

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031423\
 Data File : VN076987.D
 Acq On : 14 Mar 2023 17:09
 Operator : JC\MD
 Sample : PB151382ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#06

Quant Time: Mar 15 04:26:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

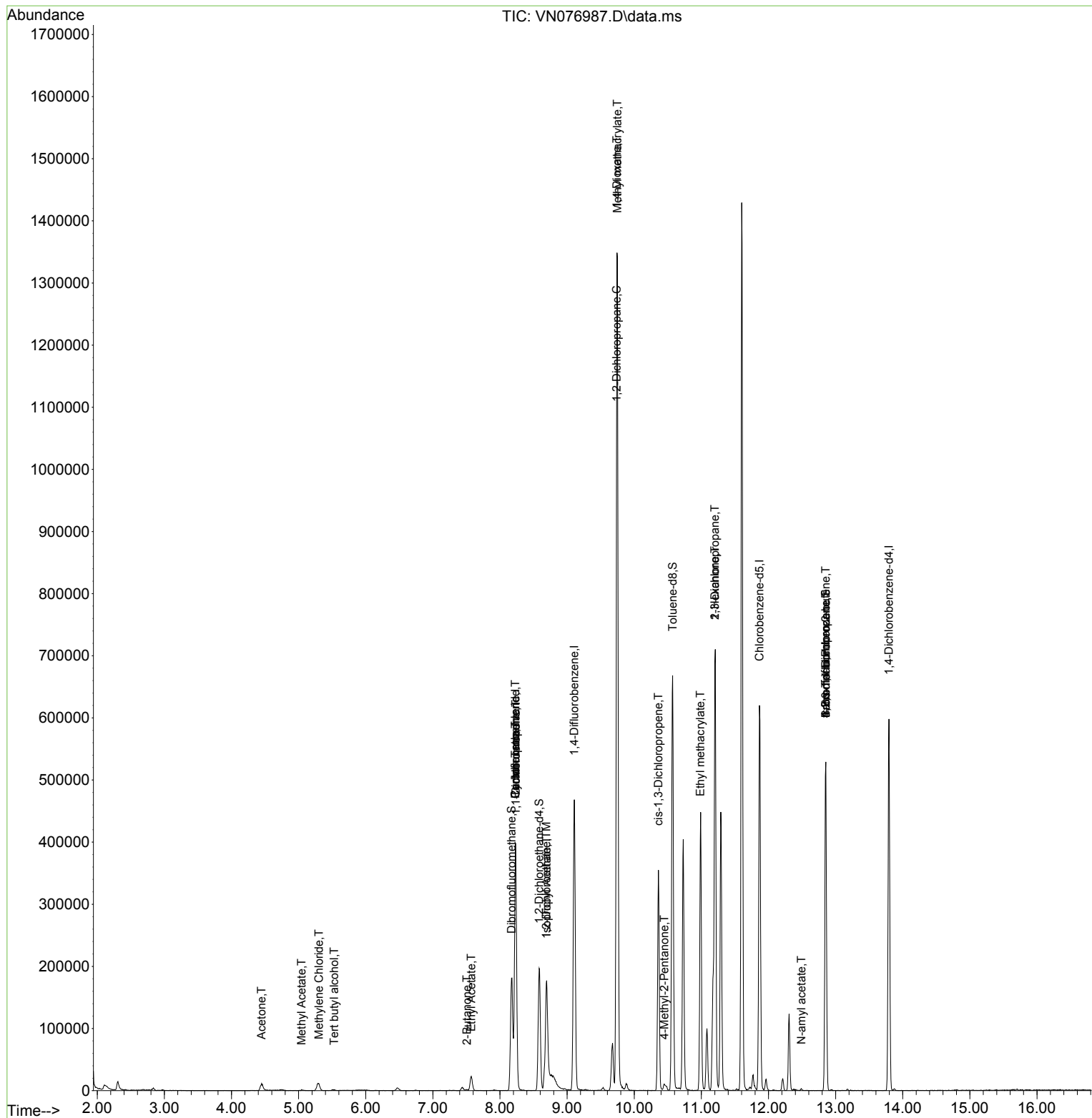
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	265182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	386905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	341865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	153829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	194818	49.231	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.460%		
35) Dibromofluoromethane	8.172	113	124295	48.203	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.400%		
50) Toluene-d8	10.572	98	450272	47.380	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.760%		
62) 4-Bromofluorobenzene	12.854	95	174293	50.141	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.280%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.531	59	957	1.738	ug/l #	72
16) Acetone	4.448	43	20708	15.101	ug/l	95
18) Methyl Acetate	5.043	43	2582	0.511	ug/l #	42
20) Methylene Chloride	5.301	84	10357	2.937	ug/l	94
25) 2-Butanone	7.507	43	2913	1.494	ug/l #	66
31) Cyclohexane	8.231	56	5863	1.033	ug/l #	17
36) 1,1-Dichloropropene	8.236	75	22067	5.533	ug/l #	51
37) Ethyl Acetate	7.572	43	32479	10.184	ug/l	96
38) Carbon Tetrachloride	8.231	117	32299	6.920	ug/l #	16
42) 1,2-Dichloroethane	8.689	62	1435	0.313	ug/l #	71
43) Isopropyl Acetate	8.695	43	213843	37.983	ug/l #	75
45) 1,2-Dichloropropane	9.736	63	1378	0.476	ug/l #	43
48) Methyl methacrylate	9.748	41	148045	53.668	ug/l #	31
49) 1,4-Dioxane	9.742	88	131	2.508	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	11602	3.430	ug/l #	63
54) cis-1,3-Dichloropropene	10.360	75	60716	12.941	ug/l #	69
56) Ethyl methacrylate	10.983	69	1590	0.372	ug/l #	1
57) 1,3-Dichloropropane	11.201	76	8099	1.632	ug/l #	42
59) 2-Hexanone	11.201	43	99950	40.532	ug/l #	44
71) Bromoform	12.854	173	846	0.391	ug/l #	1
74) N-amyl acetate	12.489	43	1292	0.285	ug/l #	37
76) 1,2,3-Trichloropropane	12.854	75	109454	29.348	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	109454	95.866	ug/l #	15

