

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060223\
 Data File : VN078026.D
 Acq On : 02 Jun 2023 12:57
 Operator : JC\MD
 Sample : PB153165ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153165ZHE#03

Quant Time: Jun 05 01:10:57 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

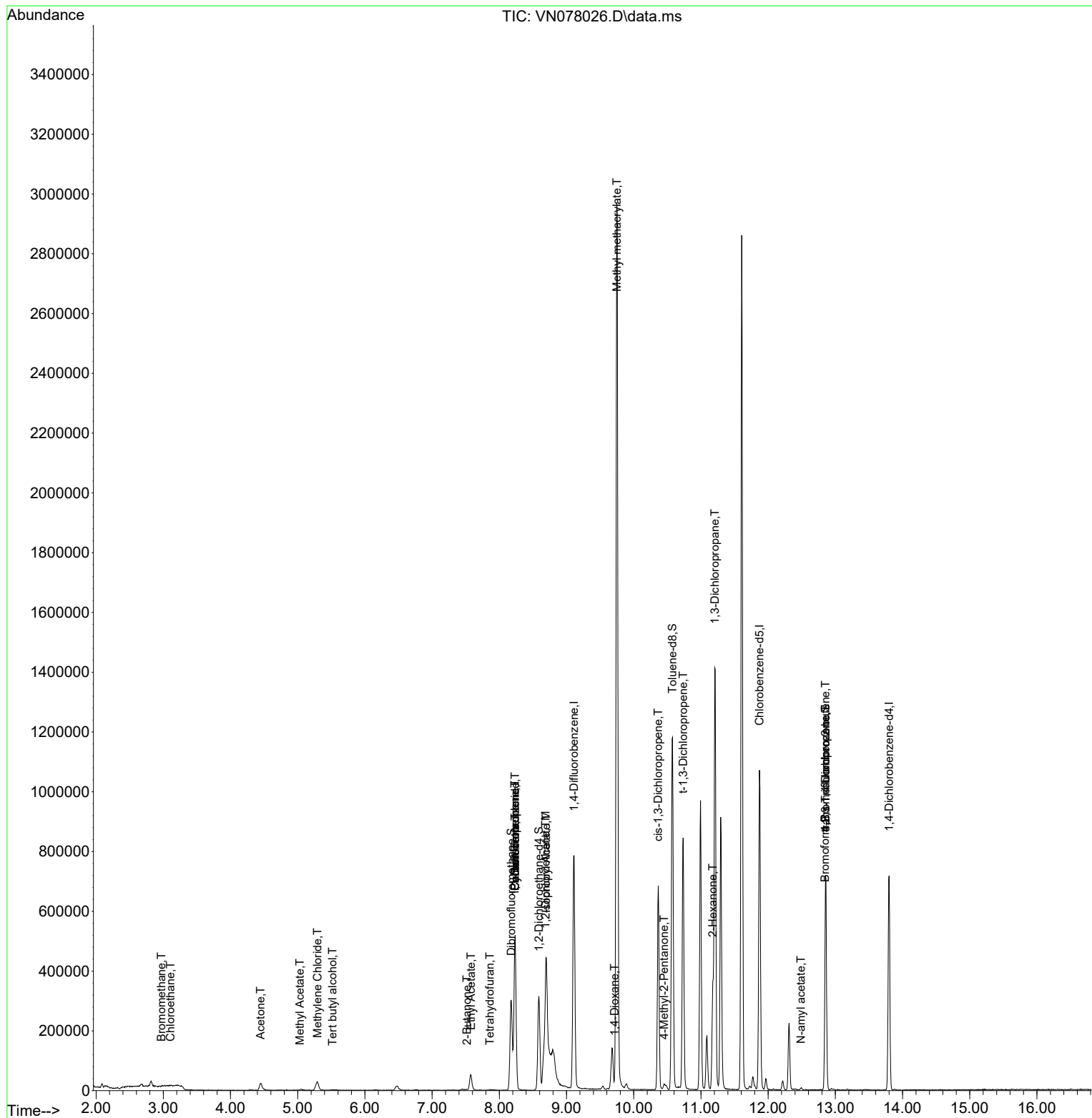
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	370093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	703680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	633875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	193059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	259183	46.805	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.600%
35) Dibromofluoromethane	8.177	113	226721	49.409	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.820%
50) Toluene-d8	10.577	98	869427	49.226	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.460%
62) 4-Bromofluorobenzene	12.853	95	255120	40.899	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	81.800%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1426	Below Cal	#	31
5) Bromomethane	2.971	94	981	0.250	ug/l #	46
6) Chloroethane	3.106	64	2596	0.678	ug/l #	43
11) Tert butyl alcohol	5.518	59	269	0.352	ug/l #	72
13) Acrolein	4.195	56	169	Below Cal	#	73
16) Acetone	4.448	43	42650	24.481	ug/l	97
18) Methyl Acetate	5.030	43	2539	0.347	ug/l #	75
20) Methylene Chloride	5.295	84	23226	3.276	ug/l #	93
25) 2-Butanone	7.518	43	4367	1.602	ug/l	92
29) Tetrahydrofuran	7.859	42	991	0.555	ug/l #	79
31) Cyclohexane	8.236	56	9132	1.213	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	31258	4.657	ug/l #	48
37) Ethyl Acetate	7.577	43	77876	13.018	ug/l	97
38) Carbon Tetrachloride	8.236	117	39573	5.839	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	3293	0.458	ug/l #	73
43) Isopropyl Acetate	8.694	43	655011	67.035	ug/l #	68
48) Methyl methacrylate	9.747	41	267416	57.724	ug/l #	30
49) 1,4-Dioxane	9.712	88	55	0.629	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	21930	3.776	ug/l #	62
53) t-1,3-Dichloropropene	10.735	75	2295	0.313	ug/l #	84
54) cis-1,3-Dichloropropene	10.365	75	129766	16.067	ug/l #	64
57) 1,3-Dichloropropane	11.206	76	14923	1.778	ug/l #	42
59) 2-Hexanone	11.177	43	269556	62.746	ug/l #	19
71) Bromoform	12.847	173	1377	0.435	ug/l #	1
74) N-amyl acetate	12.488	43	3060	0.497	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	136272	28.185	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	136272	90.094	ug/l #	15

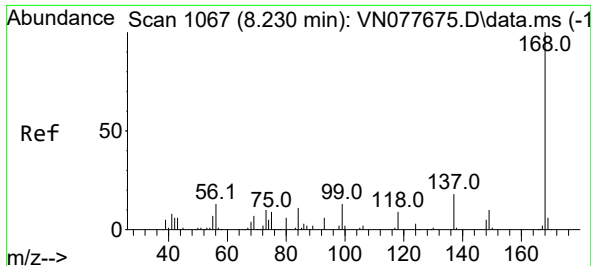
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060223\
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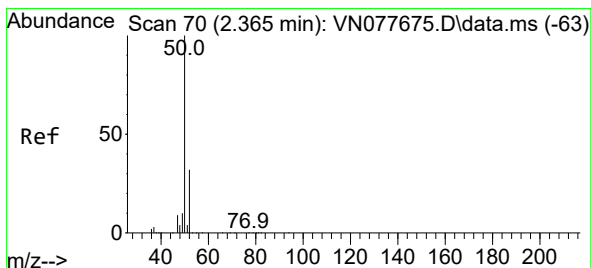
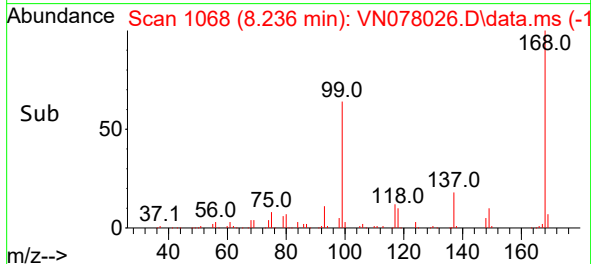
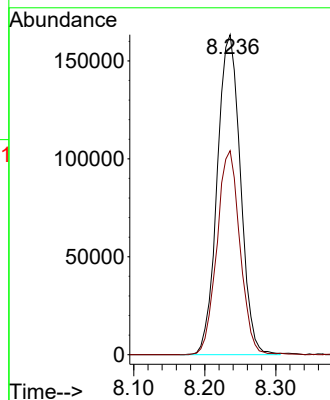
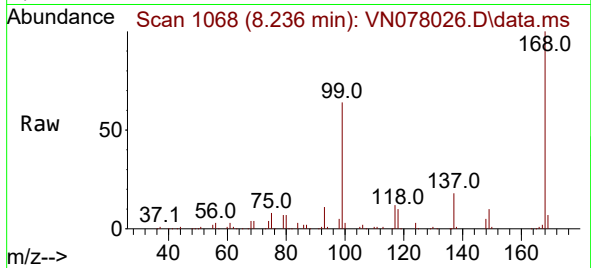




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

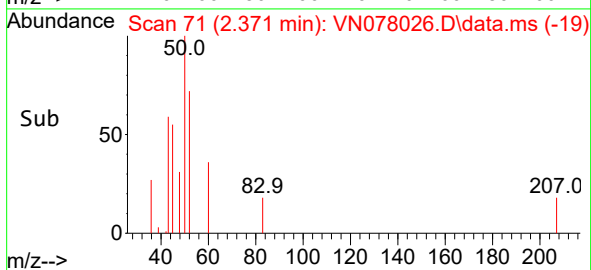
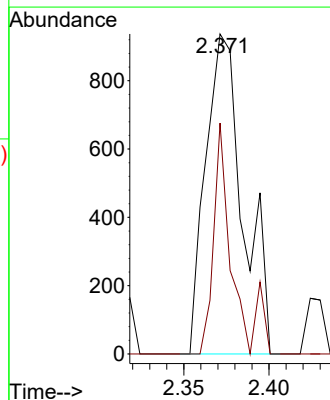
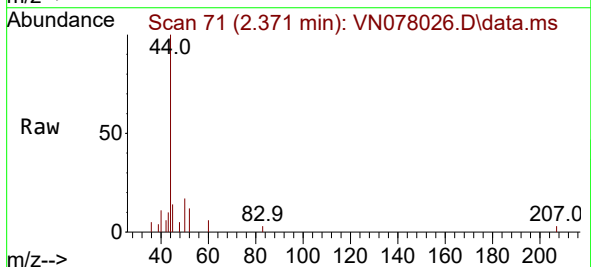
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#03

