

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078049.D
 Acq On : 05 Jun 2023 17:09
 Operator : JC\MD
 Sample : PB153198ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153198ZHE#10

Quant Time: Jun 06 02:04:23 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)

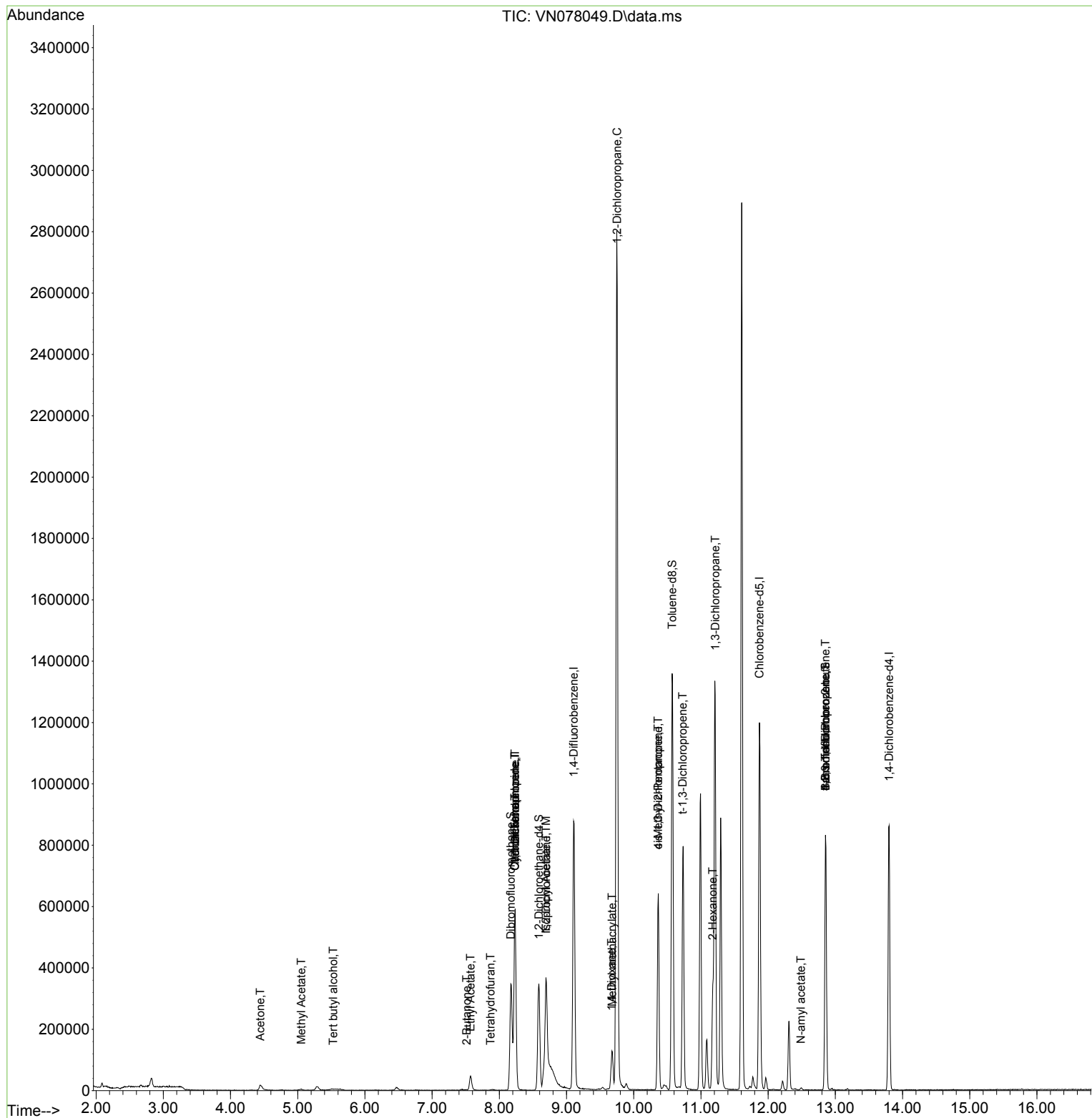
Internal Standards						
1) Pentafluorobenzene	8.236	168	428881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	791143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	740798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	244832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	292835	45.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.260%		
35) Dibromofluoromethane	8.171	113	256397	49.699	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.400%		
50) Toluene-d8	10.571	98	989320	49.822	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.640%		
62) 4-Bromofluorobenzene	12.853	95	300391	42.832	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.660%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1123	Below Cal	#	72
11) Tert butyl alcohol	5.530	59	411	0.464	ug/l #	72
13) Acrolein	4.195	56	63	Below Cal	#	16
16) Acetone	4.442	43	31337	15.522	ug/l #	88
18) Methyl Acetate	5.053	43	5991	0.707	ug/l #	80
20) Methylene Chloride	5.277	84	8711	Below Cal		93
25) 2-Butanone	7.512	43	2834	0.897	ug/l #	62
29) Tetrahydrofuran	7.871	42	632	0.306	ug/l #	34
31) Cyclohexane	8.230	56	9772	1.120	ug/l #	42
36) 1,1-Dichloropropene	8.236	75	35788	4.743	ug/l #	49
37) Ethyl Acetate	7.571	43	65870	9.794	ug/l	96
38) Carbon Tetrachloride	8.230	117	47122	6.184	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	2615	0.323	ug/l #	73
43) Isopropyl Acetate	8.694	43	604296	55.008	ug/l #	68
45) 1,2-Dichloropropane	9.753	63	3196	0.563	ug/l #	45
48) Methyl methacrylate	9.677	41	7664	1.471	ug/l #	31
49) 1,4-Dioxane	9.671	88	68	0.691	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	229308	35.116	ug/l #	41
53) t-1,3-Dichloropropene	10.730	75	2290	0.278	ug/l #	32
54) cis-1,3-Dichloropropene	10.365	75	120683	13.291	ug/l #	66
57) 1,3-Dichloropropane	11.212	76	14941	1.583	ug/l #	42
59) 2-Hexanone	11.177	43	252409	52.259	ug/l #	19
71) Bromoform	12.853	173	1408	0.381	ug/l #	1
74) N-amyl acetate	12.488	43	2891	0.371	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	157296	25.654	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	157296	82.003	ug/l #	15

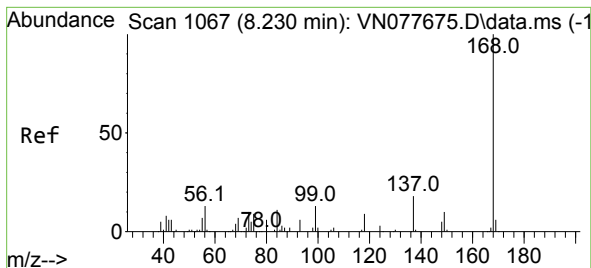
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078049.D

Acq: 05 Jun 2023 17:09

Instrument :

MSVOA_N

ClientSampleId :

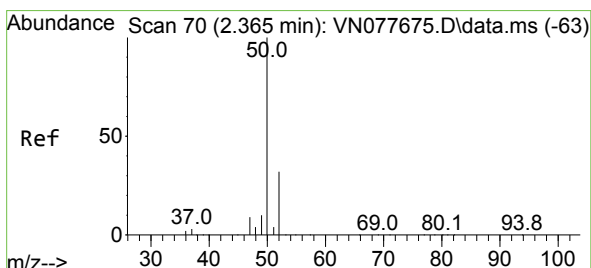
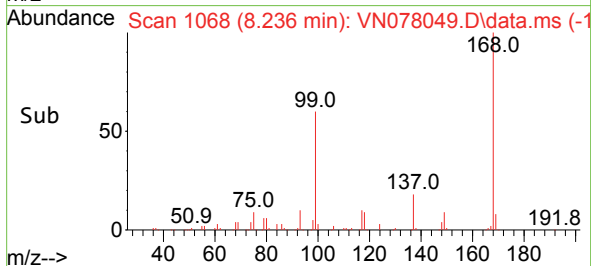
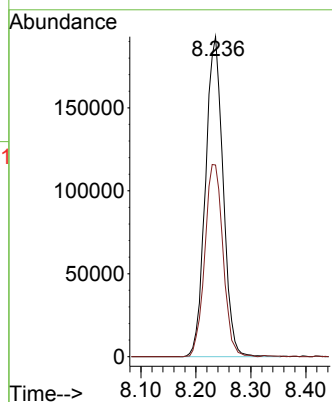
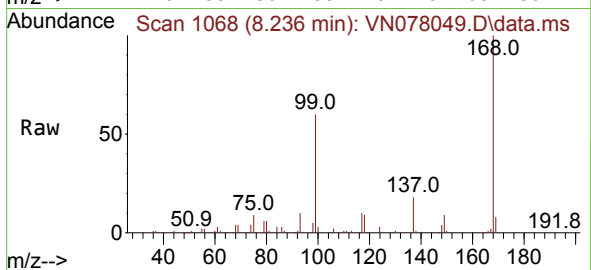
PB153198ZHE#10

Tgt Ion:168 Resp: 428881

Ion Ratio Lower Upper

168 100

99 59.9 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.012 min

Lab File: VN078049.D

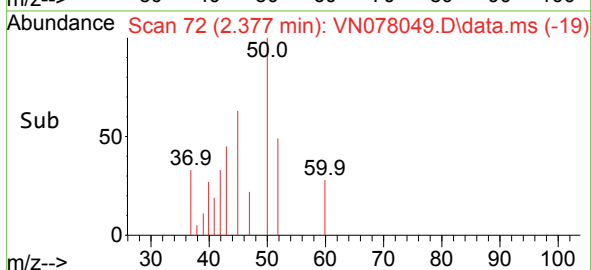
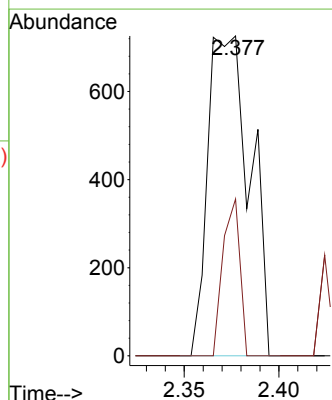
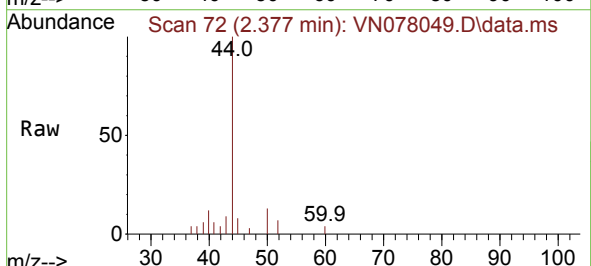
Acq: 05 Jun 2023 17:09

