

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078043.D
 Acq On : 05 Jun 2023 14:45
 Operator : JC\MD
 Sample : PB153198ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#04

Quant Time: Jun 06 02:01:49 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)

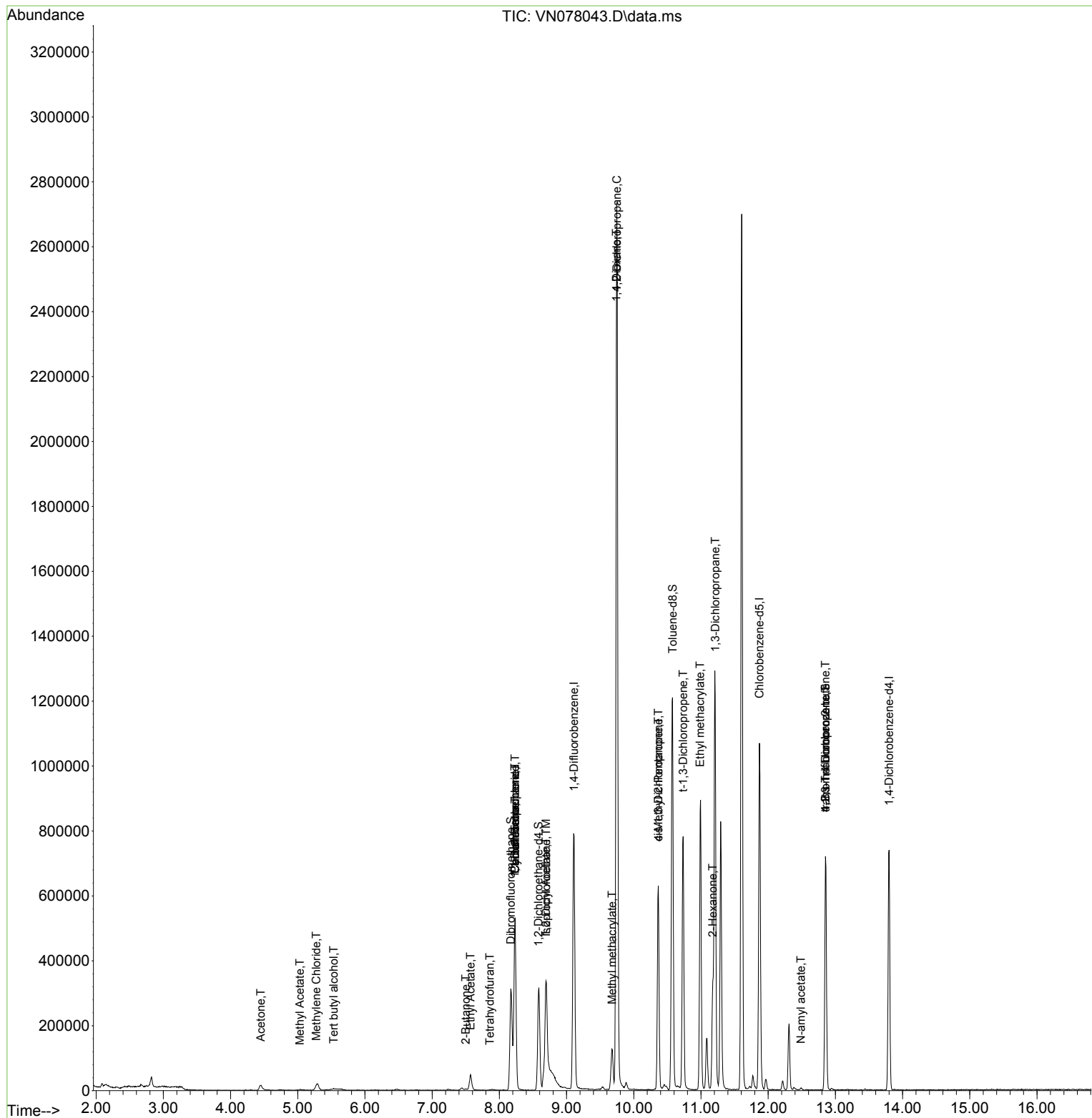
Internal Standards						
1) Pentafluorobenzene	8.235	168	383186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	722437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	647461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	203478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	263600	45.976	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.960%		
35) Dibromofluoromethane	8.171	113	233153	49.492	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.980%		
50) Toluene-d8	10.576	98	879861	48.523	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.040%		
62) 4-Bromofluorobenzene	12.853	95	265776	41.501	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.000%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1221	Below Cal	#	42
11) Tert butyl alcohol	5.535	59	1369	1.730	ug/l #	72
13) Acrolein	4.189	56	59	Below Cal	#	16
16) Acetone	4.447	43	27456	15.221	ug/l	95
18) Methyl Acetate	5.030	43	1979	0.262	ug/l #	50
20) Methylene Chloride	5.277	84	16272	1.551	ug/l #	89
25) 2-Butanone	7.500	43	5897	2.090	ug/l	92
29) Tetrahydrofuran	7.859	42	877	0.475	ug/l #	44
31) Cyclohexane	8.235	56	9806	1.258	ug/l #	49
36) 1,1-Dichloropropene	8.229	75	33689	4.889	ug/l #	47
37) Ethyl Acetate	7.571	43	64324	10.474	ug/l	98
38) Carbon Tetrachloride	8.235	117	41119	5.910	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	2949	0.399	ug/l #	73
43) Isopropyl Acetate	8.694	43	553183	55.144	ug/l #	70
45) 1,2-Dichloropropane	9.747	63	3530	0.681	ug/l #	45
48) Methyl methacrylate	9.676	41	7842	1.649	ug/l #	32
49) 1,4-Dioxane	9.741	88	394	4.386	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	222480	37.311	ug/l #	41
53) t-1,3-Dichloropropene	10.735	75	2517	0.335	ug/l #	66
54) cis-1,3-Dichloropropene	10.365	75	118752	14.322	ug/l #	69
56) Ethyl methacrylate	10.988	69	3573	0.470	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	14648	1.700	ug/l #	42
59) 2-Hexanone	11.176	43	253460	57.467	ug/l #	19
74) N-amyl acetate	12.488	43	2416	0.373	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	137900	27.061	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	137900	86.502	ug/l #	15

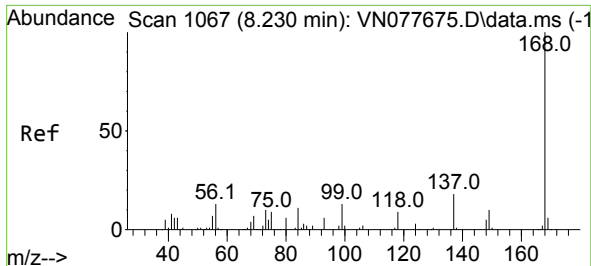
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
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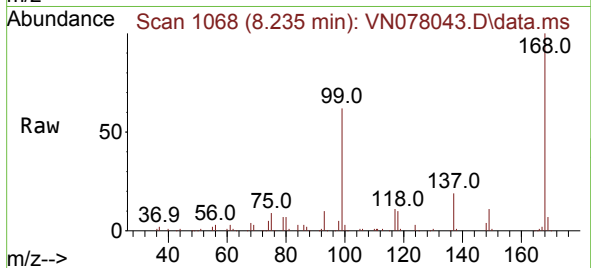
Quant Time: Jun 06 02:01:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration



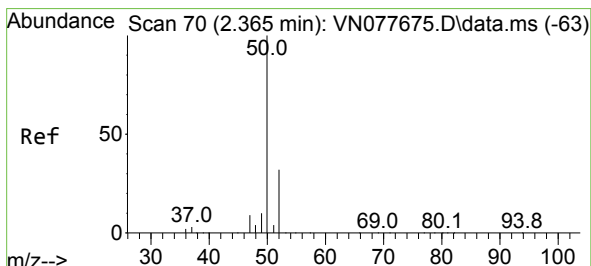
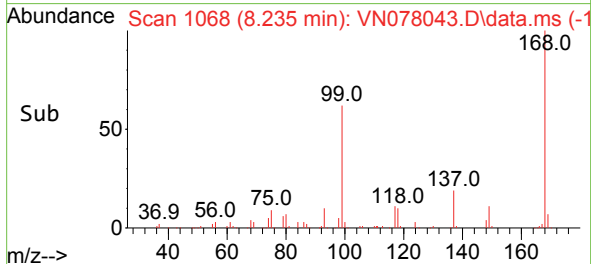
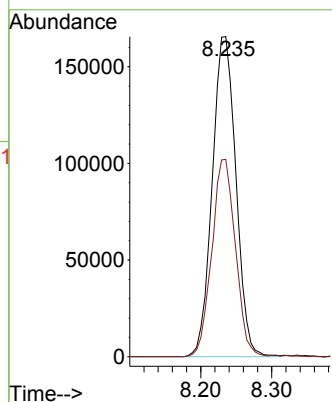


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078043.D
Acq: 05 Jun 2023 14:45

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#04

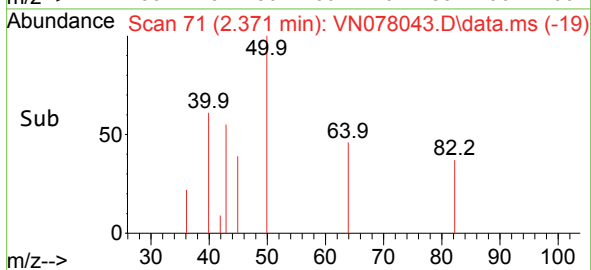
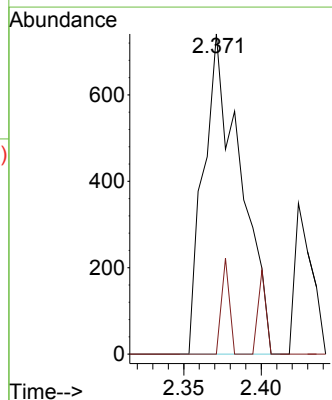
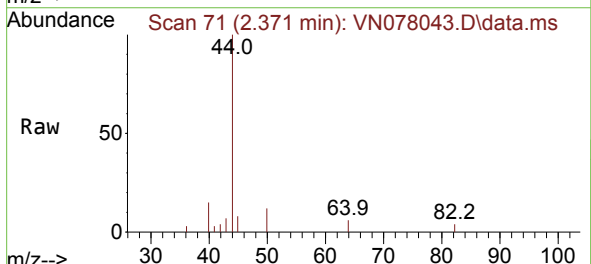


