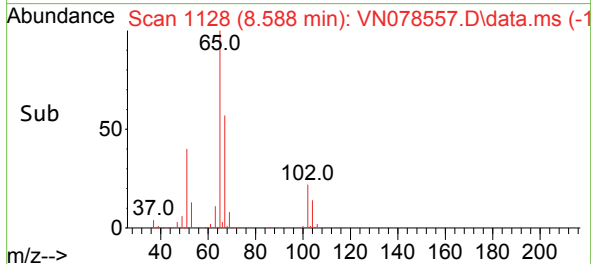
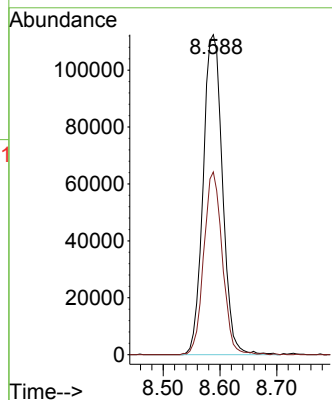
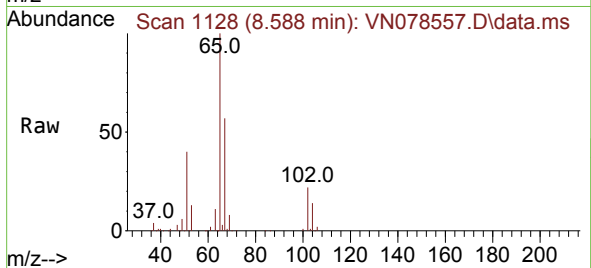
PB154251ZHE#02

Tgt Ion: 65 Resp: 265173

Ion Ratio Lower Upper

65 100

67 54.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078557.D

Acq: 18 Jul 2023 13:37

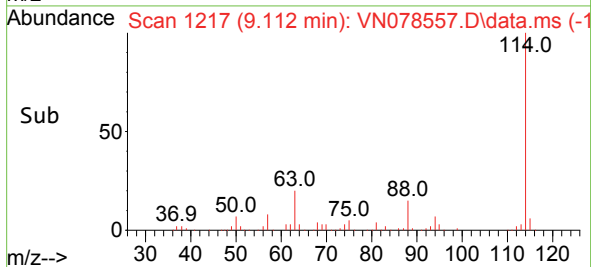
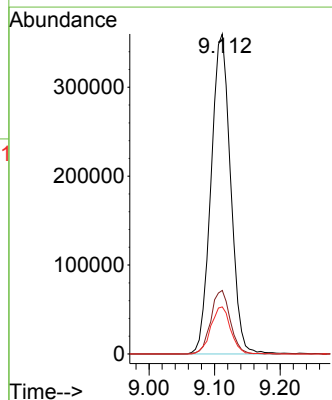
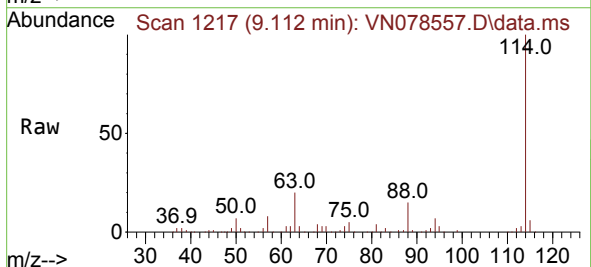
Tgt Ion: 114 Resp: 743370

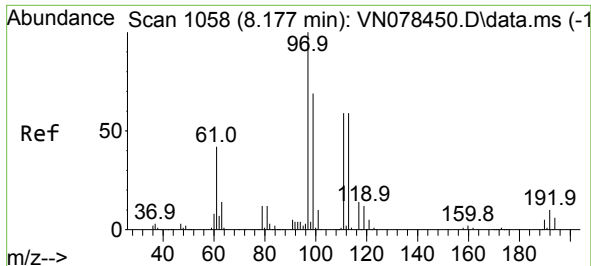
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 14.7 0.0 30.6

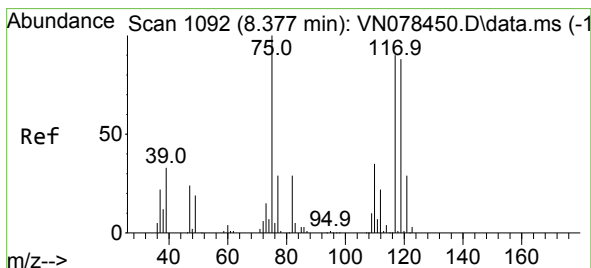
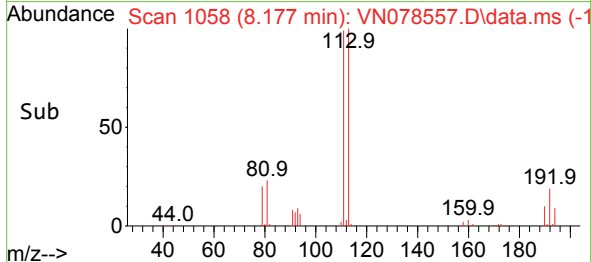
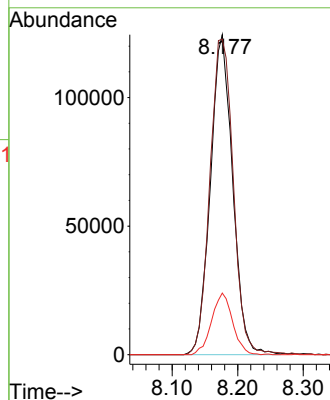
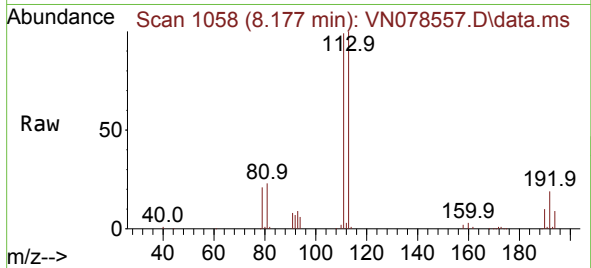




#35
Dibromofluoromethane
Concen: 57.970 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

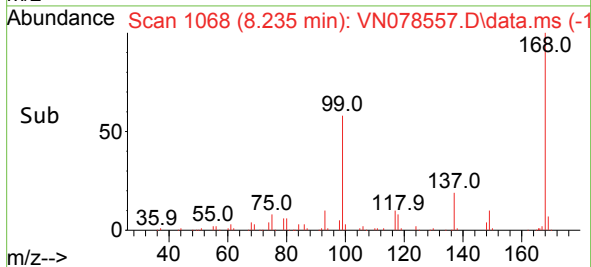
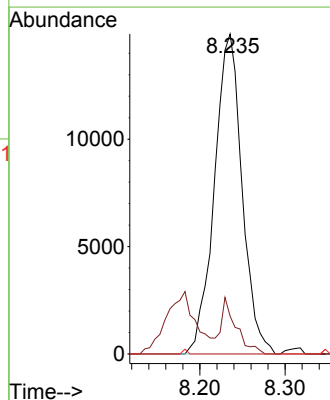
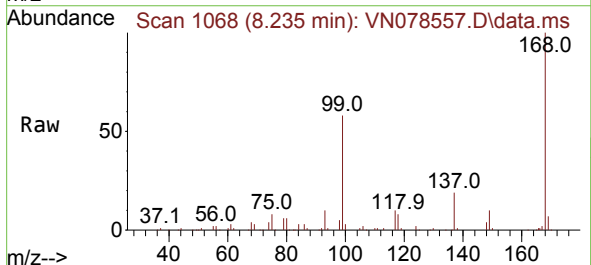
Instrument :
MSVOA_N
ClientSampleId :
PB154251ZHE#02

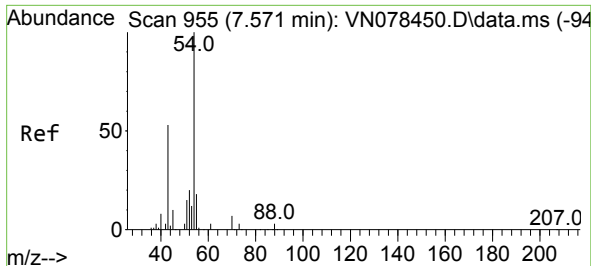
Tgt Ion:113 Resp: 292529
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 18.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.608 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion: 75 Resp: 33577
Ion Ratio Lower Upper
75 100
110 9.5 19.1 57.3#
77 0.0 25.0 37.4#

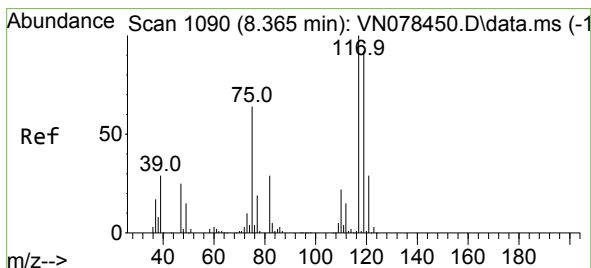
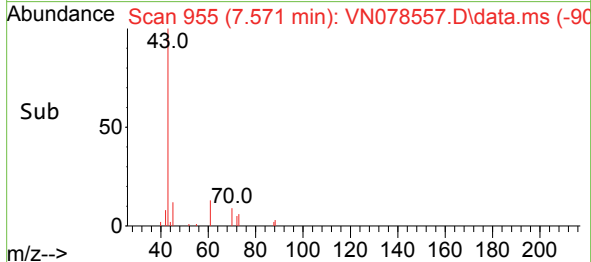
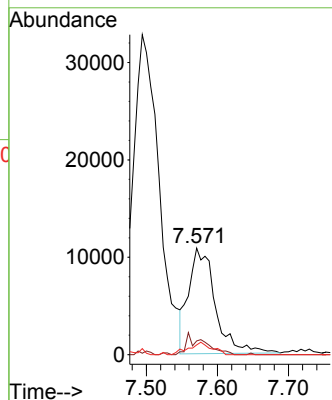
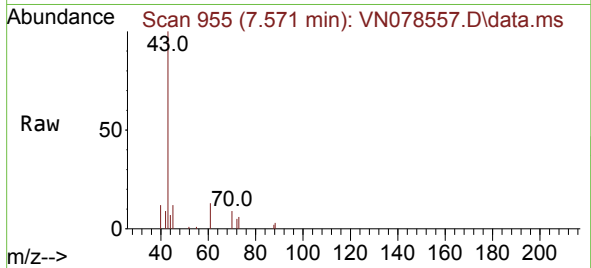




#37
Ethyl Acetate
Concen: 4.669 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