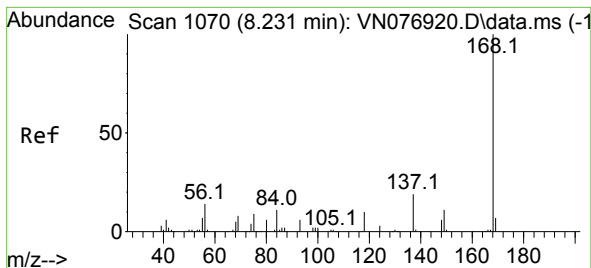
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076987.D

Acq: 14 Mar 2023 17:09

Instrument :

MSVOA_N

ClientSampleId :

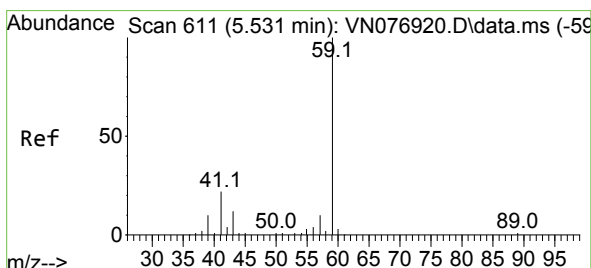
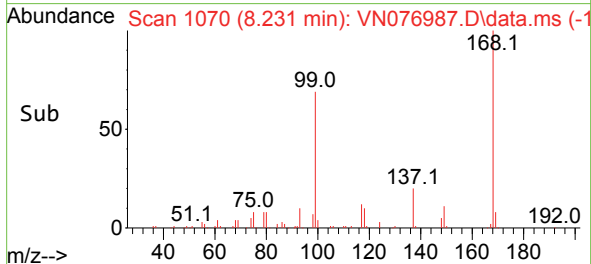
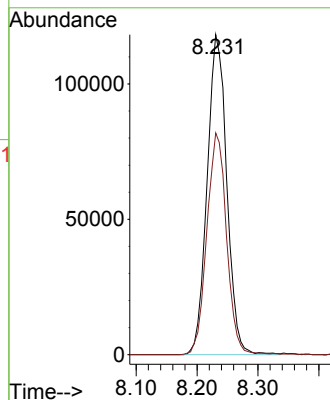
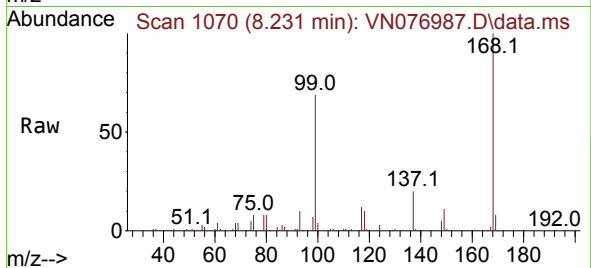
PB151382ZHE#06

Tgt Ion:168 Resp: 265182

Ion Ratio Lower Upper

168 100

99 69.3 48.6 73.0



#11

Tert butyl alcohol

Concen: 1.738 ug/l

RT: 5.531 min Scan# 611

Delta R.T. -0.000 min

Lab File: VN076987.D

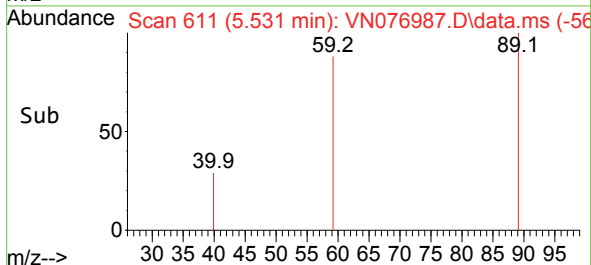
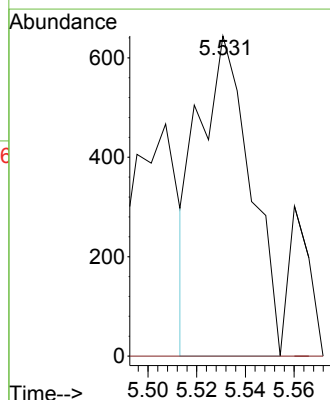
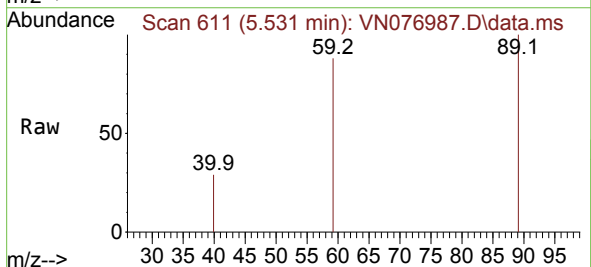
Acq: 14 Mar 2023 17:09