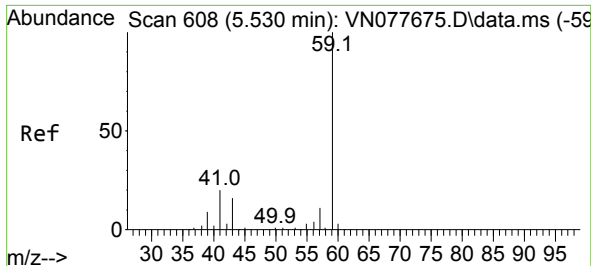
Tgt Ion:168 Resp: 383186
Ion Ratio Lower Upper
168 100
99 61.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078043.D
Acq: 05 Jun 2023 14:45

Tgt Ion: 50 Resp: 1221
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#11

Tert butyl alcohol

Concen: 1.730 ug/l

RT: 5.535 min Scan# 608

Delta R.T. 0.005 min

Lab File: VN078043.D

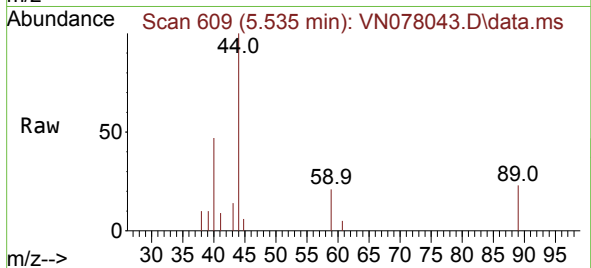
Acq: 05 Jun 2023 14:45

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#04

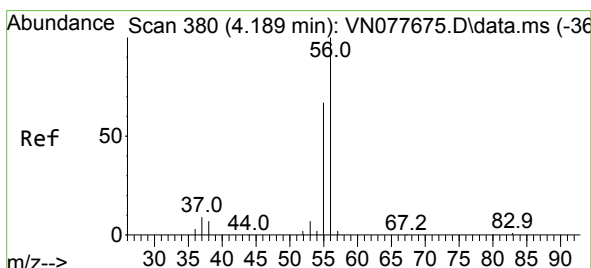
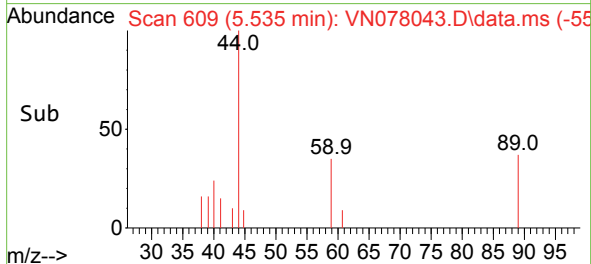
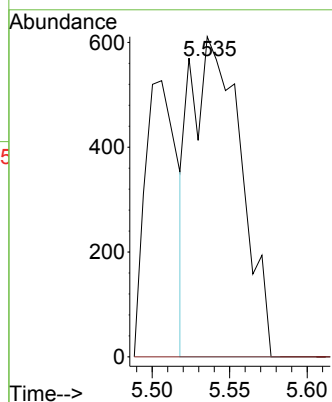


Tgt Ion: 59 Resp: 1369

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: Below Cal

RT: 4.189 min Scan# 380

Delta R.T. -0.000 min

Lab File: VN078043.D

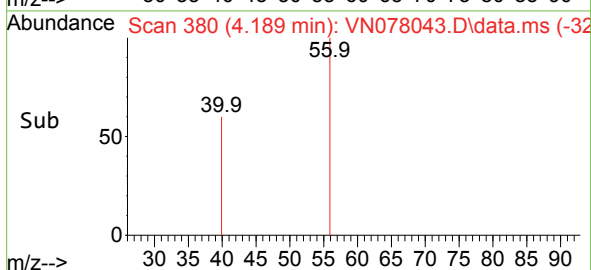
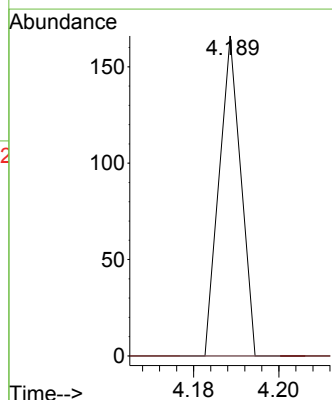
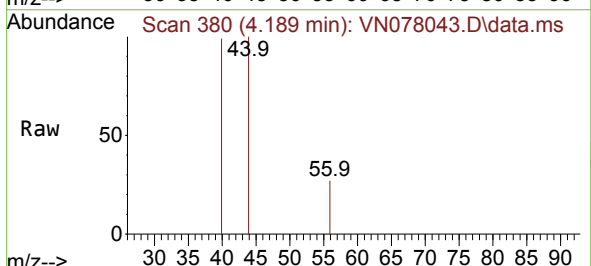
Acq: 05 Jun 2023 14:45

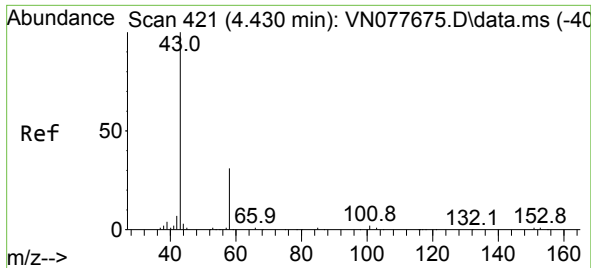
Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#

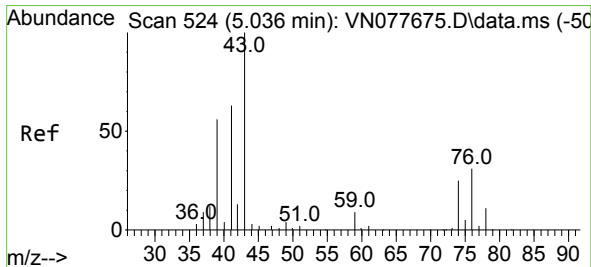
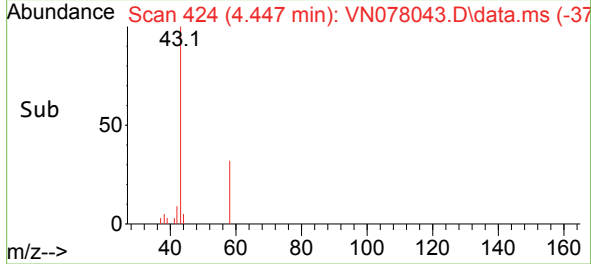
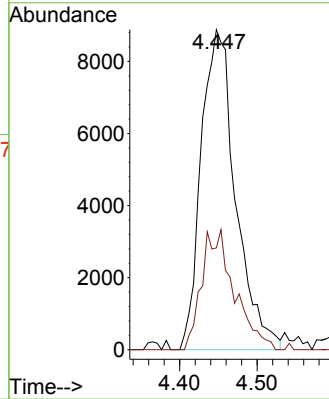
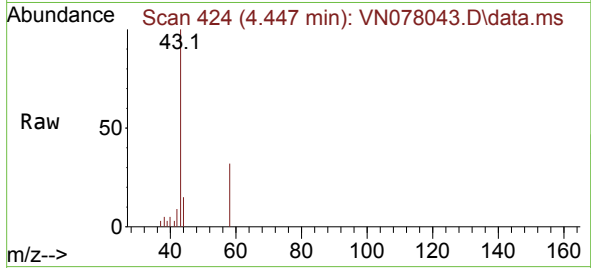




#16
Acetone
Concen: 15.221 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN078043.D
Acq: 05 Jun 2023 14:45

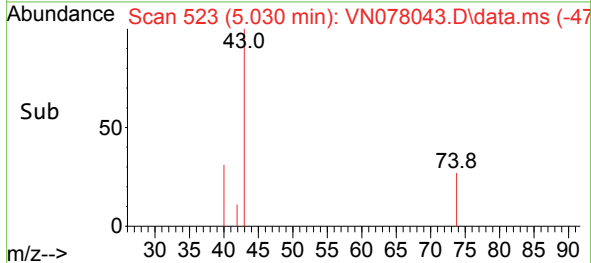
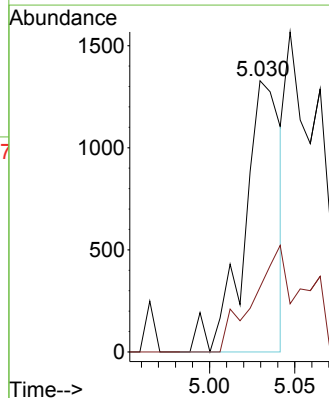
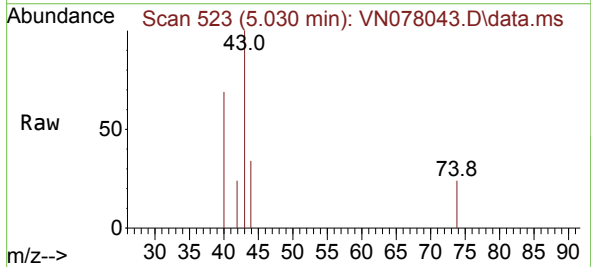
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#04

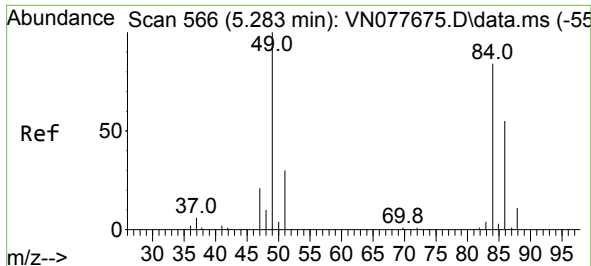
Tgt Ion: 43 Resp: 27456
Ion Ratio Lower Upper
43 100
58 31.8 28.0 42.0



#18
Methyl Acetate
Concen: 0.262 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN078043.D
Acq: 05 Jun 2023 14:45

