

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060223\
 Data File : VN078025.D
 Acq On : 02 Jun 2023 12:33
 Operator : JC\MD
 Sample : PB153165ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153165ZHE#02

Quant Time: Jun 05 01:10:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

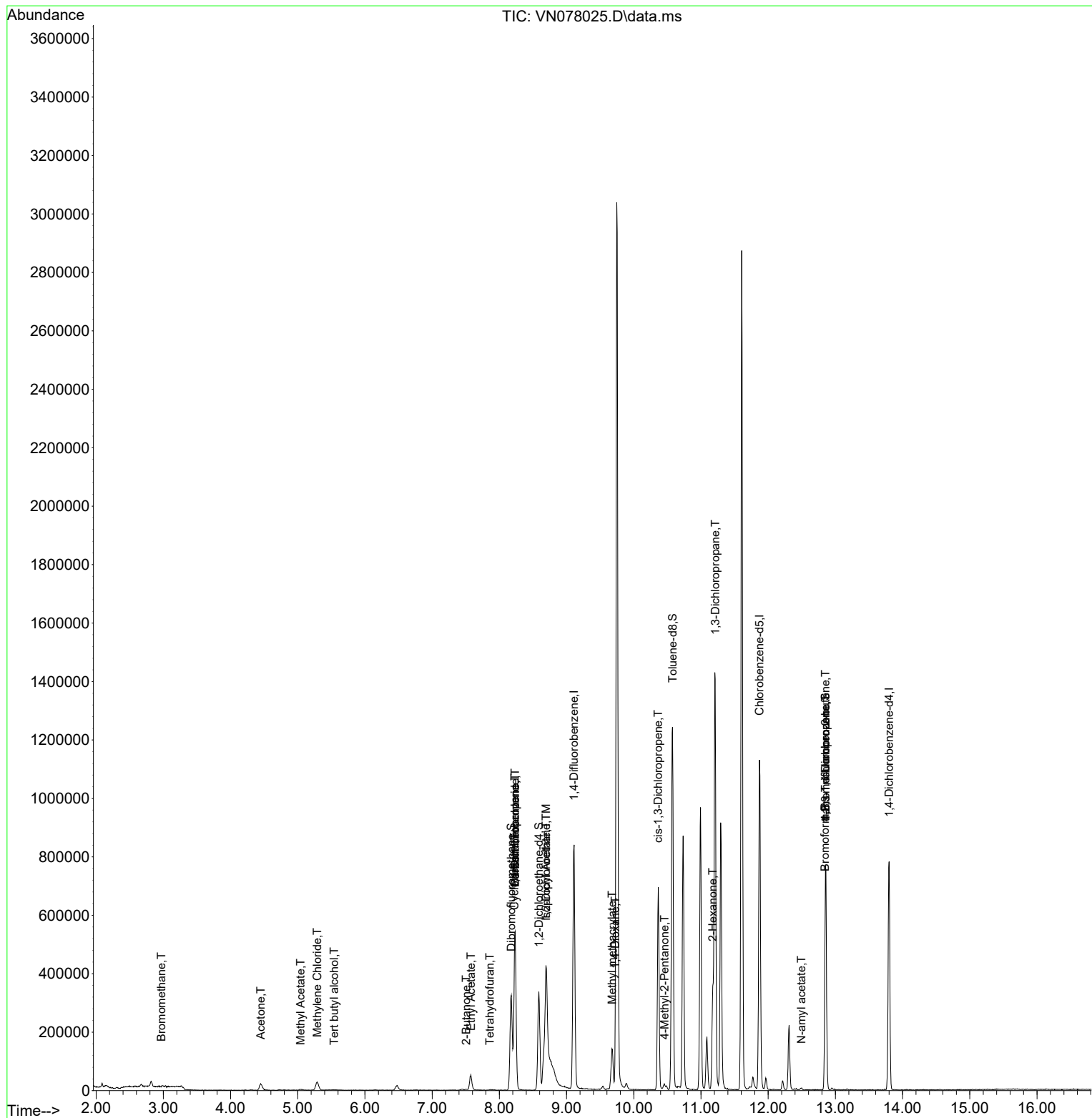
Internal Standards						
1) Pentafluorobenzene	8.235	168	393484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	742020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	677622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	218584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	273423	46.441	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.880%		
35) Dibromofluoromethane	8.177	113	237721	49.130	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.260%		
50) Toluene-d8	10.576	98	914735	49.115	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.240%		
62) 4-Bromofluorobenzene	12.853	95	275722	41.918	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.840%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1281	Below Cal	#	74
5) Bromomethane	2.971	94	2194	0.525	ug/l #	26
11) Tert butyl alcohol	5.541	59	696	0.857	ug/l #	72
13) Acrolein	4.183	56	59	Below Cal	#	1
16) Acetone	4.447	43	41861	22.600	ug/l	94
18) Methyl Acetate	5.042	43	6282	0.808	ug/l #	68
20) Methylene Chloride	5.289	84	23575	3.034	ug/l	96
25) 2-Butanone	7.506	43	4205	1.451	ug/l	88
29) Tetrahydrofuran	7.859	42	1160	0.611	ug/l #	64
31) Cyclohexane	8.224	56	9418	1.177	ug/l #	43
36) 1,1-Dichloropropene	8.230	75	35534	5.021	ug/l #	48
37) Ethyl Acetate	7.577	43	76412	12.114	ug/l	96
38) Carbon Tetrachloride	8.235	117	44066	6.166	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	3420	0.451	ug/l	83
43) Isopropyl Acetate	8.694	43	772837	75.007	ug/l #	65
48) Methyl methacrylate	9.677	41	8572	1.755	ug/l #	33
49) 1,4-Dioxane	9.724	88	109	1.181	ug/l #	30
51) 4-Methyl-2-Pentanone	10.459	43	13353	2.180	ug/l	92
54) cis-1,3-Dichloropropene	10.365	75	129013	15.148	ug/l #	67
57) 1,3-Dichloropropane	11.212	76	16007	1.809	ug/l #	42
59) 2-Hexanone	11.176	43	271267	59.882	ug/l #	19
71) Bromoform	12.847	173	1100	0.325	ug/l #	28
74) N-amyl acetate	12.494	43	3267	0.469	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	148393	27.108	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	148393	86.651	ug/l #	15

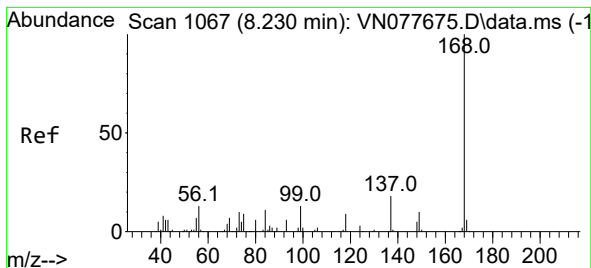
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078025.D

Acq: 02 Jun 2023 12:33

Instrument :

MSVOA_N

ClientSampleId :

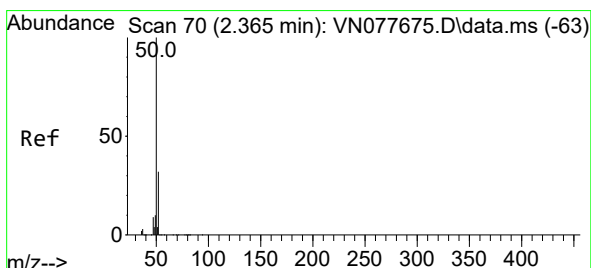
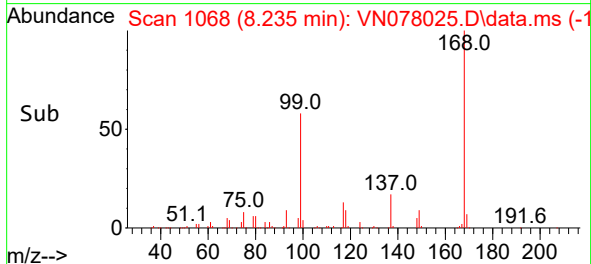
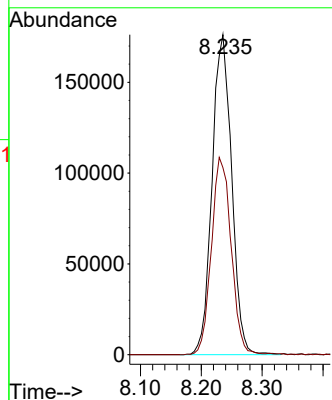
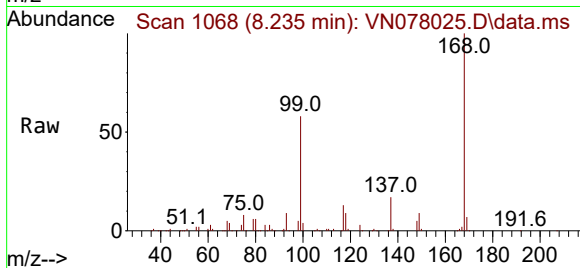
PB153165ZHE#02

Tgt Ion:168 Resp: 393484

Ion Ratio Lower Upper

168 100

99 58.4 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN078025.D

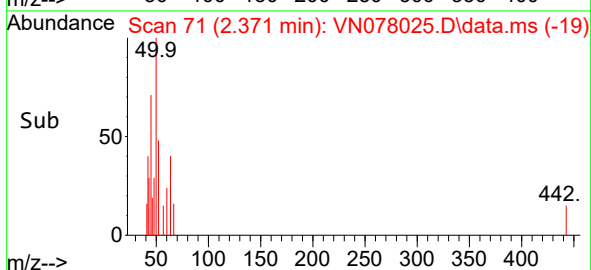
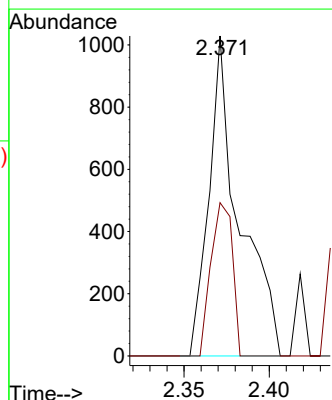
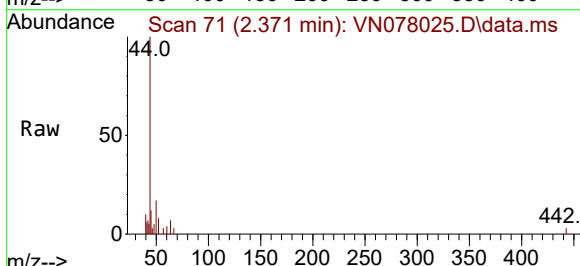
Acq: 02 Jun 2023 12:33