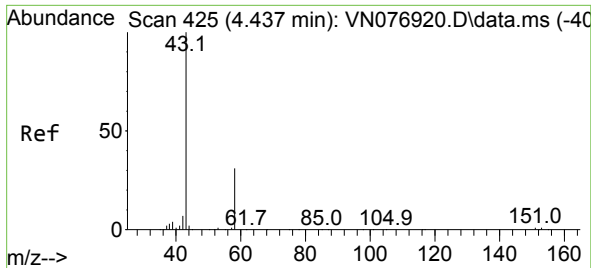
Tgt Ion: 59 Resp: 957

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

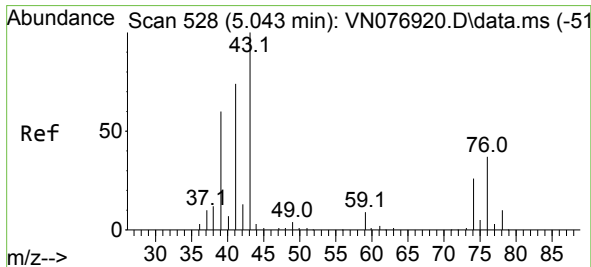
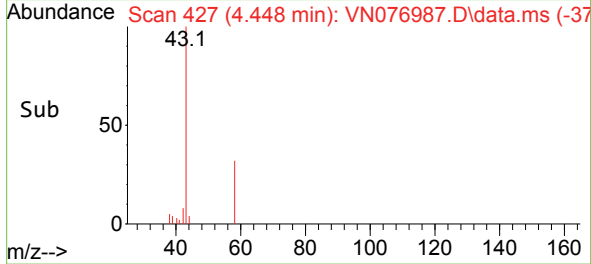
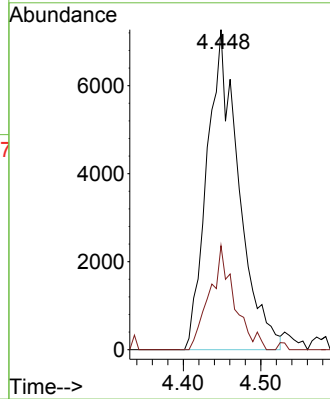
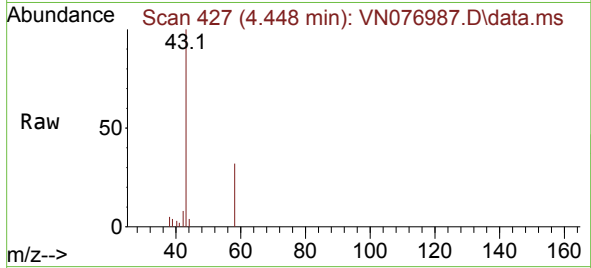




#16
Acetone
Concen: 15.101 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

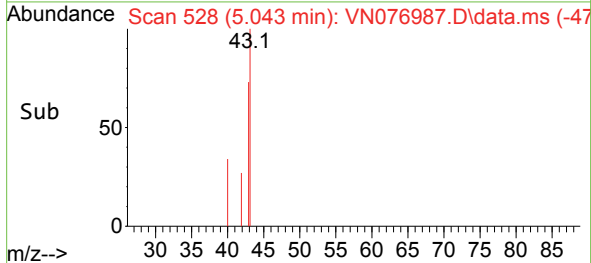
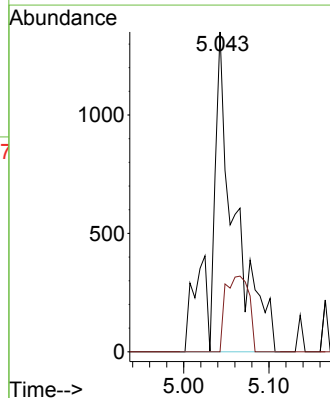
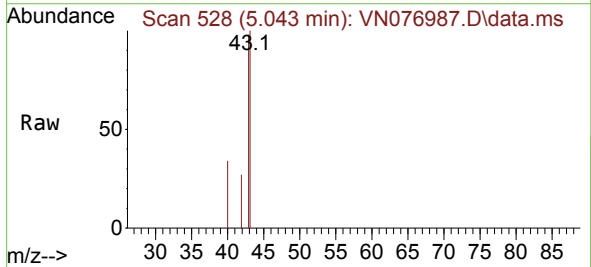
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#06

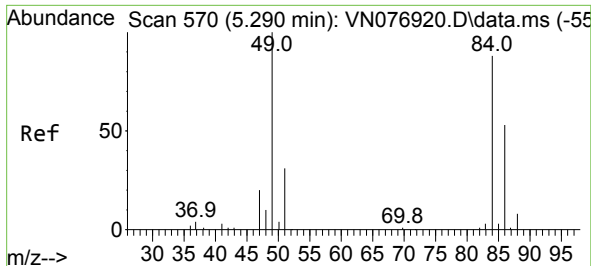
Tgt Ion: 43 Resp: 20708
Ion Ratio Lower Upper
43 100
58 32.5 28.2 42.2



#18
Methyl Acetate
Concen: 0.511 ug/l
RT: 5.043 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

Tgt Ion: 43 Resp: 2582
Ion Ratio Lower Upper
43 100
74 0.0 25.9 38.9#

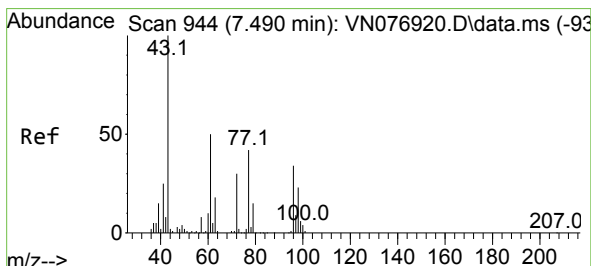
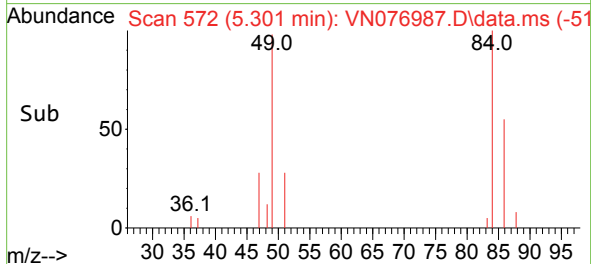
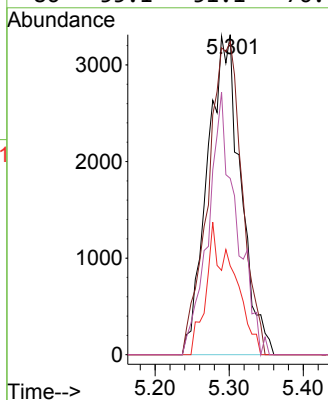
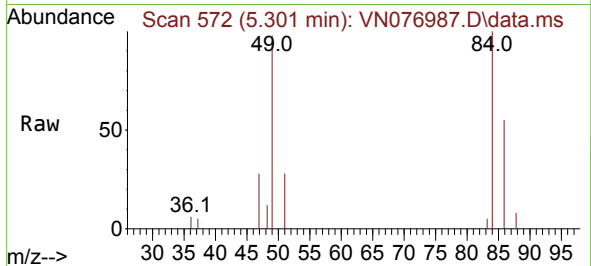