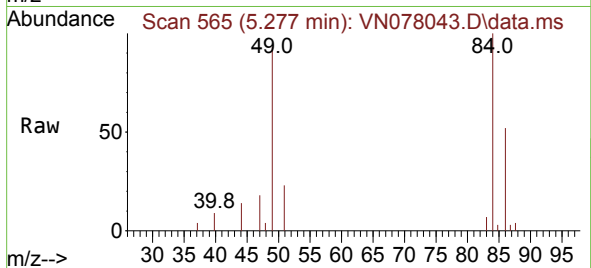
Tgt Ion: 43 Resp: 1979
Ion Ratio Lower Upper
43 100
74 61.2 26.2 39.4#



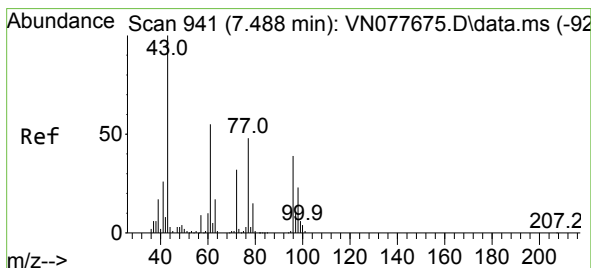
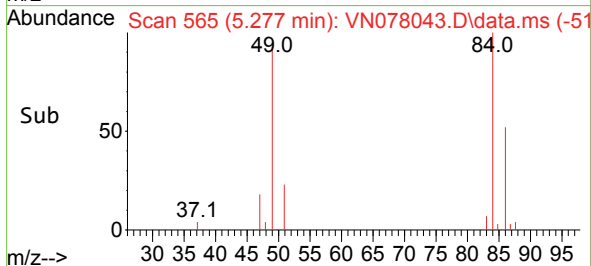
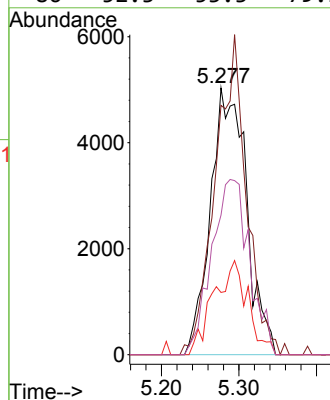


#20
Methylene Chloride
Concen: 1.551 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078043.D
Acq: 05 Jun 2023 14:45

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#04

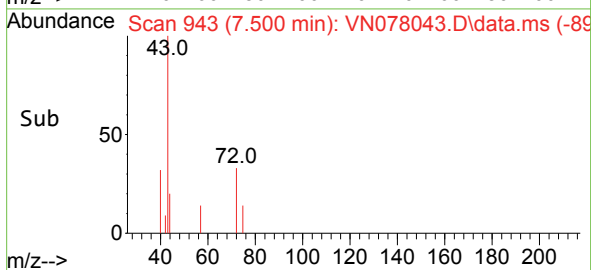
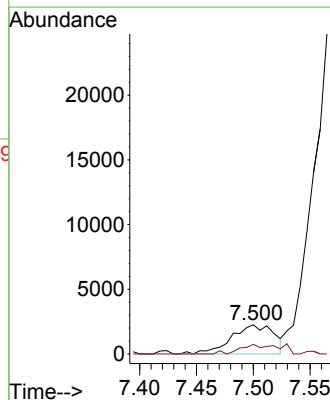
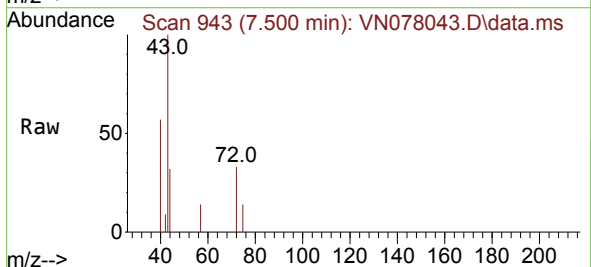


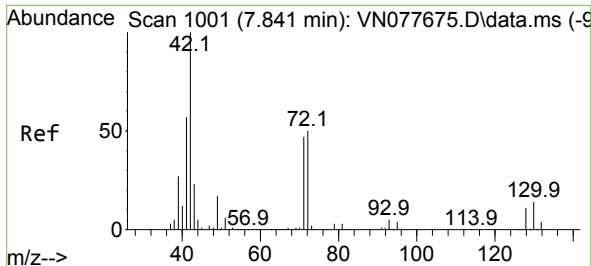
Tgt Ion:	84	Resp:	16272
Ion	Ratio	Lower	Upper
84	100		
49	93.5	79.7	119.5
51	23.4	25.2	37.8#
86	52.3	53.3	79.9#



#25
2-Butanone
Concen: 2.090 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN078043.D
Acq: 05 Jun 2023 14:45

Tgt Ion:	43	Resp:	5897
Ion	Ratio	Lower	Upper
43	100		
72	32.9	30.2	45.2

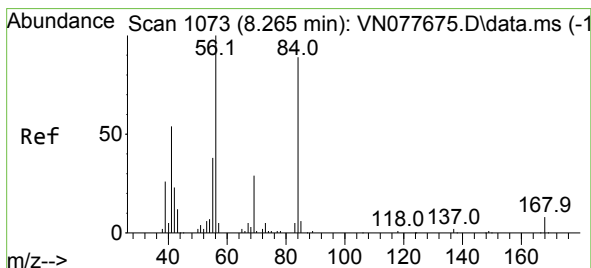
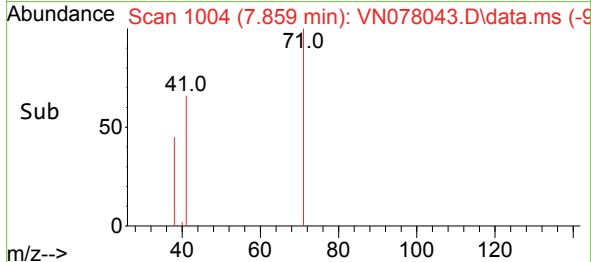
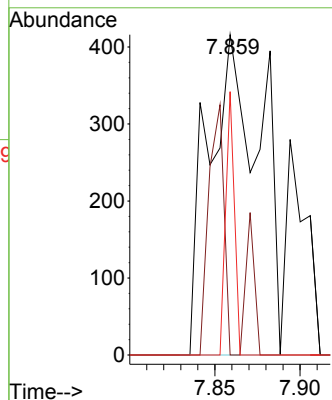
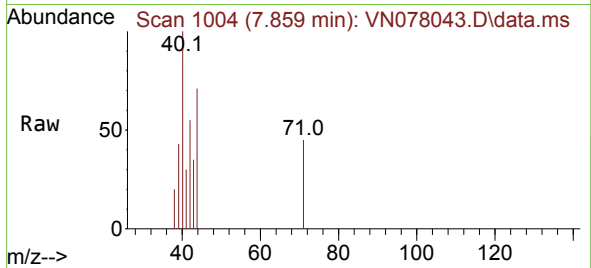




#29
Tetrahydrofuran
Concen: 0.475 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN078043.D
Acq: 05 Jun 2023 14:45

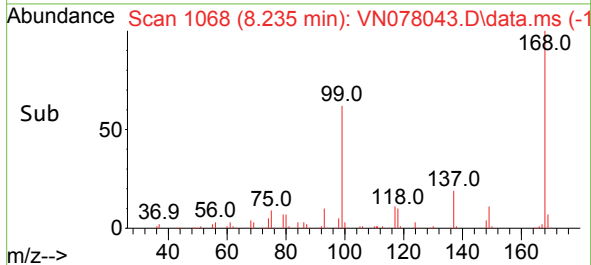
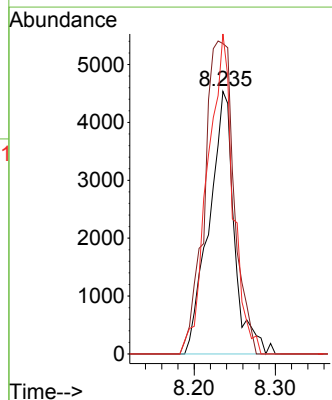
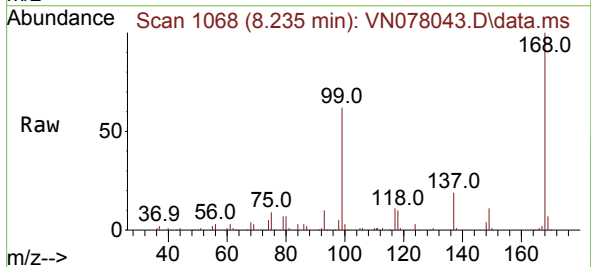
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MSVOA_N
ClientSampleId :
PB153198ZHE#04

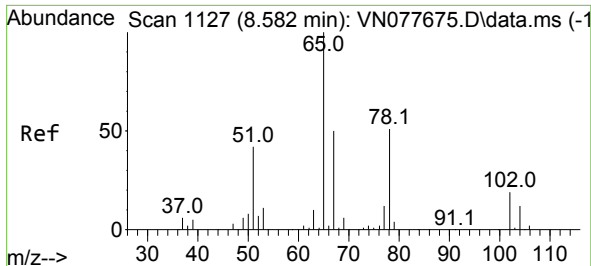
Tgt Ion: 42 Resp: 877
Ion Ratio Lower Upper
42 100
72 22.9 49.8 74.6#
71 13.8 47.4 71.2#



#31
Cyclohexane
Concen: 1.258 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078043.D
Acq: 05 Jun 2023 14:45

Tgt Ion: 56 Resp: 9806
Ion Ratio Lower Upper
56 100
69 118.2 26.8 40.2#
84 121.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 45.976 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

Instrument :

MSVOA_N

ClientSampleId :