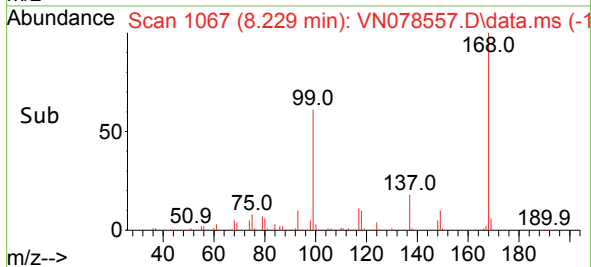
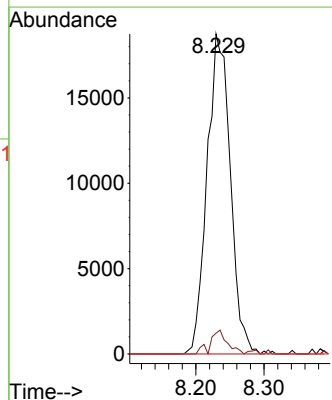
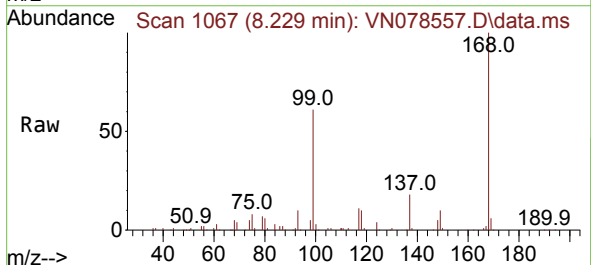
Instrument :
MSVOA_N
ClientSampleId :
PB154251ZHE#02

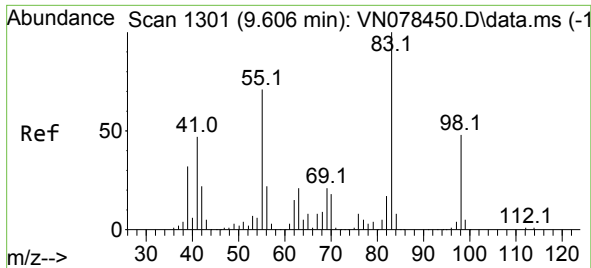
Tgt Ion: 43 Resp: 28361
Ion Ratio Lower Upper
43 100
61 6.4 13.2 19.8#
70 10.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.632 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.136 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion: 117 Resp: 44600
Ion Ratio Lower Upper
117 100
119 6.5 77.3 115.9#
121 0.0 23.3 34.9#

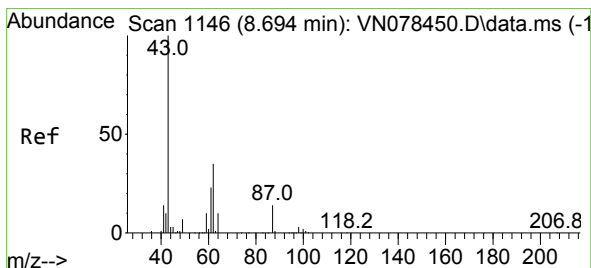
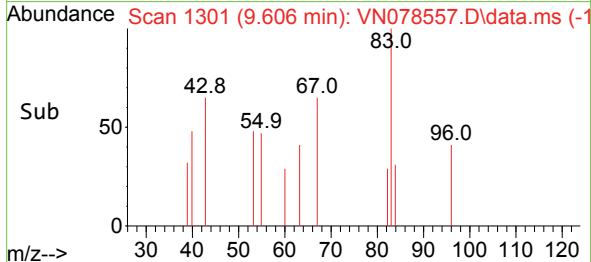
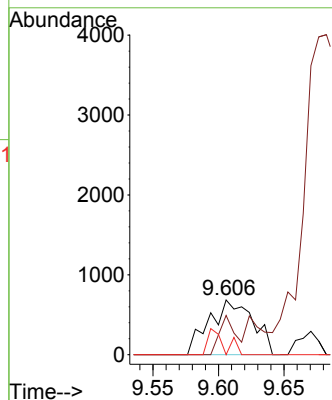
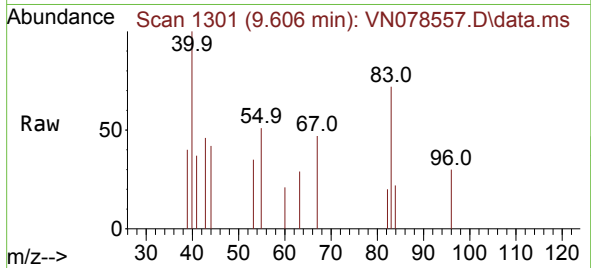




#39
Methylcyclohexane
Concen: 0.239 ug/l
RT: 9.606 min Scan# 1147
Delta R.T. -0.000 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

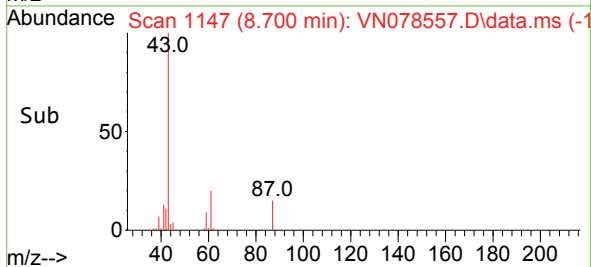
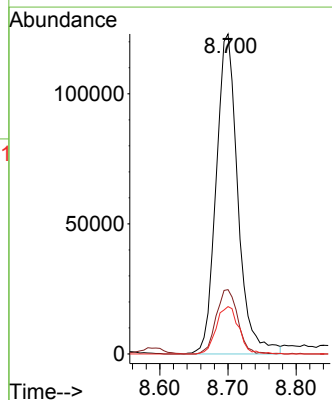
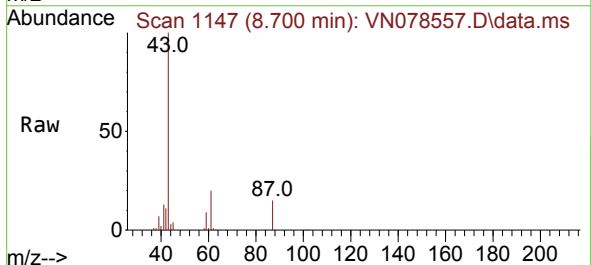
Instrument :
MSVOA_N
ClientSampleId :
PB154251ZHE#02

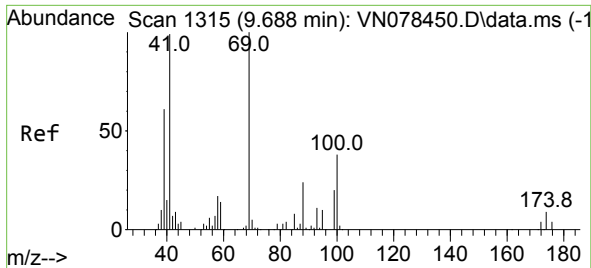
Tgt Ion: 83 Resp: 1592
Ion Ratio Lower Upper
83 100
55 71.6 49.1 73.7
98 0.0 40.6 61.0#



#43
Isopropyl Acetate
Concen: 27.291 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion: 43 Resp: 272913
Ion Ratio Lower Upper
43 100
61 20.1 24.7 37.1#
87 15.3 14.6 21.8

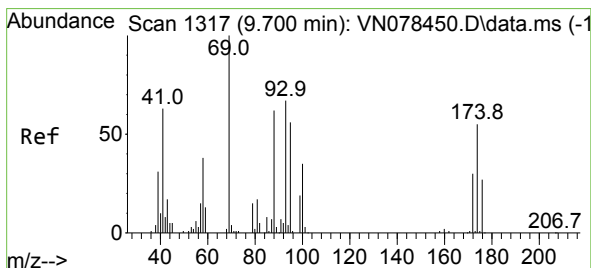
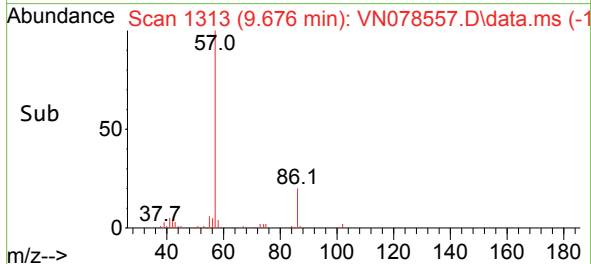
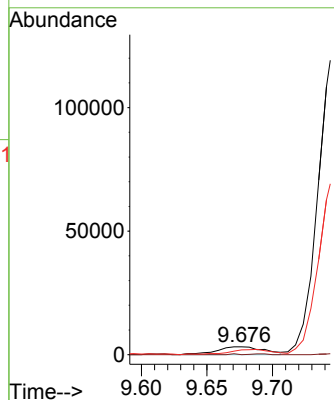
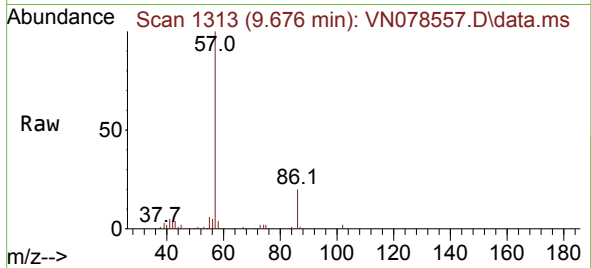




#48
Methyl methacrylate
Concen: 1.751 ug/l
RT: 9.676 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

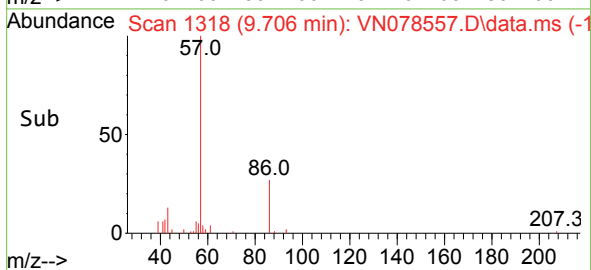
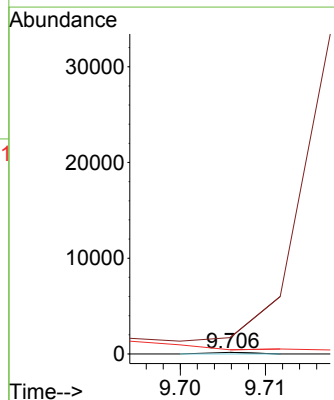
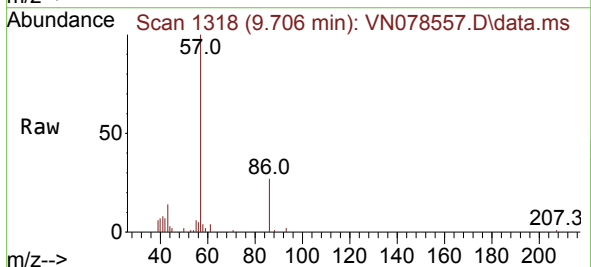
Instrument :
MSVOA_N
ClientSampleId :
PB154251ZHE#02

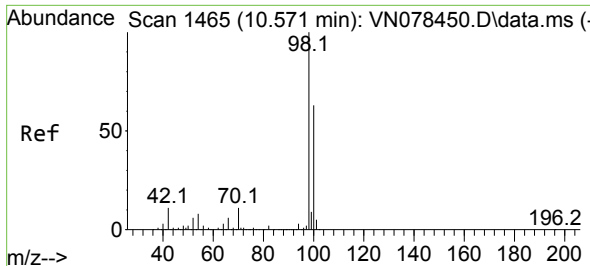
Tgt Ion: 41 Resp: 8113
Ion Ratio Lower Upper
41 100
69 1.7 90.4 135.6#
39 0.0 54.6 81.8#



#49
1,4-Dioxane
Concen: 0.574 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