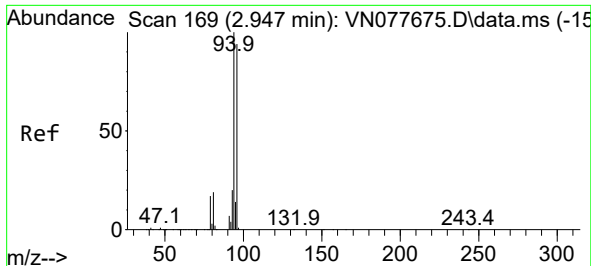
Tgt Ion:168 Resp: 370093
Ion Ratio Lower Upper
168 100
99 63.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

Tgt Ion: 50 Resp: 1426
Ion Ratio Lower Upper
50 100
52 72.1 26.5 39.7#

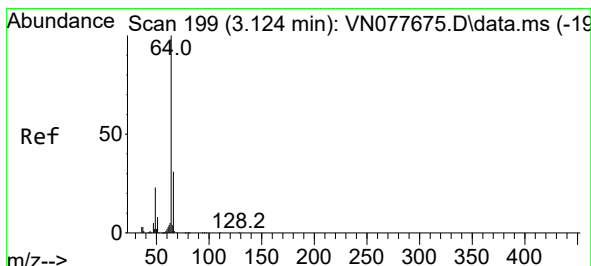
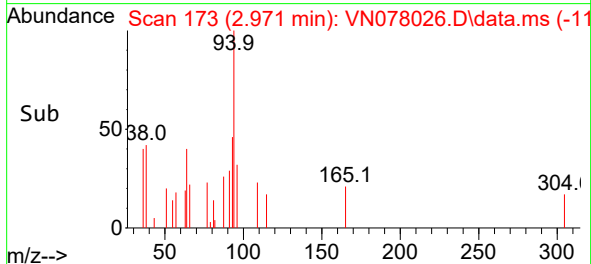
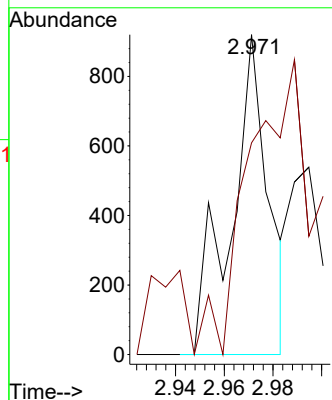
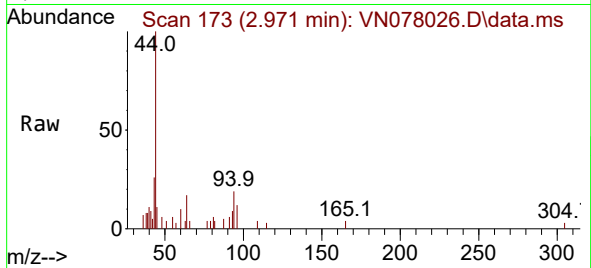




#5
Bromomethane
Concen: 0.250 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

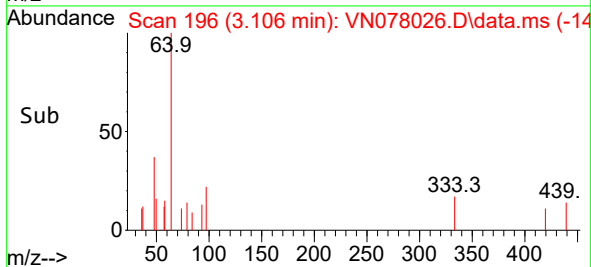
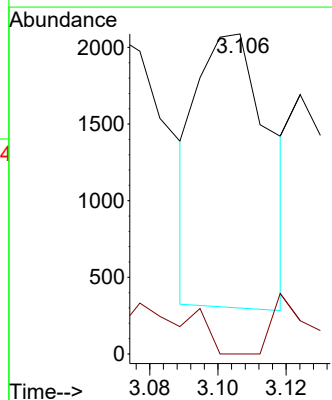
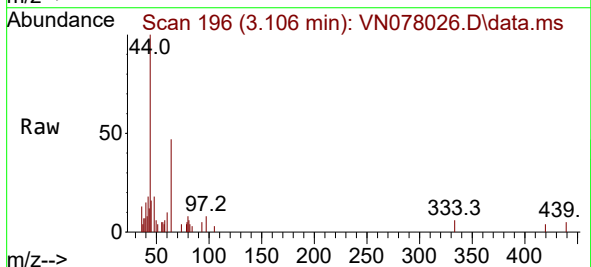
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#03

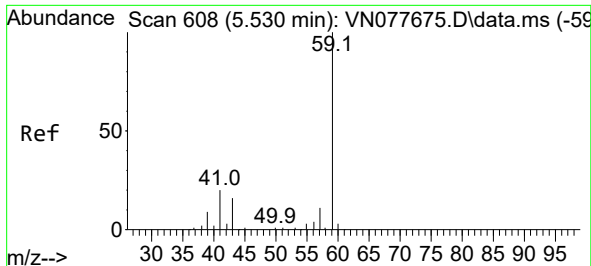
Tgt Ion: 94 Resp: 981
Ion Ratio Lower Upper
94 100
96 39.9 73.1 109.7#



#6
Chloroethane
Concen: 0.678 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.018 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

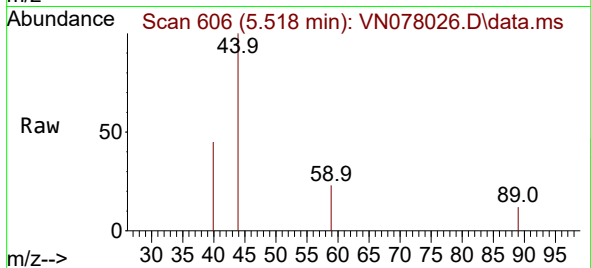
Tgt Ion: 64 Resp: 2596
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



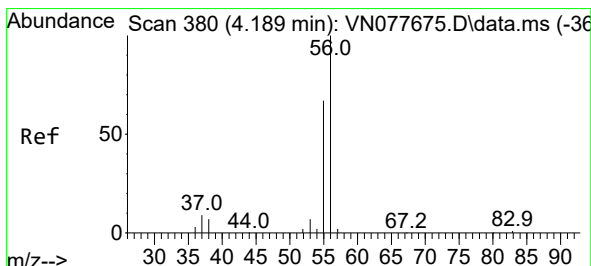
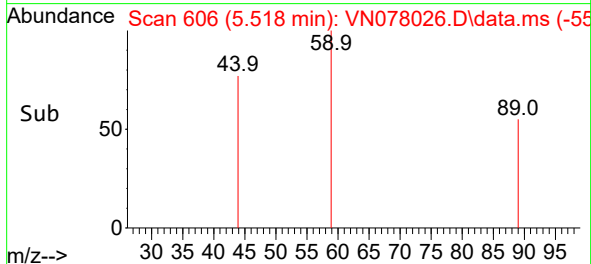
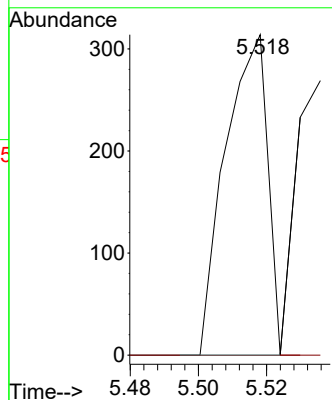


#11
Tert butyl alcohol
Concen: 0.352 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#03

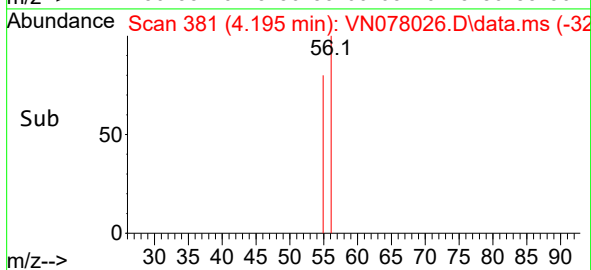
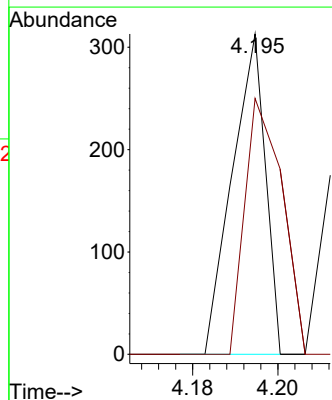
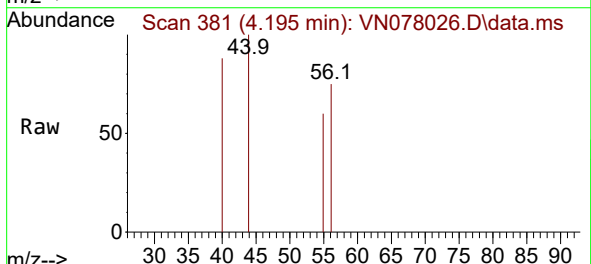


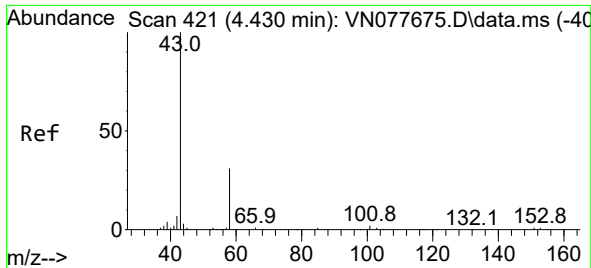
Tgt Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

Tgt Ion: 56 Resp: 169
Ion Ratio Lower Upper
56 100
55 89.9 54.5 81.7#

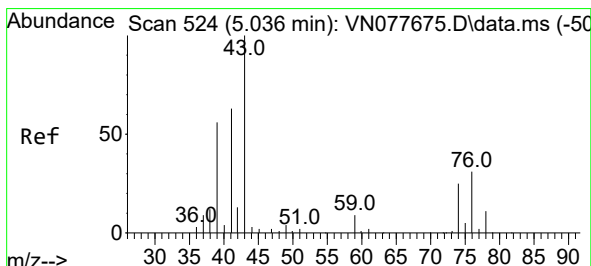
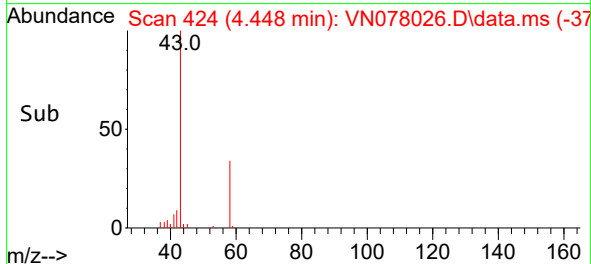
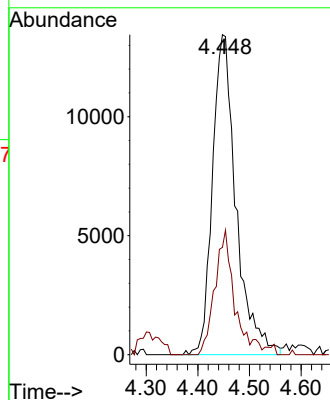
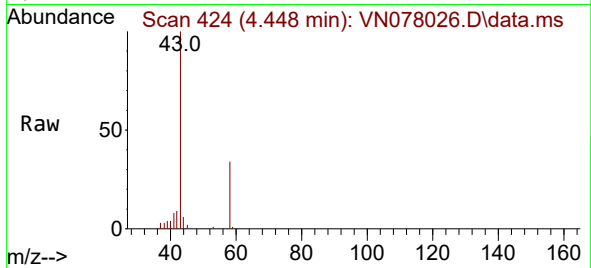