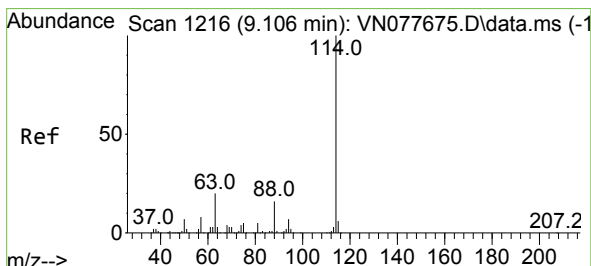
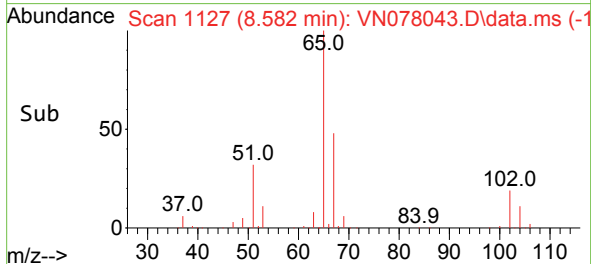
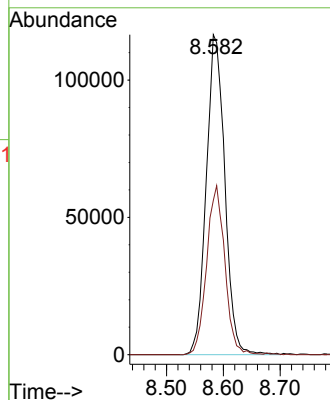
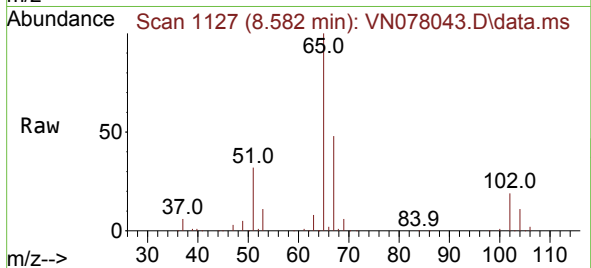
PB153198ZHE#04

Tgt Ion: 65 Resp: 263600

Ion Ratio Lower Upper

65 100

67 51.8 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: VN078043.D

Acq: 05 Jun 2023 14:45

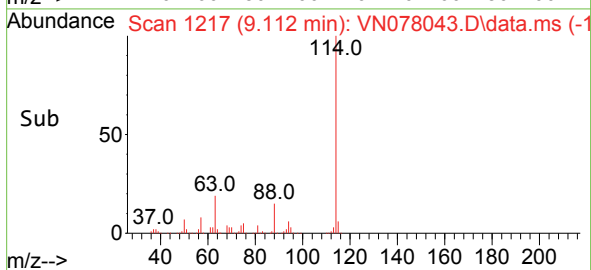
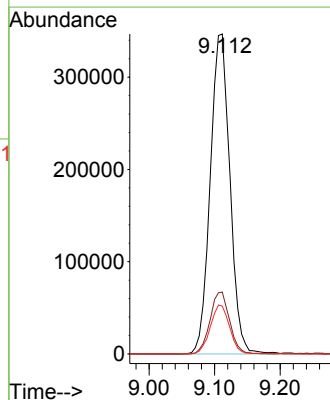
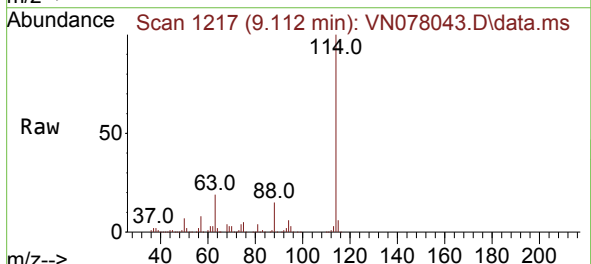
Tgt Ion: 114 Resp: 722437

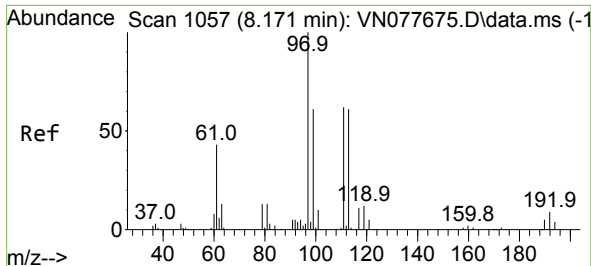
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.492 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#04

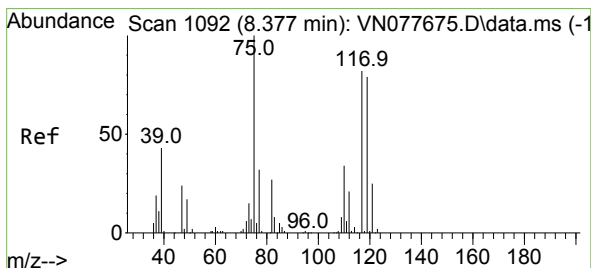
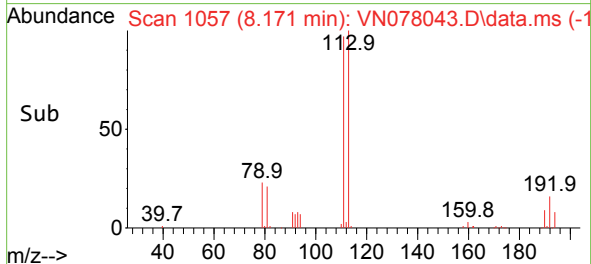
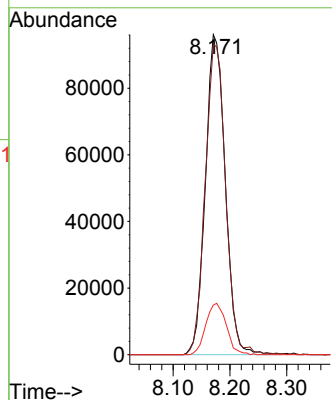
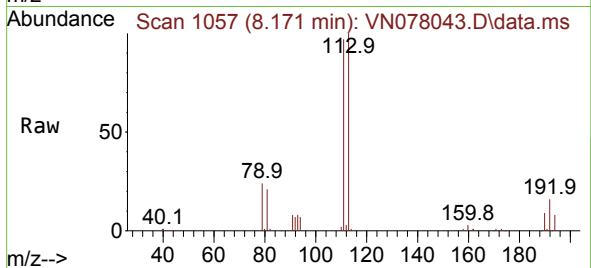
Tgt Ion:113 Resp: 233153

Ion Ratio Lower Upper

113 100

111 99.3 82.6 123.8

192 16.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.889 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

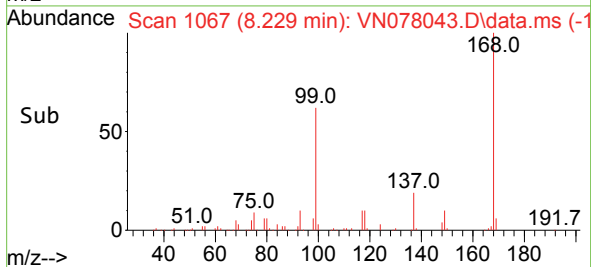
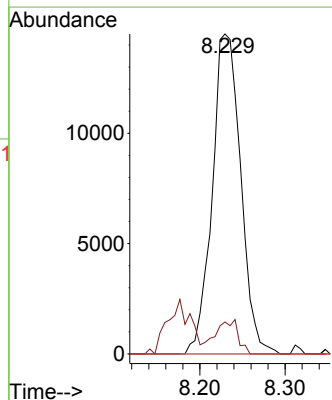
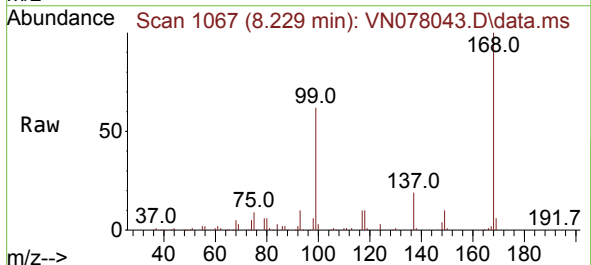
Tgt Ion: 75 Resp: 33689

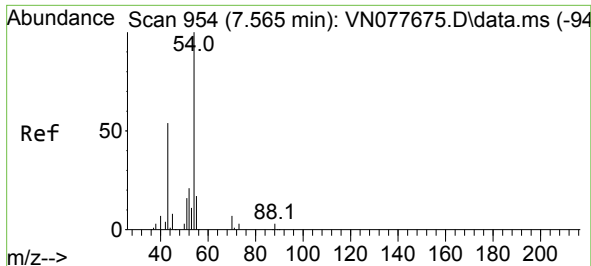
Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 10.474 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN078043.D

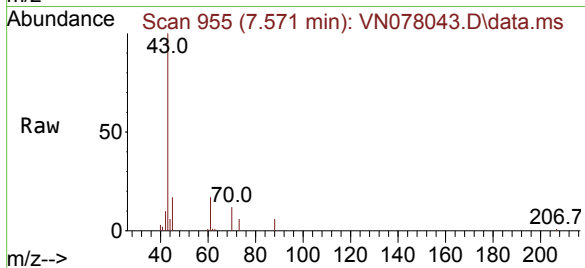
Acq: 05 Jun 2023 14:45

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#04



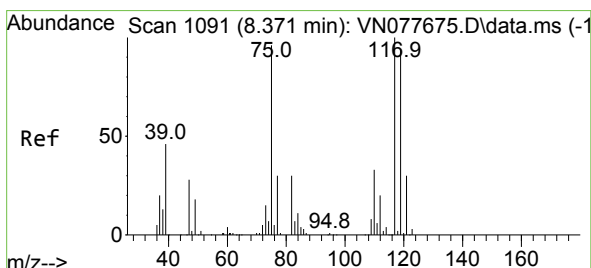
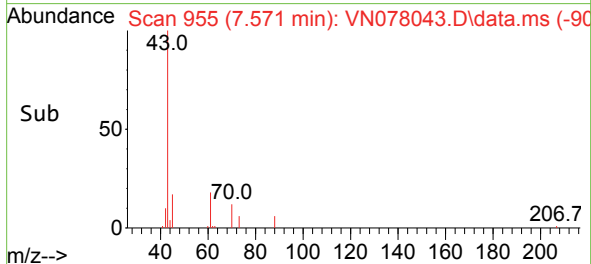
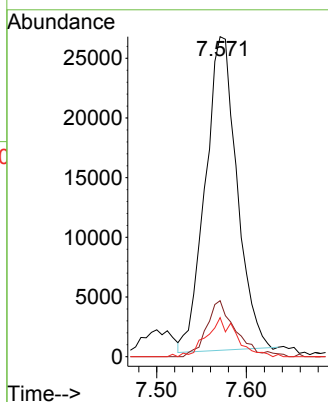
Tgt Ion: 43 Resp: 64324