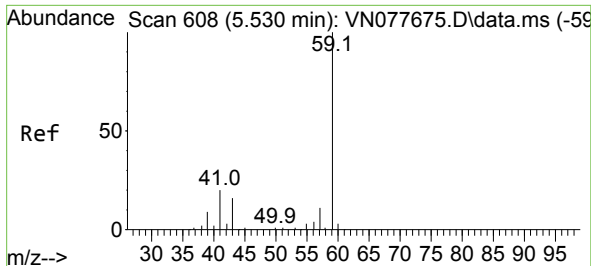
Tgt Ion: 50 Resp: 1123

Ion Ratio Lower Upper

50 100

52 49.0 26.5 39.7#

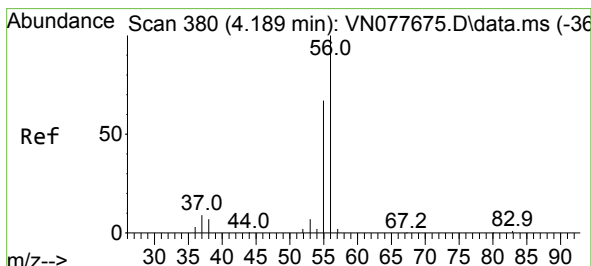
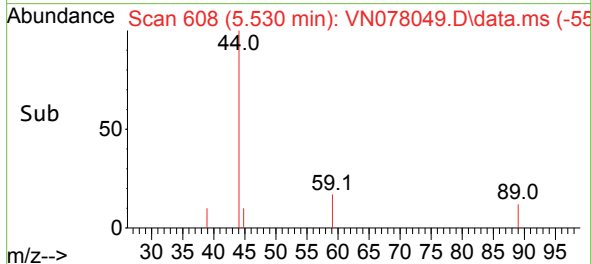
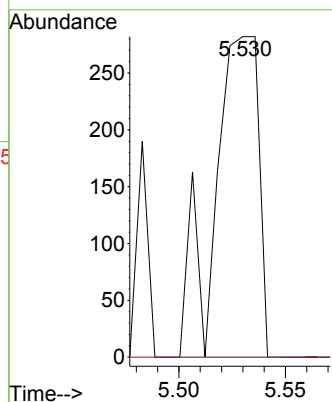
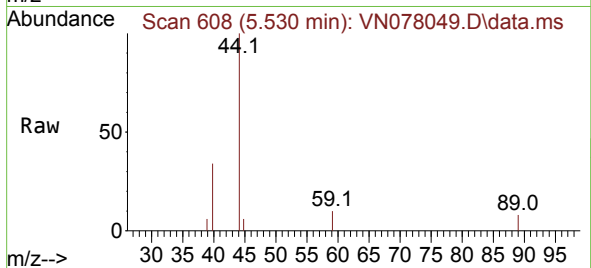




#11
Tert butyl alcohol
Concen: 0.464 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

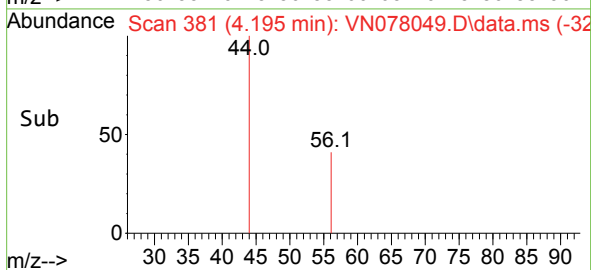
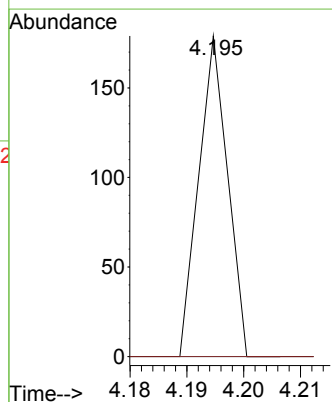
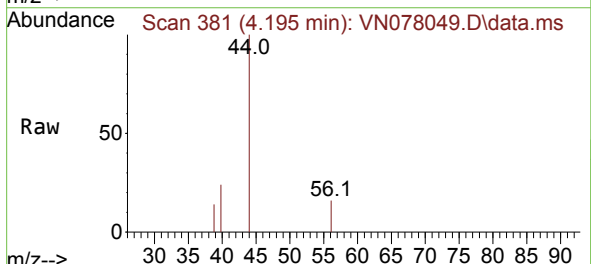
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#10

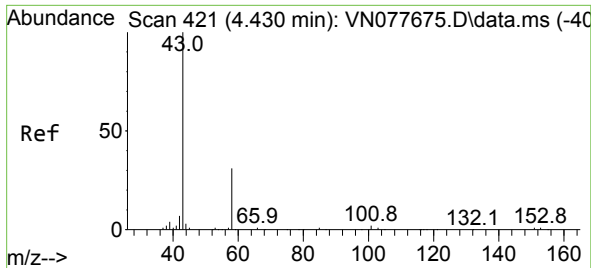
Tgt Ion: 59 Resp: 411
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

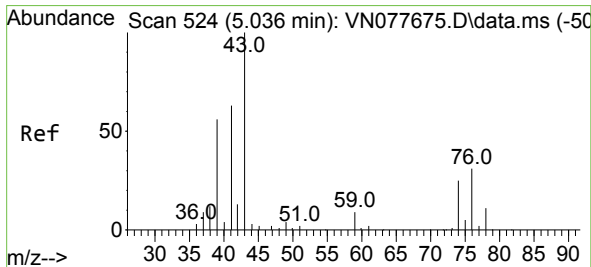
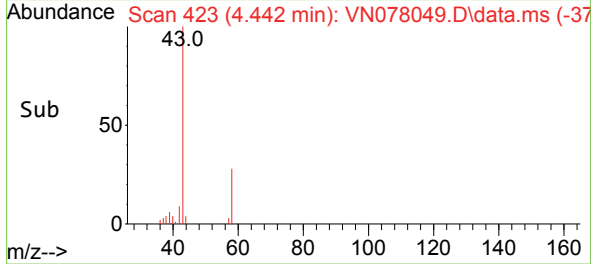
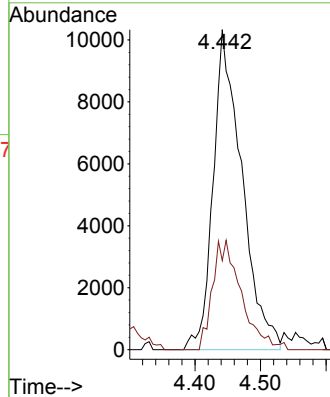
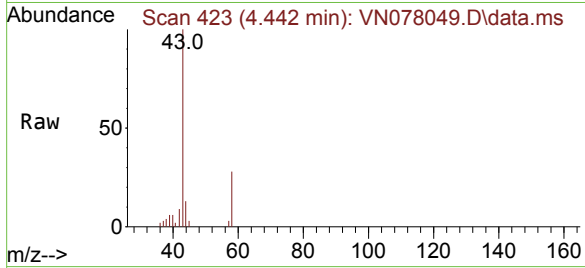




#16
Acetone
Concen: 15.522 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

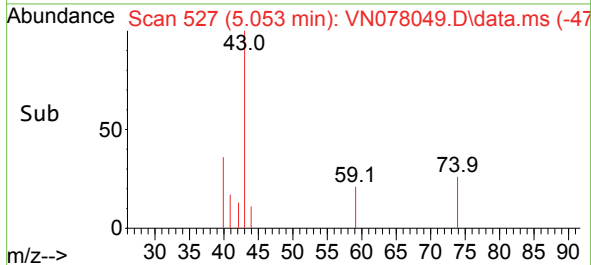
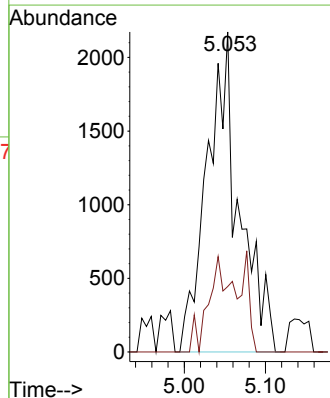
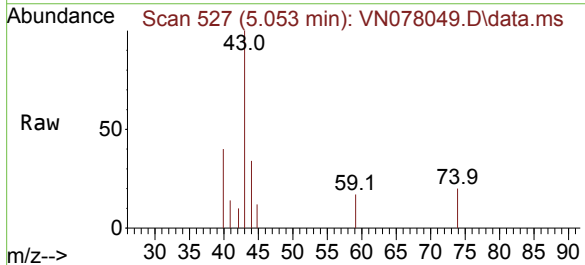
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#10

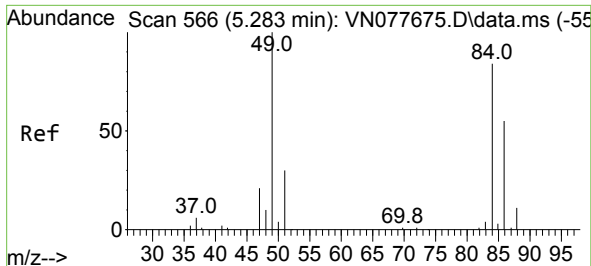
Tgt Ion: 43 Resp: 31337
Ion Ratio Lower Upper
43 100
58 27.8 28.0 42.0#



#18
Methyl Acetate
Concen: 0.707 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.017 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