#20
Methylene Chloride
Concen: 2.937 ug/l
RT: 5.301 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

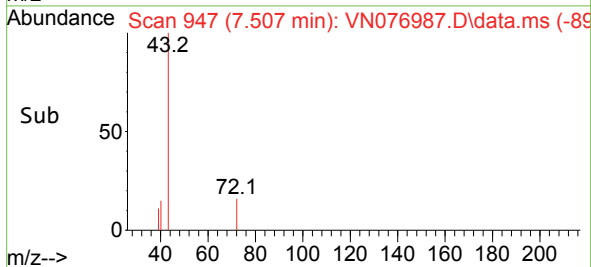
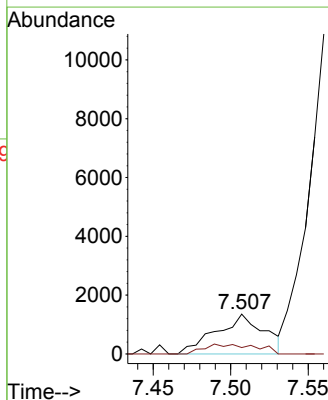
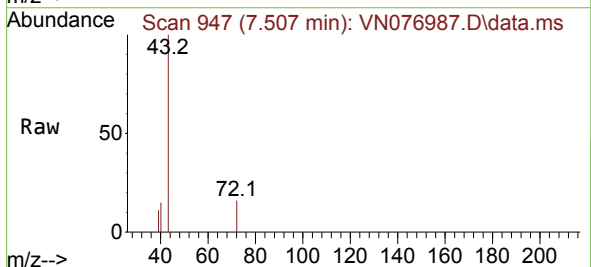
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#06

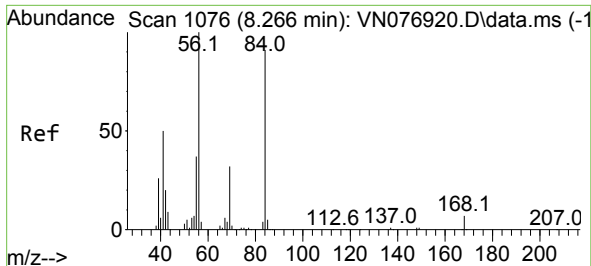
Tgt Ion: 84	Resp: 10357
Ion Ratio	Lower Upper
84 100	
49 97.8	76.6 114.8
51 27.8	25.4 38.2
86 55.1	51.1 76.7



#25
2-Butanone
Concen: 1.494 ug/l
RT: 7.507 min Scan# 947
Delta R.T. 0.017 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

Tgt Ion: 43	Resp: 2913
Ion Ratio	Lower Upper
43 100	
72 16.2	28.8 43.2#

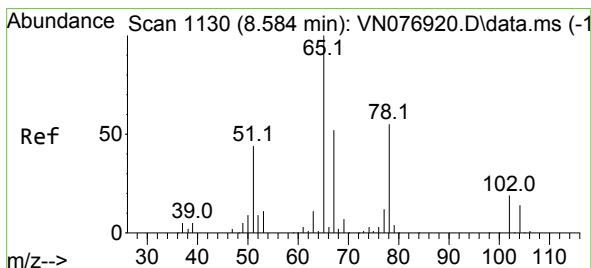
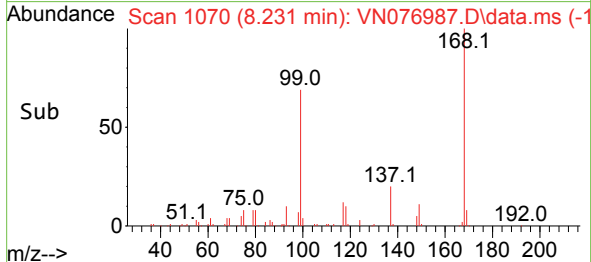
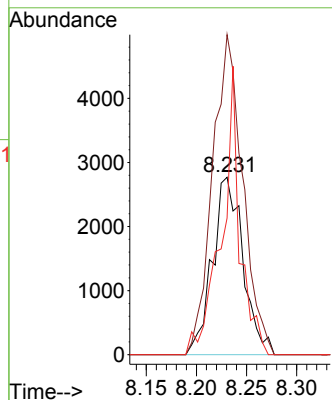
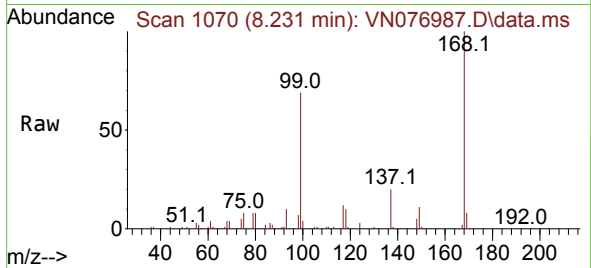




#31
Cyclohexane
Concen: 1.033 ug/l
RT: 8.231 min Scan# 1076
Delta R.T. -0.035 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