Ion Ratio Lower Upper

43 100

61 16.5 13.2 19.8

70 12.0 11.3 16.9



#38

Carbon Tetrachloride

Concen: 5.910 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

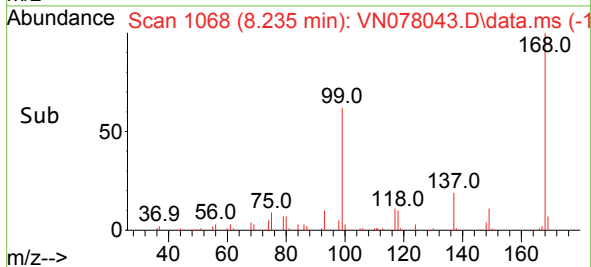
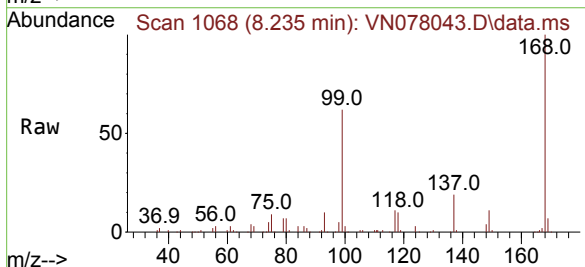
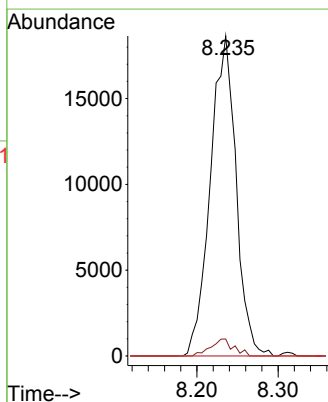
Tgt Ion: 117 Resp: 41119

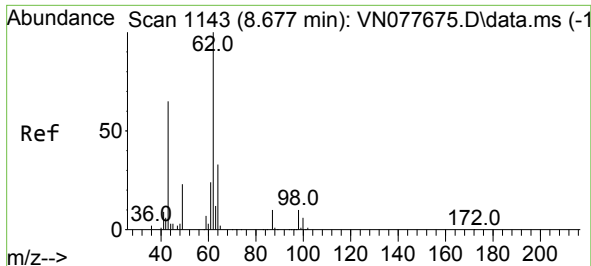
Ion Ratio Lower Upper

117 100

119 5.3 77.3 115.9#

121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.399 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

Instrument :

MSVOA_N

ClientSampleId :

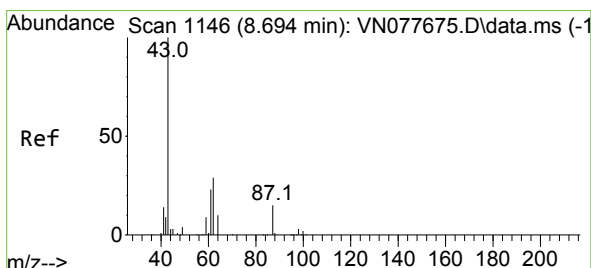
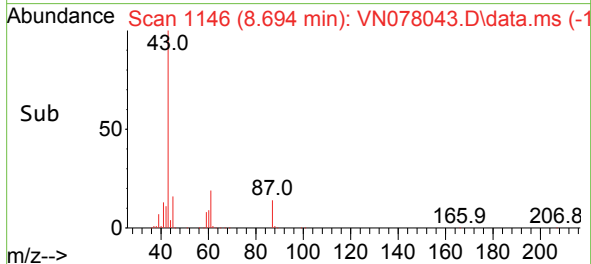
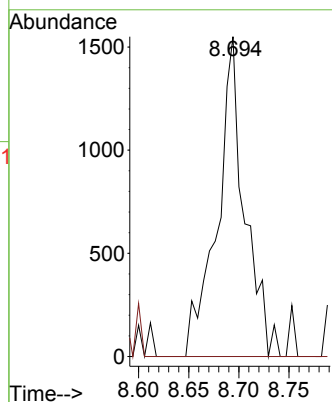
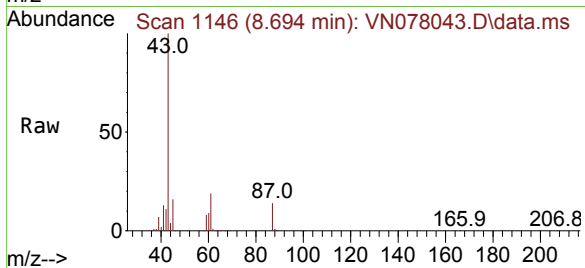
PB153198ZHE#04

Tgt Ion: 62 Resp: 2949

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 55.144 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

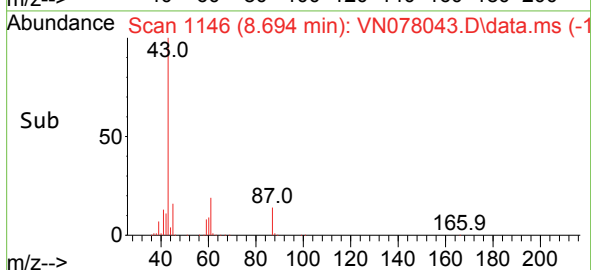
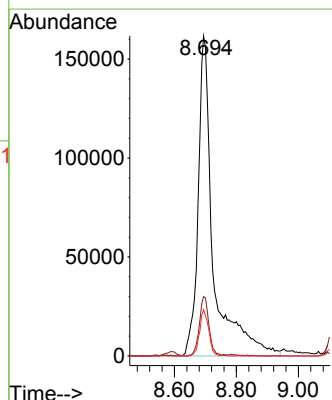
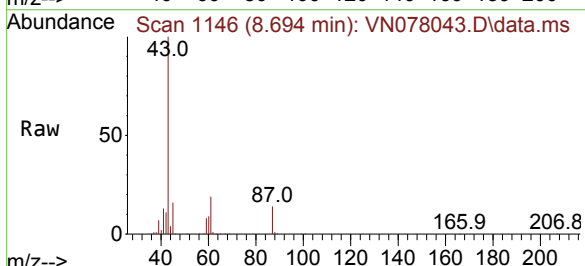
Tgt Ion: 43 Resp: 553183

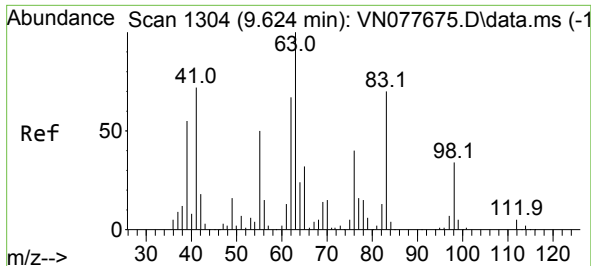
Ion Ratio Lower Upper

43 100

61 11.7 24.7 37.1#

87 8.6 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.681 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

Instrument :

MSVOA_N

ClientSampleId :

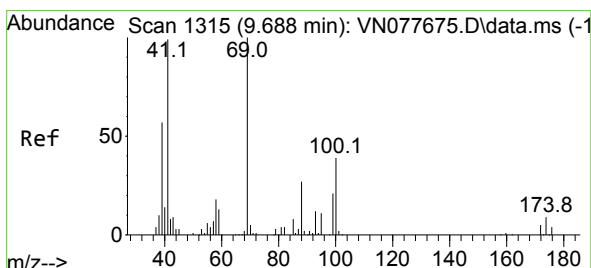
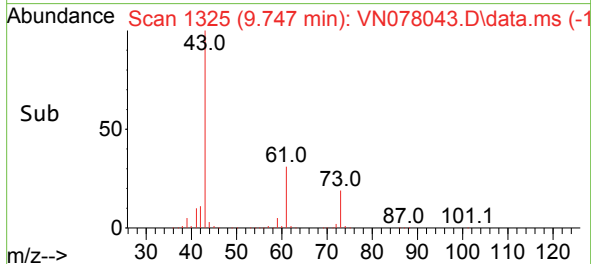
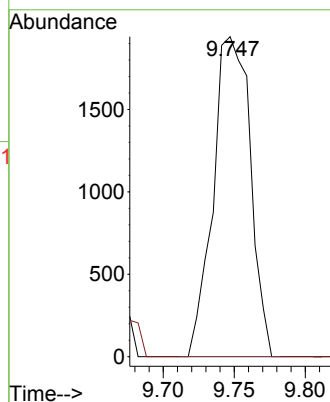
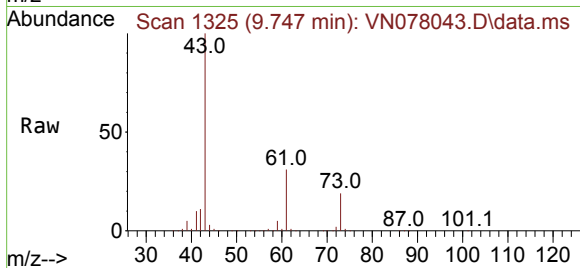
PB153198ZHE#04

Tgt Ion: 63 Resp: 3530

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.649 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.012 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

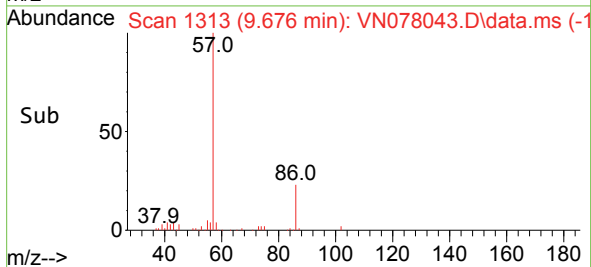
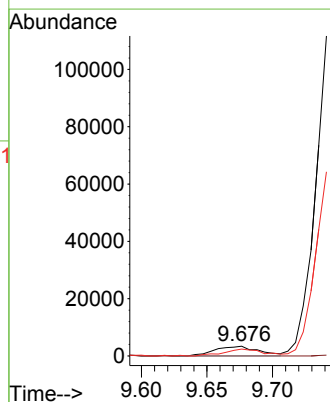
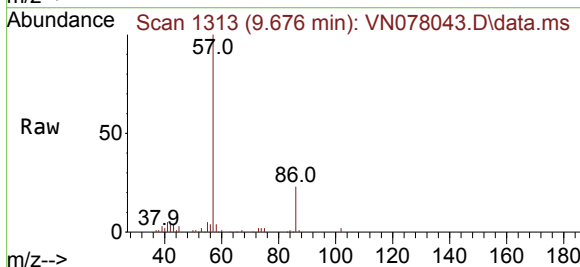
Tgt Ion: 41 Resp: 7842