#16
Acetone
Concen: 24.481 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

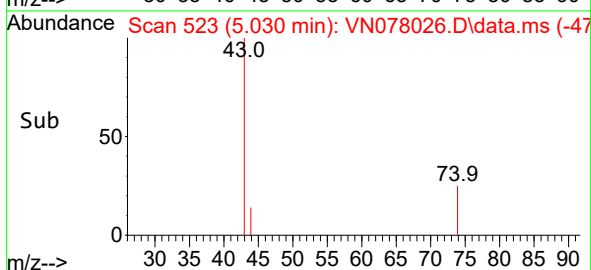
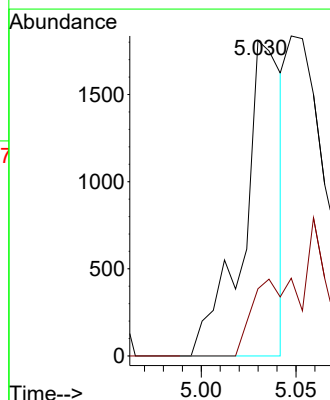
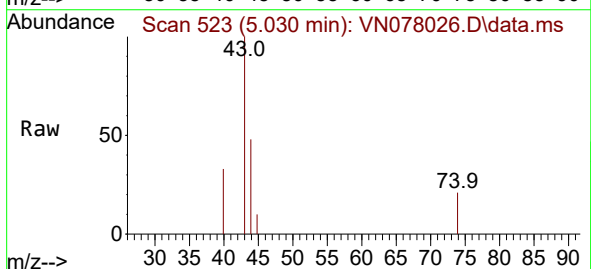
Instrument :
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ClientSampleId :
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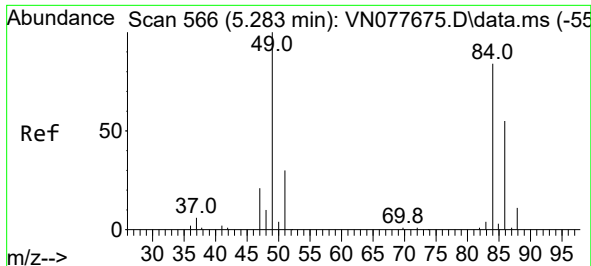
Tgt Ion: 43 Resp: 42650
Ion Ratio Lower Upper
43 100
58 33.5 28.0 42.0



#18
Methyl Acetate
Concen: 0.347 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

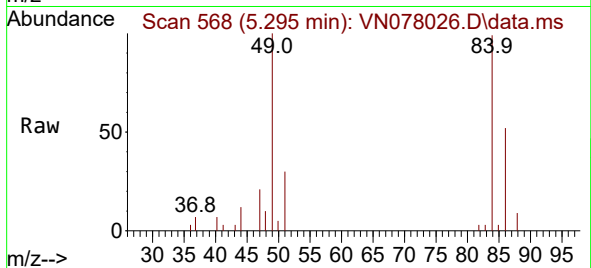
Tgt Ion: 43 Resp: 2539
Ion Ratio Lower Upper
43 100
74 18.9 26.2 39.4#



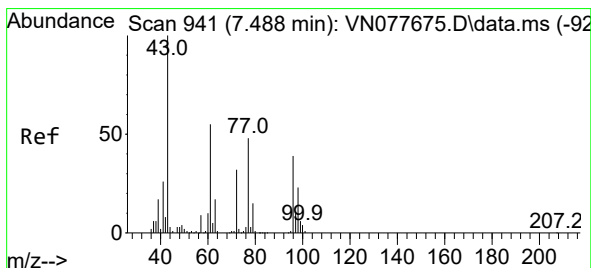
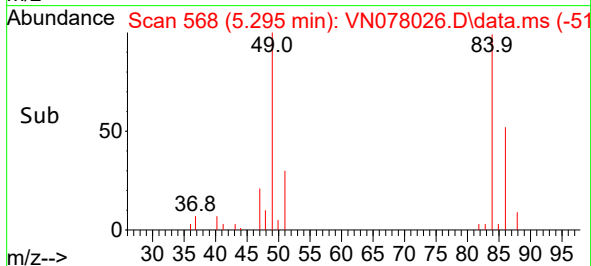
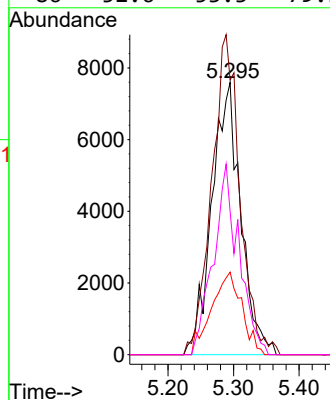


#20
Methylene Chloride
Concen: 3.276 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#03

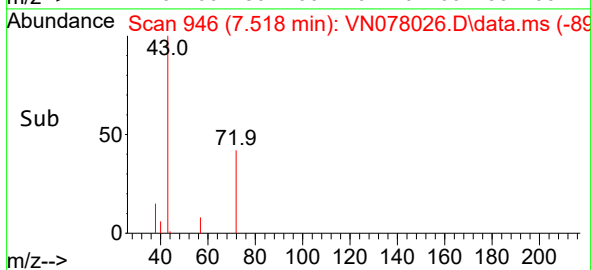
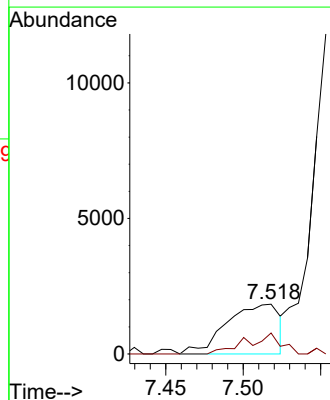
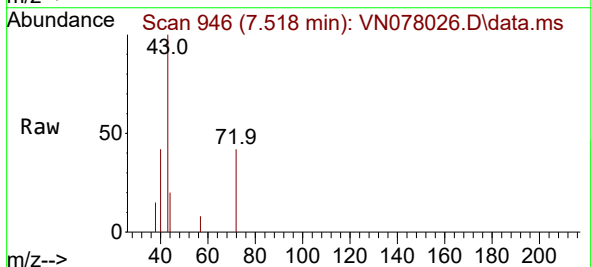


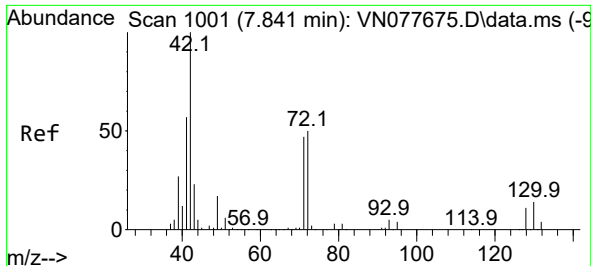
Tgt Ion: 84	Resp: 23226
Ion Ratio	Lower Upper
84 100	
49 100.9	79.7 119.5
51 30.3	25.2 37.8
86 52.6	53.3 79.9#



#25
2-Butanone
Concen: 1.602 ug/l
RT: 7.518 min Scan# 946
Delta R.T. 0.030 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

Tgt Ion: 43	Resp: 4367
Ion Ratio	Lower Upper
43 100	
72 42.3	30.2 45.2





#29

Tetrahydrofuran

Concen: 0.555 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.018 min

Lab File: VN078026.D

Acq: 02 Jun 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :

PB153165ZHE#03

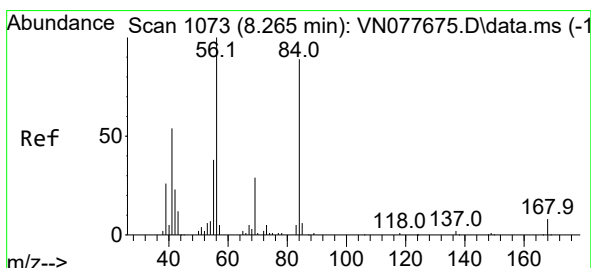
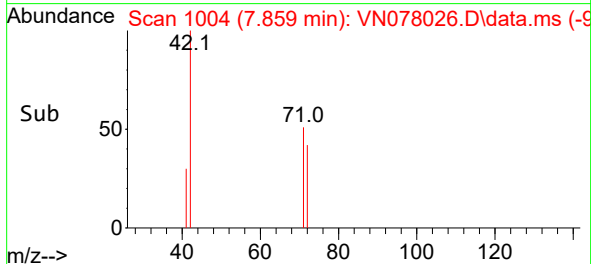
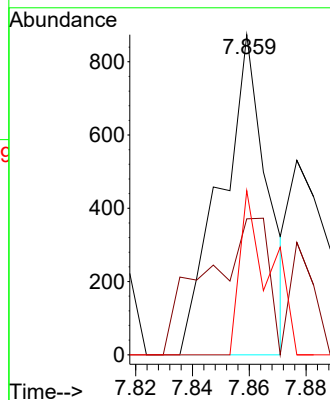
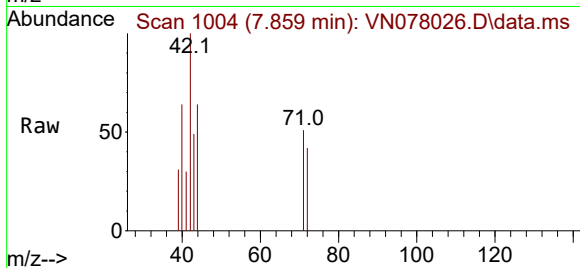
Tgt Ion: 42 Resp: 991