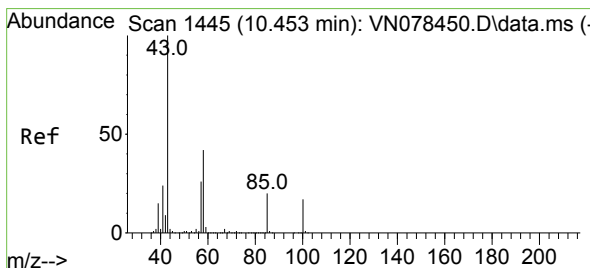
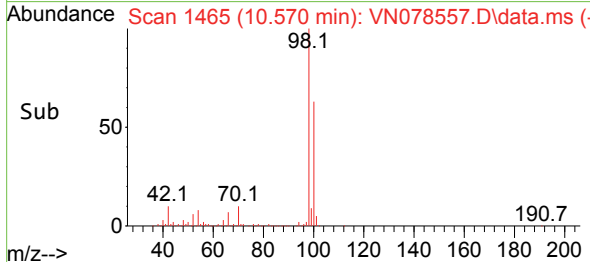
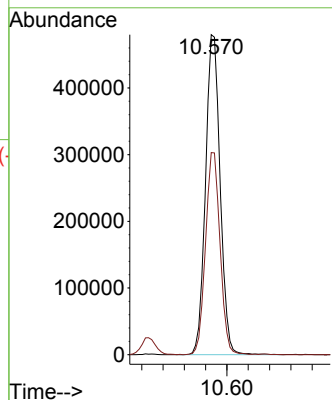
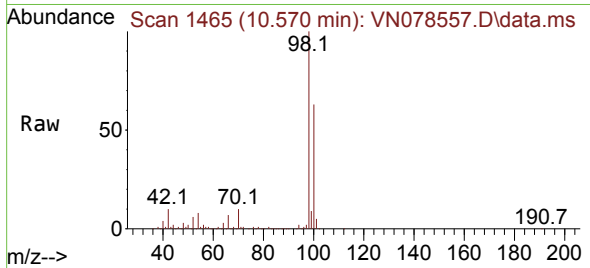




#50
Toluene-d8
Concen: 47.912 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

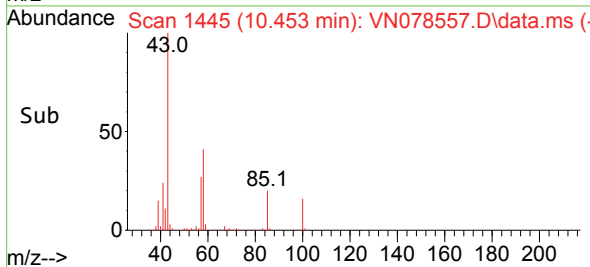
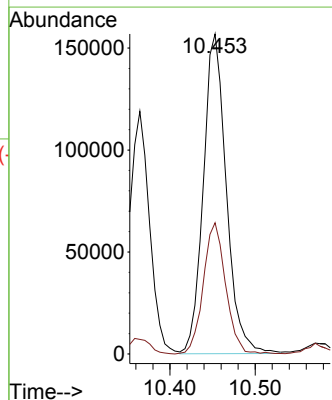
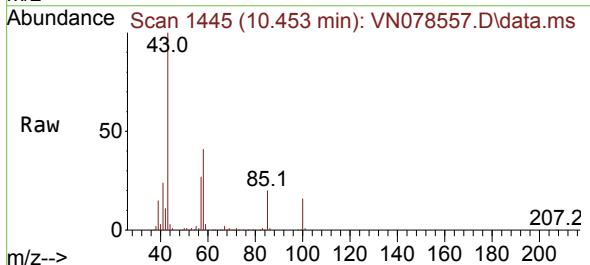
Instrument :
MSVOA_N
ClientSampleId :
PB154251ZHE#02

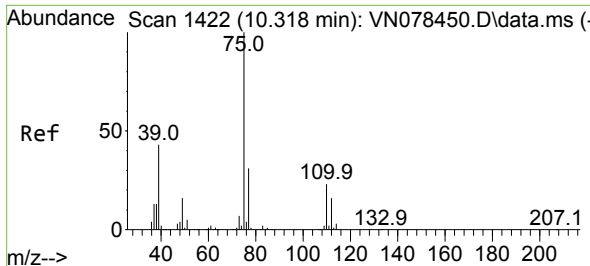
Tgt Ion: 98 Resp: 913345
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 49.423 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion: 43 Resp: 293976
Ion Ratio Lower Upper
43 100
58 40.0 36.6 54.8

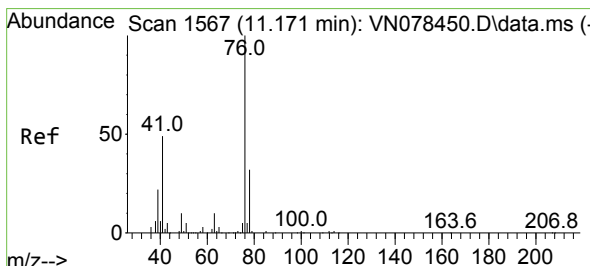
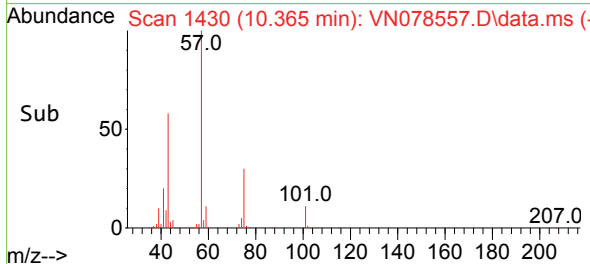
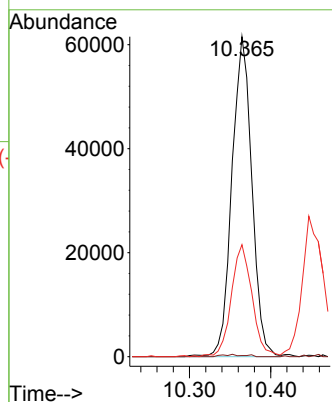
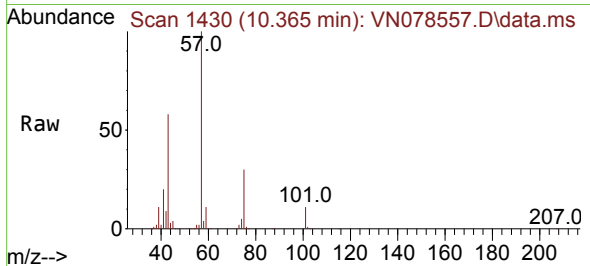




#54
 cis-1,3-Dichloropropene
 Concen: 12.444 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN078557.D
 Acq: 18 Jul 2023 13:37

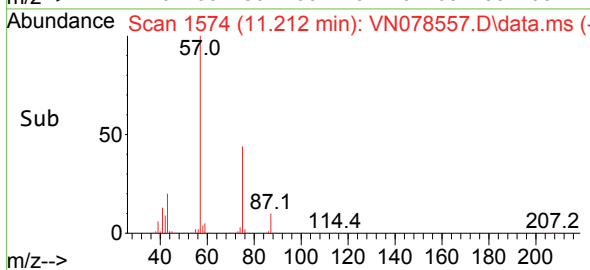
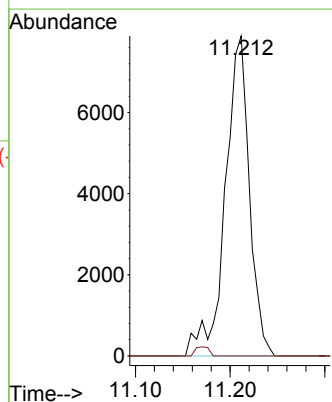
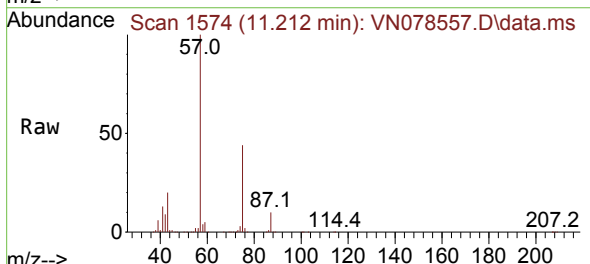
Instrument :
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 ClientSampleId :
 PB154251ZHE#02

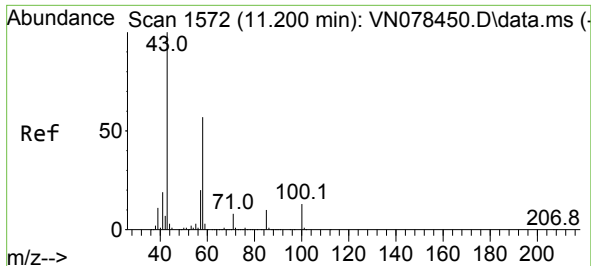
Tgt Ion: 75 Resp: 104817
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.1 39.1#
 39 34.7 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 1.560 ug/l
 RT: 11.212 min Scan# 1574
 Delta R.T. 0.041 min
 Lab File: VN078557.D
 Acq: 18 Jul 2023 13:37

Tgt Ion: 76 Resp: 13980
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

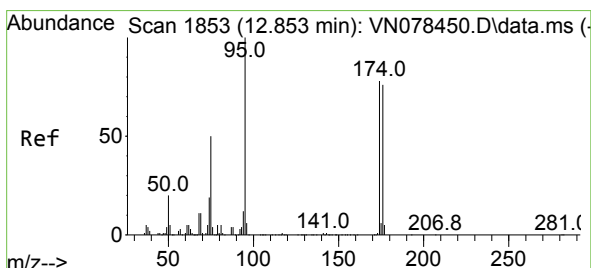
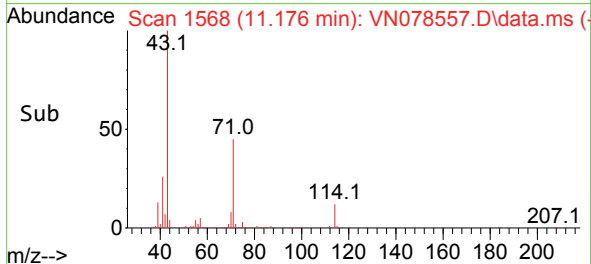
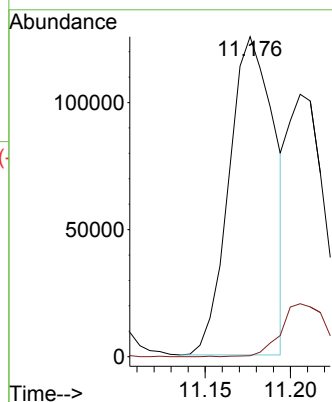
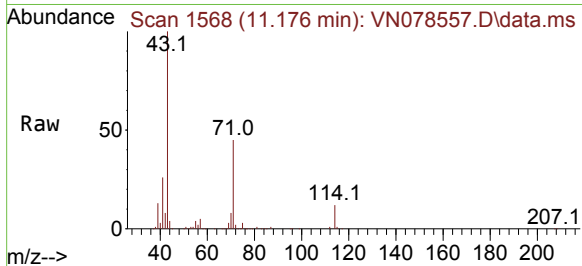




#59
2-Hexanone
Concen: 54.841 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