Tgt Ion: 43 Resp: 5991
Ion Ratio Lower Upper
43 100
74 21.4 26.2 39.4#

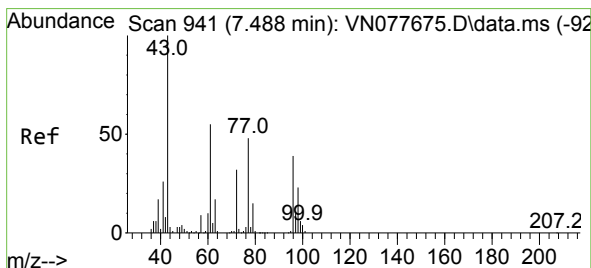
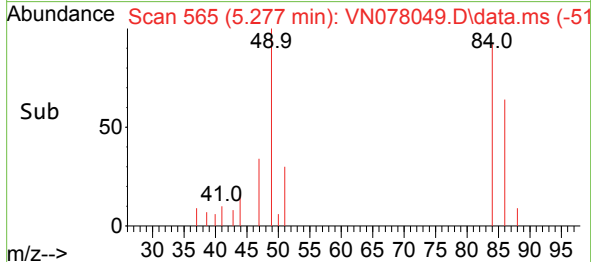
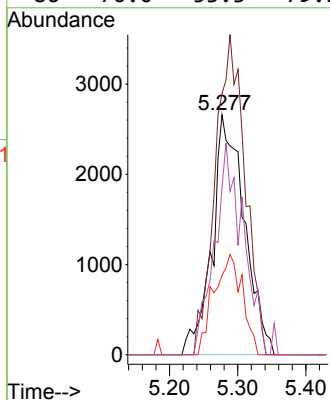
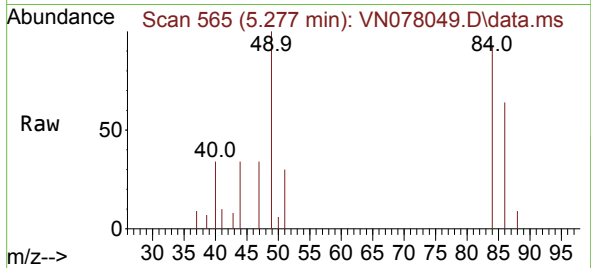




#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

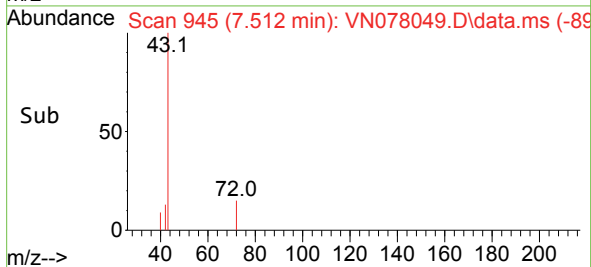
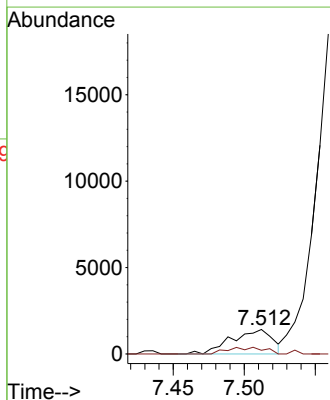
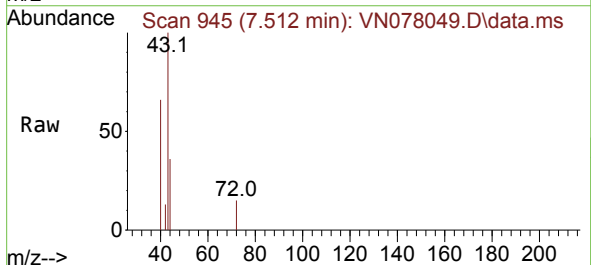
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#10

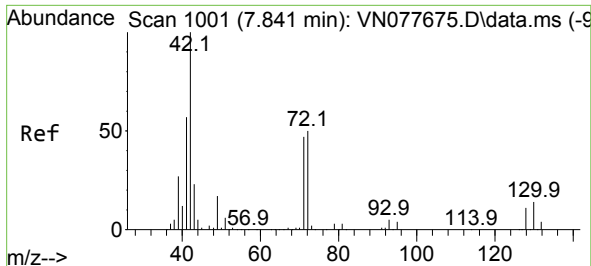
Tgt Ion: 84	Resp: 8711
Ion Ratio	Lower Upper
84 100	
49 108.9	79.7 119.5
51 33.1	25.2 37.8
86 70.0	53.3 79.9



#25
2-Butanone
Concen: 0.897 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.024 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

Tgt Ion: 43	Resp: 2834
Ion Ratio	Lower Upper
43 100	
72 14.8	30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.306 ug/l

RT: 7.871 min Scan# 1006

Delta R.T. 0.030 min

Lab File: VN078049.D

Acq: 05 Jun 2023 17:09

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#10

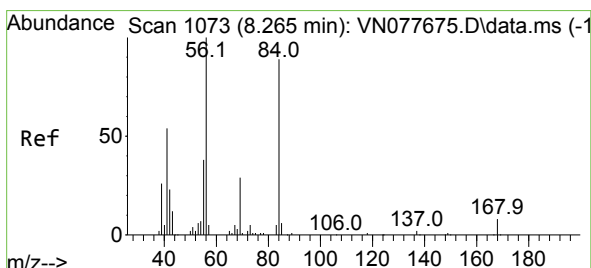
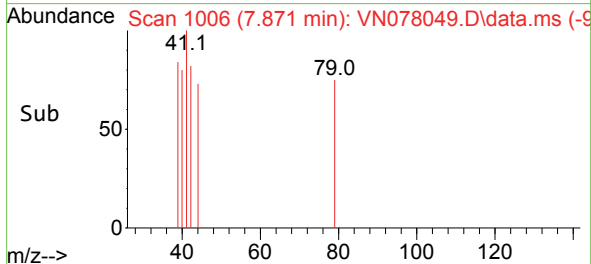
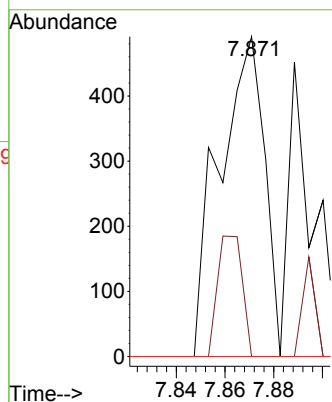
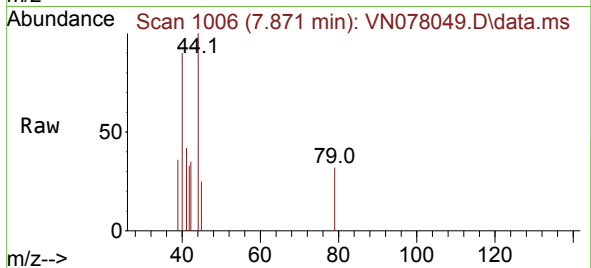
Tgt Ion: 42 Resp: 632

Ion Ratio Lower Upper

42 100

72 20.6 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.120 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078049.D

Acq: 05 Jun 2023 17:09

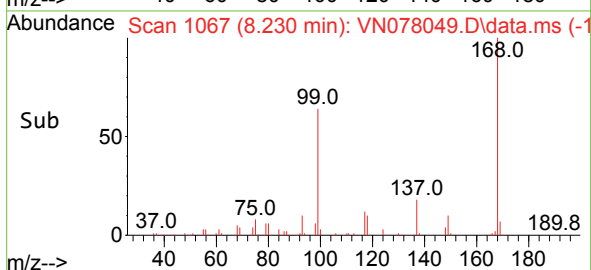
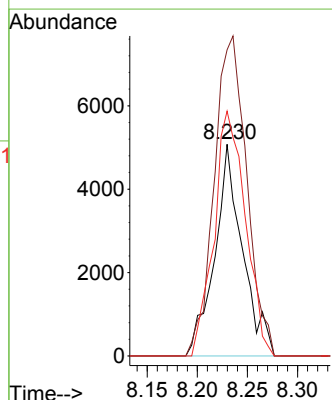
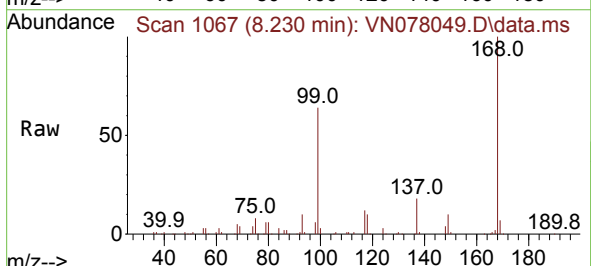
Tgt Ion: 56 Resp: 9772

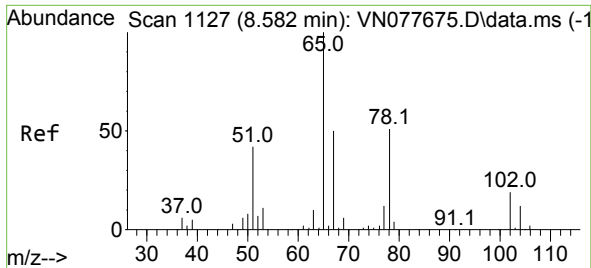
Ion Ratio Lower Upper

56 100

69 144.6 26.8 40.2#

84 115.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 45.633 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078049.D

Acq: 05 Jun 2023 17:09

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ClientSampleId :

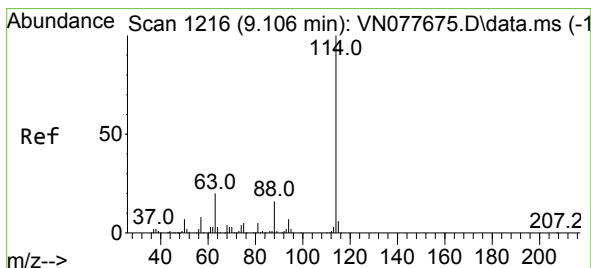
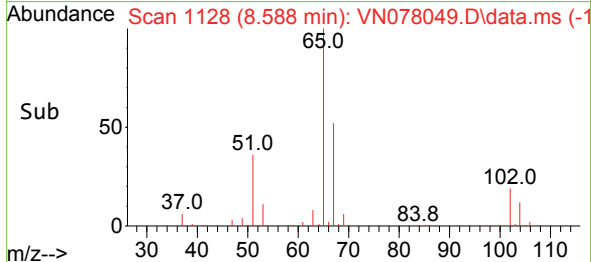
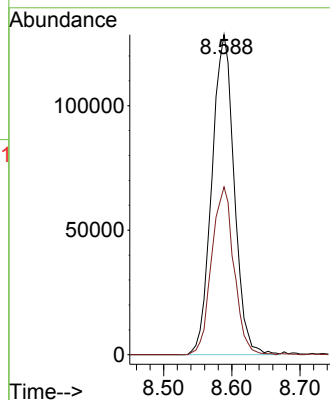
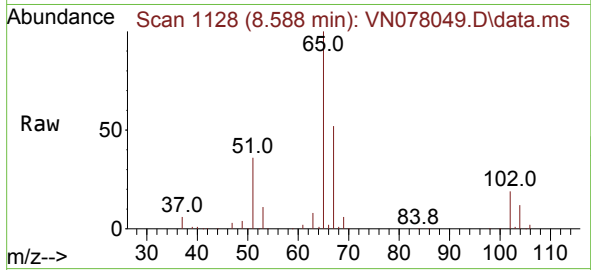
PB153198ZHE#10