Ion Ratio Lower Upper

42 100

72 57.2 49.8 74.6

71 32.7 47.4 71.2#



#31

Cyclohexane

Concen: 1.213 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.029 min

Lab File: VN078026.D

Acq: 02 Jun 2023 12:57

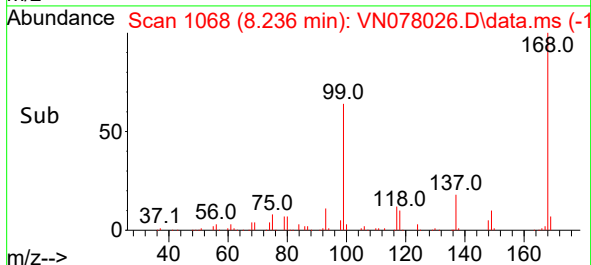
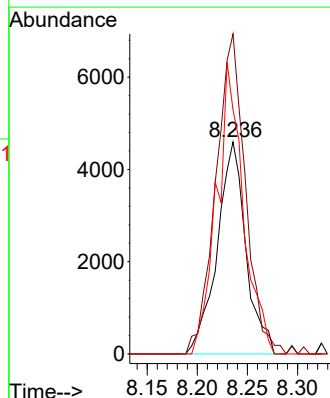
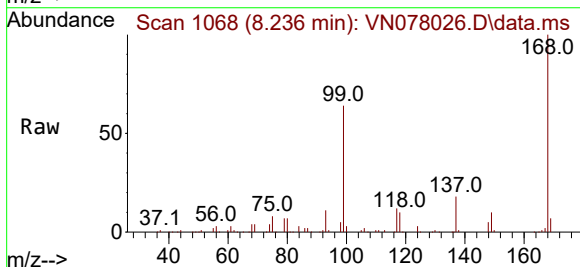
Tgt Ion: 56 Resp: 9132

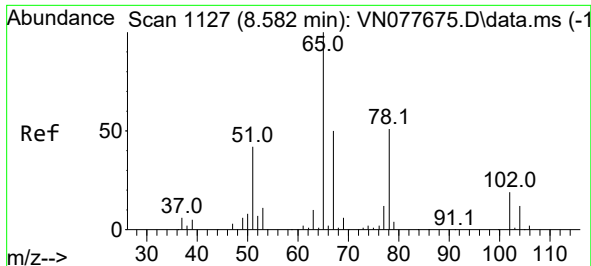
Ion Ratio Lower Upper

56 100

69 150.9 26.8 40.2#

84 115.2 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 46.805 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078026.D

Acq: 02 Jun 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :

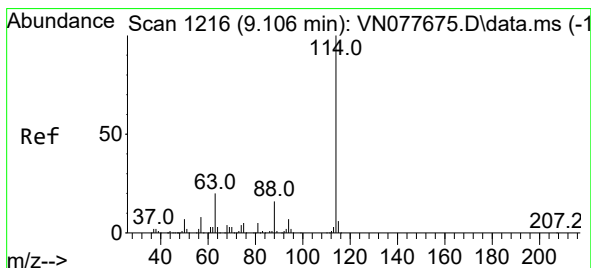
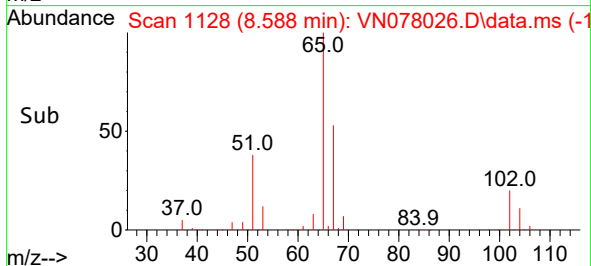
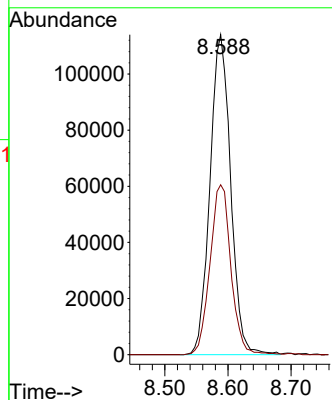
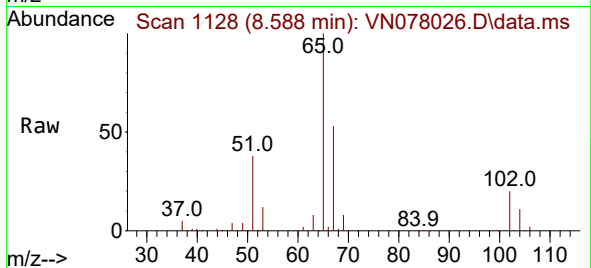
PB153165ZHE#03

Tgt Ion: 65 Resp: 259183

Ion Ratio Lower Upper

65 100

67 53.7 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: VN078026.D

Acq: 02 Jun 2023 12:57

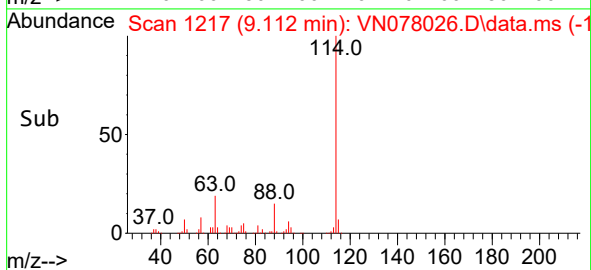
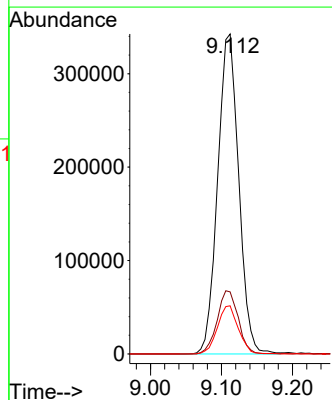
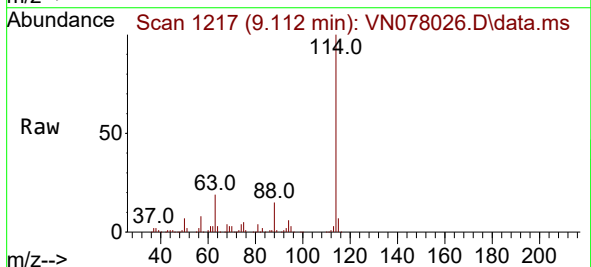
Tgt Ion: 114 Resp: 703680

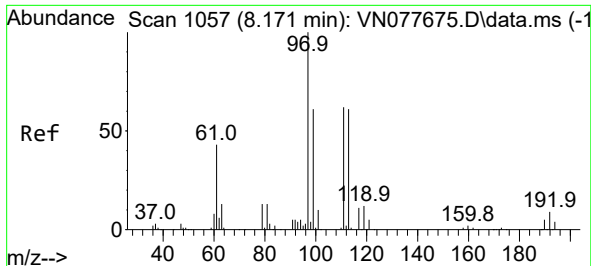
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 15.0 0.0 30.6

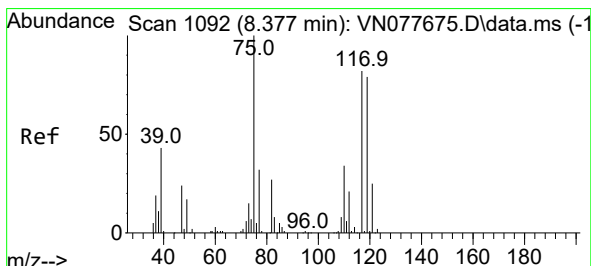
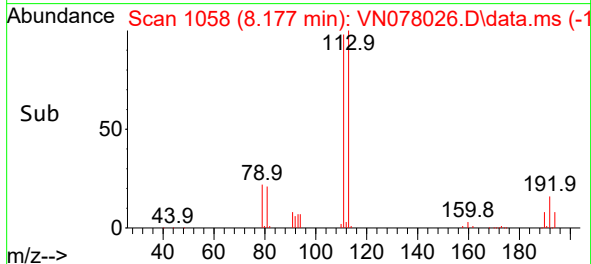
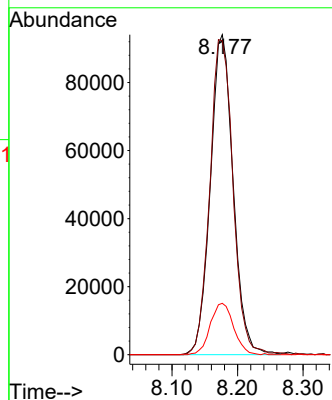
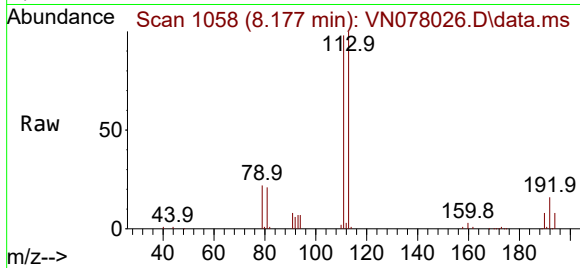




#35
Dibromofluoromethane
Concen: 49.409 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

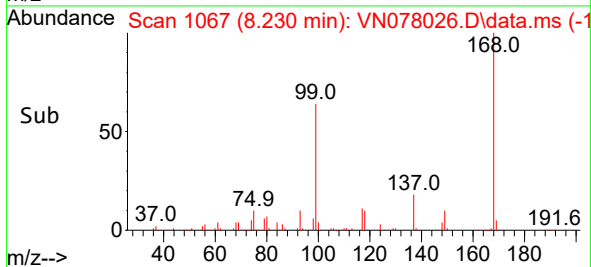
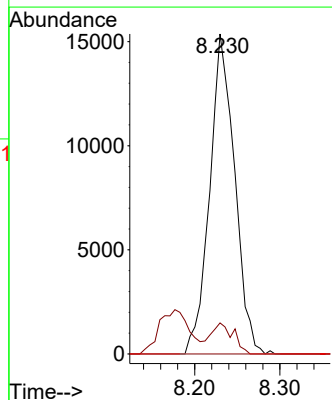
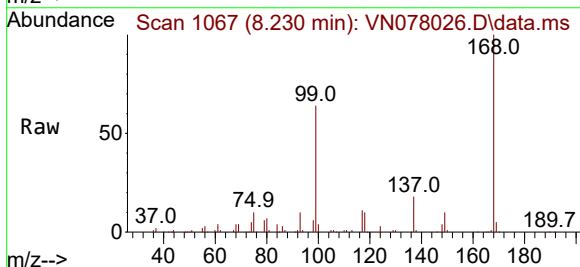
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#03