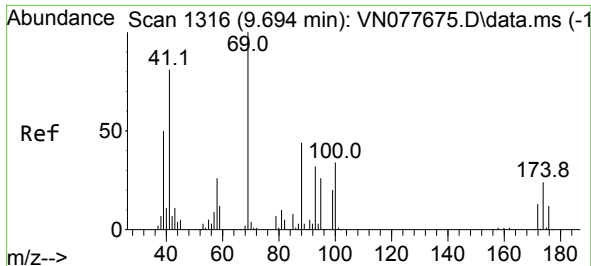
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 62.7 54.6 81.8





#49

1,4-Dioxane

Concen: 4.386 ug/l

RT: 9.741 min Scan# 1316

Delta R.T. 0.047 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#04

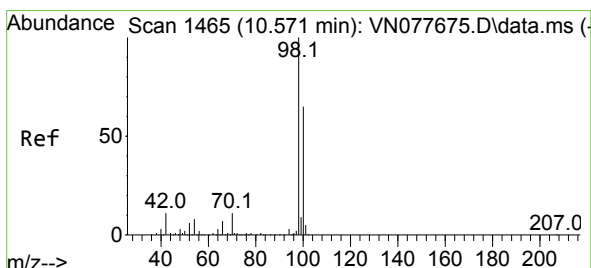
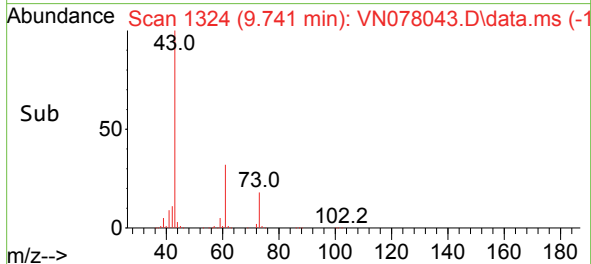
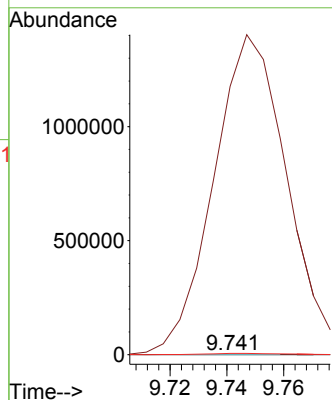
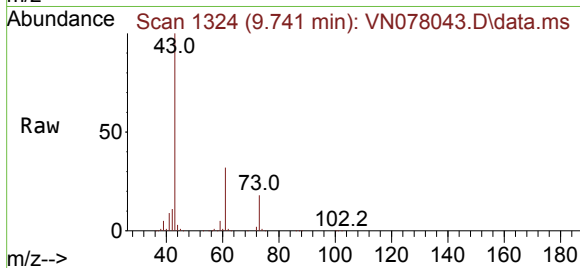
Tgt Ion: 88 Resp: 394

Ion Ratio Lower Upper

88 100

43 645957.6 17.0 25.6#

58 2979.4 47.0 70.4#



#50

Toluene-d8

Concen: 48.523 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN078043.D

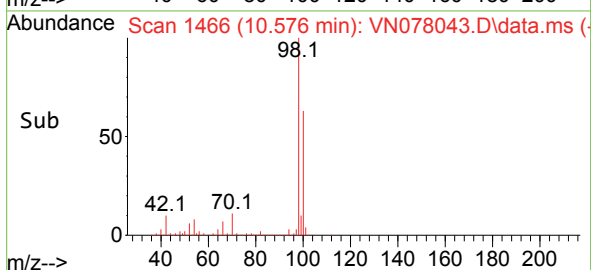
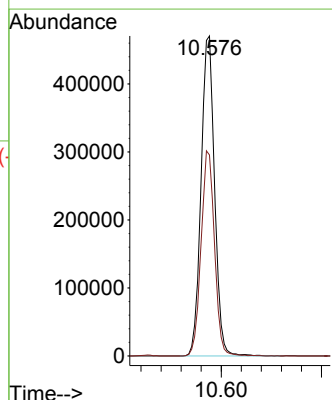
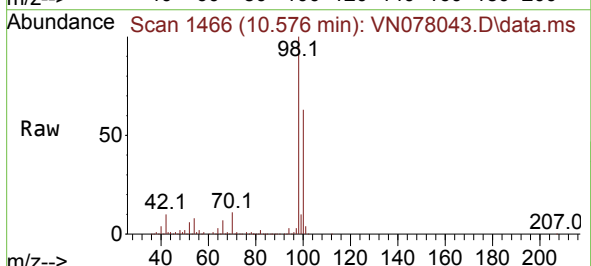
Acq: 05 Jun 2023 14:45

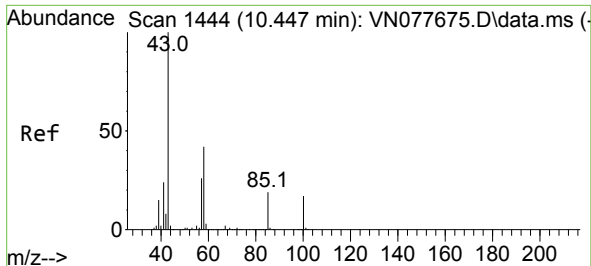
Tgt Ion: 98 Resp: 879861

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 37.311 ug/l

RT: 10.365 min Scan# 14

Delta R.T. -0.082 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

Instrument :

MSVOA_N

ClientSampleId :

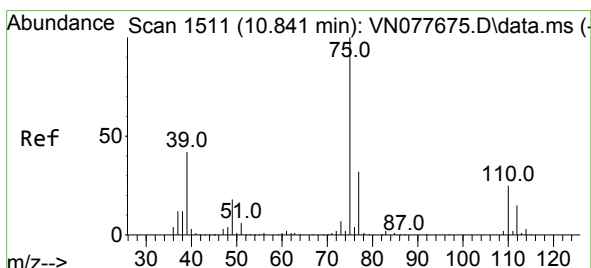
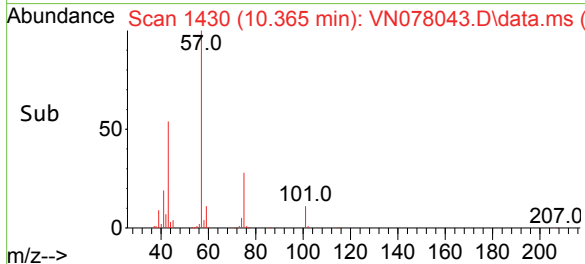
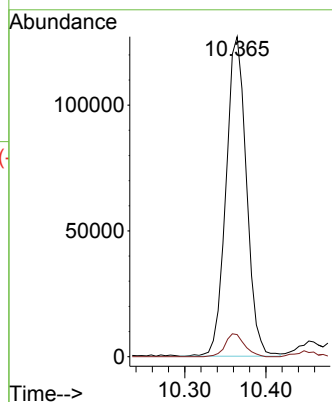
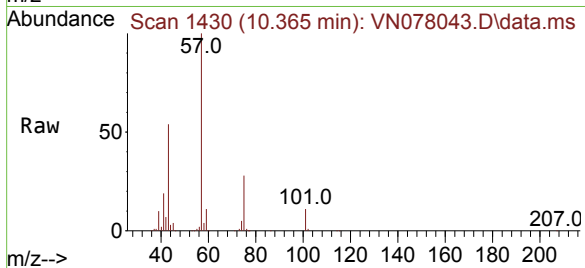
PB153198ZHE#04

Tgt Ion: 43 Resp: 222480

Ion Ratio Lower Upper

43 100

58 6.8 36.6 54.8#



#53

t-1,3-Dichloropropene

Concen: 0.335 ug/l

RT: 10.735 min Scan# 1493

Delta R.T. -0.106 min

Lab File: VN078043.D

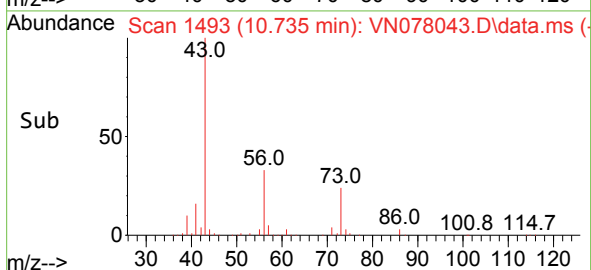
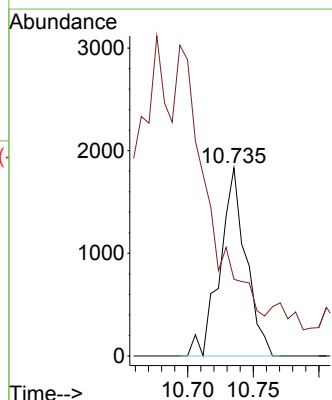
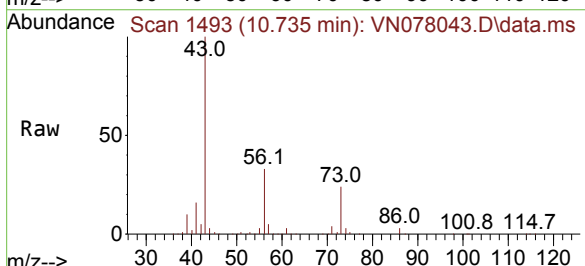
Acq: 05 Jun 2023 14:45