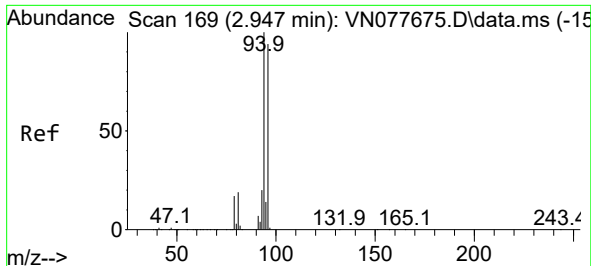
Tgt Ion: 50 Resp: 1281

Ion Ratio Lower Upper

50 100

52 47.9 26.5 39.7#

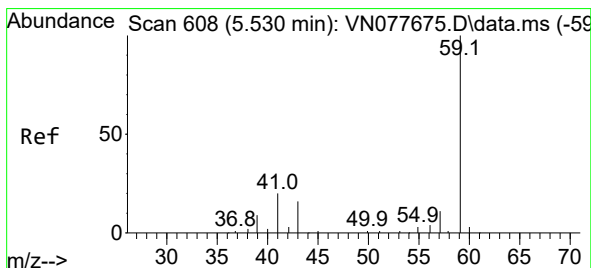
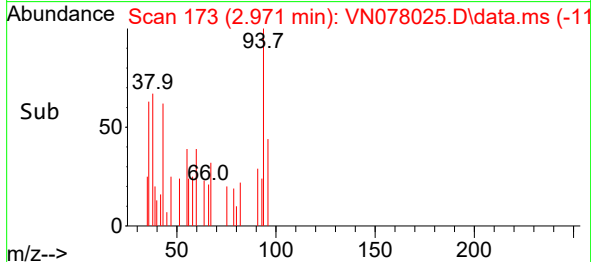
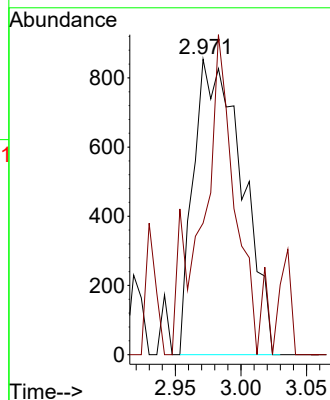
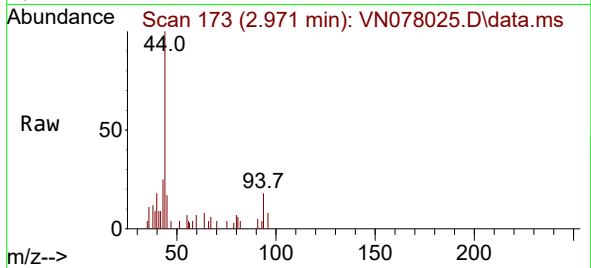




#5
Bromomethane
Concen: 0.525 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

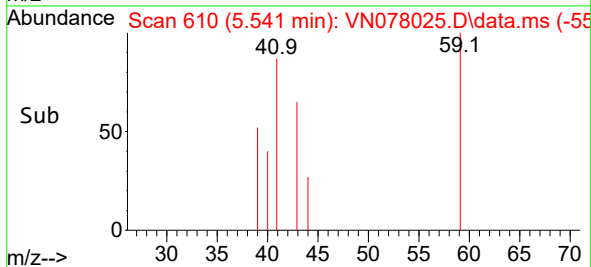
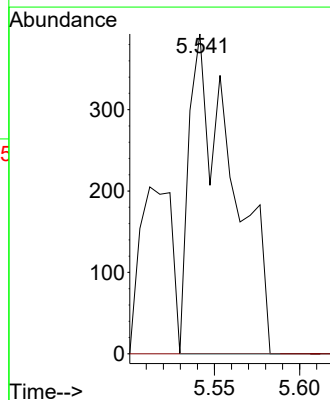
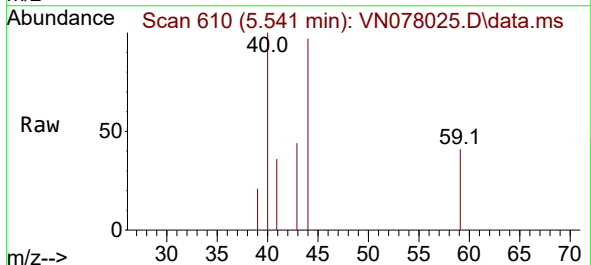
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#02

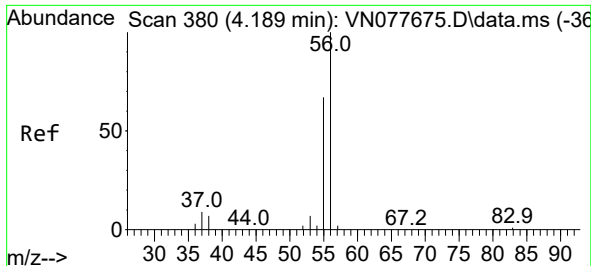
Tgt Ion: 94 Resp: 2194
Ion Ratio Lower Upper
94 100
96 20.8 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.857 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.011 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

Tgt Ion: 59 Resp: 696
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

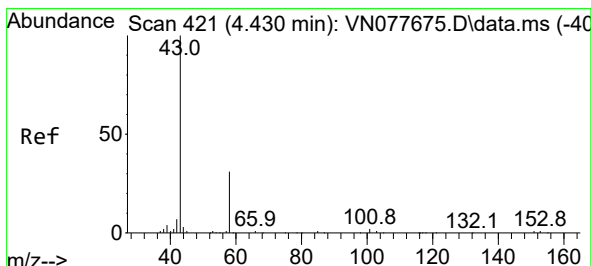
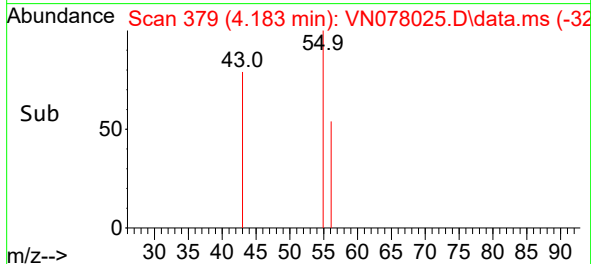
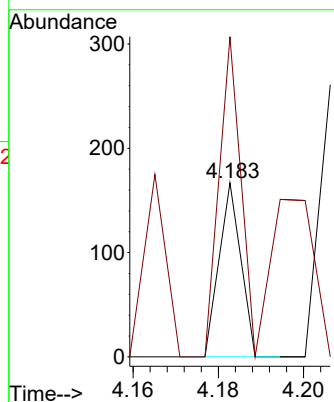
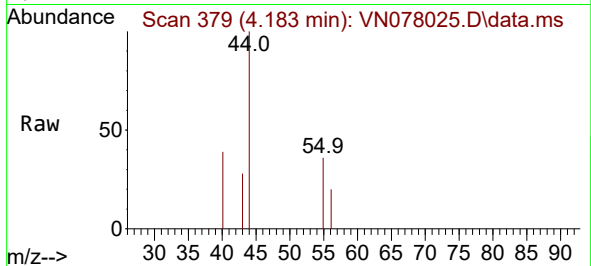




#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

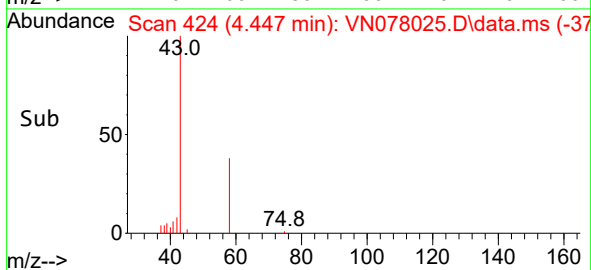
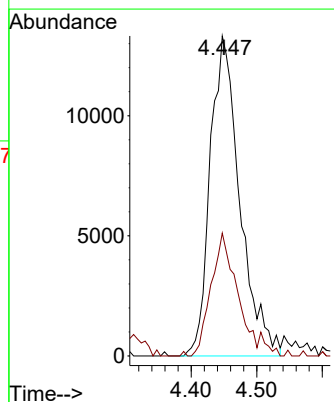
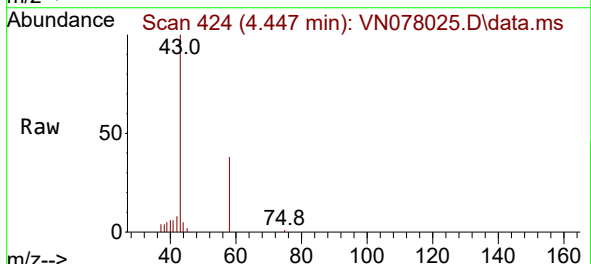
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#02

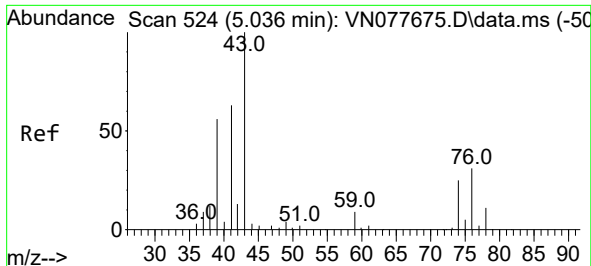
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 364.4 54.5 81.7#



#16
Acetone
Concen: 22.600 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.017 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