Tgt Ion: 65 Resp: 292835

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078049.D

Acq: 05 Jun 2023 17:09

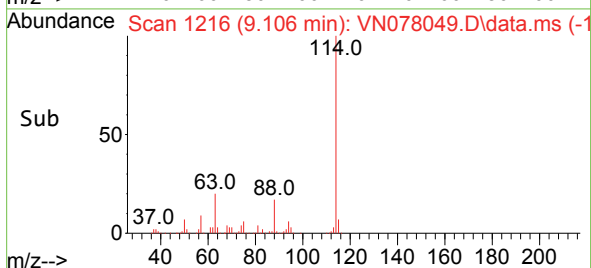
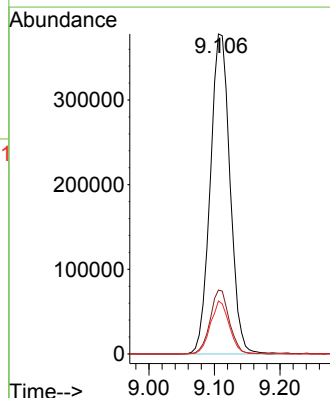
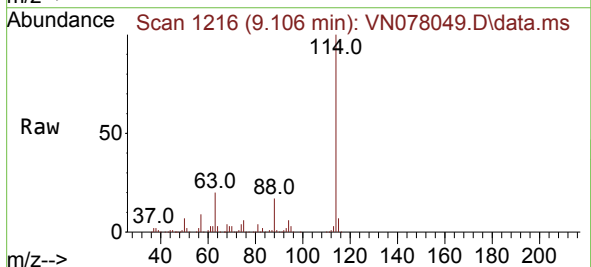
Tgt Ion:114 Resp: 791143

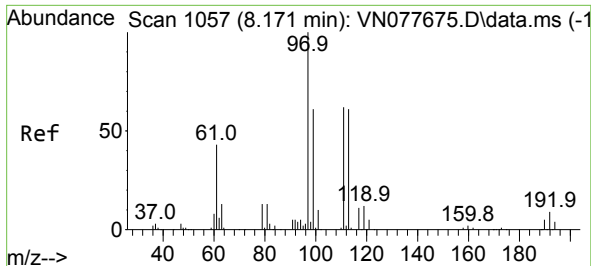
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 16.5 0.0 30.6

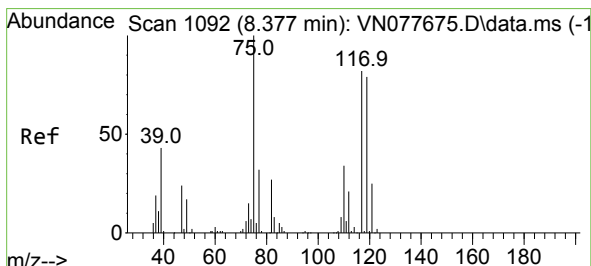
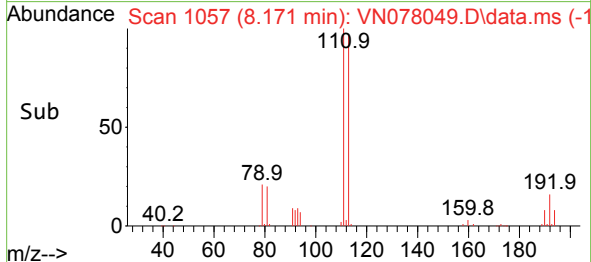
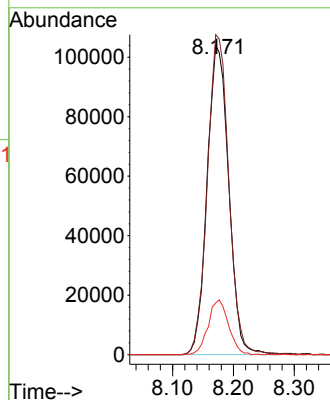
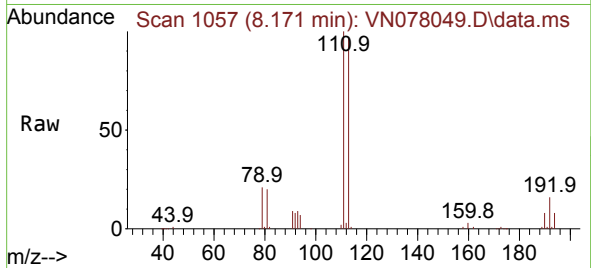




#35
Dibromofluoromethane
Concen: 49.699 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

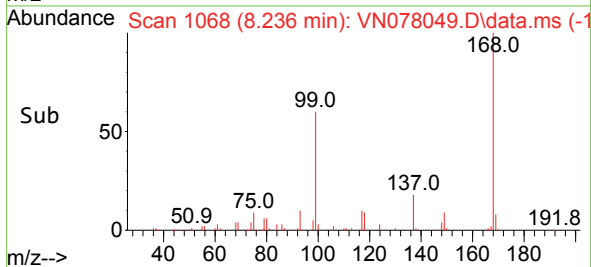
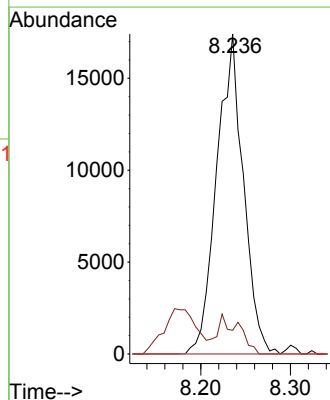
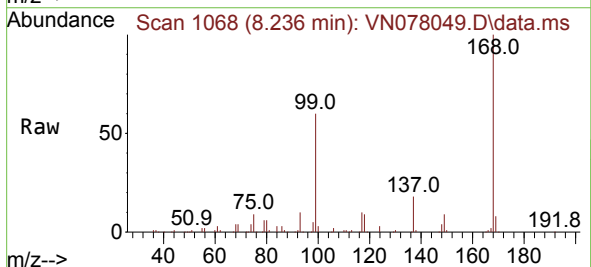
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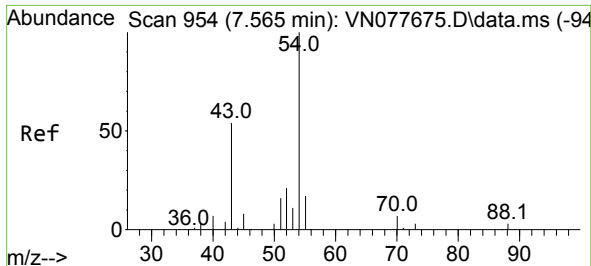
Tgt Ion:113 Resp: 256397
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 16.8 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.743 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

Tgt Ion: 75 Resp: 35788
Ion Ratio Lower Upper
75 100
110 10.3 19.1 57.3#
77 0.0 25.0 37.4#

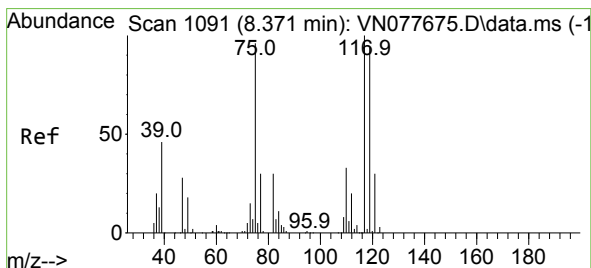
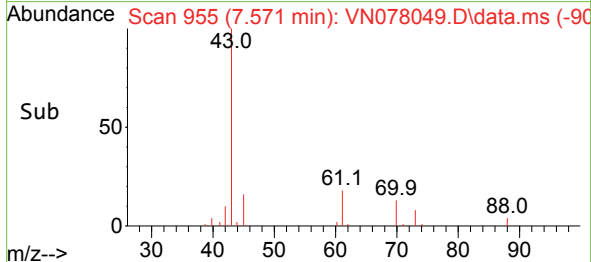
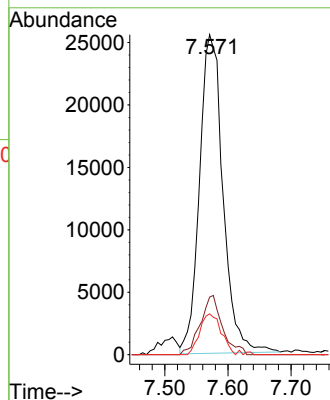
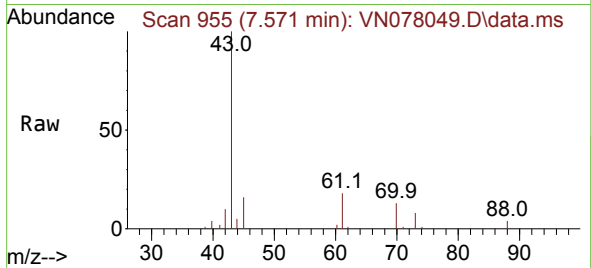




#37
Ethyl Acetate
Concen: 9.794 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