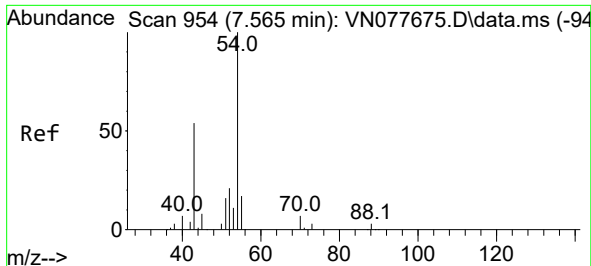
Tgt Ion:113 Resp: 226721
Ion Ratio Lower Upper
113 100
111 100.1 82.6 123.8
192 16.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.657 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

Tgt Ion: 75 Resp: 31258
Ion Ratio Lower Upper
75 100
110 9.1 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 13.018 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN078026.D

Acq: 02 Jun 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :

PB153165ZHE#03

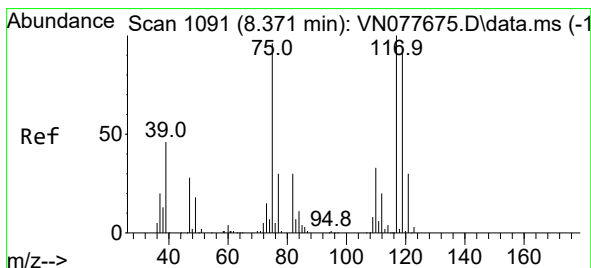
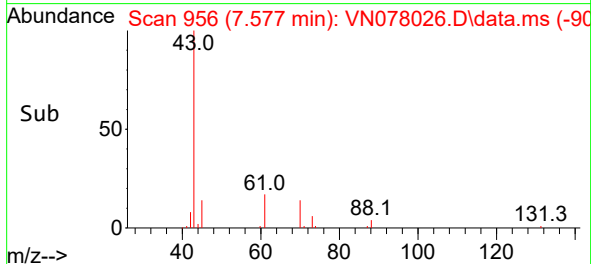
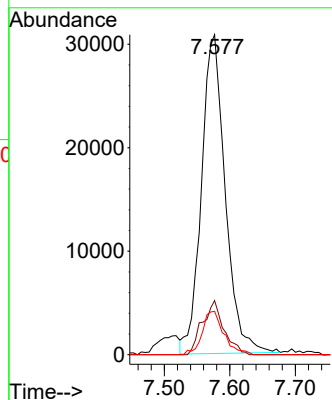
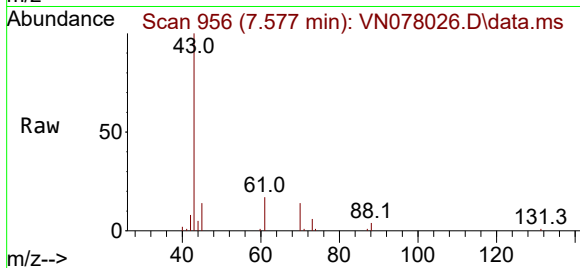
Tgt Ion: 43 Resp: 77876

Ion Ratio Lower Upper

43 100

61 15.3 13.2 19.8

70 12.4 11.3 16.9



#38

Carbon Tetrachloride

Concen: 5.839 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078026.D

Acq: 02 Jun 2023 12:57

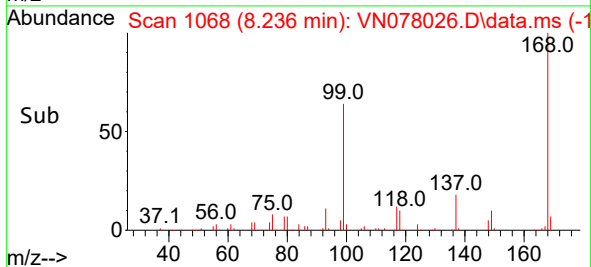
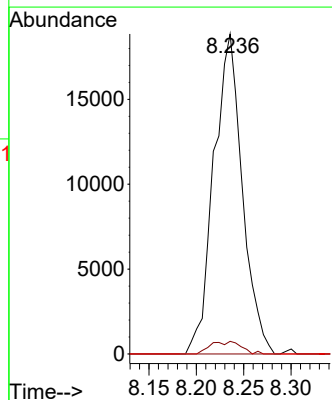
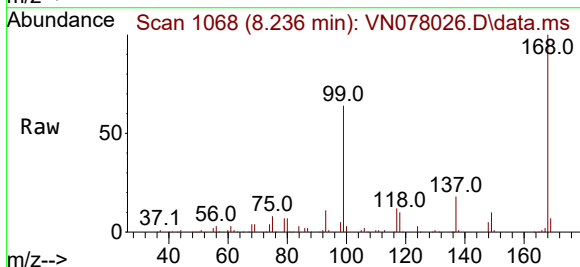
Tgt Ion: 117 Resp: 39573

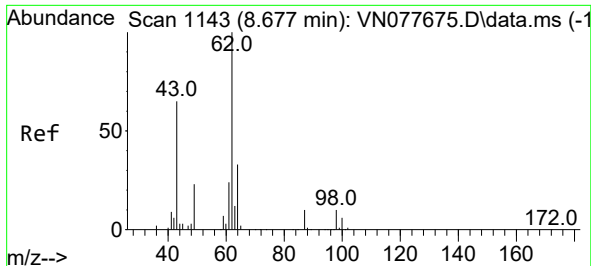
Ion Ratio Lower Upper

117 100

119 3.9 77.3 115.9#

121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.458 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.011 min

Lab File: VN078026.D

Acq: 02 Jun 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :

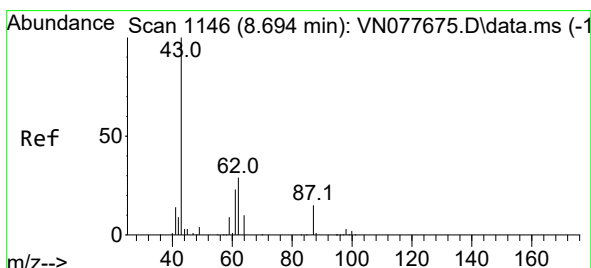
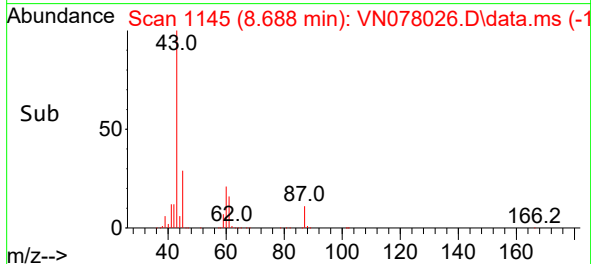
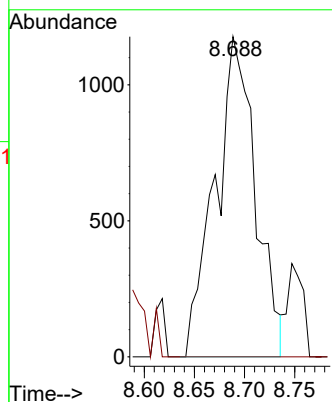
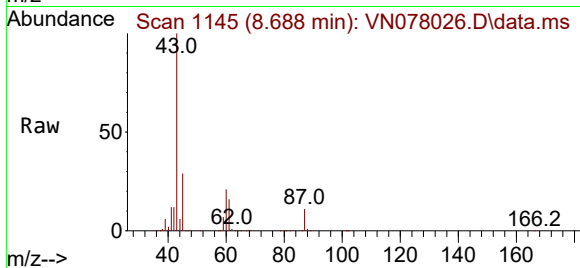
PB153165ZHE#03

Tgt Ion: 62 Resp: 3293

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 67.035 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078026.D

Acq: 02 Jun 2023 12:57

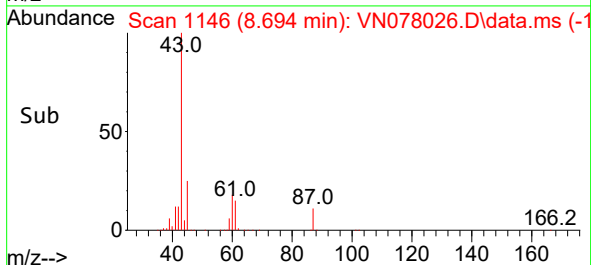
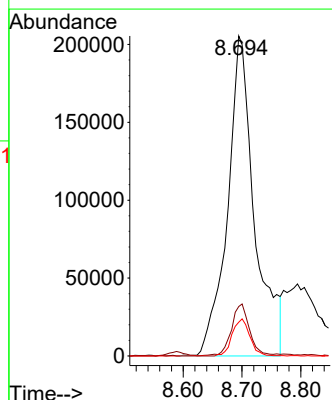
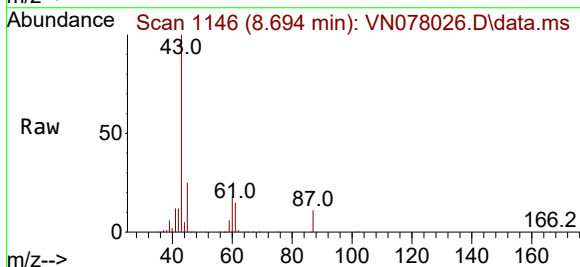
Tgt Ion: 43 Resp: 655011