Tgt Ion: 43 Resp: 41861
Ion Ratio Lower Upper
43 100
58 38.4 28.0 42.0

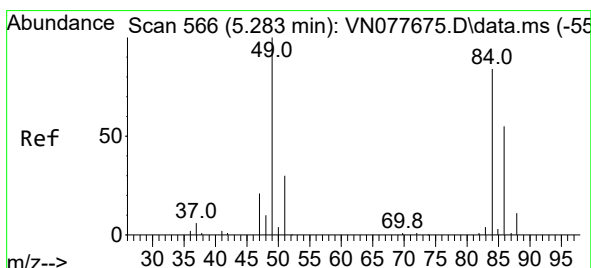
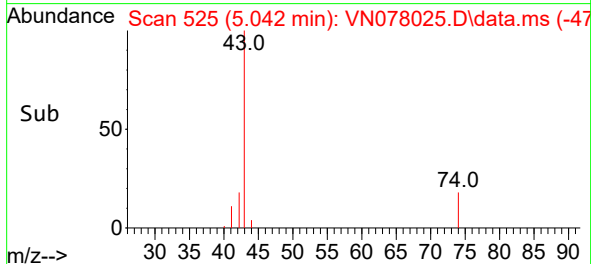
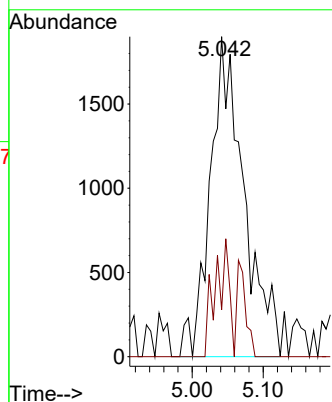
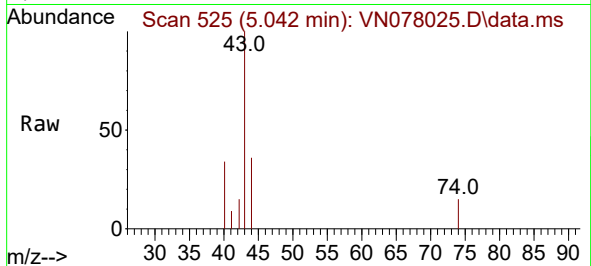




#18
Methyl Acetate
Concen: 0.808 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

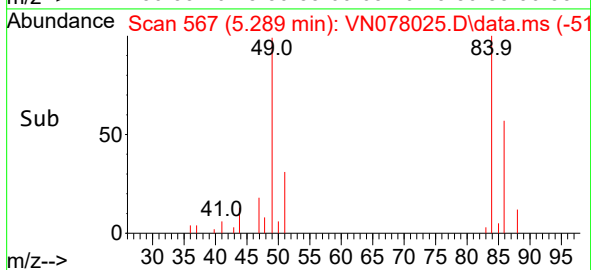
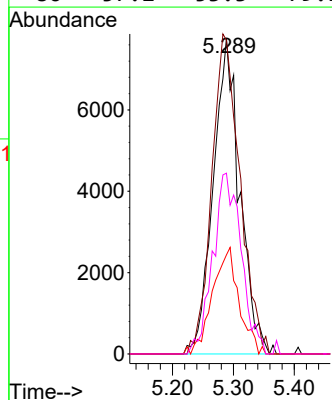
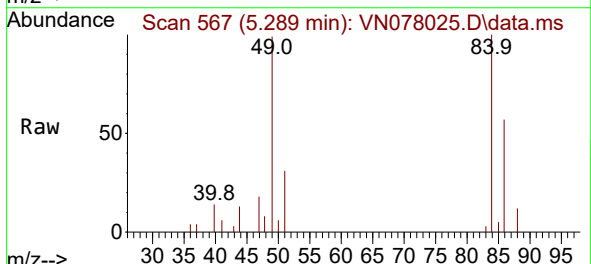
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#02

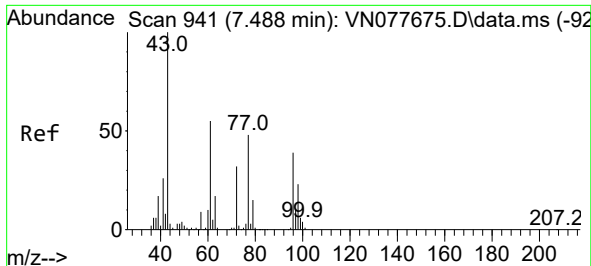
Tgt Ion: 43 Resp: 6282
Ion Ratio Lower Upper
43 100
74 15.0 26.2 39.4#



#20
Methylene Chloride
Concen: 3.034 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

Tgt Ion: 84 Resp: 23575
Ion Ratio Lower Upper
84 100
49 99.3 79.7 119.5
51 31.4 25.2 37.8
86 57.2 53.3 79.9

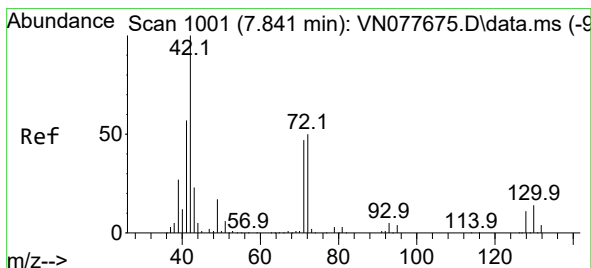
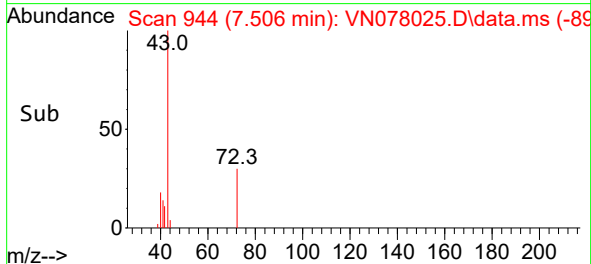
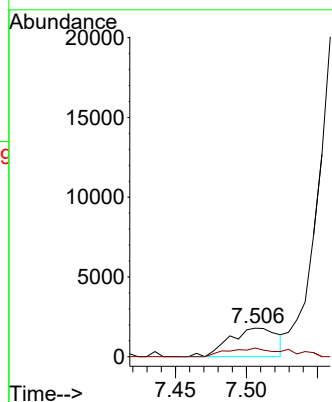
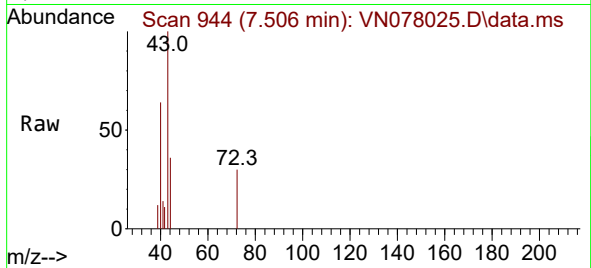




#25
2-Butanone
Concen: 1.451 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

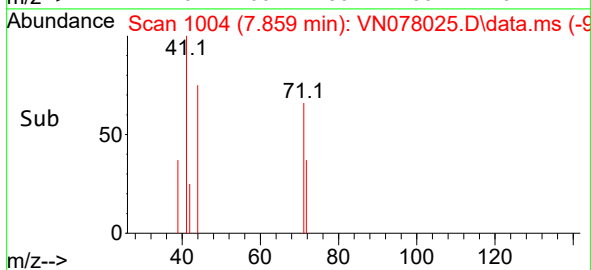
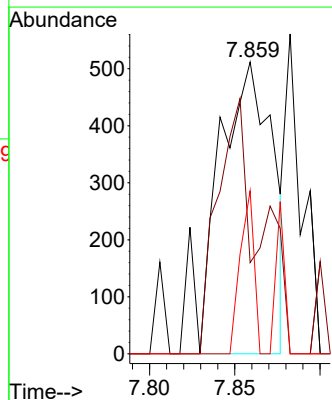
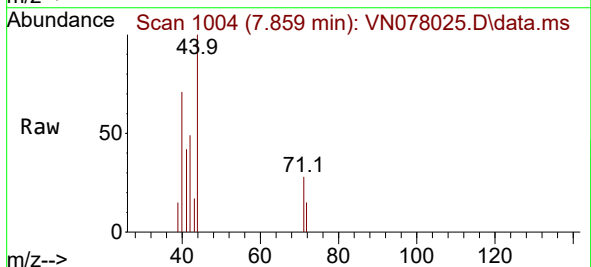
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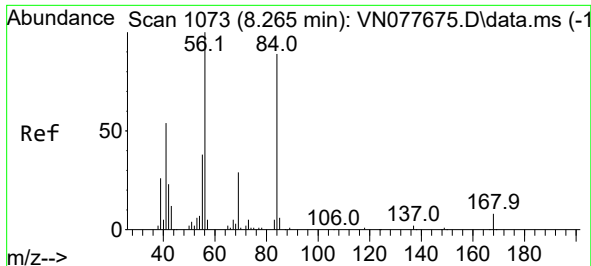
Tgt Ion: 43 Resp: 4205
Ion Ratio Lower Upper
43 100
72 30.4 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.611 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

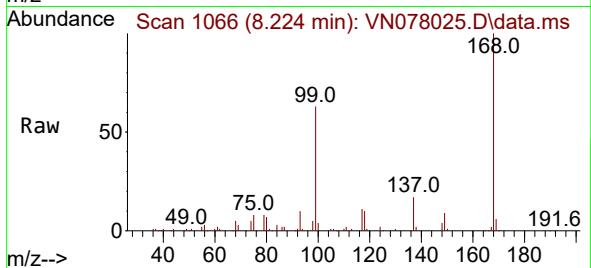
Tgt Ion: 42 Resp: 1160
Ion Ratio Lower Upper
42 100
72 51.6 49.8 74.6
71 14.1 47.4 71.2#