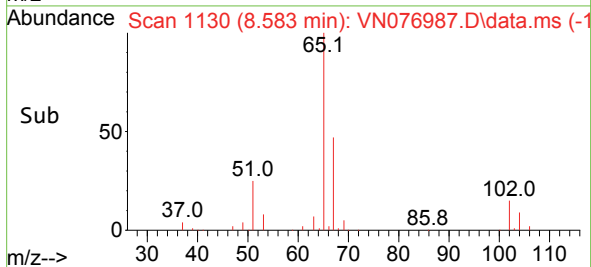
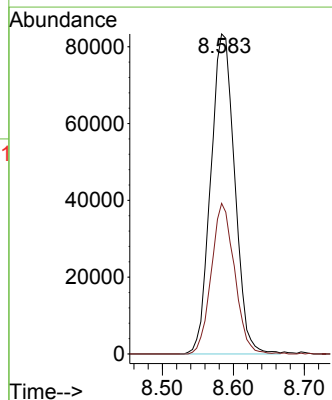
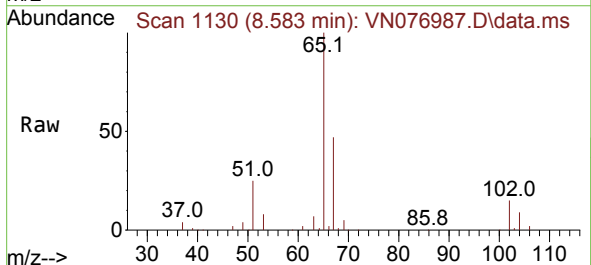
Instrument :
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ClientSampleId :
PB151382ZHE#06

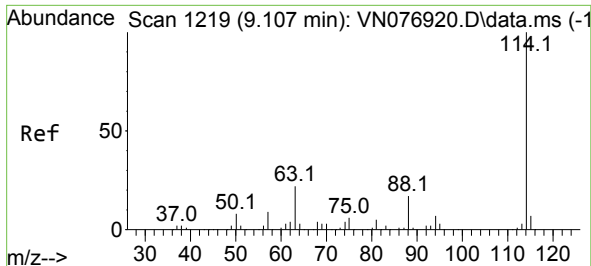
Tgt Ion: 56 Resp: 5863
Ion Ratio Lower Upper
56 100
69 180.4 27.0 40.6#
84 77.0 82.9 124.3#



#33
1,2-Dichloroethane-d4
Concen: 49.231 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

Tgt Ion: 65 Resp: 194818
Ion Ratio Lower Upper
65 100
67 45.6 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076987.D

Acq: 14 Mar 2023 17:09

Instrument :

MSVOA_N

ClientSampleId :

PB151382ZHE#06

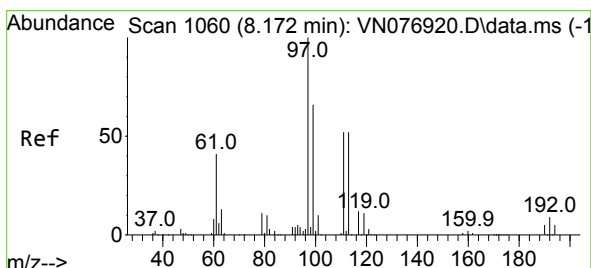
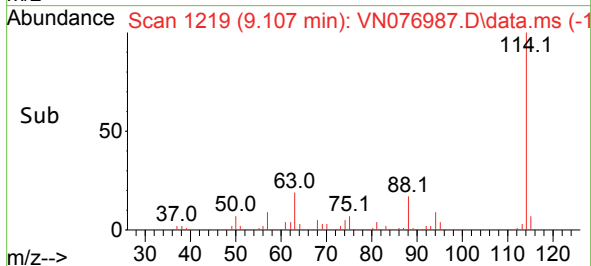
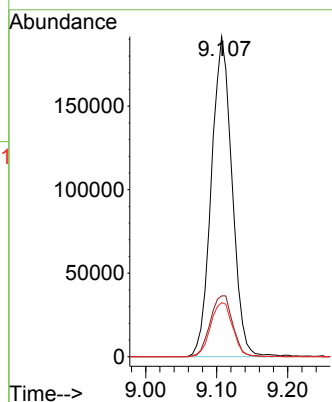
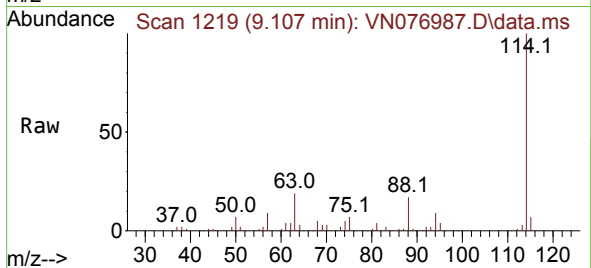
Tgt Ion:114 Resp: 386905

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.6

88 16.9 0.0 28.6



#35

Dibromofluoromethane

Concen: 48.203 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076987.D

Acq: 14 Mar 2023 17:09

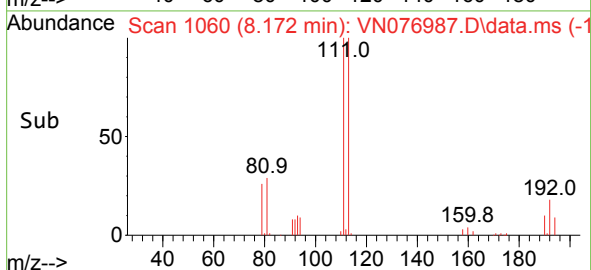
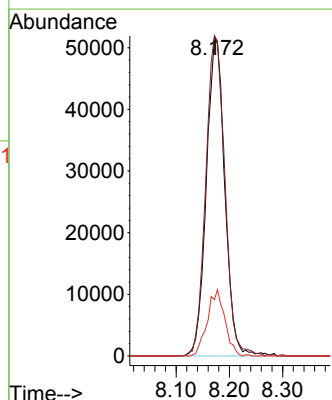
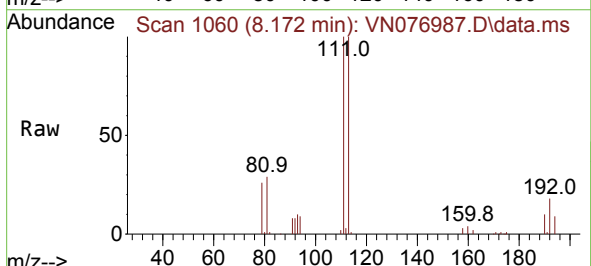
Tgt Ion:113 Resp: 124295