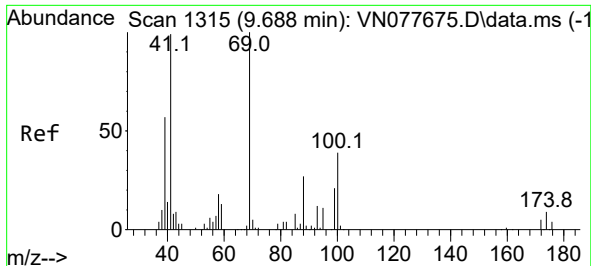
Ion Ratio Lower Upper

43 100

61 10.8 24.7 37.1#

87 7.6 14.6 21.8#

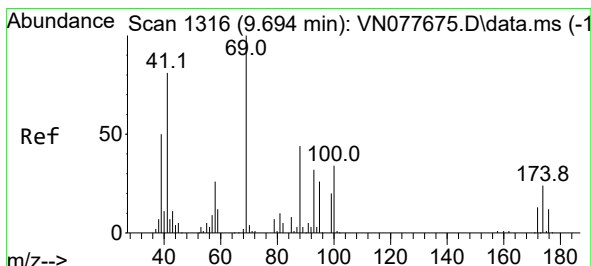
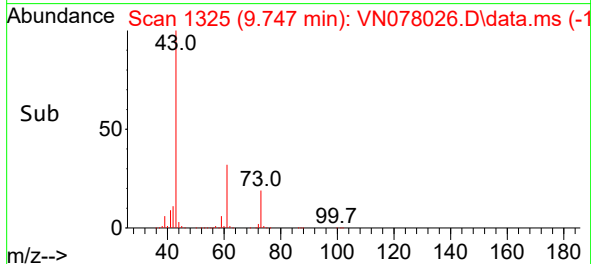
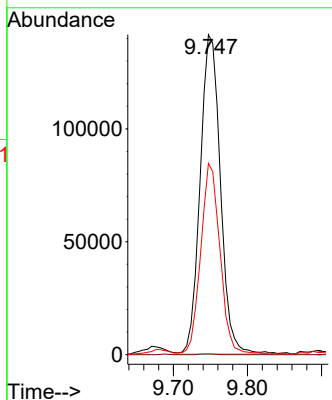
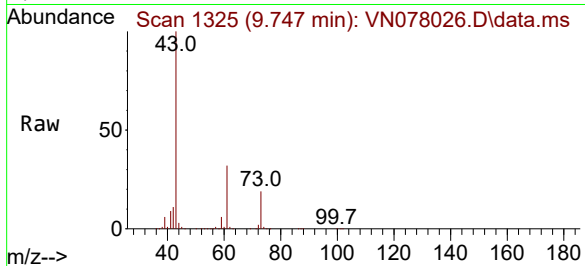




#48
Methyl methacrylate
Concen: 57.724 ug/l
RT: 9.747 min Scan# 1315
Delta R.T. 0.059 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

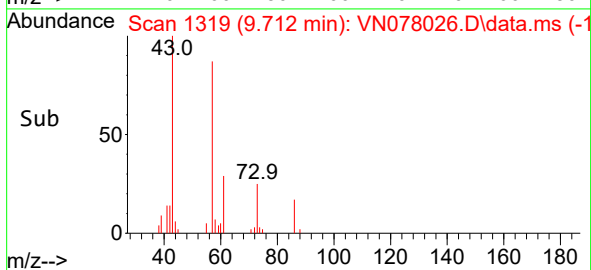
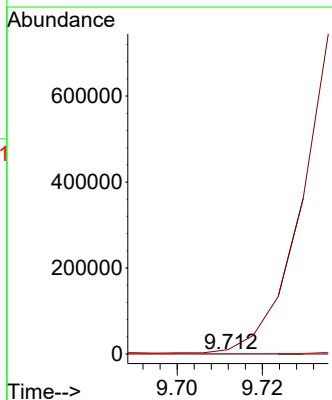
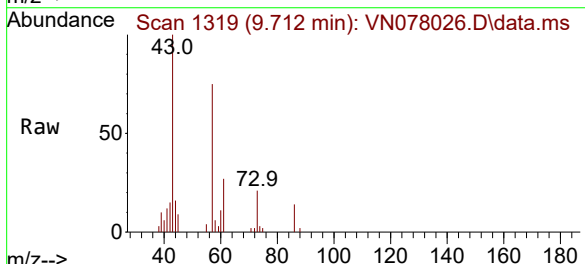
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#03

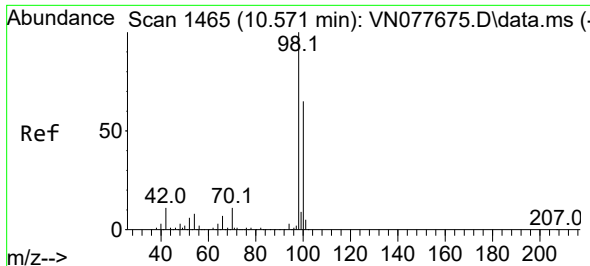
Tgt Ion: 41 Resp: 267416
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 57.7 54.6 81.8



#49
1,4-Dioxane
Concen: 0.629 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.018 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

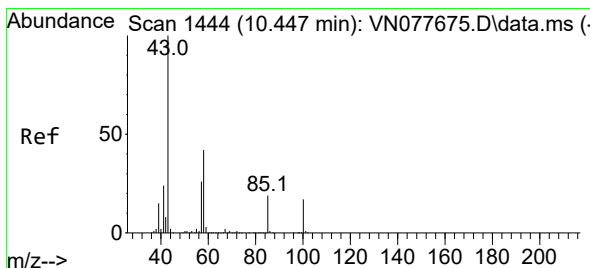
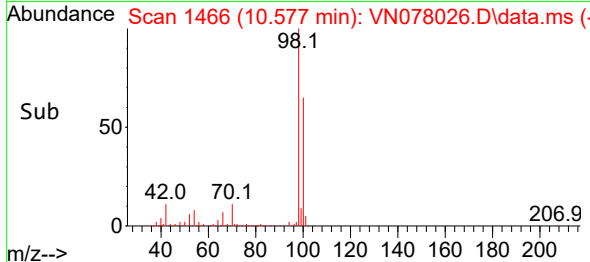
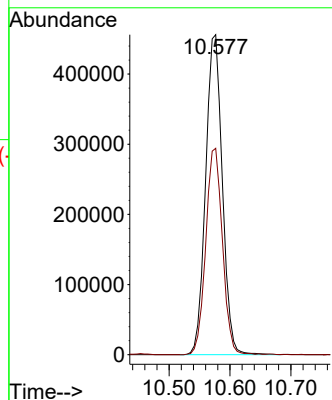
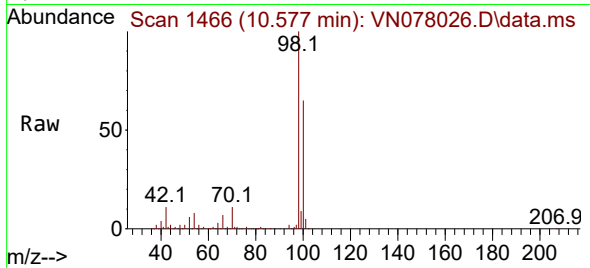




#50
Toluene-d8
Concen: 49.226 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

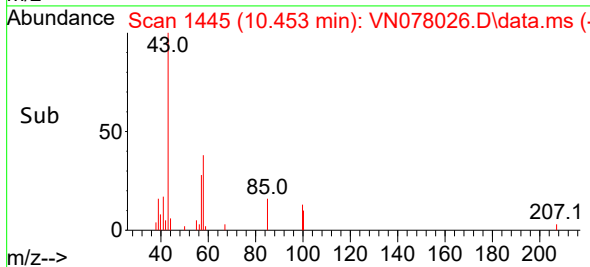
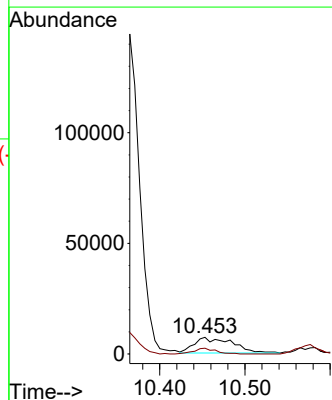
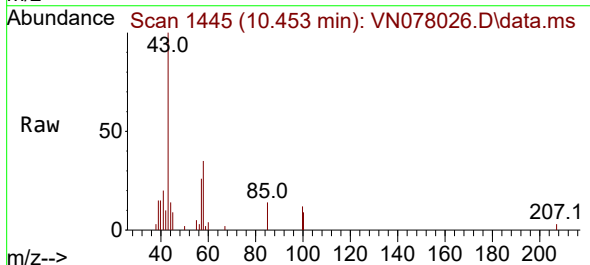
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#03

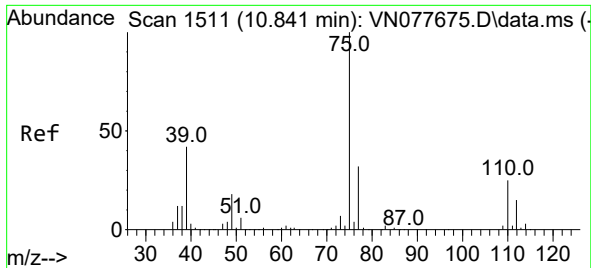
Tgt Ion: 98 Resp: 869427
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.776 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

Tgt Ion: 43 Resp: 21930
Ion Ratio Lower Upper
43 100
58 20.9 36.6 54.8#

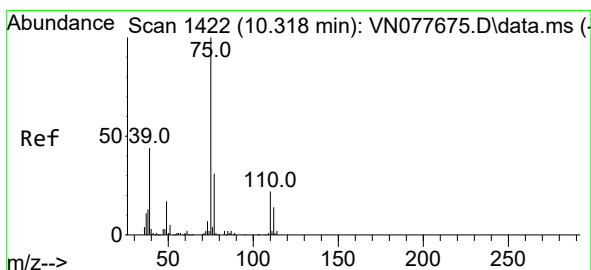
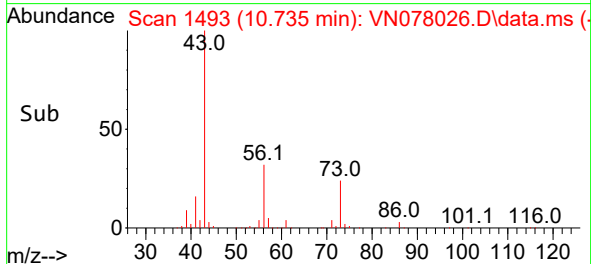
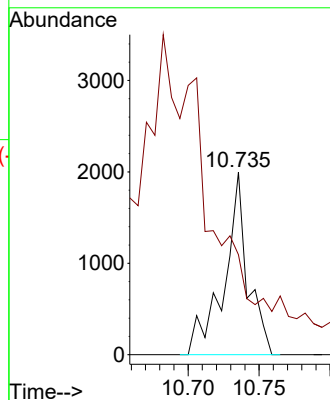
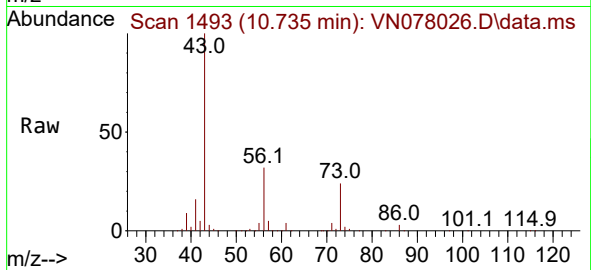




#53
t-1,3-Dichloropropene
Concen: 0.313 ug/l
RT: 10.735 min Scan# 1430
Delta R.T. -0.106 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