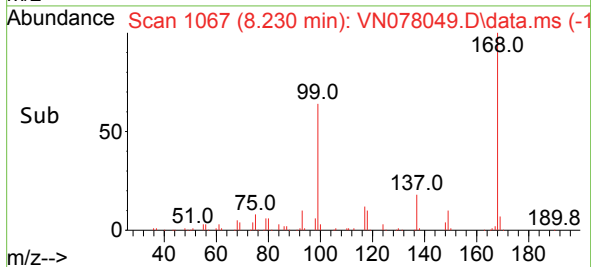
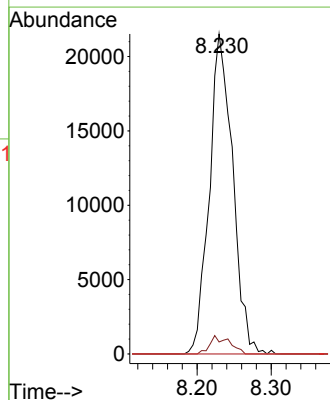
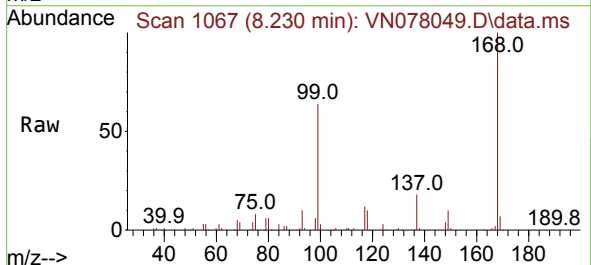
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#10

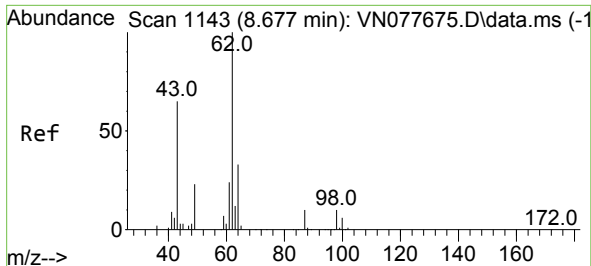
Tgt Ion: 43 Resp: 65870
Ion Ratio Lower Upper
43 100
61 17.4 13.2 19.8
70 11.7 11.3 16.9



#38
Carbon Tetrachloride
Concen: 6.184 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

Tgt Ion: 117 Resp: 47122
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.323 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN078049.D

Acq: 05 Jun 2023 17:09

Instrument :

MSVOA_N

ClientSampleId :

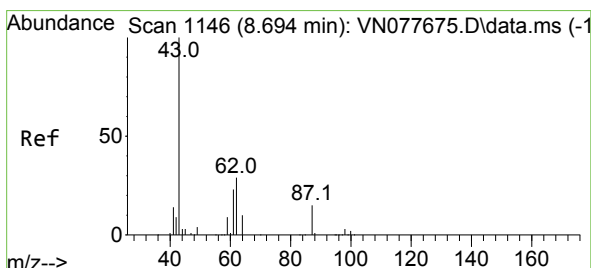
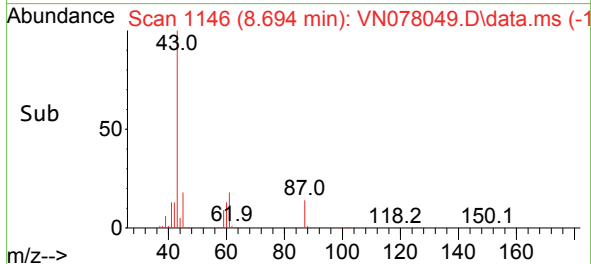
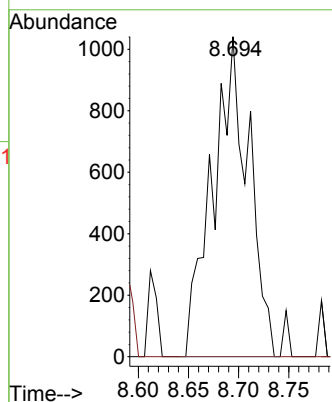
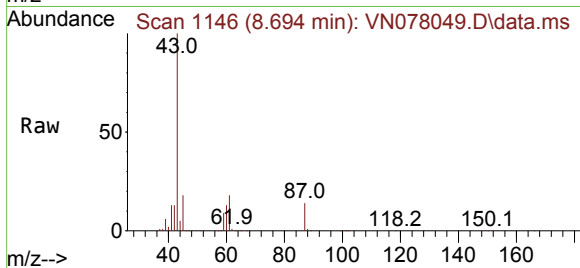
PB153198ZHE#10

Tgt Ion: 62 Resp: 2615

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 55.008 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078049.D

Acq: 05 Jun 2023 17:09

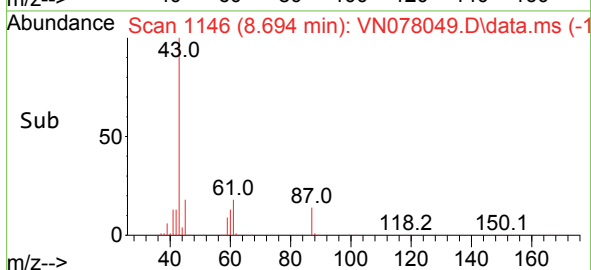
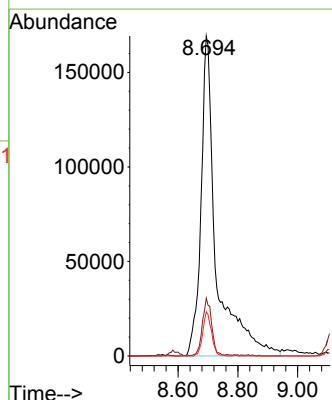
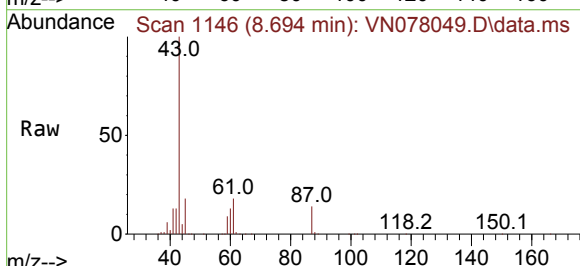
Tgt Ion: 43 Resp: 604296

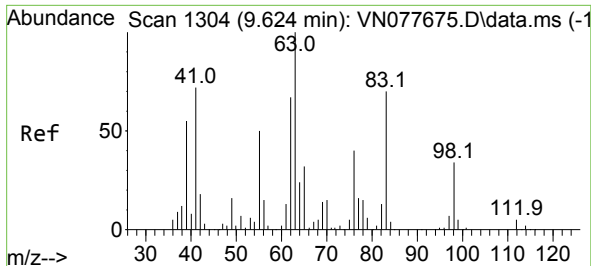
Ion Ratio Lower Upper

43 100

61 10.9 24.7 37.1#

87 7.8 14.6 21.8#

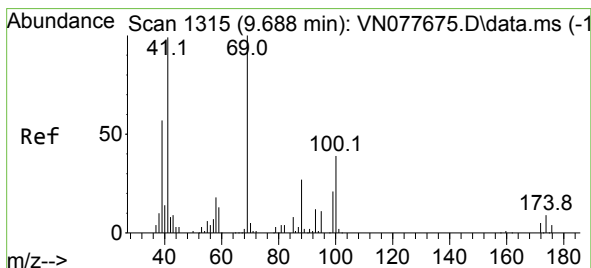
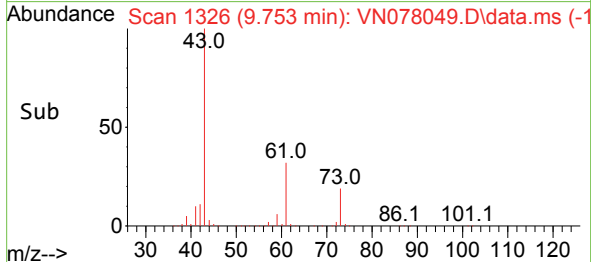
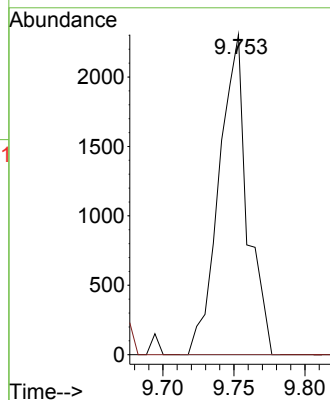
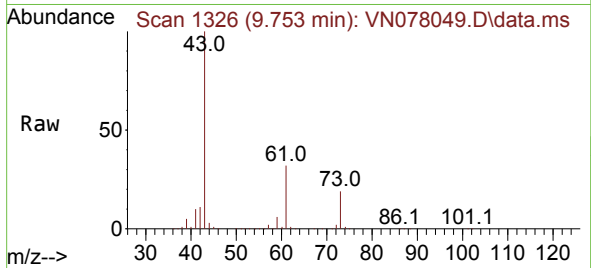




#45
1,2-Dichloropropane
Concen: 0.563 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.129 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

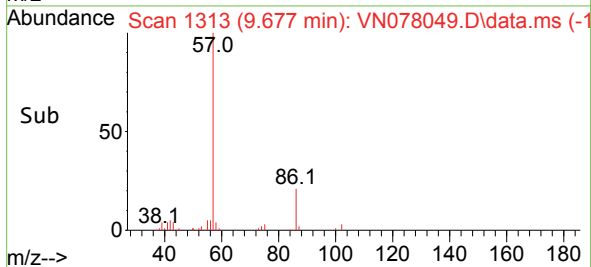
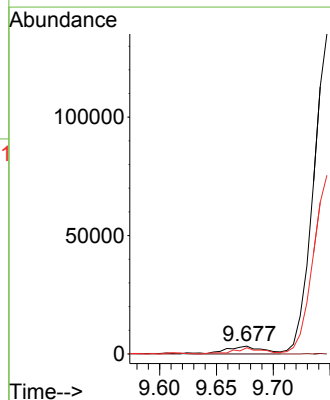
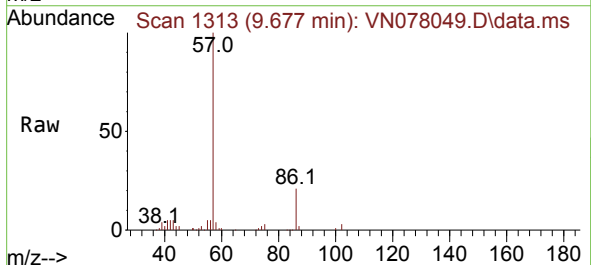
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#10