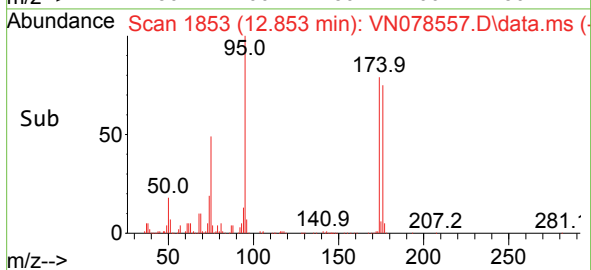
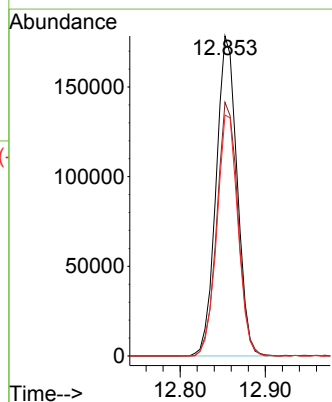
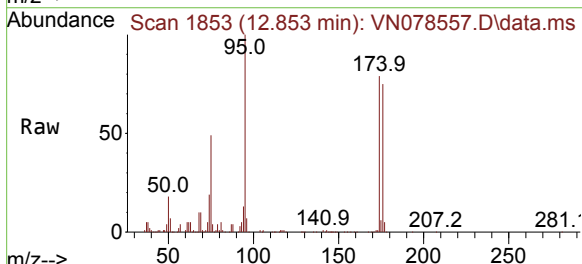
Instrument :
MSVOA_N
ClientSampleId :
PB154251ZHE#02

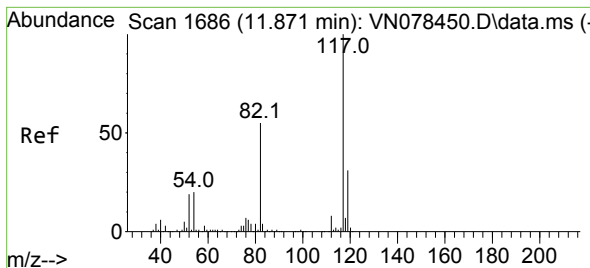
Tgt Ion: 43 Resp: 231835
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.951 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion: 95 Resp: 305048
Ion Ratio Lower Upper
95 100
174 79.8 0.0 143.8
176 75.4 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN078557.D

Acq: 18 Jul 2023 13:37

Instrument :

MSVOA_N

ClientSampleId :

PB154251ZHE#02

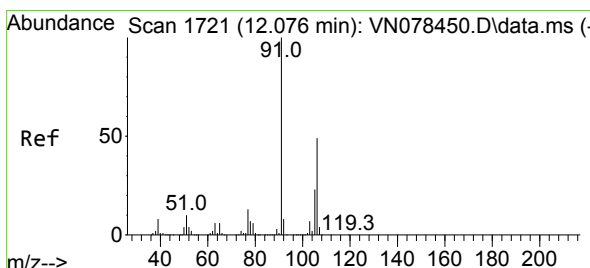
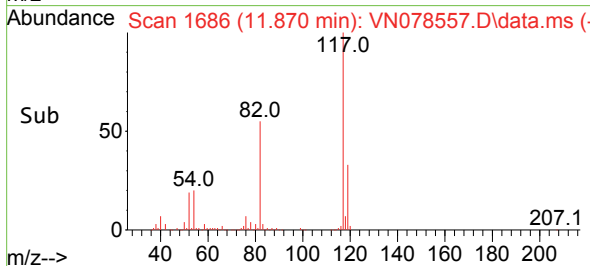
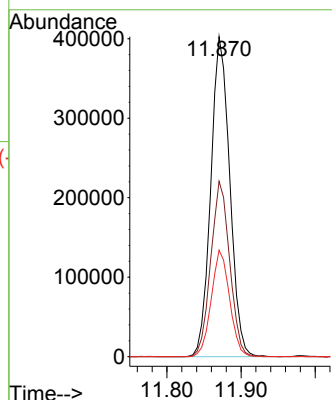
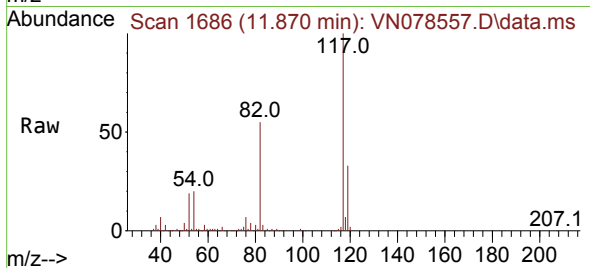
Tgt Ion:117 Resp: 715434

Ion Ratio Lower Upper

117 100

82 54.8 44.0 66.0

119 33.3 25.6 38.4



#68

m/p-Xylenes

Concen: 0.282 ug/l

RT: 12.088 min Scan# 1723

Delta R.T. 0.012 min

Lab File: VN078557.D

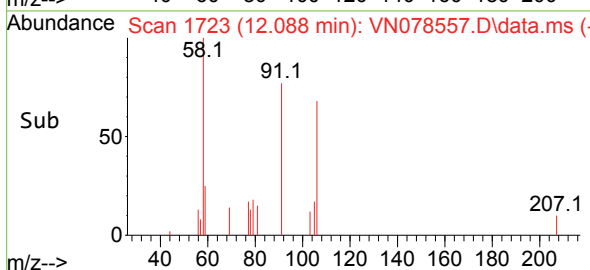
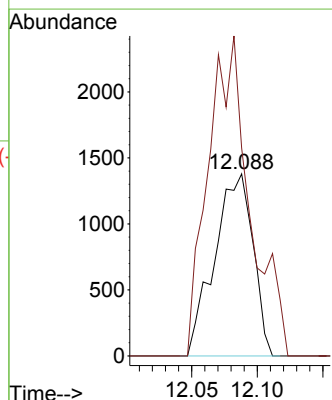
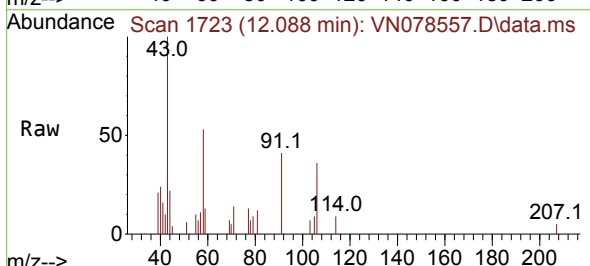
Acq: 18 Jul 2023 13:37

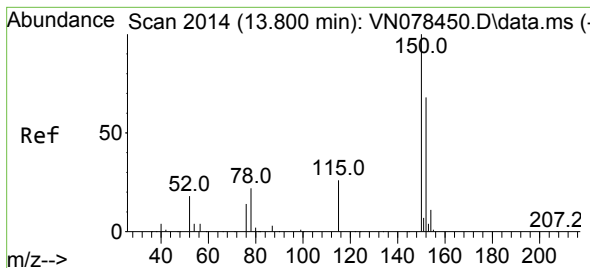
Tgt Ion:106 Resp: 2819

Ion Ratio Lower Upper

106 100

91 190.5 159.6 239.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078557.D

Acq: 18 Jul 2023 13:37

Instrument :

MSVOA_N

ClientSampleId :

PB154251ZHE#02

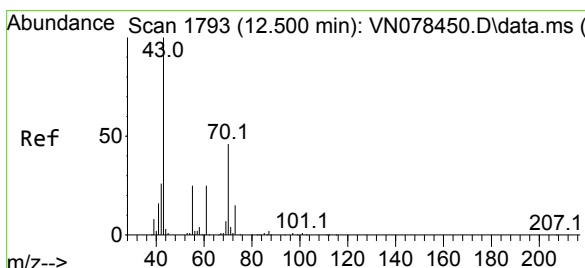
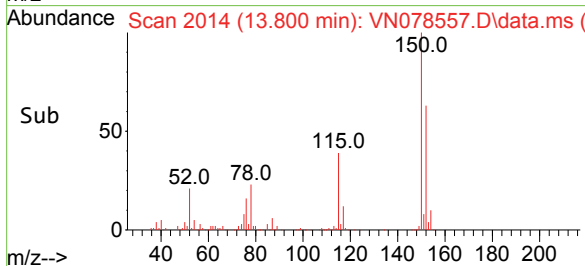
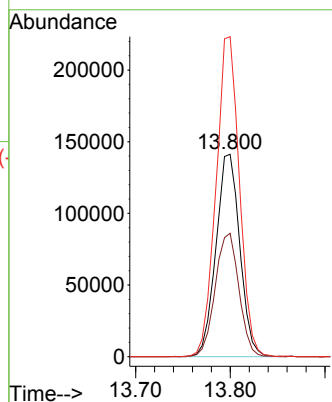
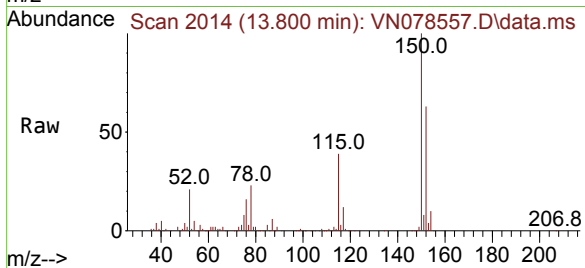
Tgt Ion:152 Resp: 246673

Ion Ratio Lower Upper

152 100

115 61.0 32.3 96.8

150 155.0 0.0 355.8



#74

N-ethyl acetate

Concen: 0.578 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.012 min

Lab File: VN078557.D

Acq: 18 Jul 2023 13:37

Tgt Ion: 43 Resp: 4617

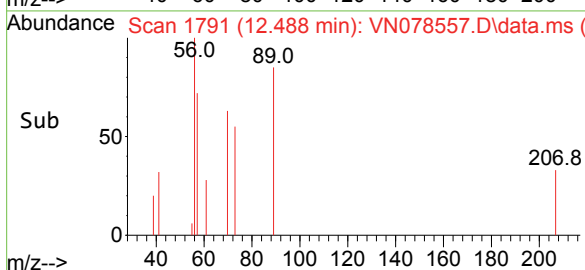
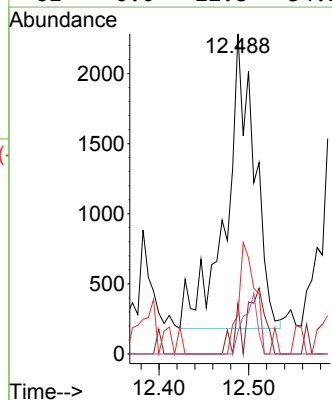
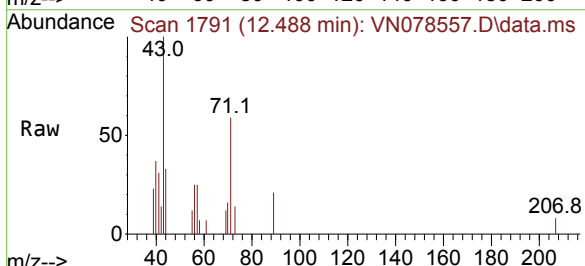
Ion Ratio Lower Upper