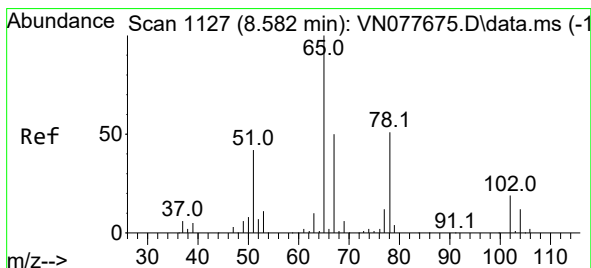
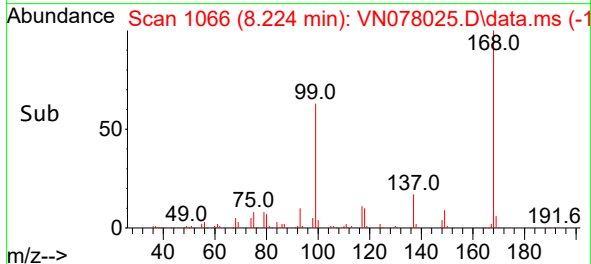
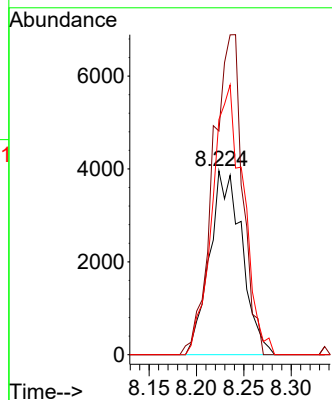


#31
Cyclohexane
Concen: 1.177 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

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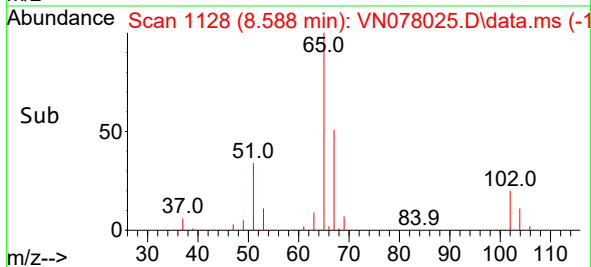
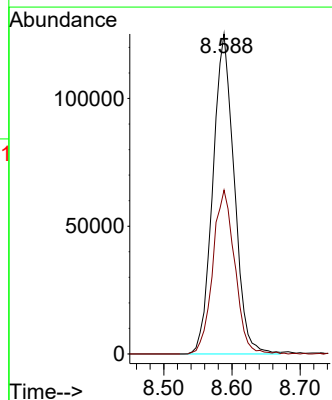
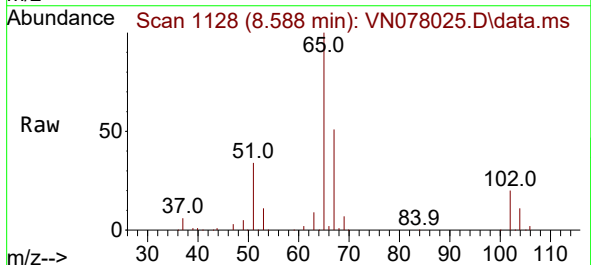


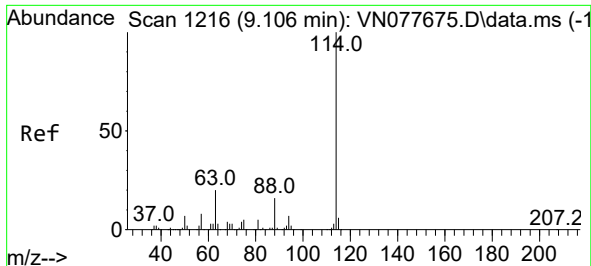
Tgt Ion: 56 Resp: 9418
Ion Ratio Lower Upper
56 100
69 121.7 26.8 40.2#
84 128.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 46.441 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

Tgt Ion: 65 Resp: 273423
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078025.D

Acq: 02 Jun 2023 12:33

Instrument :

MSVOA_N

ClientSampleId :

PB153165ZHE#02

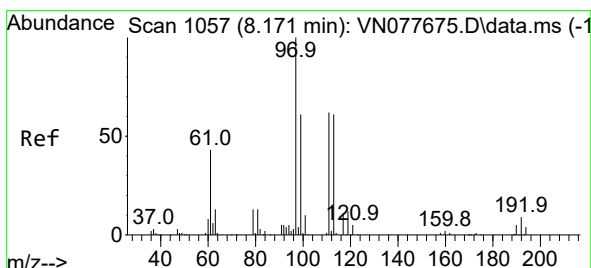
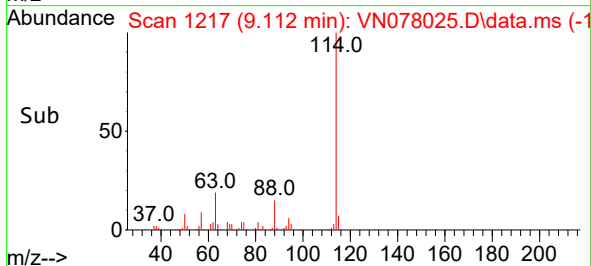
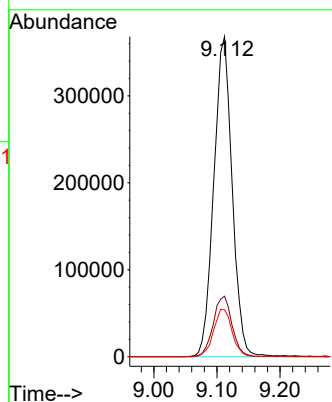
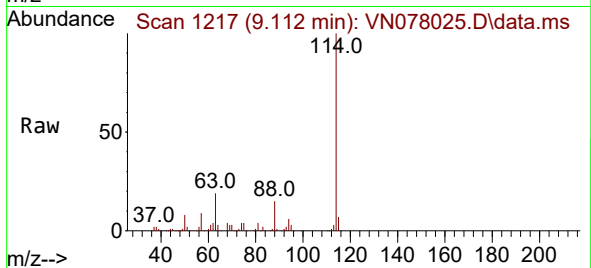
Tgt Ion:114 Resp: 742020

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.130 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN078025.D

Acq: 02 Jun 2023 12:33

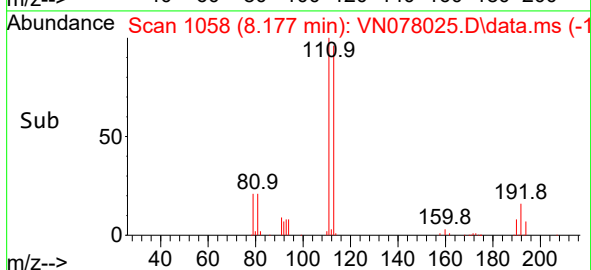
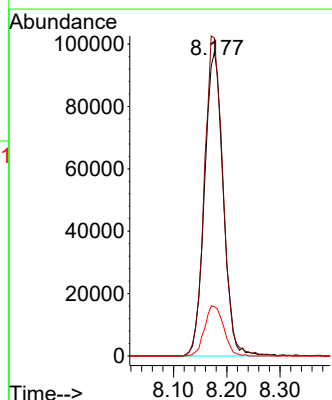
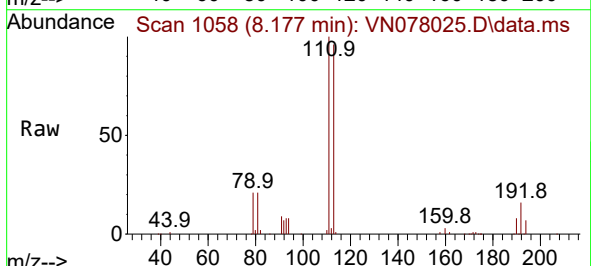
Tgt Ion:113 Resp: 237721

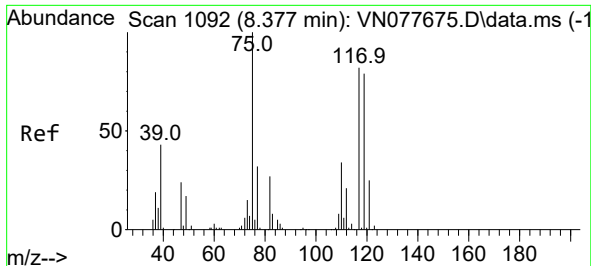
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 16.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.021 ug/l

RT: 8.230 min Scan# 1092

Delta R.T. -0.147 min

Lab File: VN078025.D

Acq: 02 Jun 2023 12:33

Instrument :

MSVOA_N

ClientSampleId :

PB153165ZHE#02

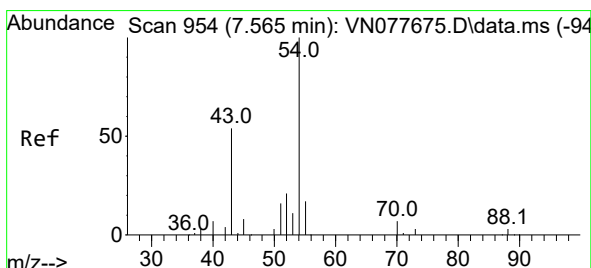
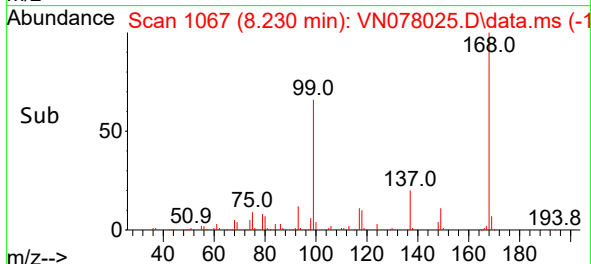
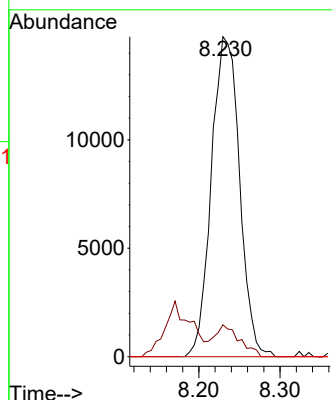
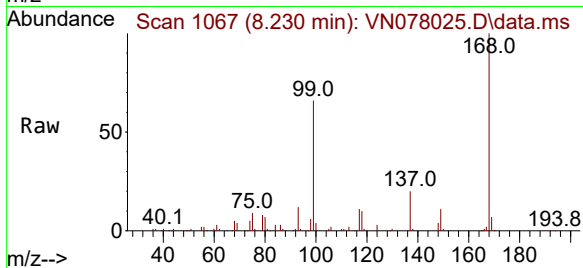
Tgt Ion: 75 Resp: 35534

Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 12.114 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.012 min

Lab File: VN078025.D

Acq: 02 Jun 2023 12:33

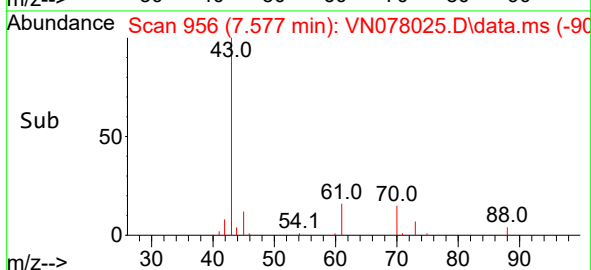
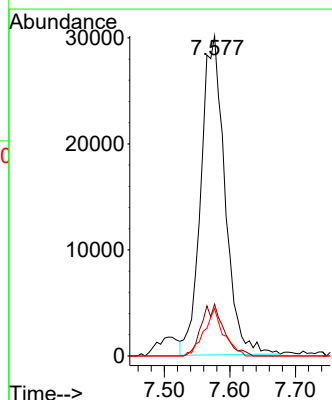
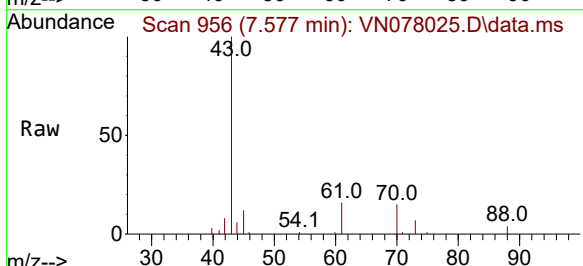
Tgt Ion: 43 Resp: 76412

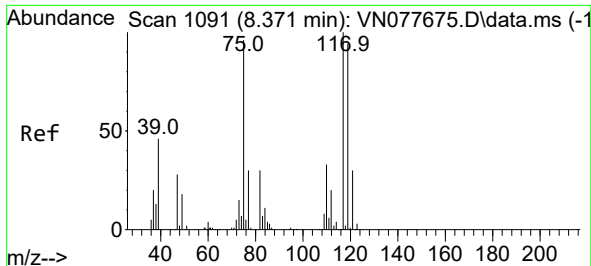
Ion Ratio Lower Upper

43 100

61 15.3 13.2 19.8

70 12.1 11.3 16.9

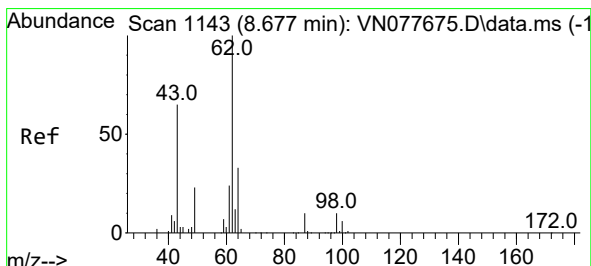
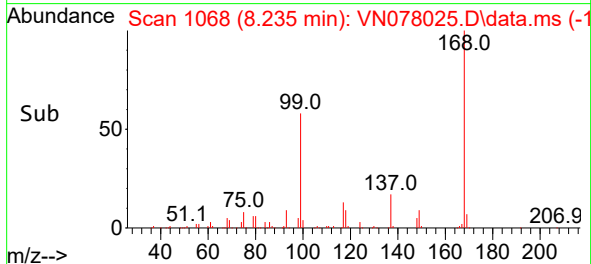
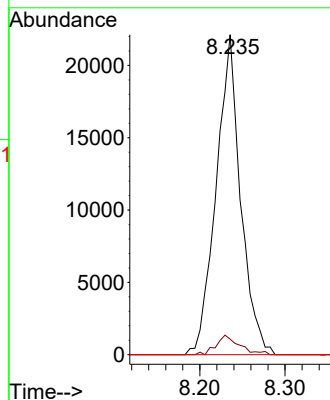
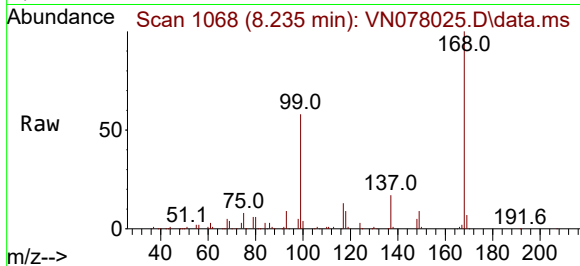




#38
Carbon Tetrachloride
Concen: 6.166 ug/l
RT: 8.235 min Scan# 1106
Delta R.T. -0.136 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

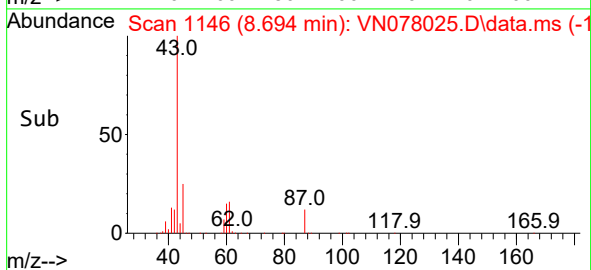
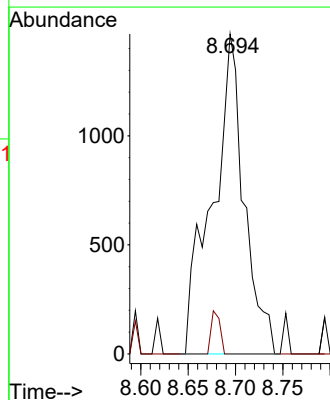
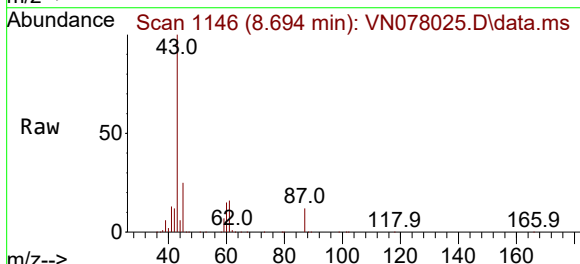
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#02

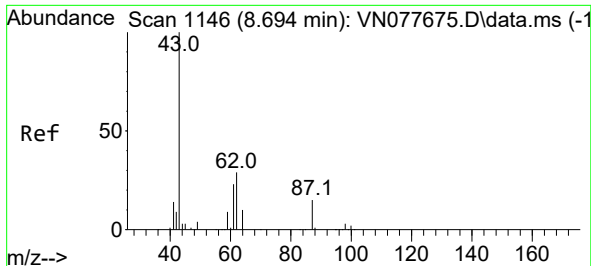
Tgt Ion:117 Resp: 44066
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.451 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.017 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

Tgt Ion: 62 Resp: 3420
Ion Ratio Lower Upper
62 100
98 3.7 0.0 19.8

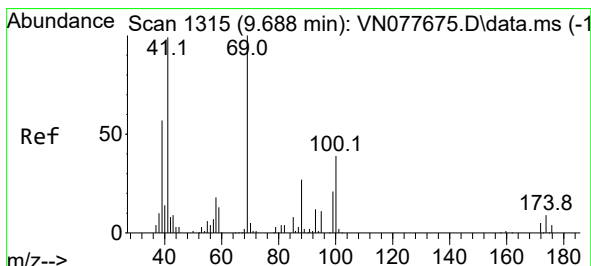
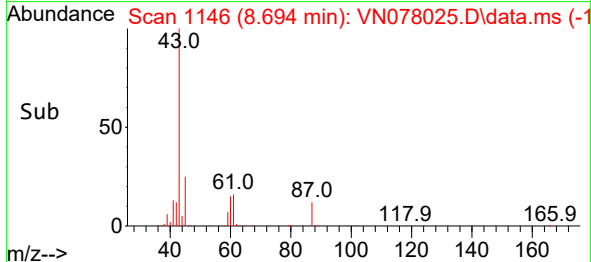
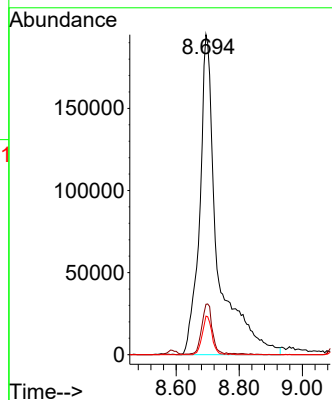
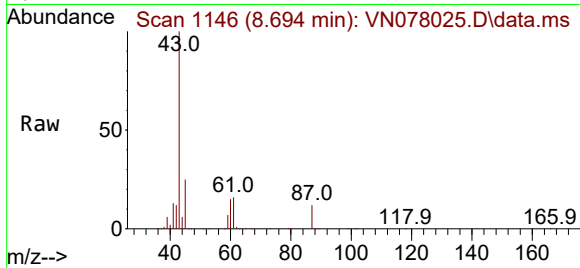




#43
Isopropyl Acetate
Concen: 75.007 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