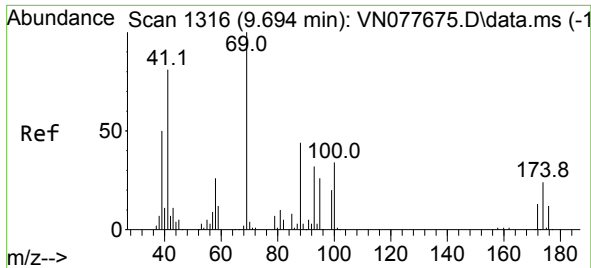
Tgt Ion: 63 Resp: 3196
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.471 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.011 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

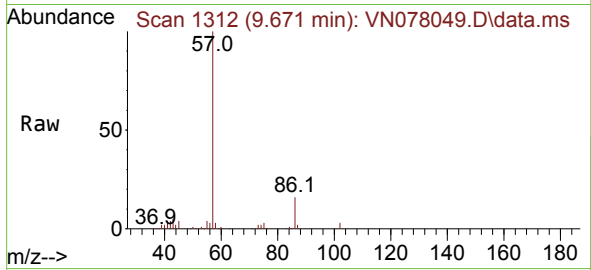
Tgt Ion: 41 Resp: 7664
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 60.7 54.6 81.8



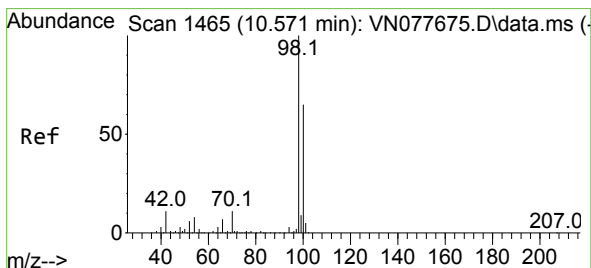
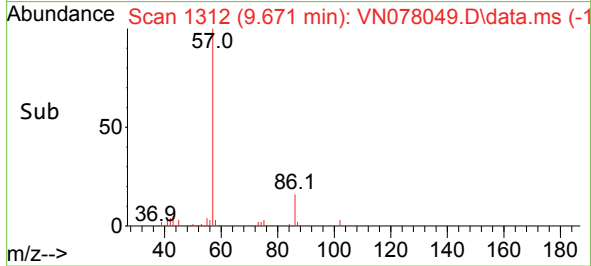
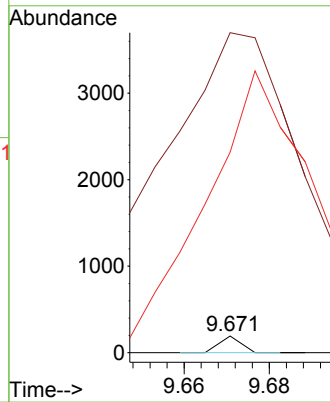


#49
1,4-Dioxane
Concen: 0.691 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#10

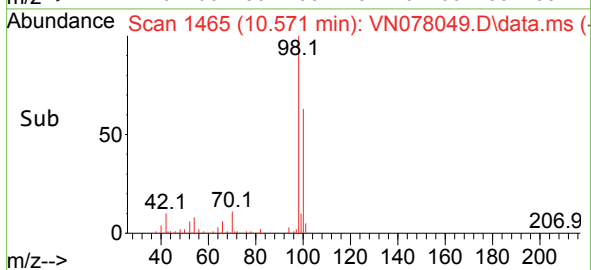
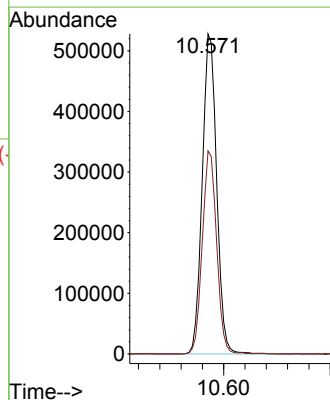
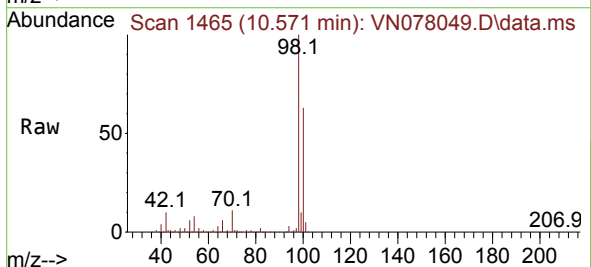


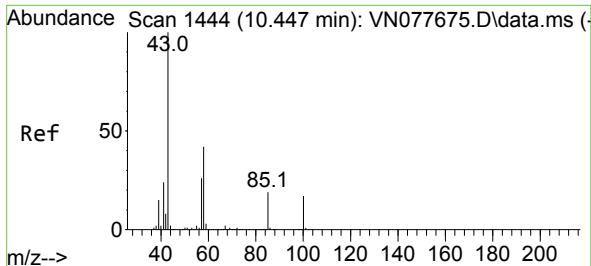
Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 9166.2 47.0 70.4#



#50
Toluene-d8
Concen: 49.822 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

Tgt Ion: 98 Resp: 989320
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0

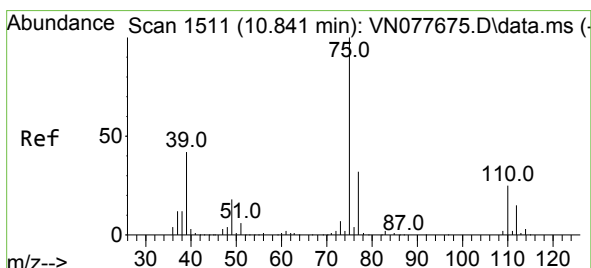
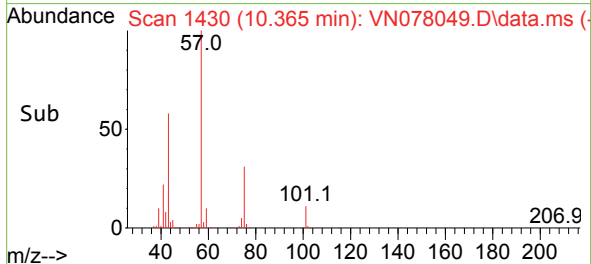
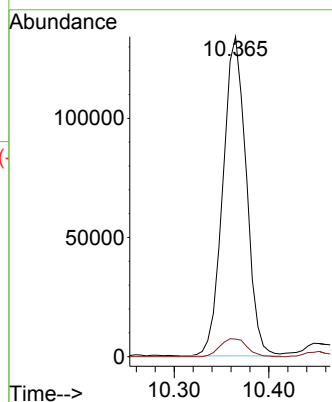
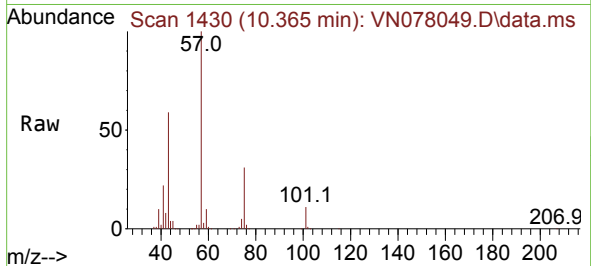




#51
4-Methyl-2-Pentanone
Concen: 35.116 ug/l
RT: 10.365 min Scan# 1444
Delta R.T. -0.082 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

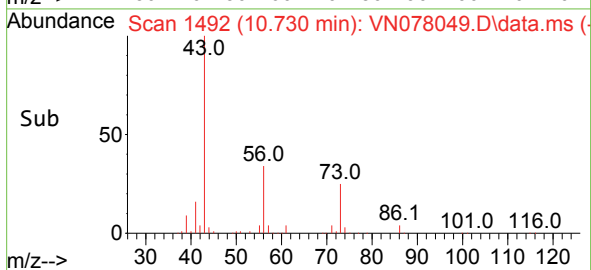
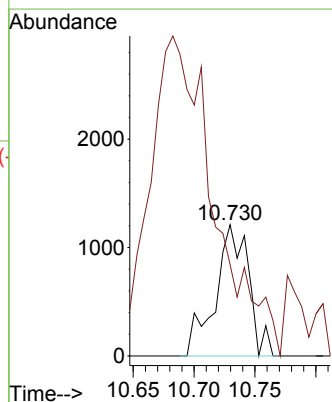
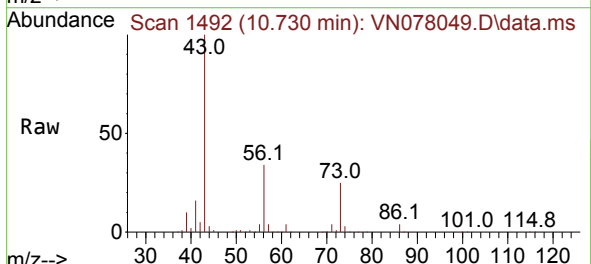
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#10

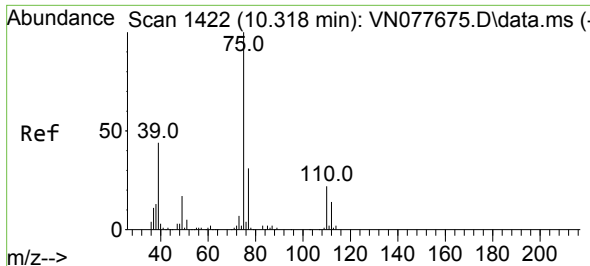
Tgt Ion: 43 Resp: 229308
Ion Ratio Lower Upper
43 100
58 6.5 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.278 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.111 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