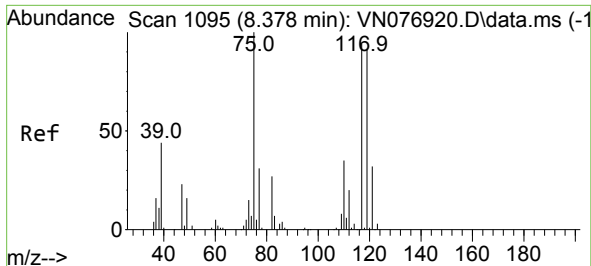
Ion Ratio Lower Upper

113 100

111 104.2 81.8 122.8

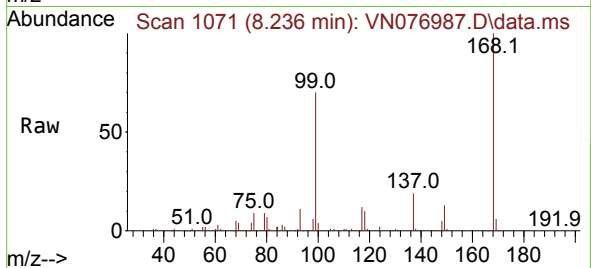
192 19.8 13.9 20.9



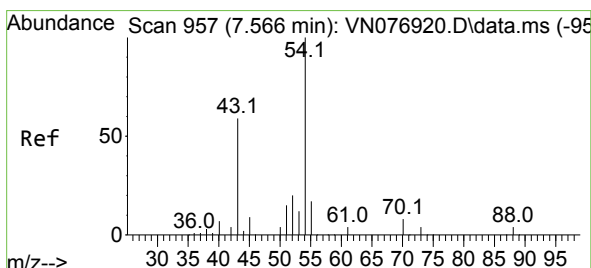
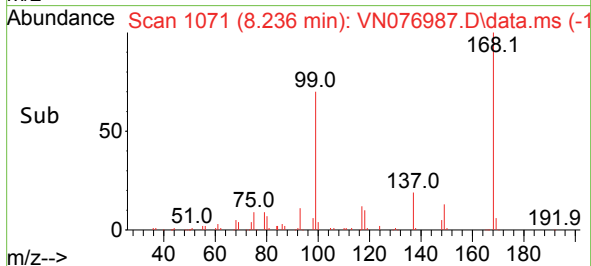
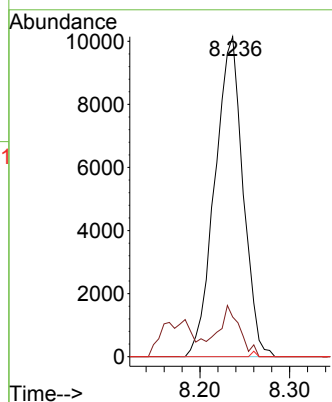


#36
1,1-Dichloropropene
Concen: 5.533 ug/l
RT: 8.236 min Scan# 1095
Delta R.T. -0.142 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

Instrument :
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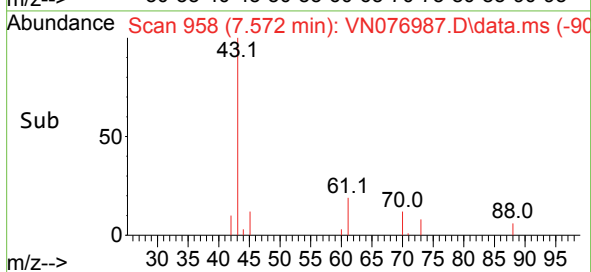
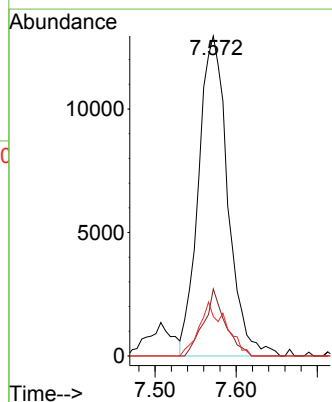
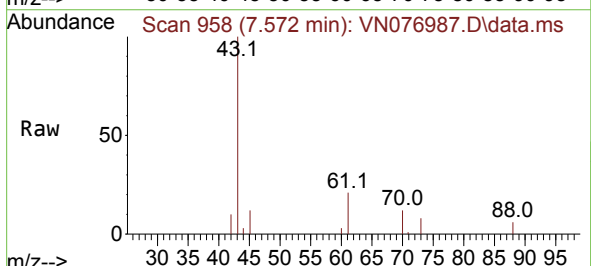


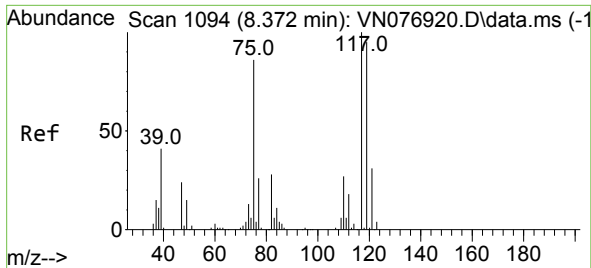
Tgt Ion: 75 Resp: 22067
Ion Ratio Lower Upper
75 100
110 11.9 18.9 56.9#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 10.184 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