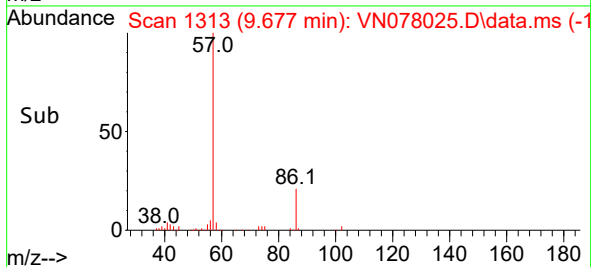
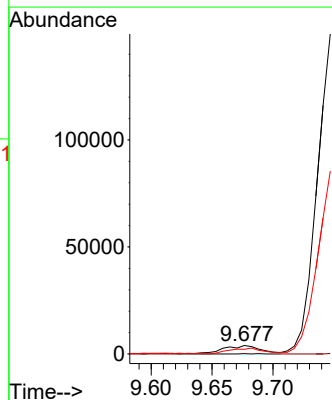
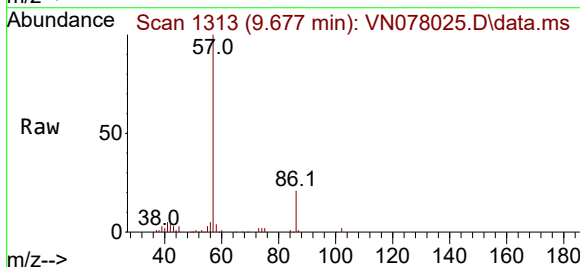
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#02

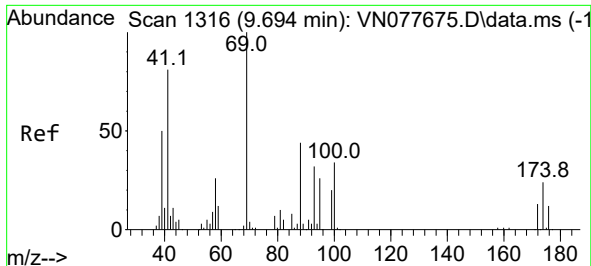
Tgt Ion: 43 Resp: 772837
Ion Ratio Lower Upper
43 100
61 9.2 24.7 37.1#
87 6.5 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.755 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.011 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

Tgt Ion: 41 Resp: 8572
Ion Ratio Lower Upper
41 100
69 2.0 90.4 135.6#
39 62.1 54.6 81.8





#49

1,4-Dioxane

Concen: 1.181 ug/l

RT: 9.724 min Scan# 11

Delta R.T. 0.030 min

Lab File: VN078025.D

Acq: 02 Jun 2023 12:33

Instrument :

MSVOA_N

ClientSampleId :

PB153165ZHE#02

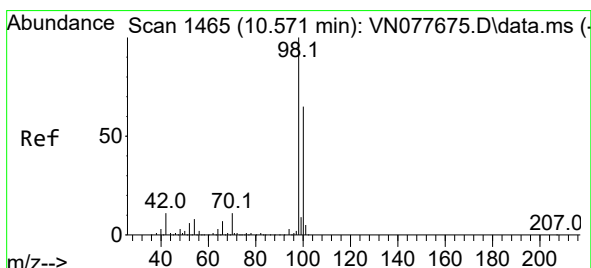
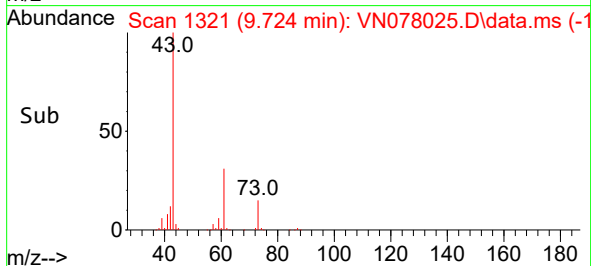
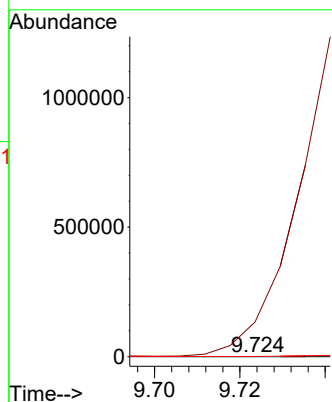
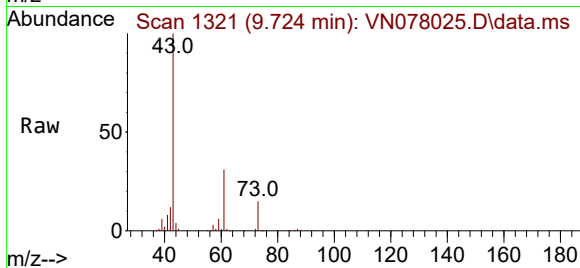
Tgt Ion: 88 Resp: 109

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 49.115 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN078025.D

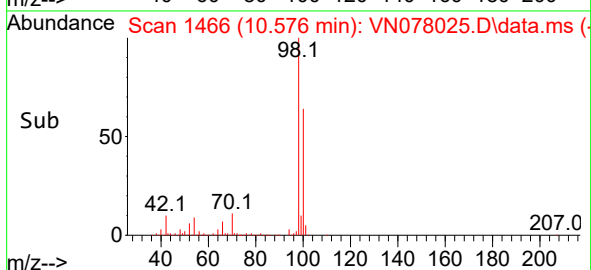
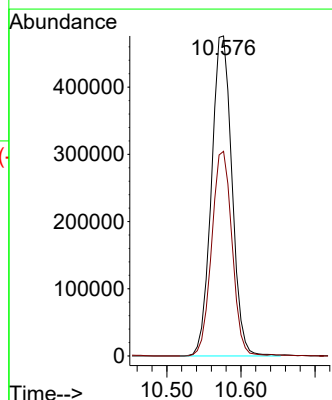
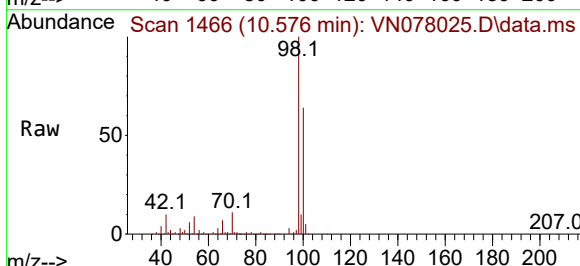
Acq: 02 Jun 2023 12:33

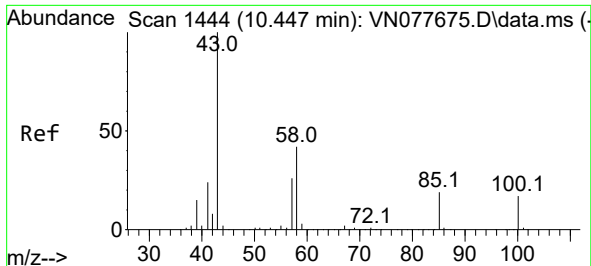
Tgt Ion: 98 Resp: 914735

Ion Ratio Lower Upper

98 100

100 63.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 2.180 ug/l

RT: 10.459 min Scan# 1446

Delta R.T. 0.012 min

Lab File: VN078025.D

Acq: 02 Jun 2023 12:33

Instrument :

MSVOA_N

ClientSampleId :

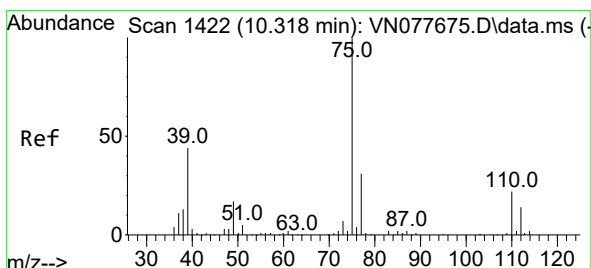
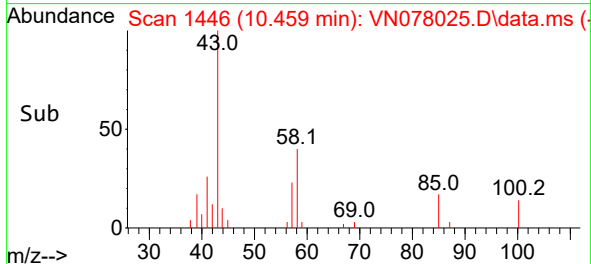
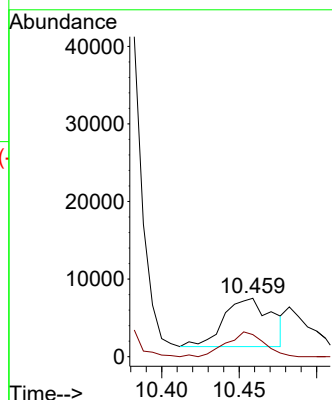
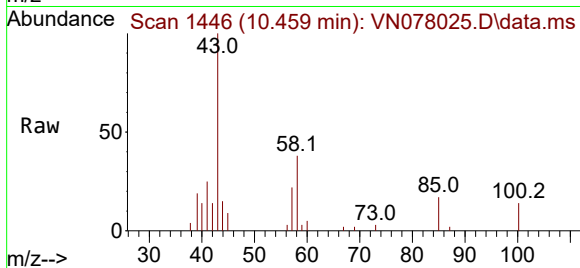
PB153165ZHE#02

Tgt Ion: 43 Resp: 13353

Ion Ratio Lower Upper

43 100

58 40.4 36.6 54.8



#54

cis-1,3-Dichloropropene

Concen: 15.148 ug/l

RT: 10.365 min Scan# 1430

Delta R.T. 0.047 min

Lab File: VN078025.D

Acq: 02 Jun 2023 12:33

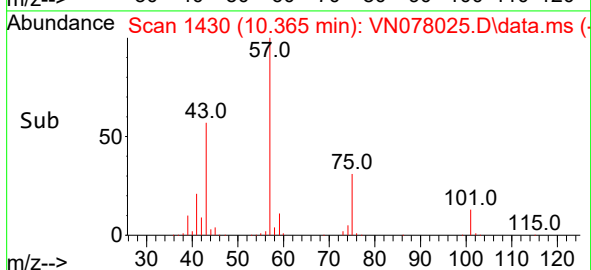
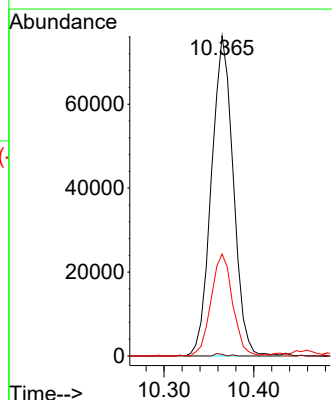
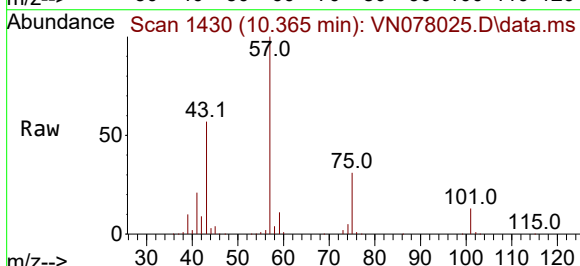
Tgt Ion: 75 Resp: 129013