Tgt Ion: 75 Resp: 2290
Ion Ratio Lower Upper
75 100
77 69.5 25.4 38.0#

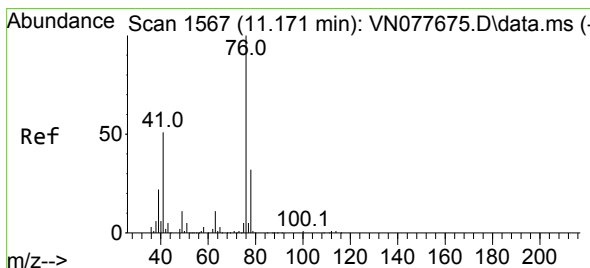
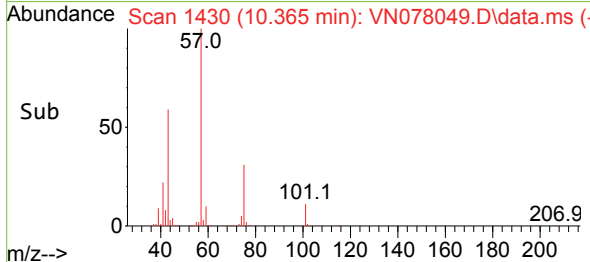
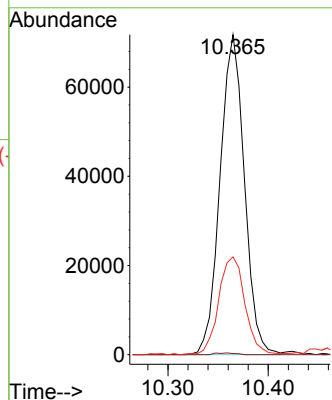
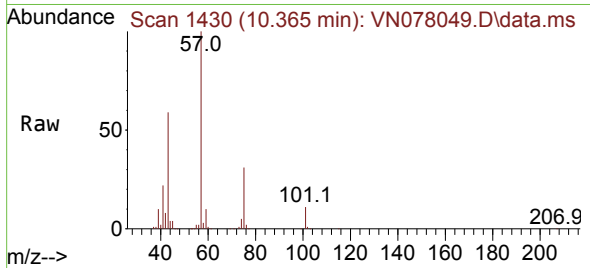




#54
cis-1,3-Dichloropropene
Concen: 13.291 ug/l
RT: 10.365 min Scan# 1422
Delta R.T. 0.047 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

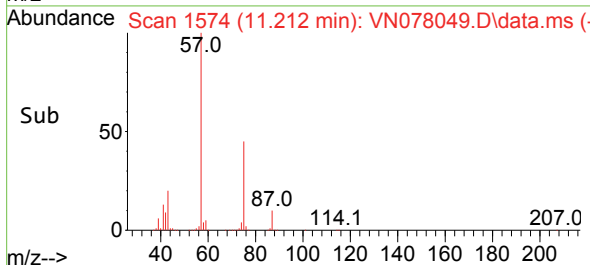
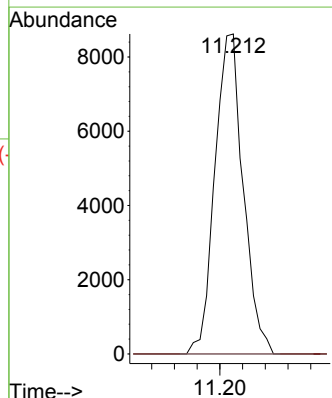
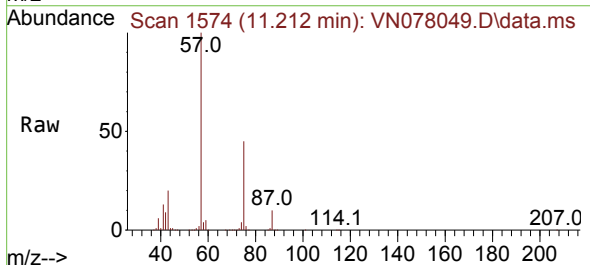
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#10

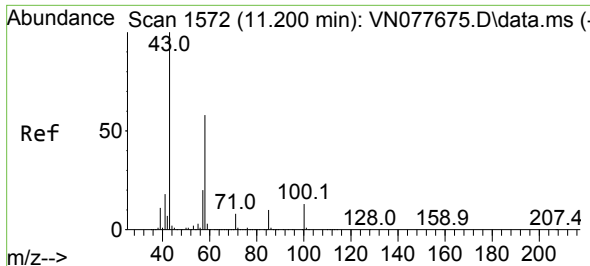
Tgt Ion: 75 Resp: 120683
Ion Ratio Lower Upper
75 100
77 0.3 26.1 39.1#
39 30.6 31.6 47.4#



#57
1,3-Dichloropropane
Concen: 1.583 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.041 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

Tgt Ion: 76 Resp: 14941
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

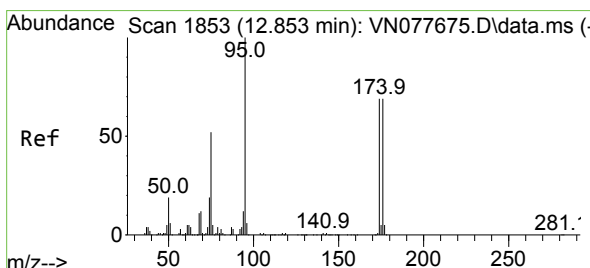
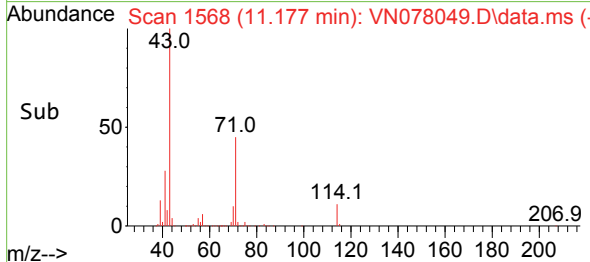
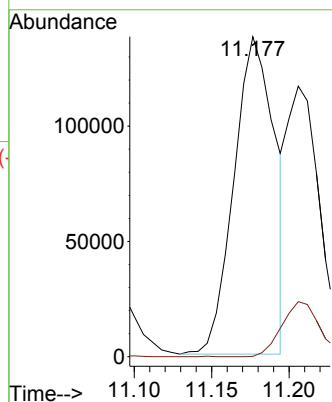
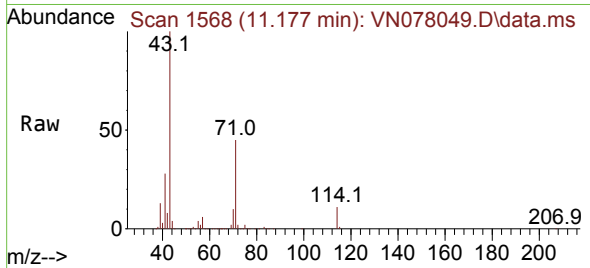




#59
2-Hexanone
Concen: 52.259 ug/l
RT: 11.177 min Scan# 11177
Delta R.T. -0.023 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

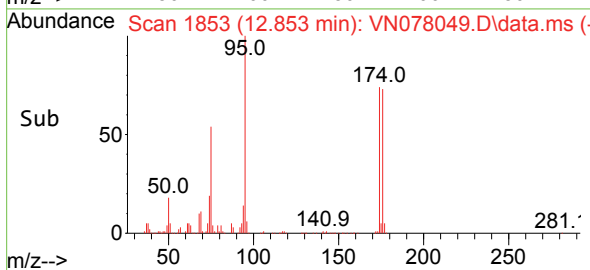
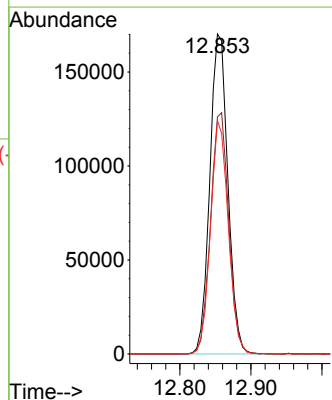
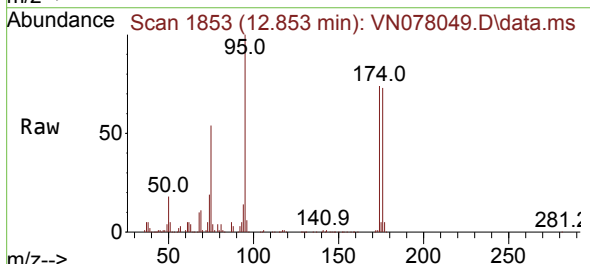
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#10

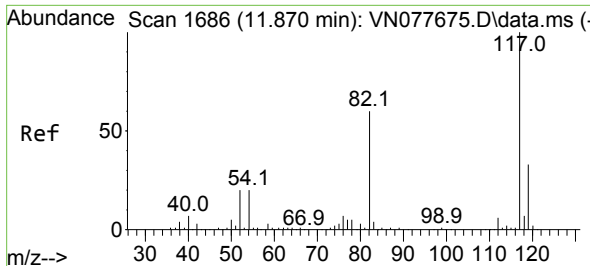
Tgt Ion: 43 Resp: 252409
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 42.832 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

Tgt Ion: 95 Resp: 300391
Ion Ratio Lower Upper
95 100
174 75.9 0.0 143.8
176 71.5 0.0 135.8

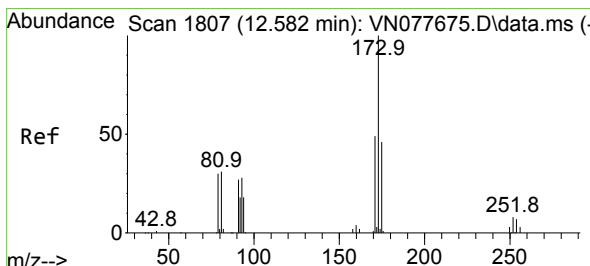
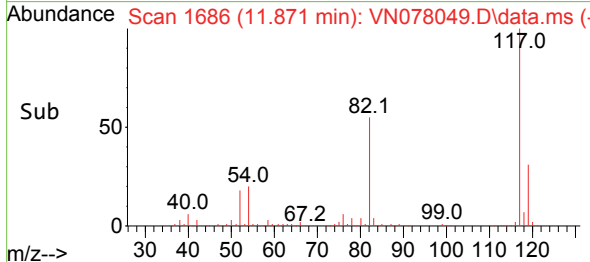
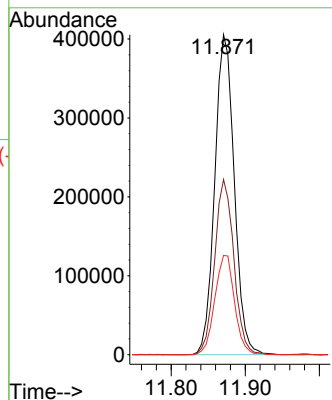
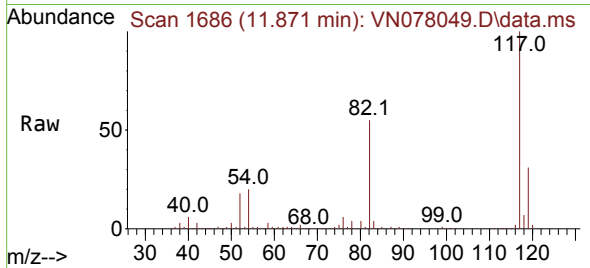