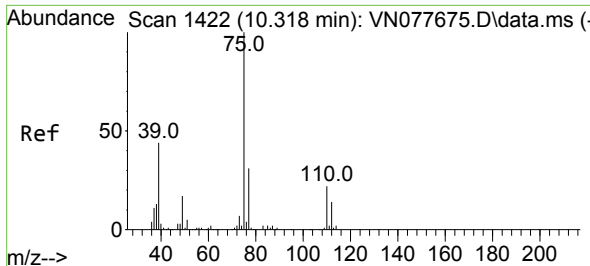
Tgt Ion: 75 Resp: 2517

Ion Ratio Lower Upper

75 100

77 12.5 25.4 38.0#

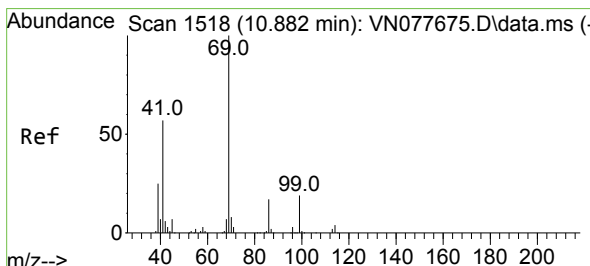
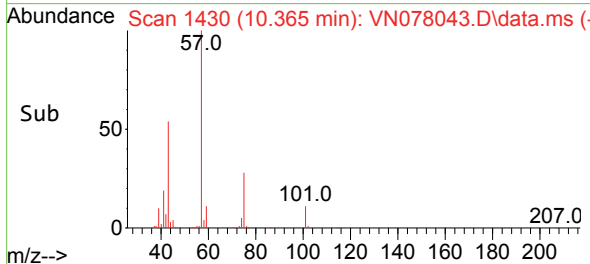
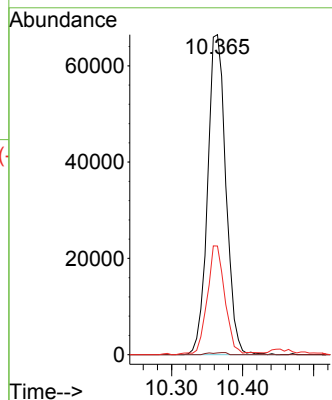
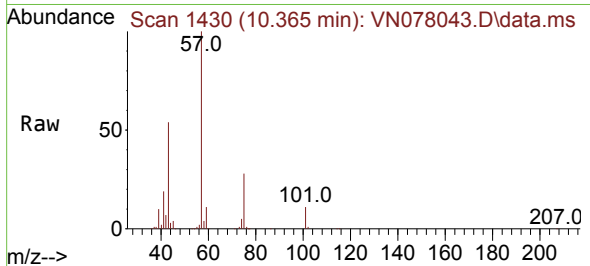




#54
cis-1,3-Dichloropropene
Concen: 14.322 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN078043.D
Acq: 05 Jun 2023 14:45

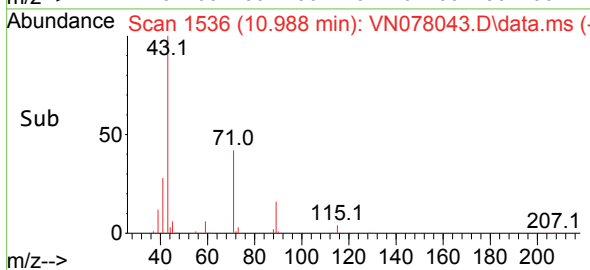
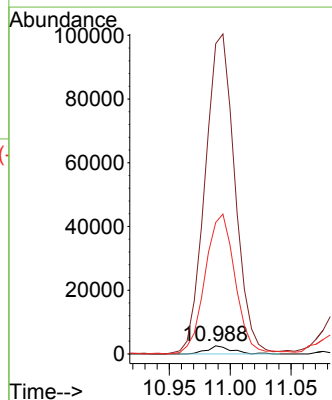
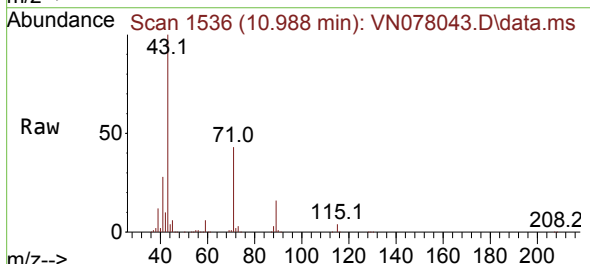
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#04

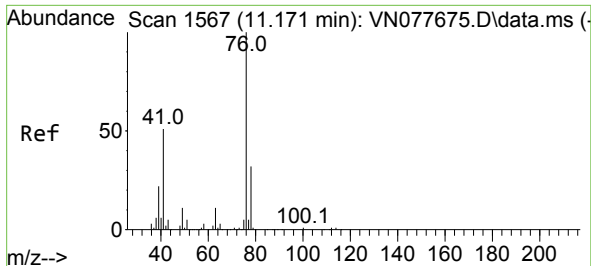
Tgt Ion: 75 Resp: 118752
Ion Ratio Lower Upper
75 100
77 0.5 26.1 39.1#
39 33.6 31.6 47.4



#56
Ethyl methacrylate
Concen: 0.470 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.106 min
Lab File: VN078043.D
Acq: 05 Jun 2023 14:45

Tgt Ion: 69 Resp: 3573
Ion Ratio Lower Upper
69 100
41 4801.1 39.6 59.4#
39 2130.6 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.700 ug/l

RT: 11.212 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

Instrument :

MSVOA_N

ClientSampleId :

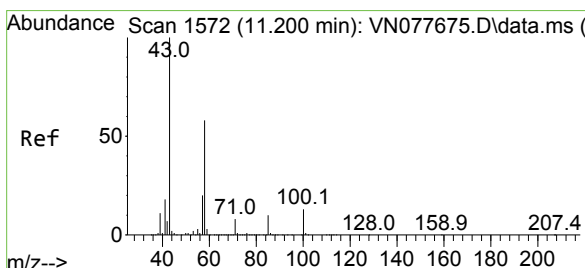
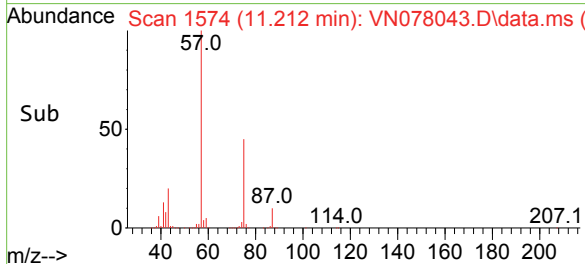
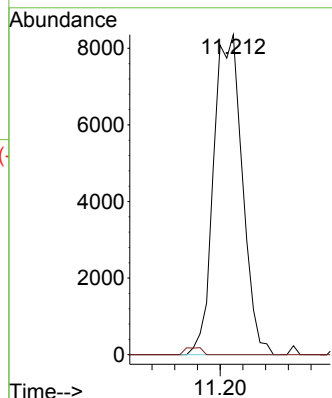
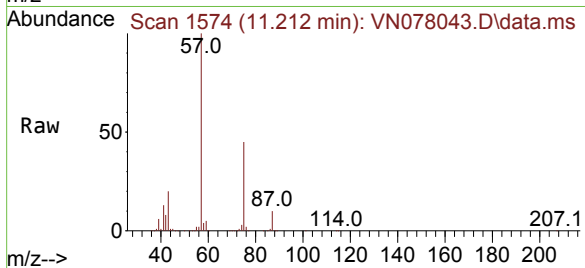
PB153198ZHE#04

Tgt Ion: 76 Resp: 14648

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 57.467 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078043.D

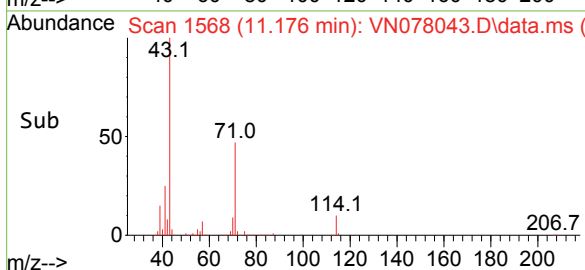
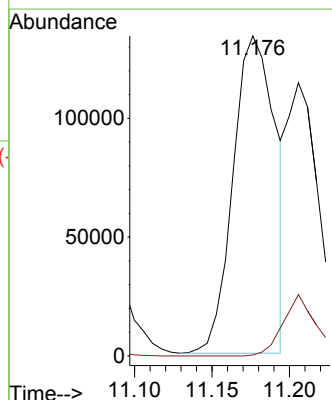
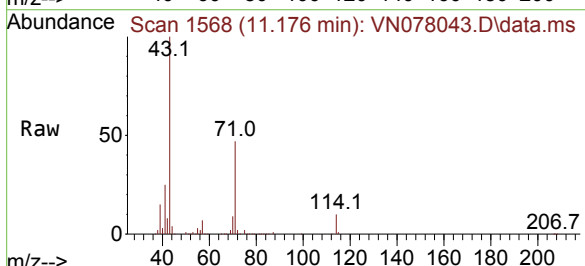
Acq: 05 Jun 2023 14:45

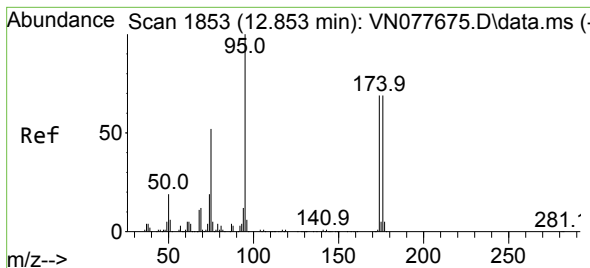
Tgt Ion: 43 Resp: 253460

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#





#62

4-Bromofluorobenzene

Concen: 41.501 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#04

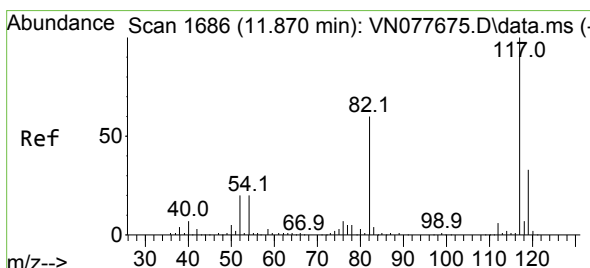
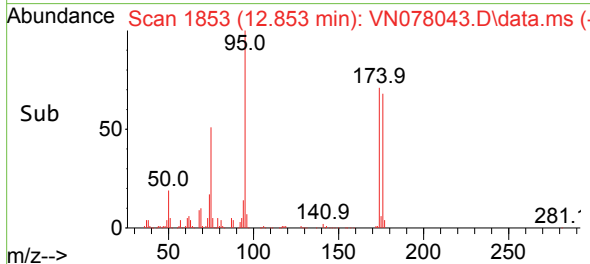
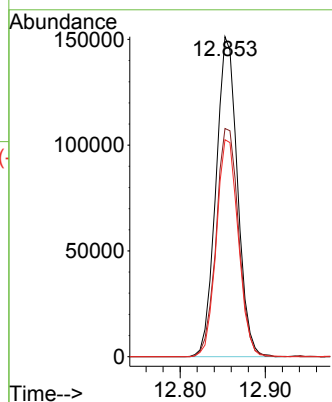
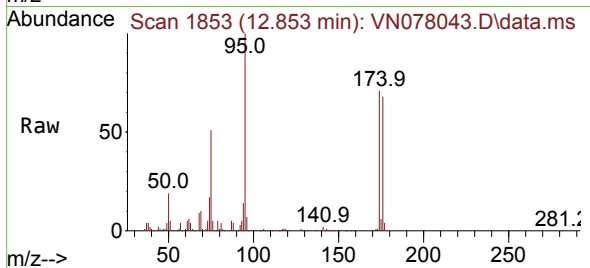
Tgt Ion: 95 Resp: 265776