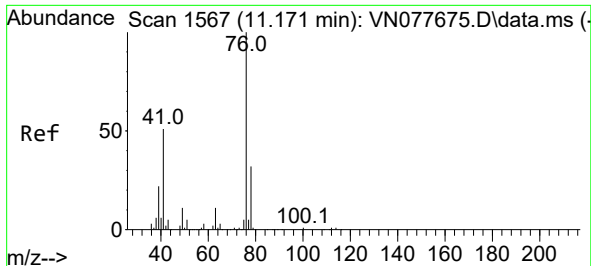
Ion Ratio Lower Upper

75 100

77 0.5 26.1 39.1#

39 31.6 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.809 ug/l

RT: 11.212 min Scan# 1

Delta R.T. 0.041 min

Lab File: VN078025.D

Acq: 02 Jun 2023 12:33

Instrument :

MSVOA_N

ClientSampleId :

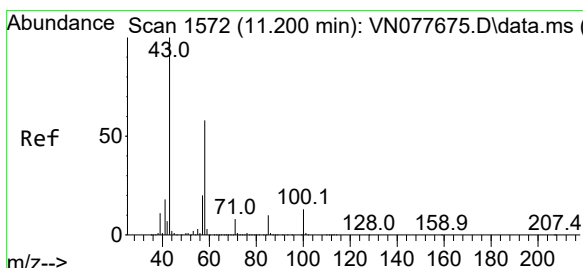
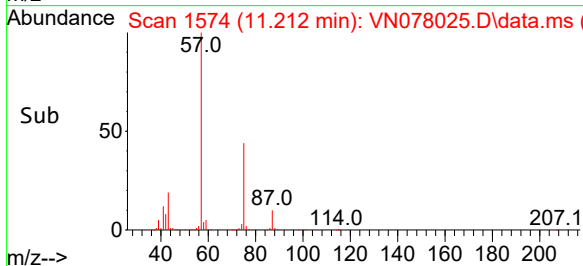
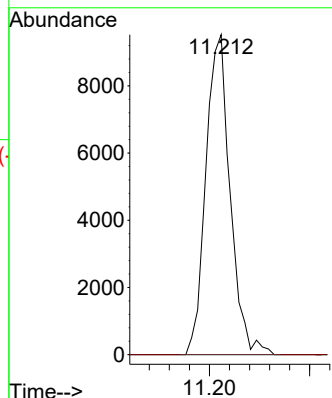
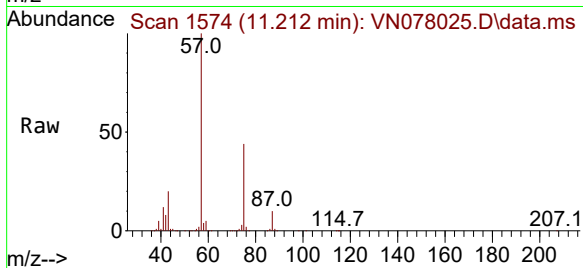
PB153165ZHE#02

Tgt Ion: 76 Resp: 16007

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 59.882 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078025.D

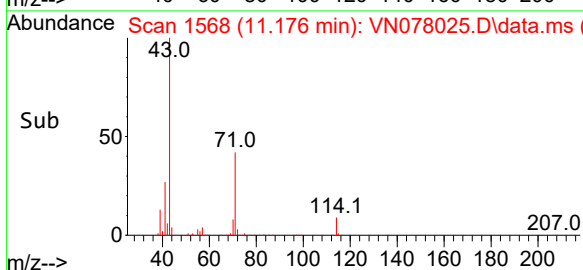
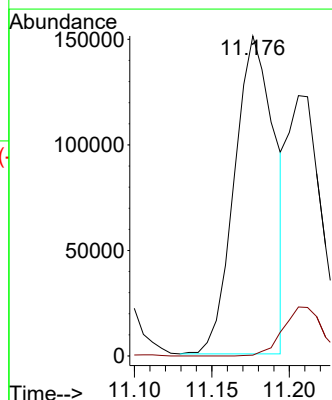
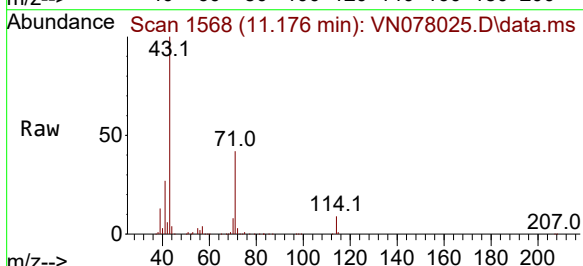
Acq: 02 Jun 2023 12:33

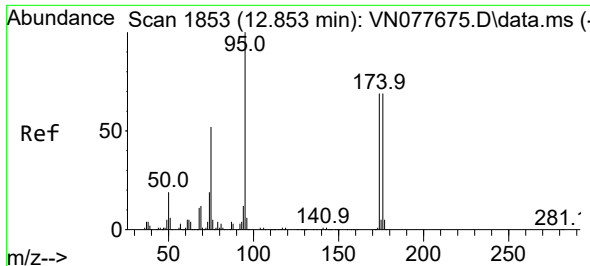
Tgt Ion: 43 Resp: 271267

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

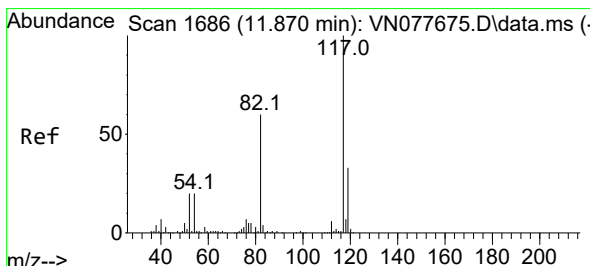
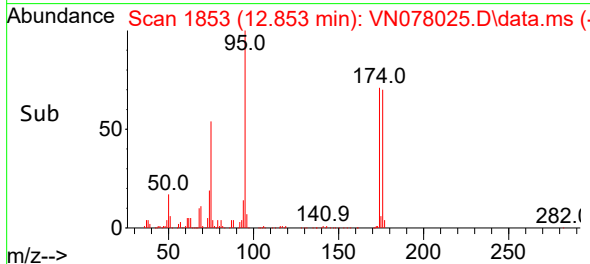
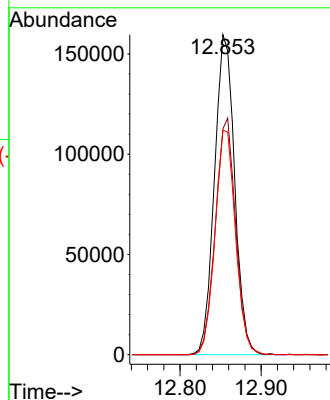
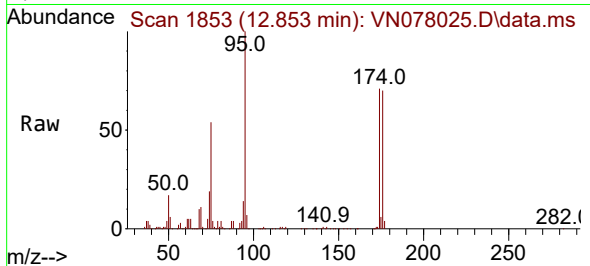




#62
4-Bromofluorobenzene
Concen: 41.918 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

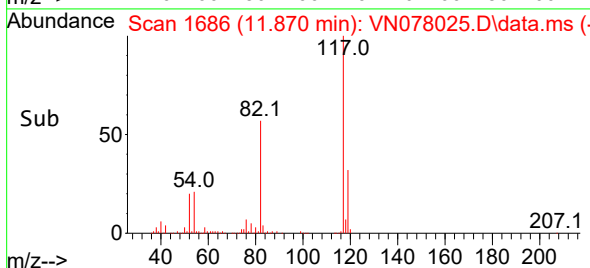
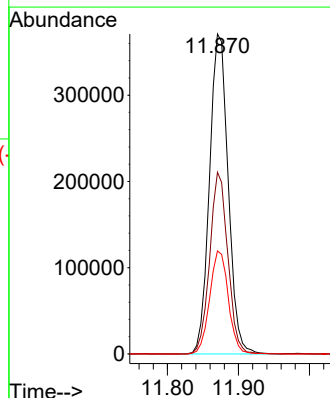
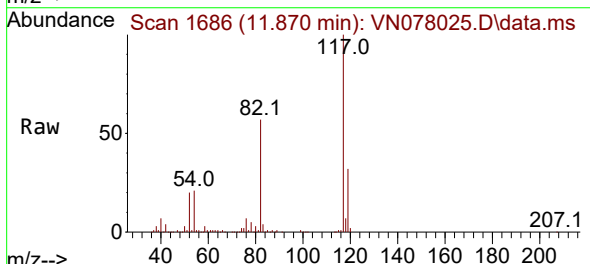
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#02

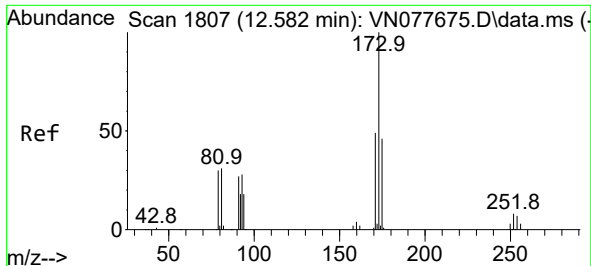
Tgt Ion: 95 Resp: 275722
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.8
176 71.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