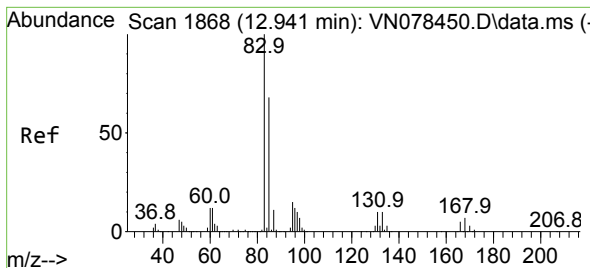
43 100

70 0.0 43.4 65.2#

55 21.9 21.4 32.0

61 0.0 22.8 34.2#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.941 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VN078557.D

Acq: 18 Jul 2023 13:37

Instrument :

MSVOA_N

ClientSampleId :

PB154251ZHE#02

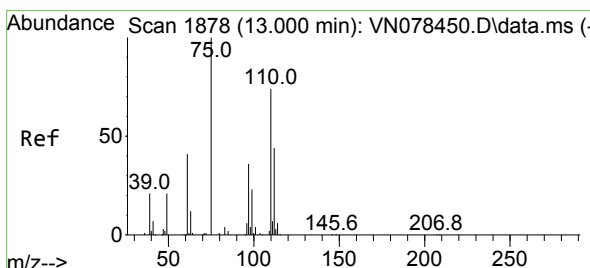
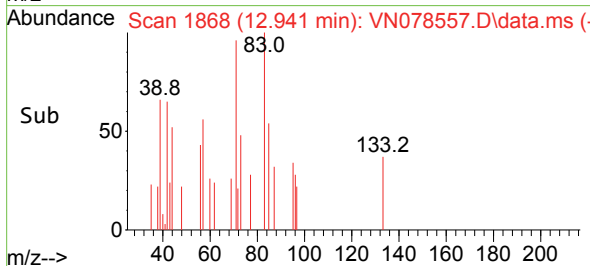
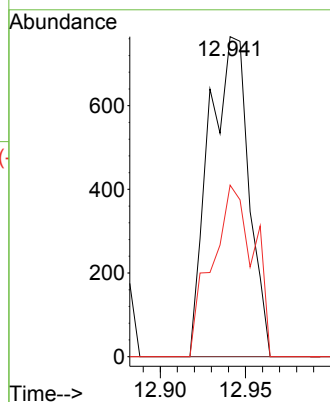
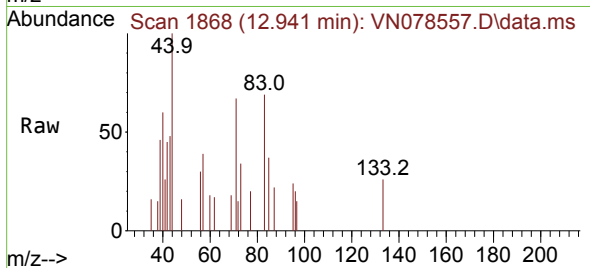
Tgt Ion: 83 Resp: 1239

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 56.4 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 26.417 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078557.D

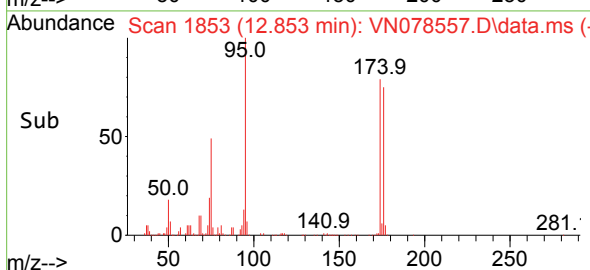
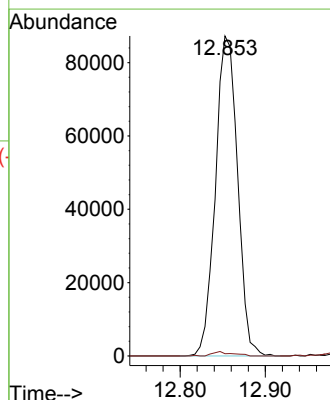
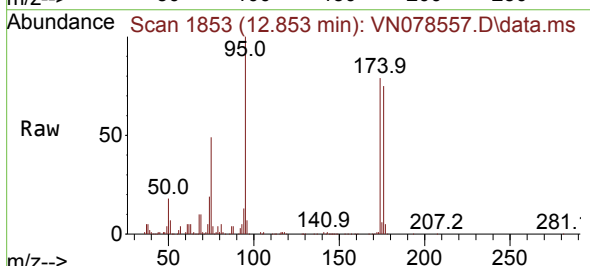
Acq: 18 Jul 2023 13:37

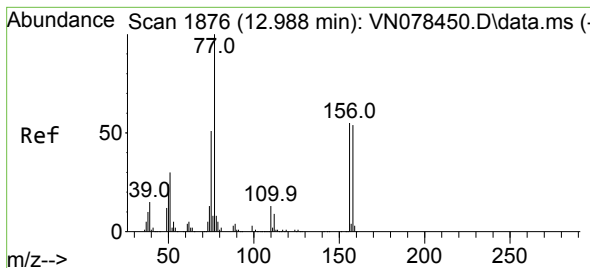
Tgt Ion: 75 Resp: 157508

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#





#77

Bromobenzene

Concen: Below Cal

RT: 12.994 min Scan# 1877

Delta R.T. 0.006 min

Lab File: VN078557.D

Acq: 18 Jul 2023 13:37

Instrument :

MSVOA_N

ClientSampleId :

PB154251ZHE#02

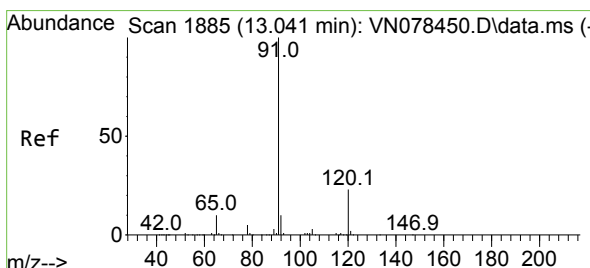
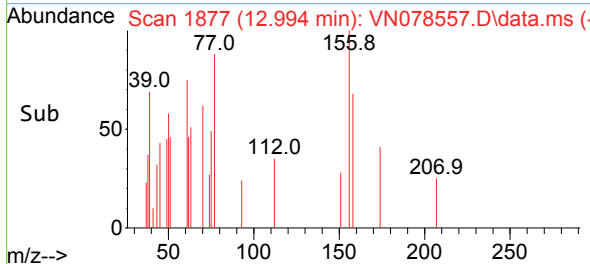
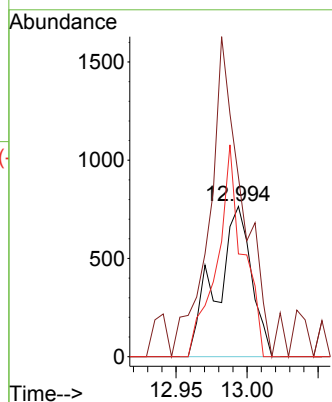
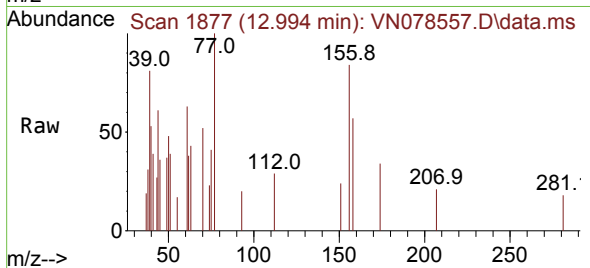
Tgt Ion:156 Resp: 1294

Ion Ratio Lower Upper

156 100

77 202.0 107.7 323.3

158 106.5 48.4 145.3



#78

n-propylbenzene

Concen: 0.206 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VN078557.D

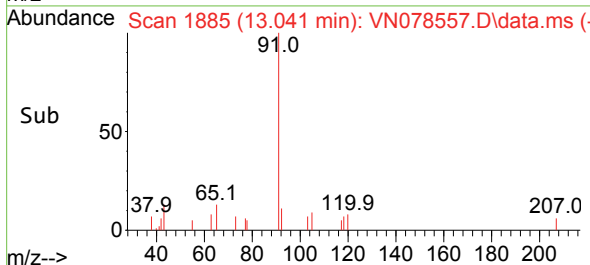
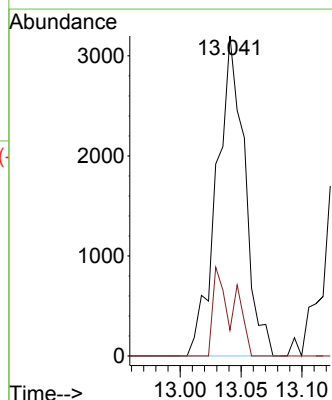
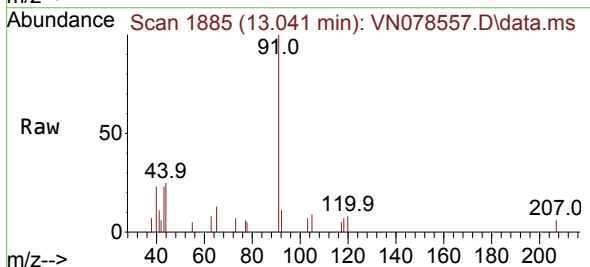
Acq: 18 Jul 2023 13:37

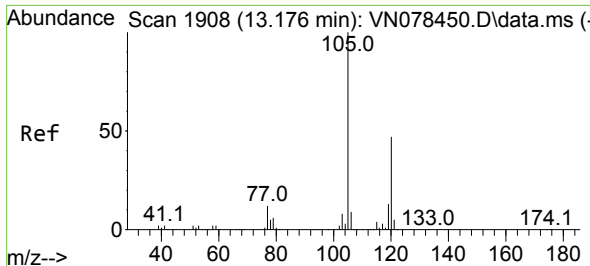
Tgt Ion: 91 Resp: 5114

Ion Ratio Lower Upper

91 100

120 19.7 11.5 34.4

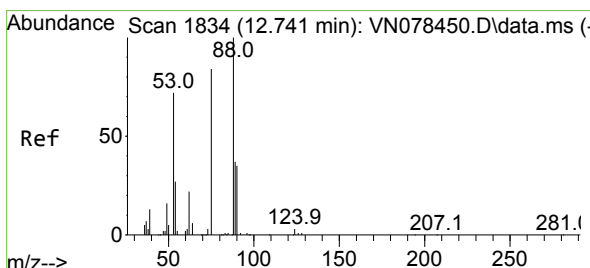
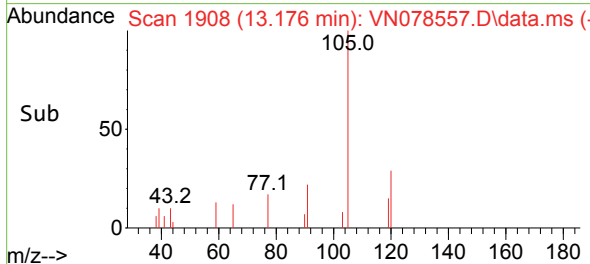
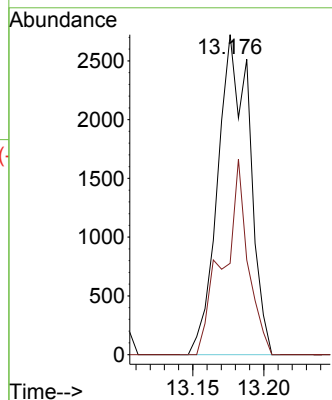
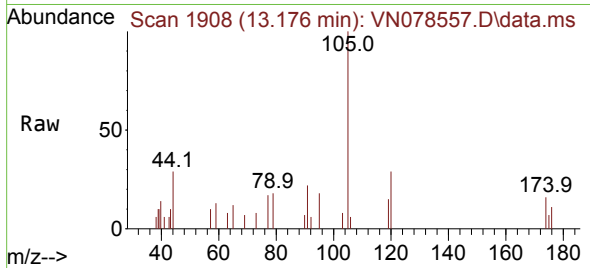