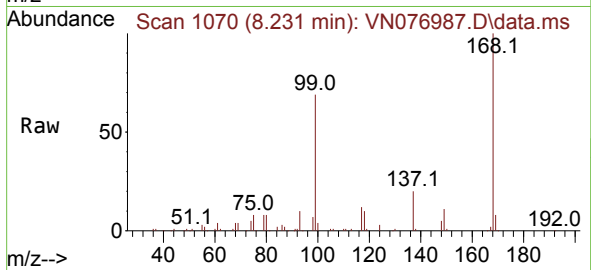
Tgt Ion: 43 Resp: 32479
Ion Ratio Lower Upper
43 100
61 15.4 13.5 20.3
70 15.4 11.0 16.6



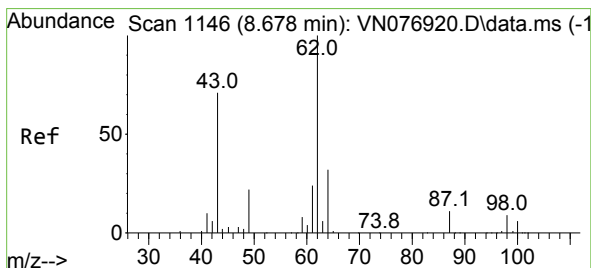
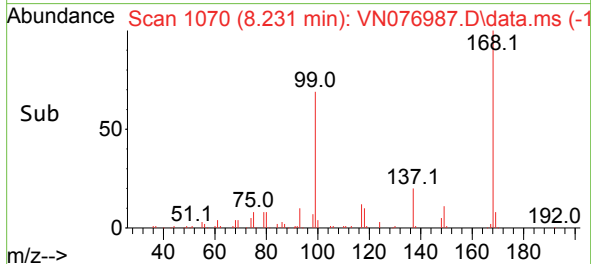
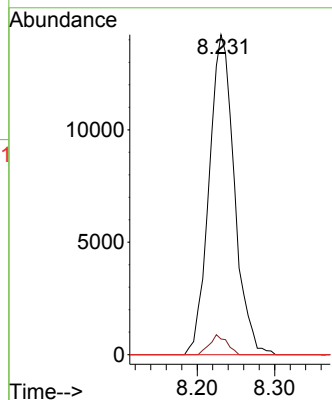


#38
Carbon Tetrachloride
Concen: 6.920 ug/l
RT: 8.231 min Scan# 1094
Delta R.T. -0.141 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

Instrument :
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ClientSampleId :
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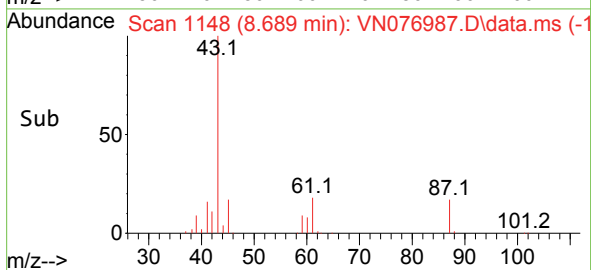
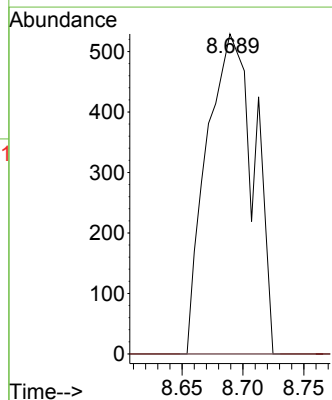
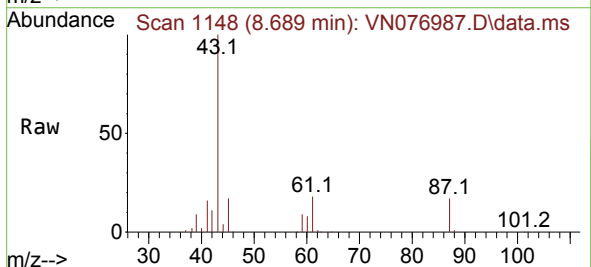


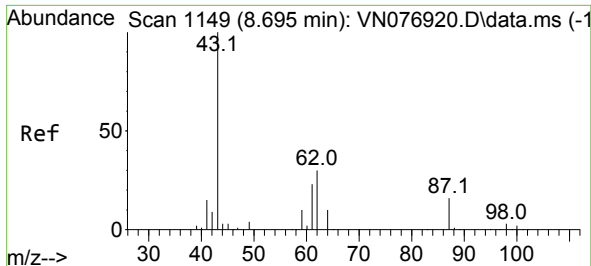
Tgt Ion:117 Resp: 32299
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 23.2 34.8#



#42
1,2-Dichloroethane
Concen: 0.313 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.011 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