Ion Ratio Lower Upper

95 100

174 74.4 0.0 143.8

176 69.1 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: VN078043.D

Acq: 05 Jun 2023 14:45

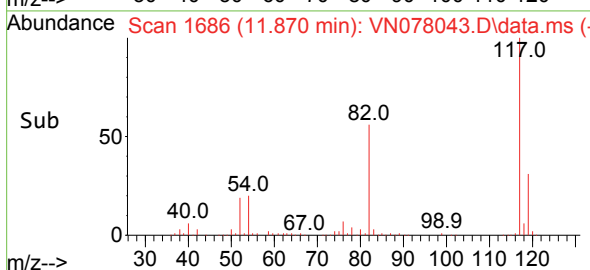
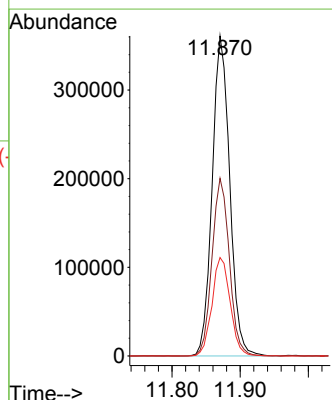
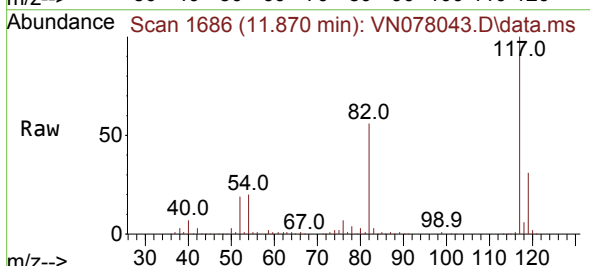
Tgt Ion: 117 Resp: 647461

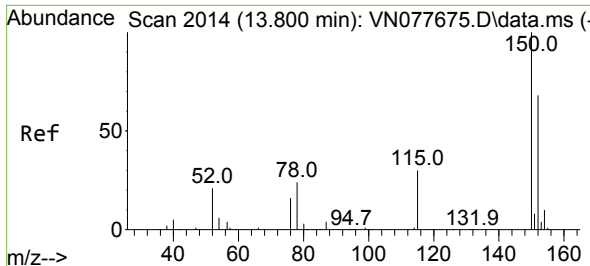
Ion Ratio Lower Upper

117 100

82 55.5 44.0 66.0

119 30.7 25.6 38.4

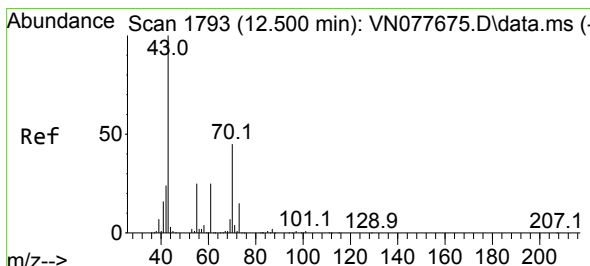
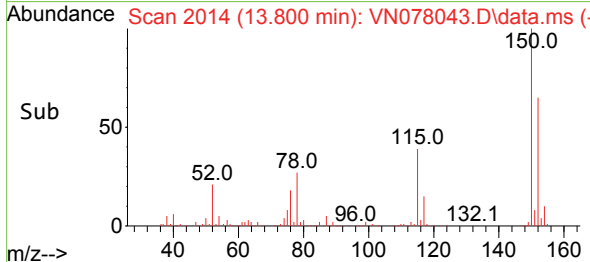
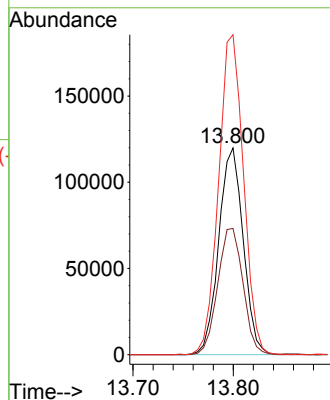
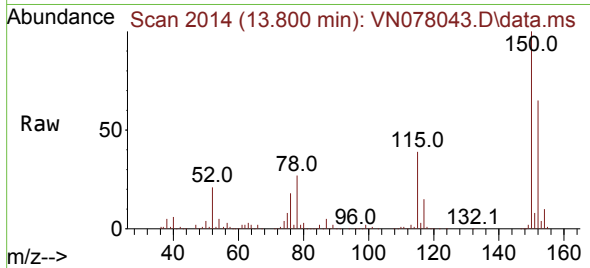




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN078043.D
Acq: 05 Jun 2023 14:45

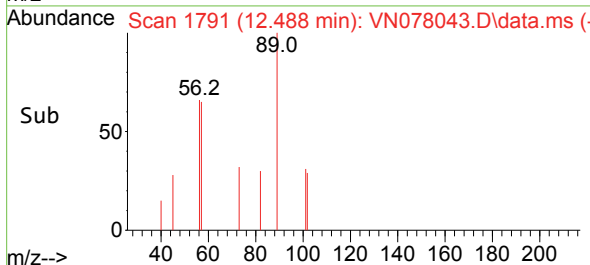
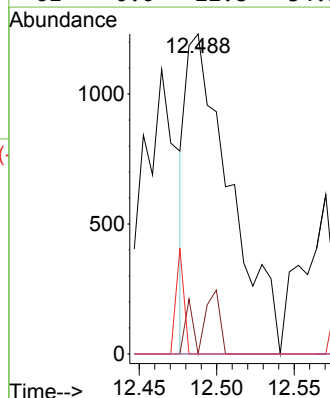
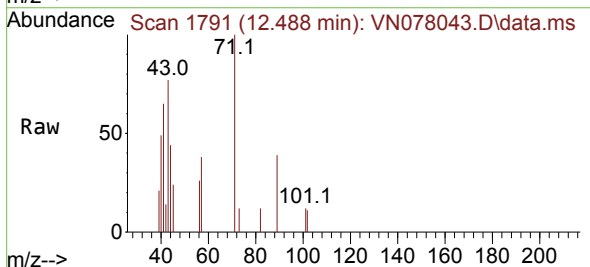
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#04

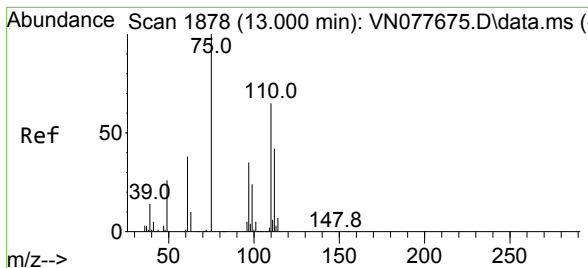
Tgt Ion:152 Resp: 203478
Ion Ratio Lower Upper
152 100
115 62.9 32.3 96.8
150 157.4 0.0 355.8



#74
N-ethyl acetate
Concen: 0.373 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN078043.D
Acq: 05 Jun 2023 14:45

Tgt Ion: 43 Resp: 2416
Ion Ratio Lower Upper
43 100
70 9.4 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 27.061 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

Instrument :

MSVOA_N

ClientSampleId :

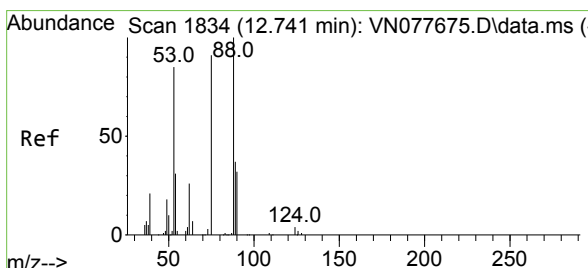
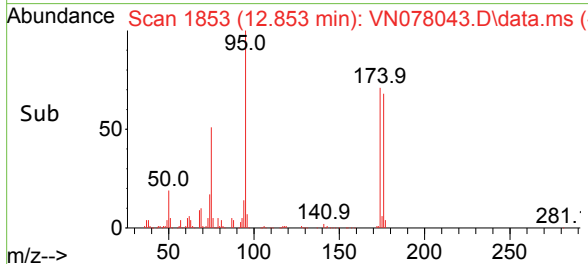
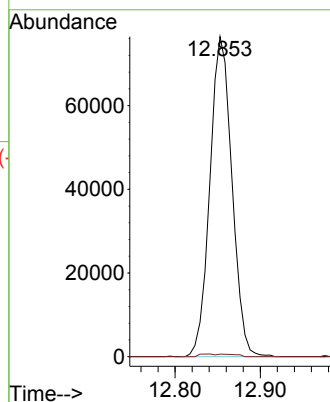
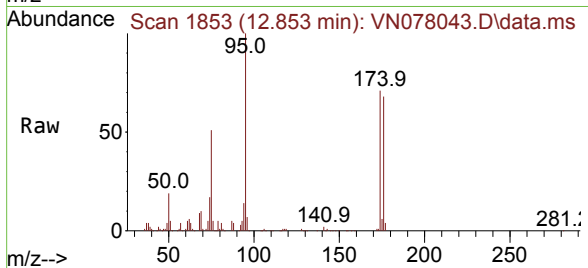
PB153198ZHE#04

Tgt Ion: 75 Resp: 137900

Ion Ratio Lower Upper

75 100

77 0.6 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.502 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078043.D

Acq: 05 Jun 2023 14:45

Tgt Ion: 75 Resp: 137900

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