#80
 1,3,5-Trimethylbenzene
 Concen: 0.232 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN078557.D
 Acq: 18 Jul 2023 13:37

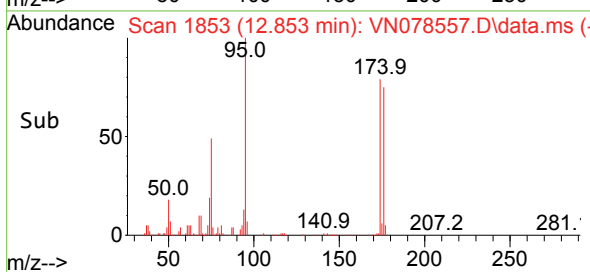
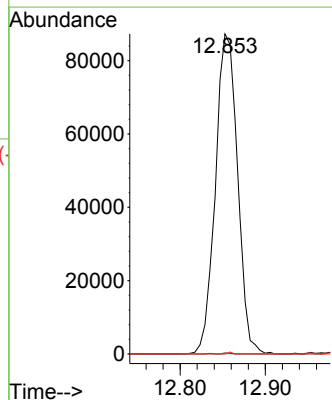
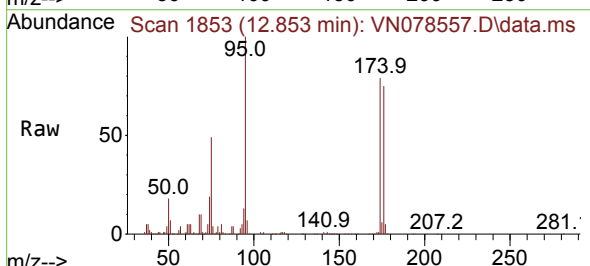
Instrument :
 MSVOA_N
 ClientSampleId :
 PB154251ZHE#02

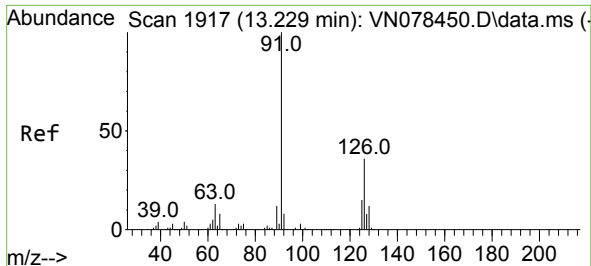
Tgt Ion:105 Resp: 4250
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.419 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078557.D
 Acq: 18 Jul 2023 13:37

Tgt Ion: 75 Resp: 157508
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#

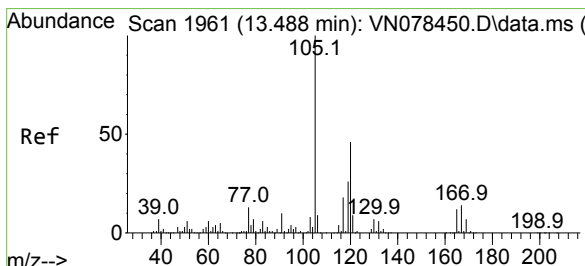
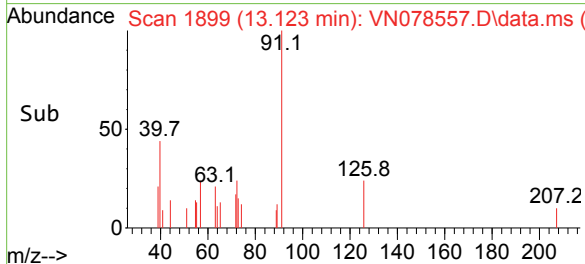
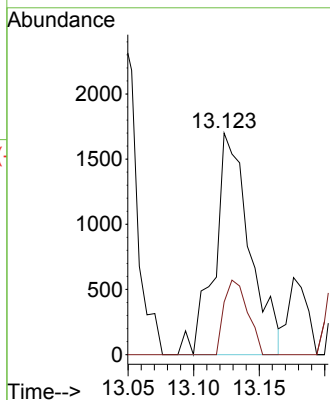
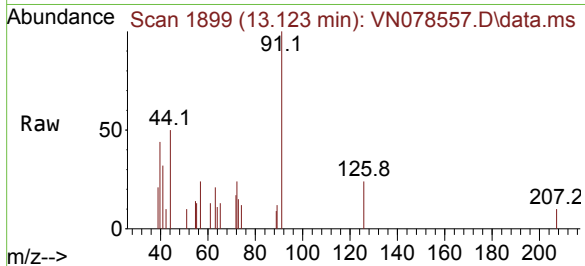




#82
4-Chlorotoluene
Concen: 0.209 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.106 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

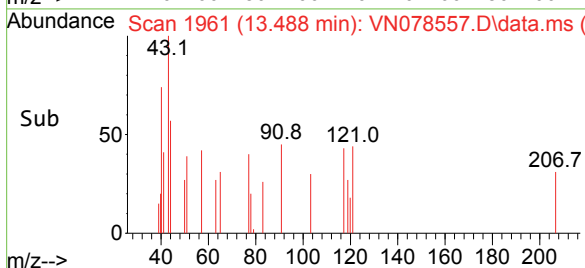
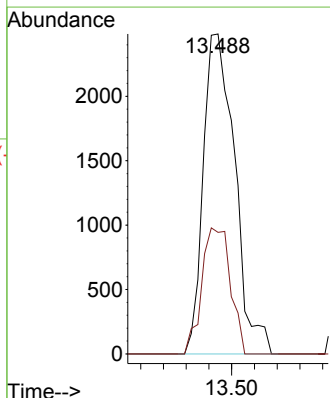
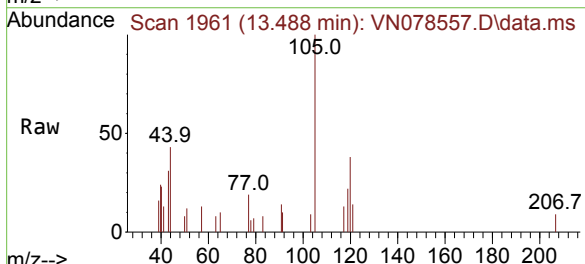
Instrument :
MSVOA_N
ClientSampleId :
PB154251ZHE#02

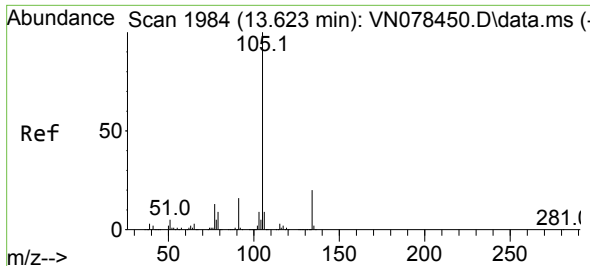
Tgt Ion: 91 Resp: 3164
Ion Ratio Lower Upper
91 100
126 22.7 16.7 50.0



#84
1,2,4-Trimethylbenzene
Concen: 0.268 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.000 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion: 105 Resp: 4776
Ion Ratio Lower Upper
105 100
120 35.8 22.0 66.0

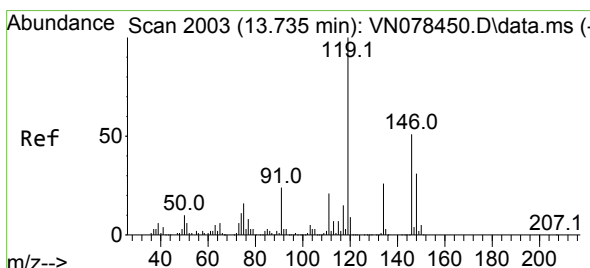
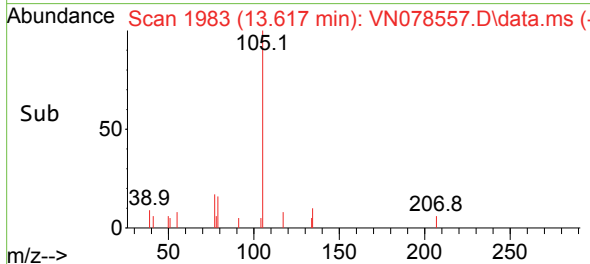
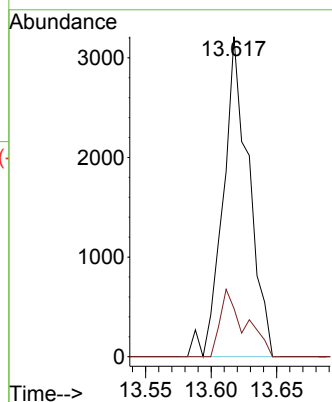
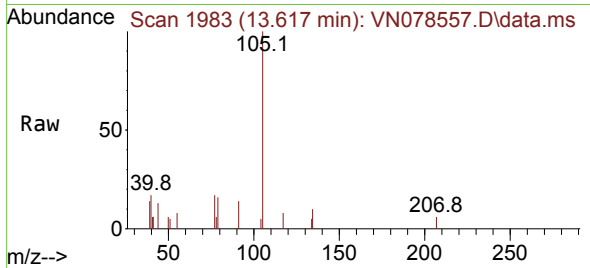




#85
 sec-Butylbenzene
 Concen: 0.224 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: VN078557.D
 Acq: 18 Jul 2023 13:37

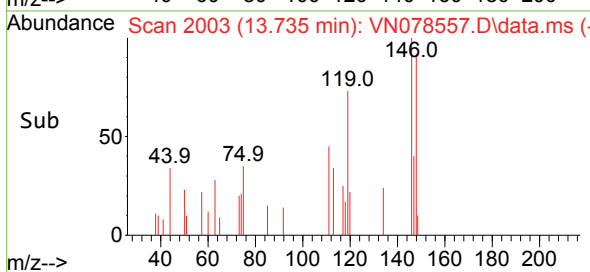
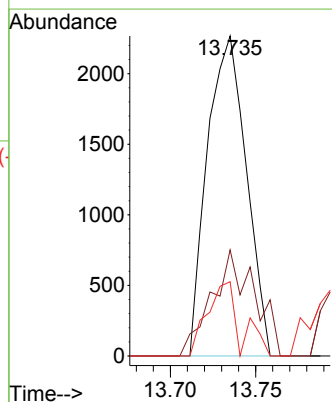
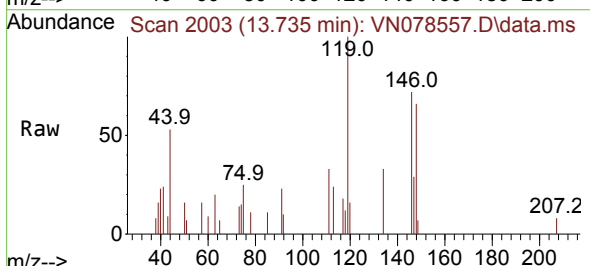
Instrument :
 MSVOA_N
 ClientSampleId :
 PB154251ZHE#02