Tgt Ion: 117 Resp: 677622
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 32.2 25.6 38.4

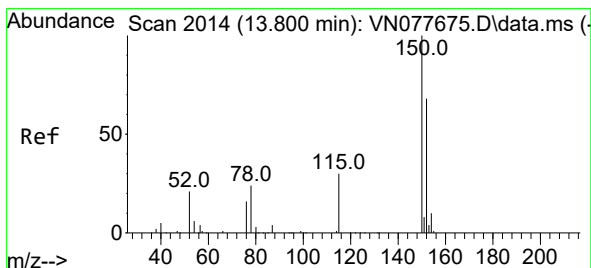
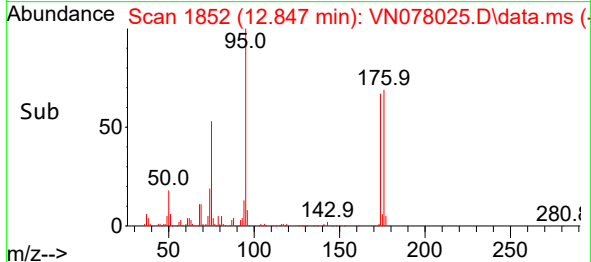
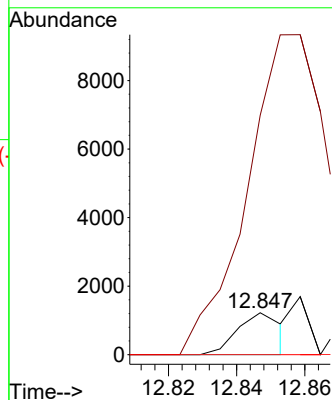
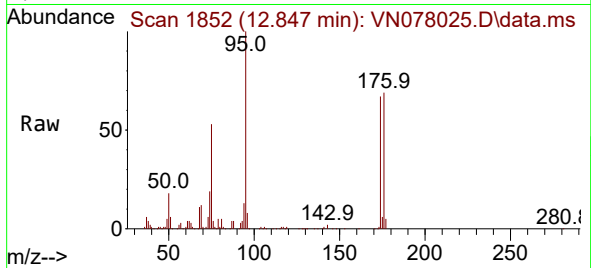




#71
Bromoform
Concen: 0.325 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

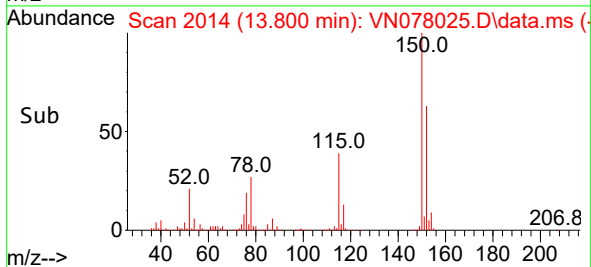
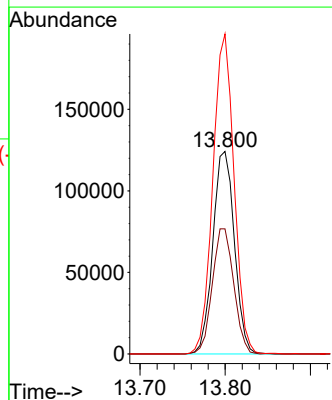
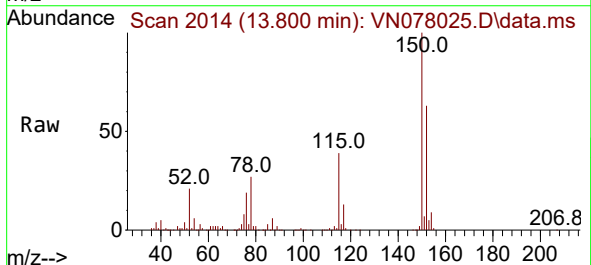
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#02

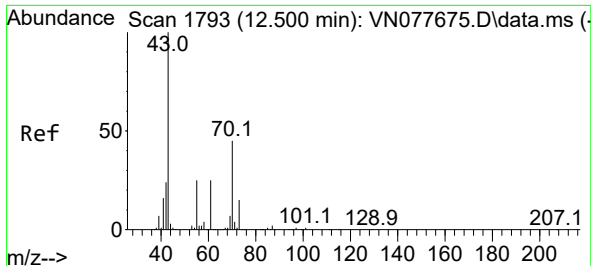
Tgt Ion:173 Resp: 1100
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

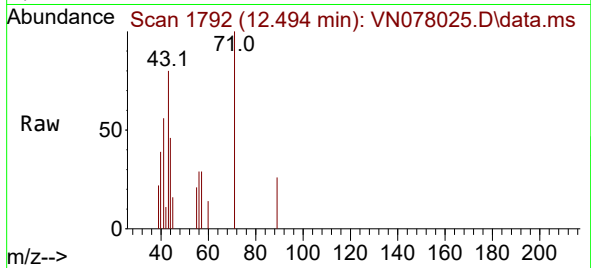
Tgt Ion:152 Resp: 218584
Ion Ratio Lower Upper
152 100
115 61.5 32.3 96.8
150 155.0 0.0 355.8



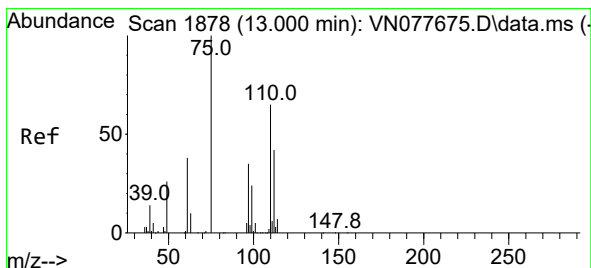
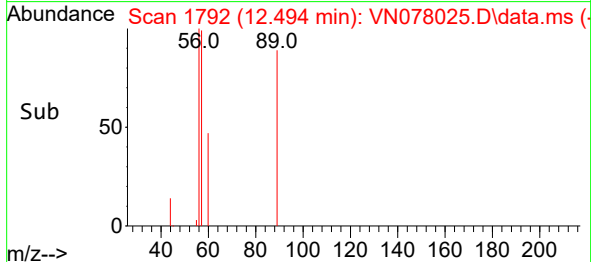
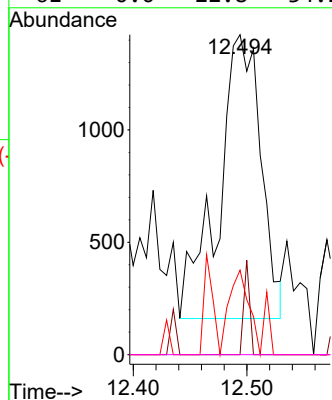


#74
N-amy1 acetate
Concen: 0.469 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#02

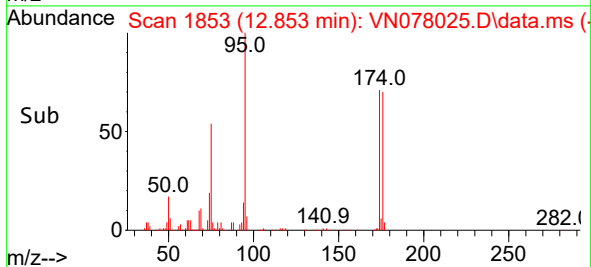
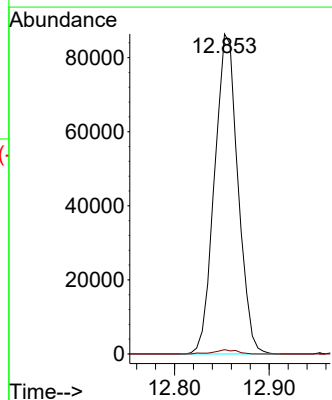
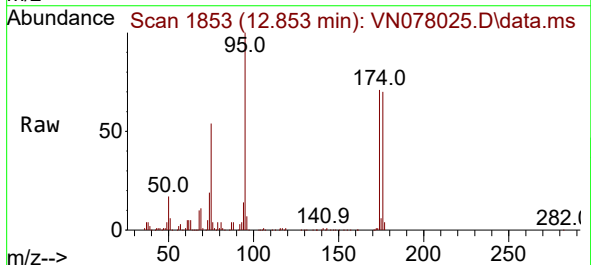


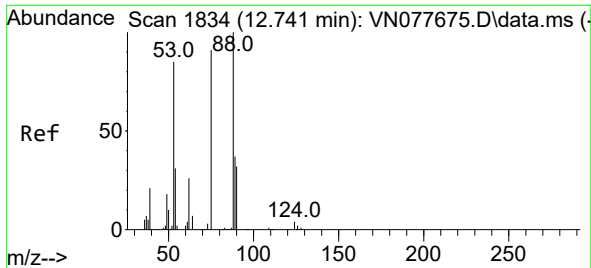
Tgt Ion: 43 Resp: 3267
Ion Ratio Lower Upper
43 100
70 4.5 43.4 65.2#
55 14.1 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.108 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078025.D
Acq: 02 Jun 2023 12:33

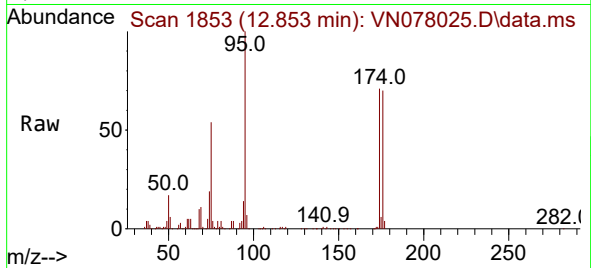
Tgt Ion: 75 Resp: 148393
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.651 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078025.D
 Acq: 02 Jun 2023 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153165ZHE#02



Tgt Ion: 75 Resp: 148393
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