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

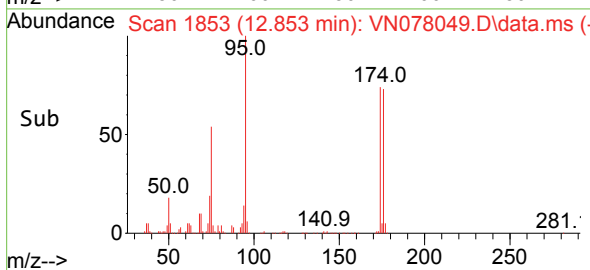
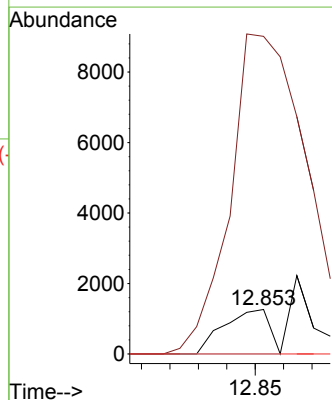
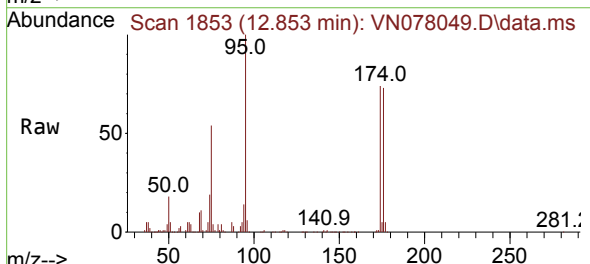
Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#10

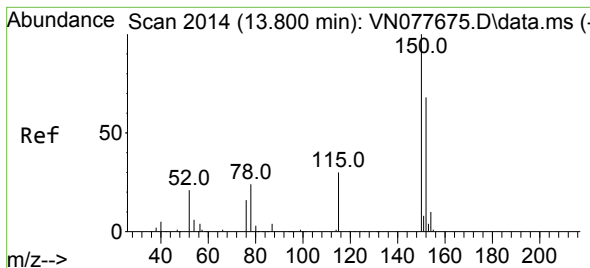
Tgt Ion:117 Resp: 740798
Ion Ratio Lower Upper
117 100
82 54.7 44.0 66.0
119 31.0 25.6 38.4



#71
Bromoform
Concen: 0.381 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

Tgt Ion:173 Resp: 1408
Ion Ratio Lower Upper
173 100
175 840.5 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: VN078049.D

Acq: 05 Jun 2023 17:09

Instrument :

MSVOA_N

ClientSampleId :

PB153198ZHE#10

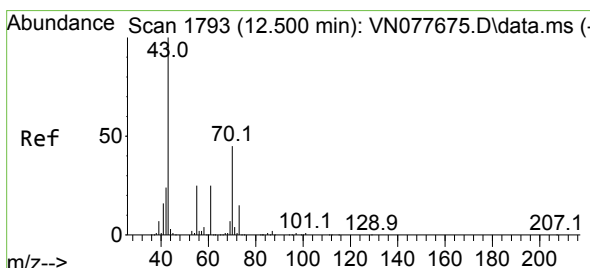
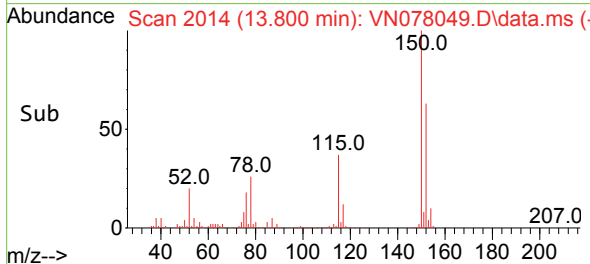
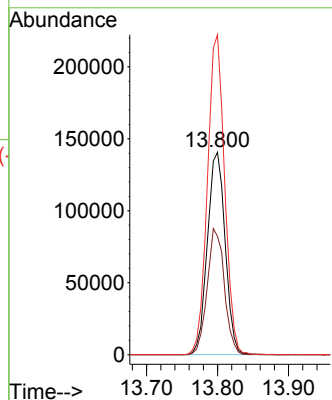
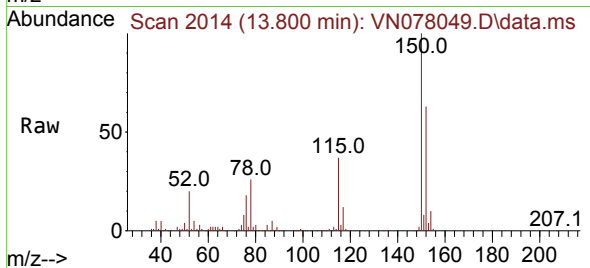
Tgt Ion:152 Resp: 244832

Ion Ratio Lower Upper

152 100

115 60.2 32.3 96.8

150 152.9 0.0 355.8



#74

N-ethyl acetate

Concen: 0.371 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.012 min

Lab File: VN078049.D

Acq: 05 Jun 2023 17:09

Tgt Ion: 43 Resp: 2891

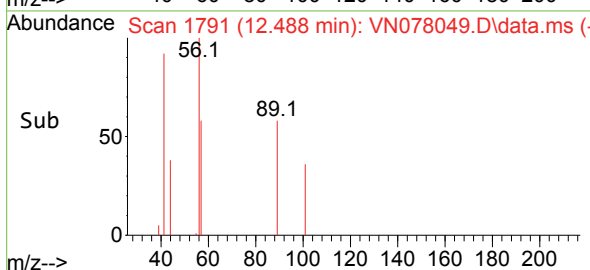
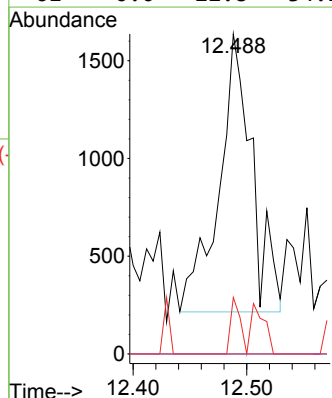
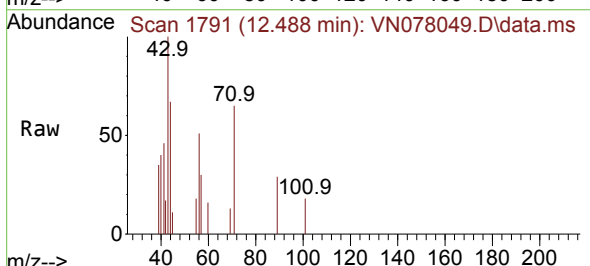
Ion Ratio Lower Upper

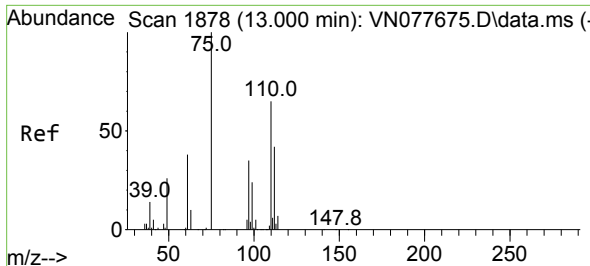
43 100

70 0.0 43.4 65.2#

55 5.8 21.4 32.0#

61 0.0 22.8 34.2#

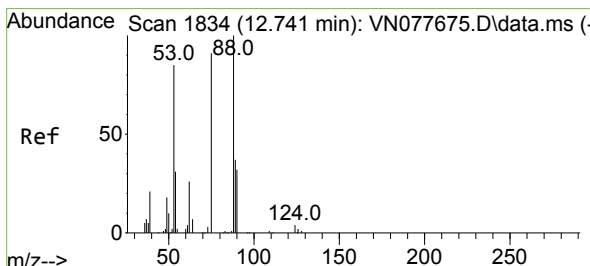
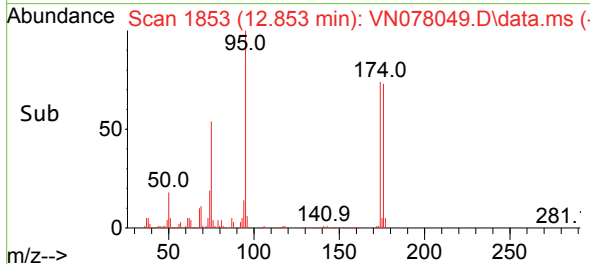
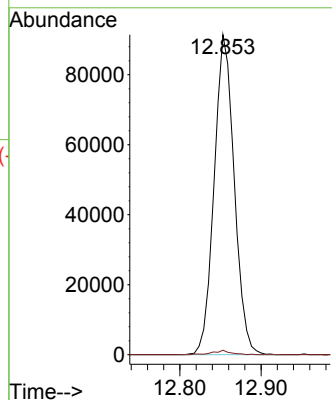
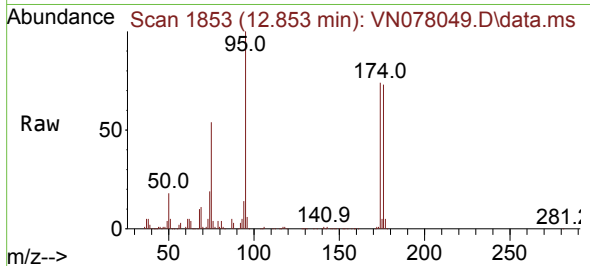




#76
1,2,3-Trichloropropane
Concen: 25.654 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :
PB153198ZHE#10

Tgt Ion: 75 Resp: 157296
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.003 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078049.D
Acq: 05 Jun 2023 17:09

Tgt Ion: 75 Resp: 157296
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