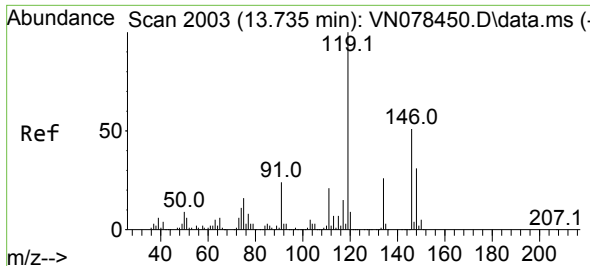
Tgt Ion:105 Resp: 4395
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 0.228 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.000 min
 Lab File: VN078557.D
 Acq: 18 Jul 2023 13:37

Tgt Ion:119 Resp: 3600
 Ion Ratio Lower Upper
 119 100
 134 36.3 12.6 37.8
 91 19.7 12.4 37.2

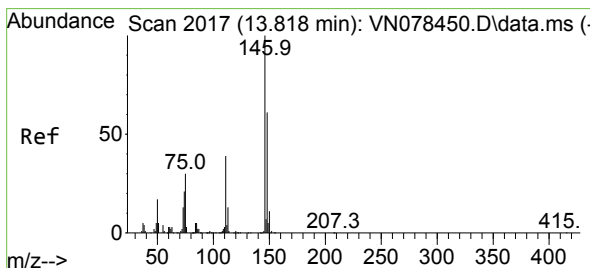
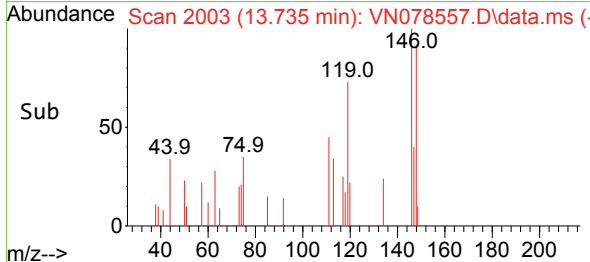
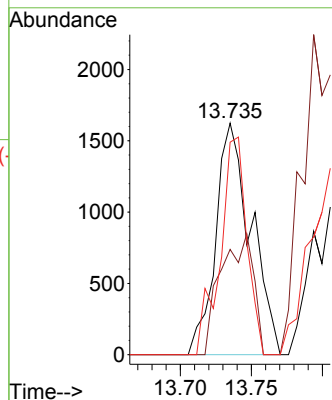
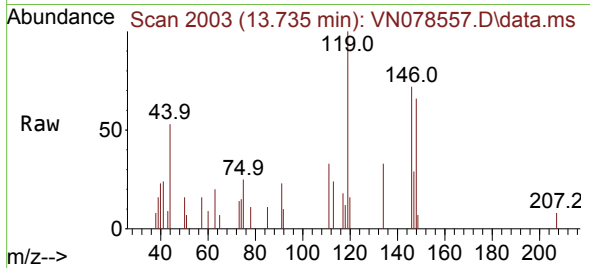




#87
1,3-Dichlorobenzene
Concen: 0.315 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

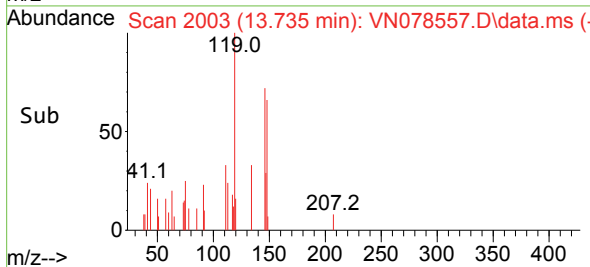
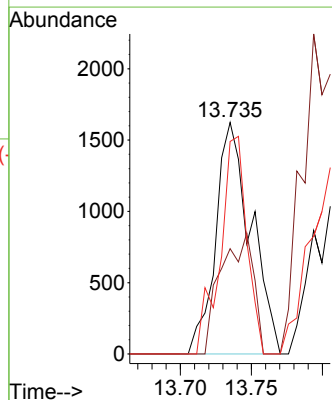
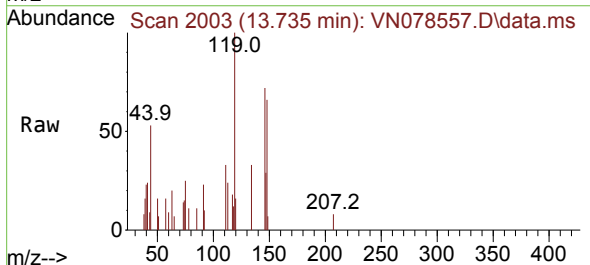
Instrument :
MSVOA_N
ClientSampleId :
PB154251ZHE#02

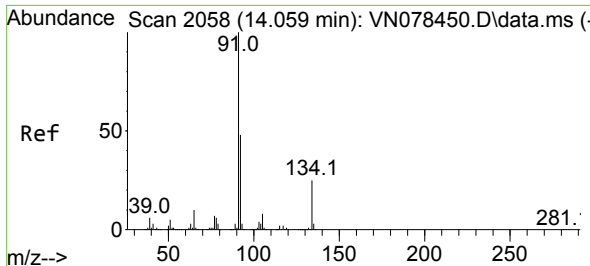
Tgt Ion:	146	Resp:	2806
Ion Ratio	Lower	Upper	
146	100		
111	48.2	22.1	66.3
148	71.0	32.0	96.0



#88
1,4-Dichlorobenzene
Concen: 0.313 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.083 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion:	146	Resp:	2806
Ion Ratio	Lower	Upper	
146	100		
111	48.2	20.6	61.8
148	71.0	31.6	94.8

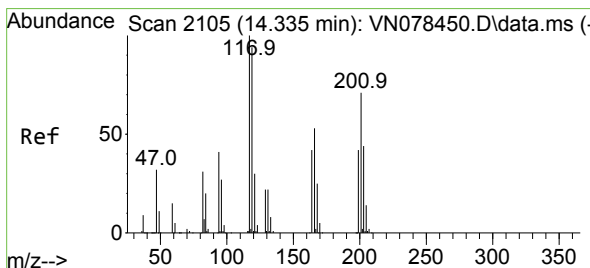
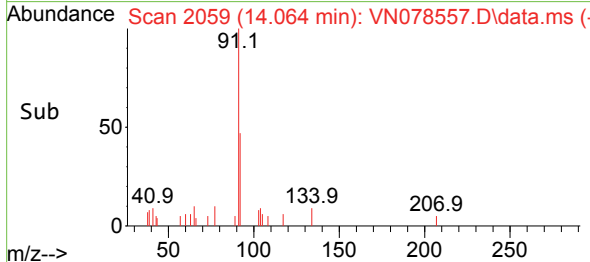
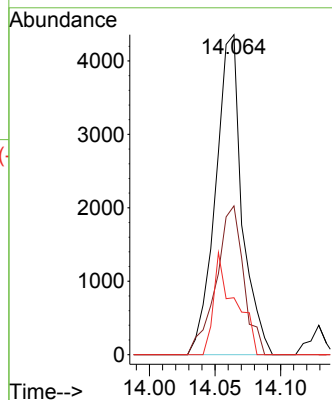
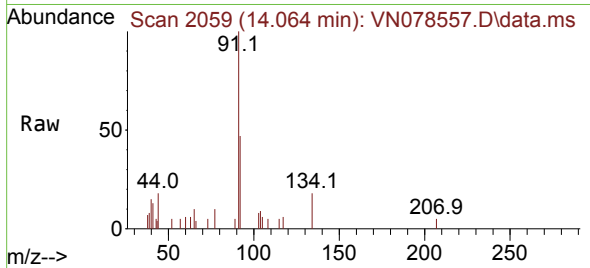




#89
n-Butylbenzene
Concen: 0.542 ug/l
RT: 14.064 min Scan# 2058
Delta R.T. 0.005 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

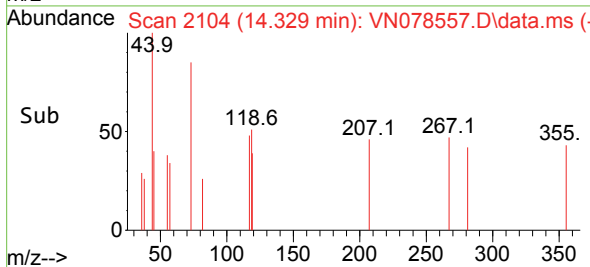
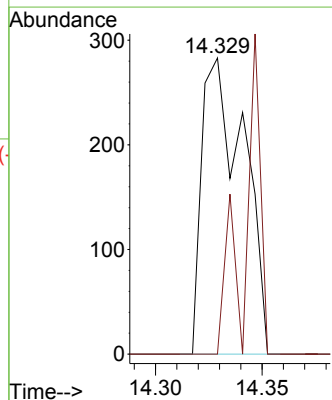
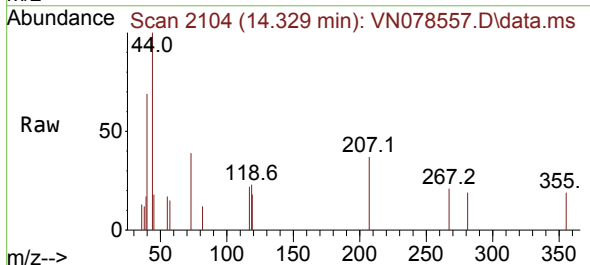
Instrument :
MSVOA_N
ClientSampleId :
PB154251ZHE#02

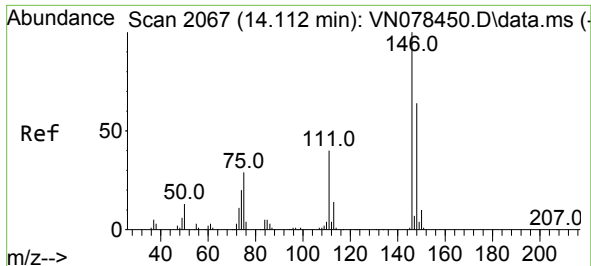
Tgt Ion: 91 Resp: 6120
Ion Ratio Lower Upper
91 100
92 48.2 26.4 79.0
134 25.7 12.6 37.6



#90
Hexachloroethane
Concen: Below Cal
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion: 117 Resp: 386
Ion Ratio Lower Upper
117 100
201 42.0 29.3 88.0