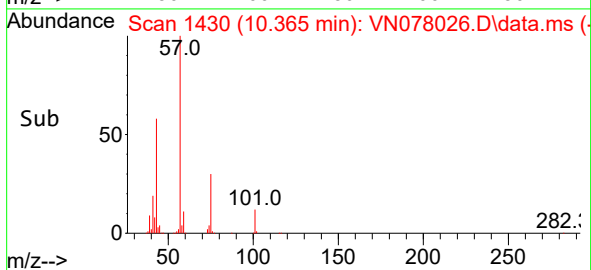
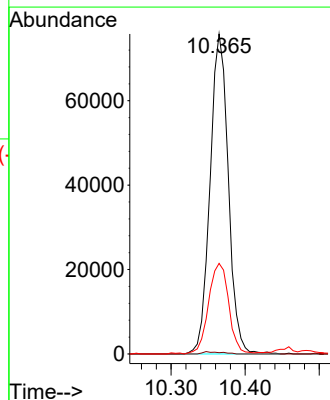
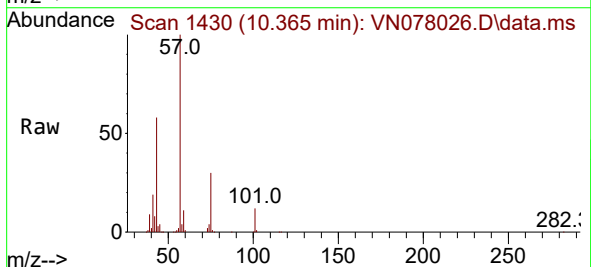
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#03

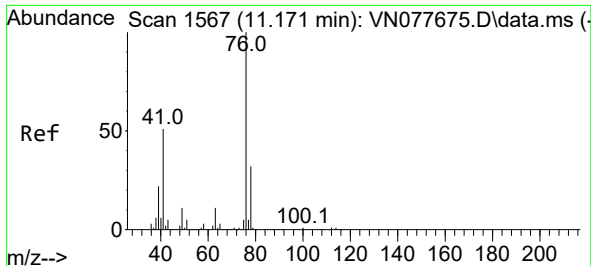
Tgt Ion: 75 Resp: 2295
Ion Ratio Lower Upper
75 100
77 22.6 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 16.067 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

Tgt Ion: 75 Resp: 129766
Ion Ratio Lower Upper
75 100
77 0.4 26.1 39.1#
39 28.0 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 1.778 ug/l

RT: 11.206 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN078026.D

Acq: 02 Jun 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :

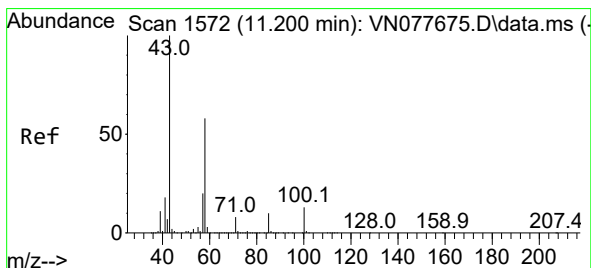
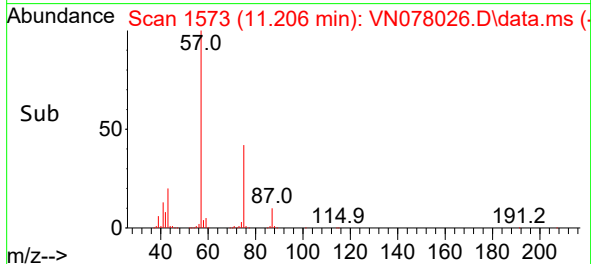
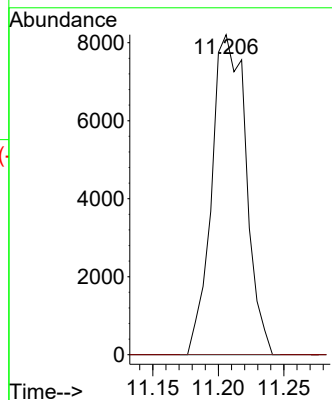
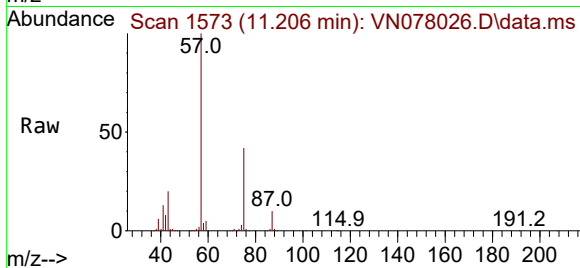
PB153165ZHE#03

Tgt Ion: 76 Resp: 14923

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 62.746 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN078026.D

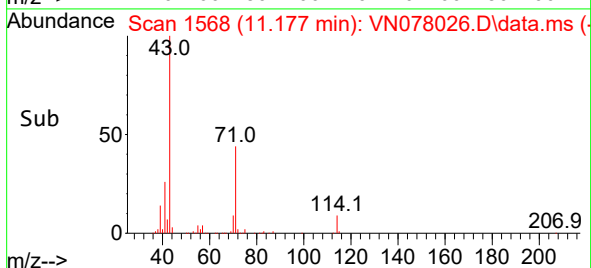
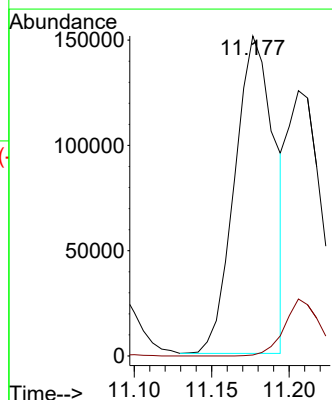
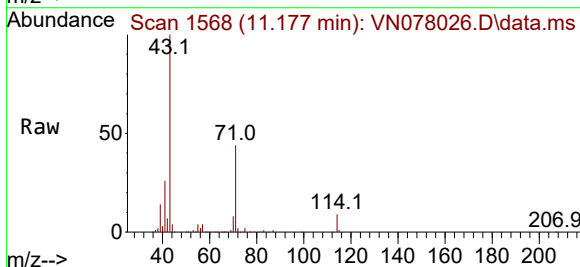
Acq: 02 Jun 2023 12:57

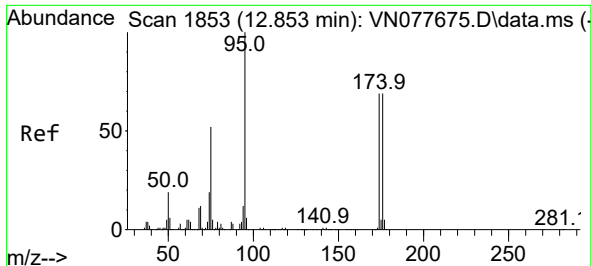
Tgt Ion: 43 Resp: 269556

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

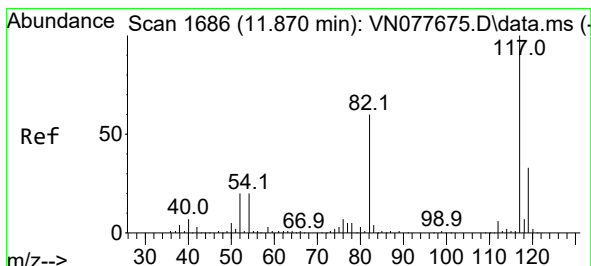
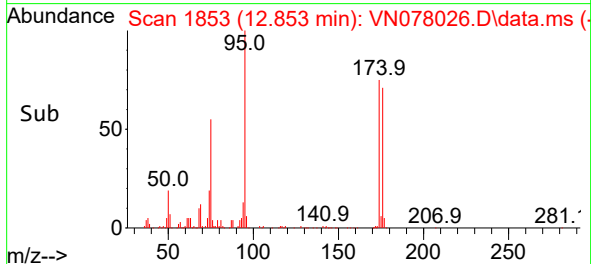
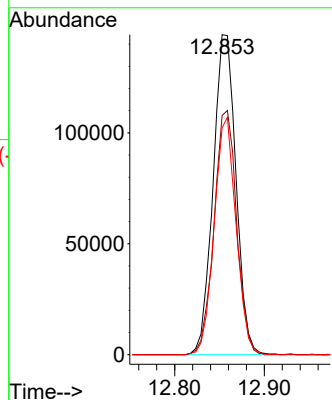
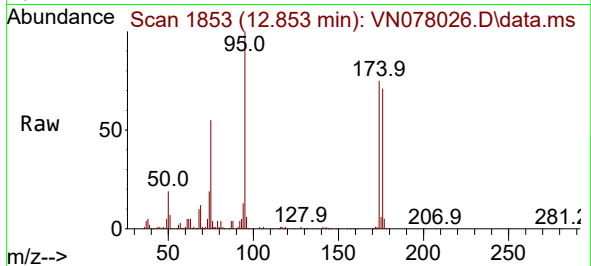




#62
4-Bromofluorobenzene
Concen: 40.899 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

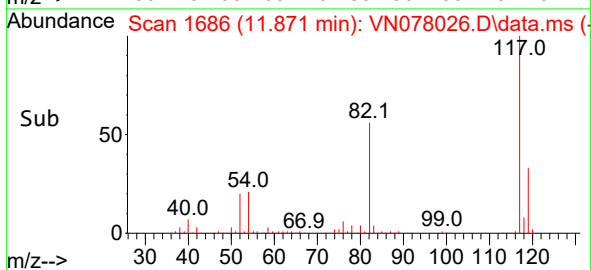
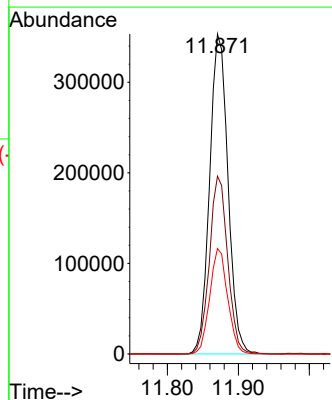
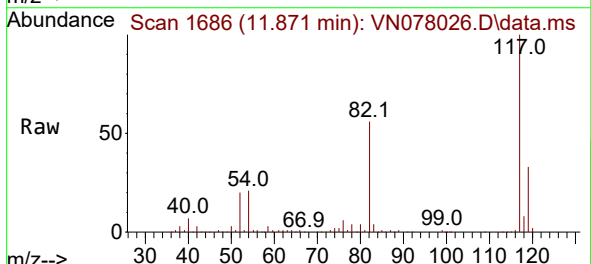
Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#03