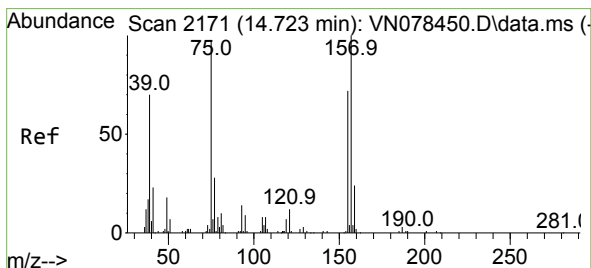
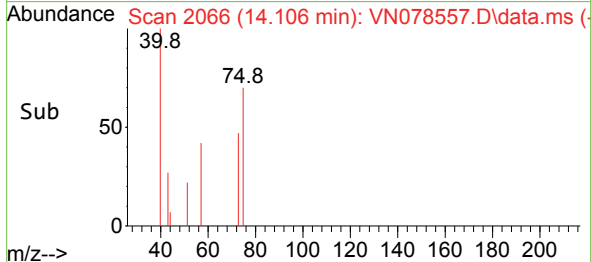
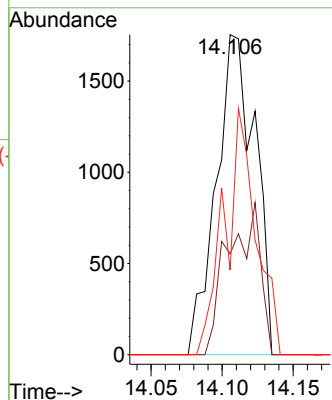
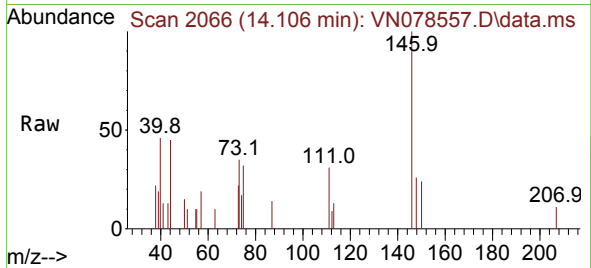




#91
1,2-Dichlorobenzene
Concen: 0.376 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

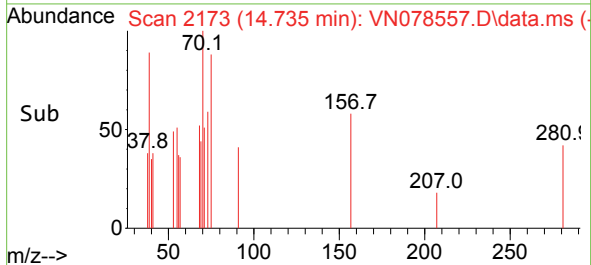
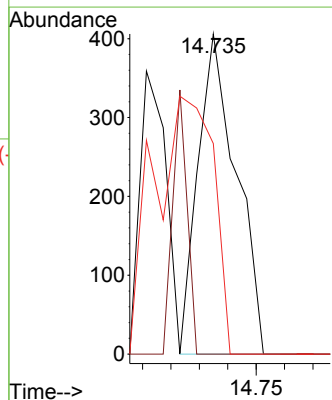
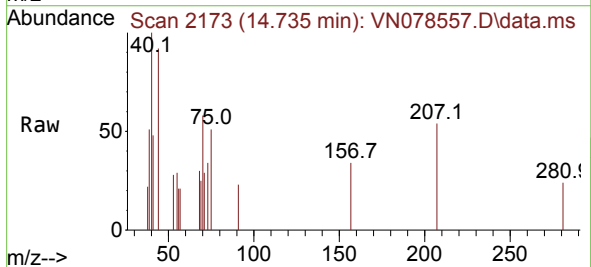
Instrument :
MSVOA_N
ClientSampleId :
PB154251ZHE#02

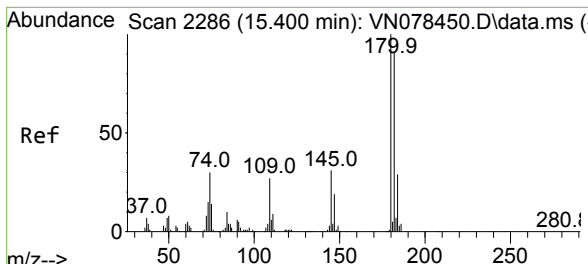
Tgt Ion:146 Resp: 3329
Ion Ratio Lower Upper
146 100
111 39.4 22.0 66.0
148 62.1 31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.735 min Scan# 2173
Delta R.T. 0.012 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion: 75 Resp: 381
Ion Ratio Lower Upper
75 100
155 31.0 39.1 117.2#
157 124.7 50.3 150.9

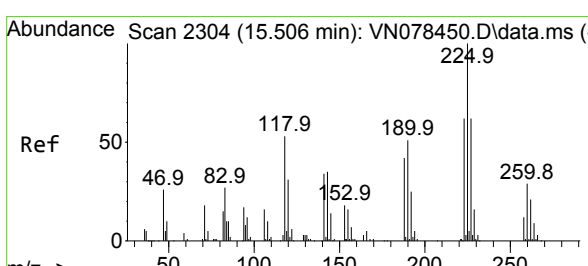
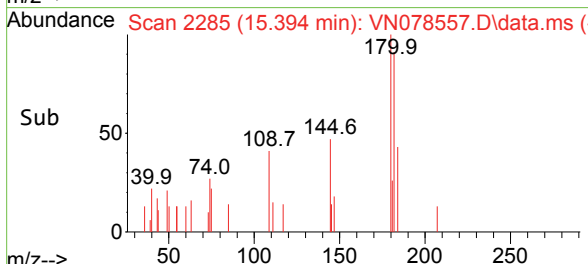
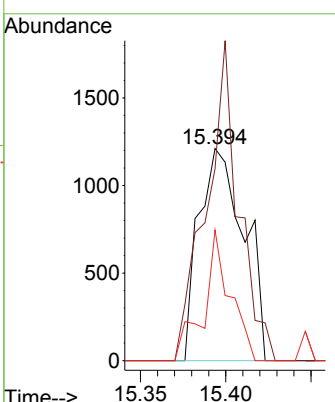
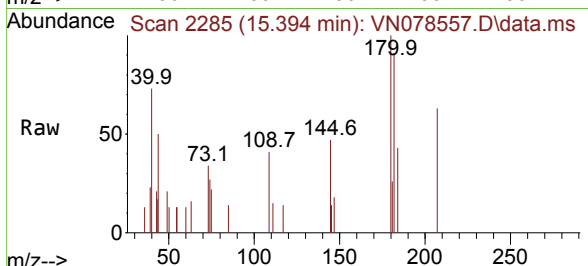




#93
 1,2,4-Trichlorobenzene
 Concen: 0.792 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN078557.D
 Acq: 18 Jul 2023 13:37

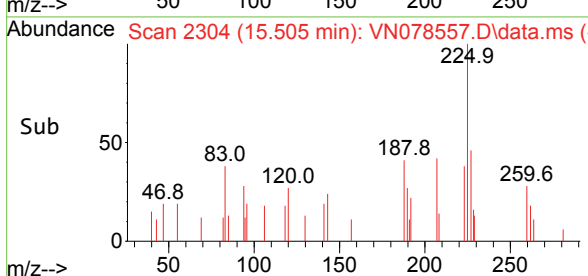
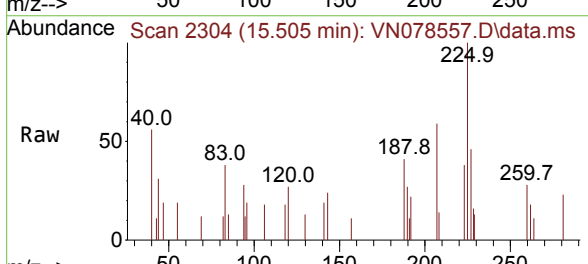
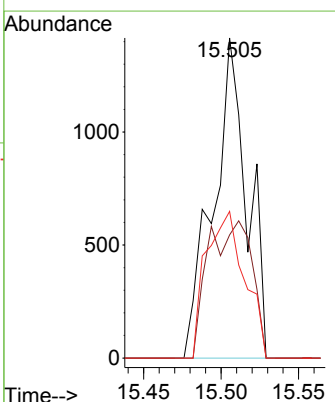
Instrument :
 MSVOA_N
 ClientSampleId :
 PB154251ZHE#02

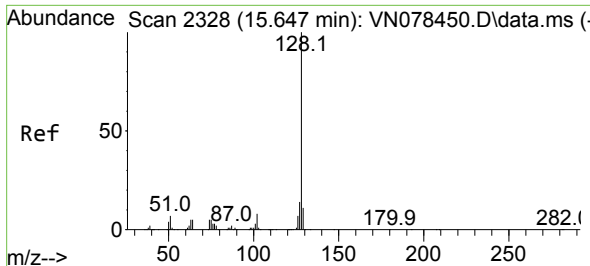
Tgt Ion:	180	Resp:	2237
Ion Ratio	Lower	Upper	
180	100		
182	108.0	46.1	138.2
145	35.9	16.6	49.8



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.505 min Scan# 2304
 Delta R.T. -0.001 min
 Lab File: VN078557.D
 Acq: 18 Jul 2023 13:37

Tgt Ion:	225	Resp:	2149
Ion Ratio	Lower	Upper	
225	100		
223	55.4	31.3	93.8
227	52.1	31.9	95.9

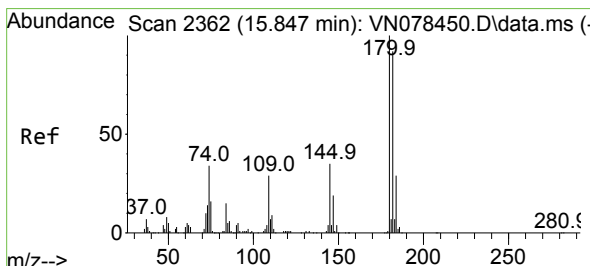
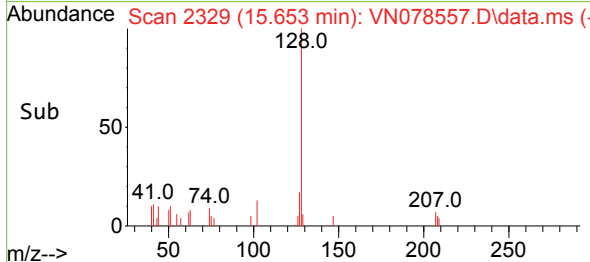
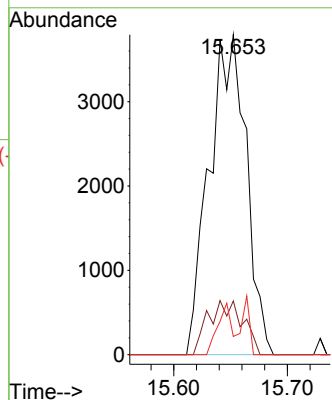
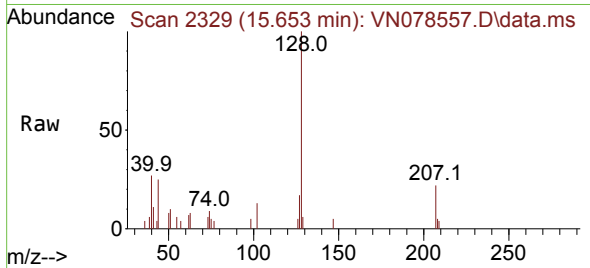




#95
Naphthalene
Concen: 0.891 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Instrument :
MSVOA_N
ClientSampleId :
PB154251ZHE#02

Tgt Ion:128 Resp: 8610
Ion Ratio Lower Upper
128 100
127 15.7 10.0 15.0#
129 7.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.862 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN078557.D
Acq: 18 Jul 2023 13:37

Tgt Ion:180 Resp: 2802
Ion Ratio Lower Upper
180 100
182 107.0 46.2 138.6
145 40.5 17.5 52.6