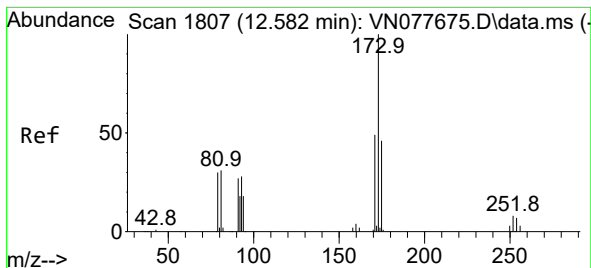
Tgt Ion: 95 Resp: 255120
Ion Ratio Lower Upper
95 100
174 75.5 0.0 143.8
176 70.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

Tgt Ion: 117 Resp: 633875
Ion Ratio Lower Upper
117 100
82 55.6 44.0 66.0
119 32.9 25.6 38.4





#71

Bromoform

Concen: 0.435 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN078026.D

Acq: 02 Jun 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :

PB153165ZHE#03

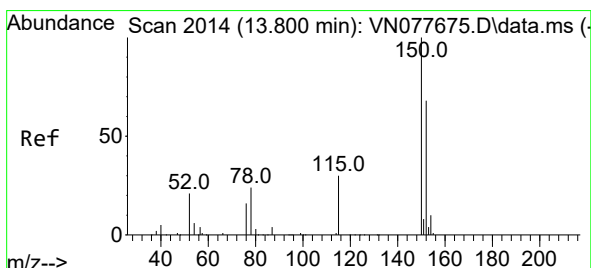
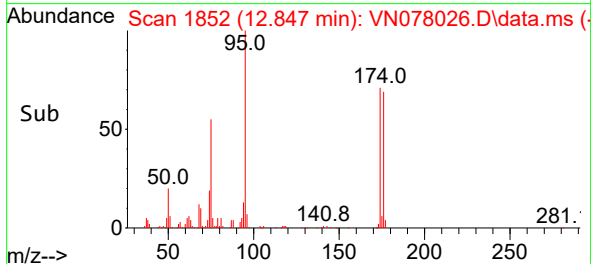
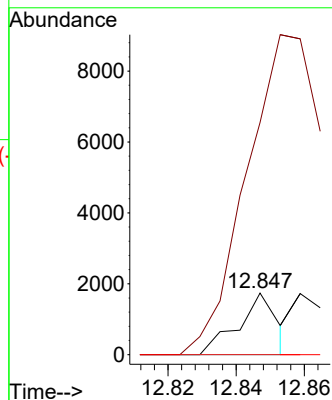
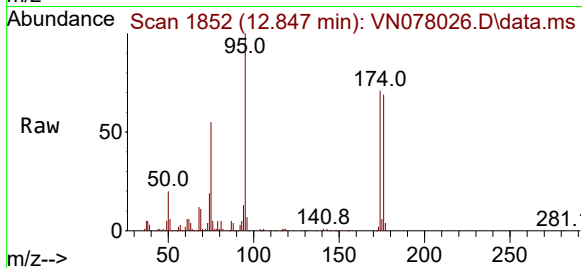
Tgt Ion:173 Resp: 1377

Ion Ratio Lower Upper

173 100

175 795.0 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: VN078026.D

Acq: 02 Jun 2023 12:57

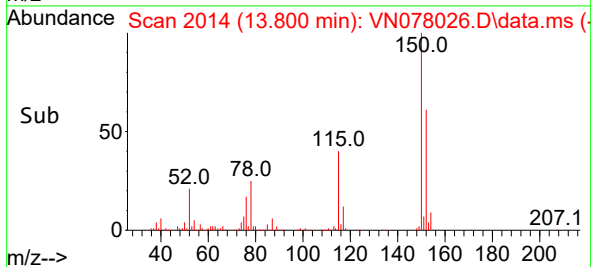
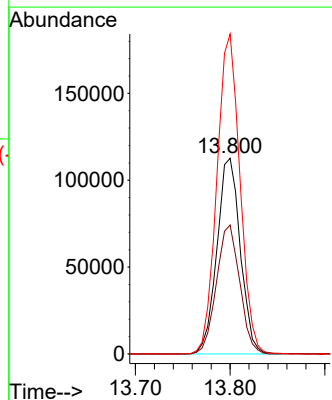
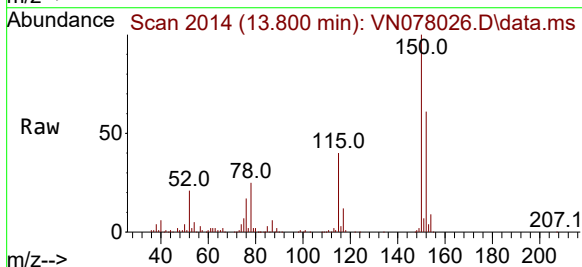
Tgt Ion:152 Resp: 193059

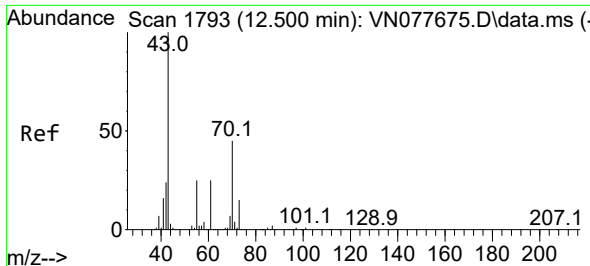
Ion Ratio Lower Upper

152 100

115 65.7 32.3 96.8

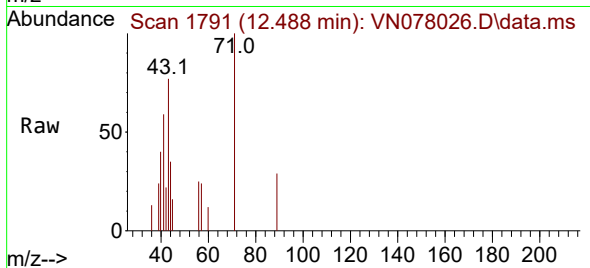
150 161.3 0.0 355.8



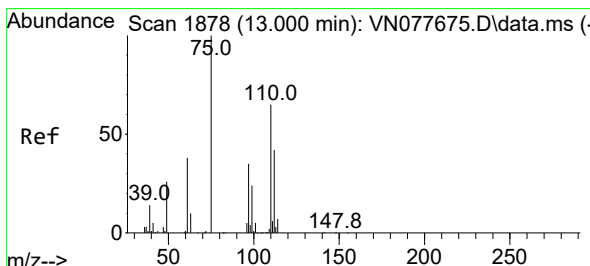
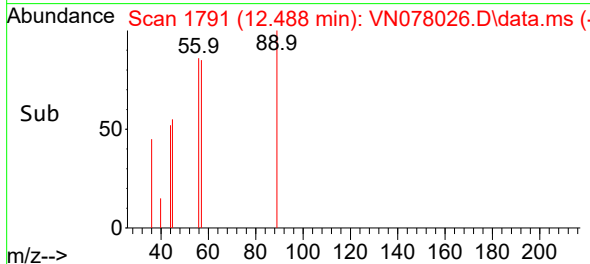
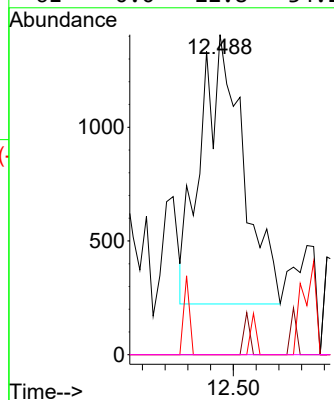


#74
N-amy1 acetate
Concen: 0.497 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

Instrument :
MSVOA_N
ClientSampleId :
PB153165ZHE#03

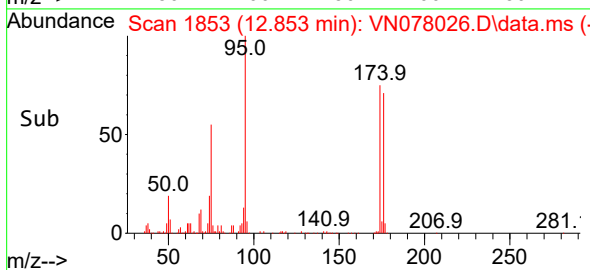
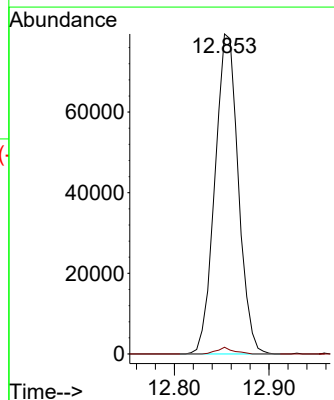
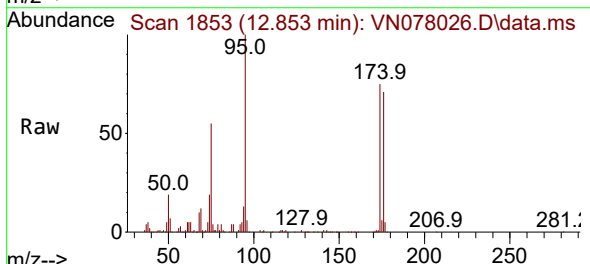


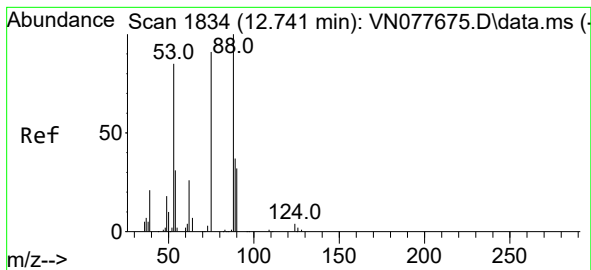
Tgt Ion: 43	Resp: 3060
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 0.0	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 28.185 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078026.D
Acq: 02 Jun 2023 12:57

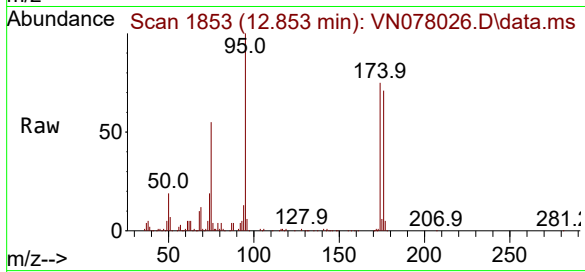
Tgt Ion: 75	Resp: 136272
Ion Ratio	Lower Upper
75 100	
77 1.5	84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.094 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078026.D
 Acq: 02 Jun 2023 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153165ZHE#03



Tgt Ion: 75 Resp: 136272
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#