Tgt Ion: 62 Resp: 1435
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.8

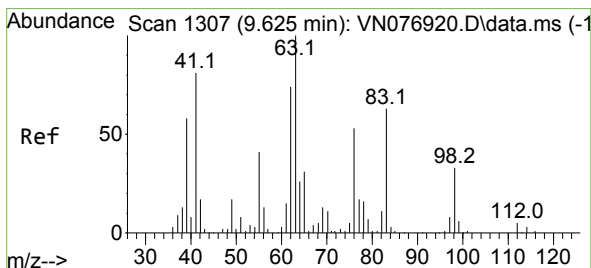
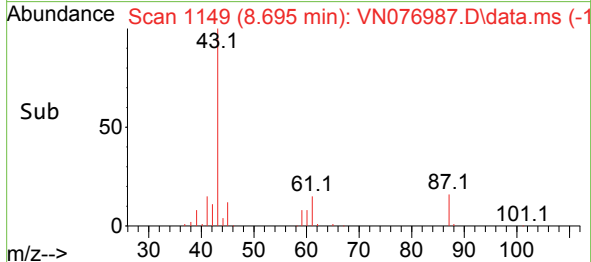
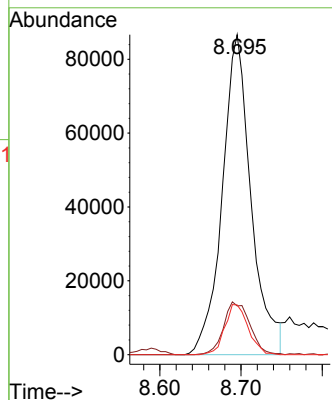
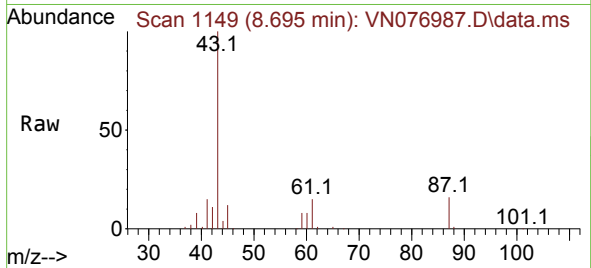




#43
Isopropyl Acetate
Concen: 37.983 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

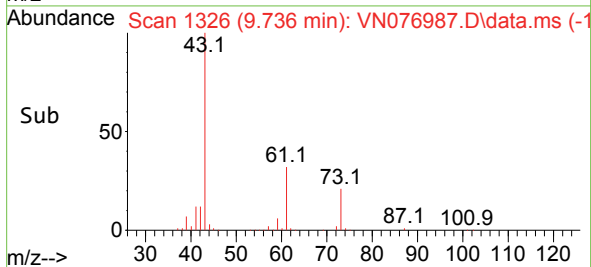
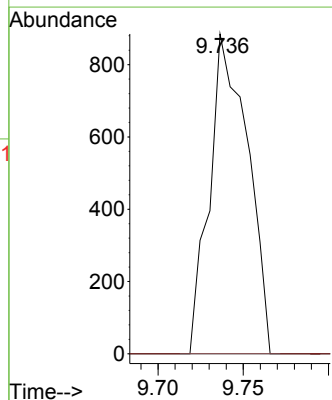
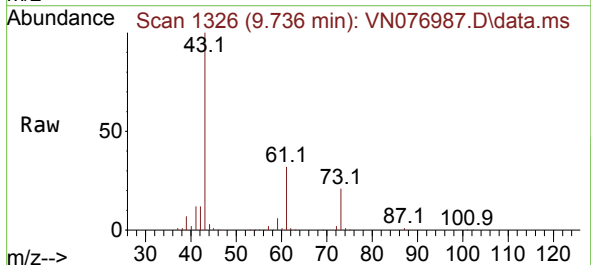
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#06

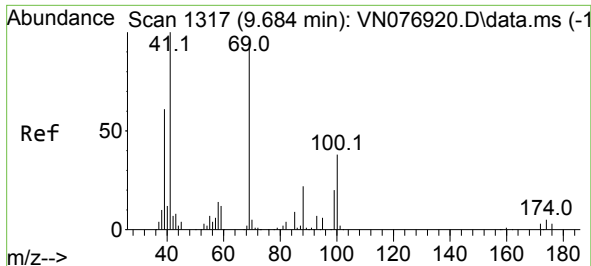
Tgt Ion: 43 Resp: 213843
Ion Ratio Lower Upper
43 100
61 15.1 26.2 39.2#
87 12.8 14.8 22.2#



#45
1,2-Dichloropropane
Concen: 0.476 ug/l
RT: 9.736 min Scan# 1326
Delta R.T. 0.111 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

Tgt Ion: 63 Resp: 1378
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.6#

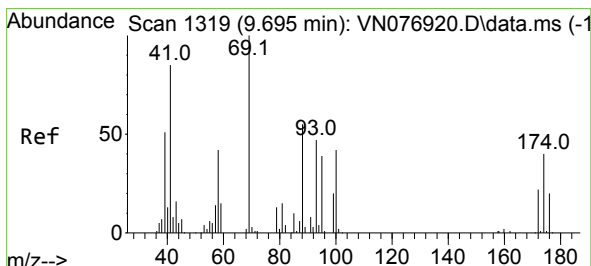
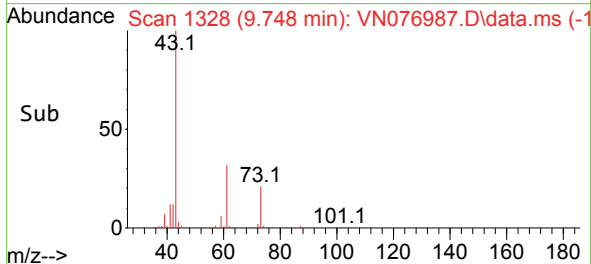
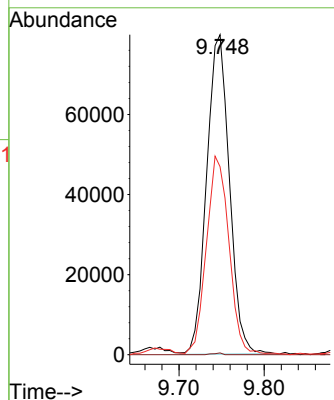
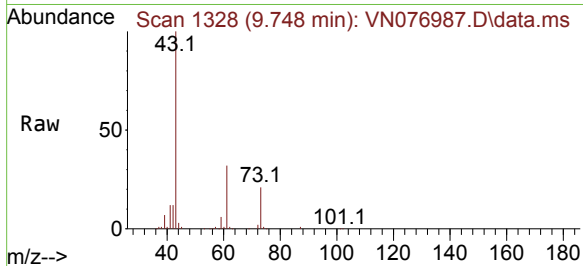




#48
Methyl methacrylate
Concen: 53.668 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.064 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

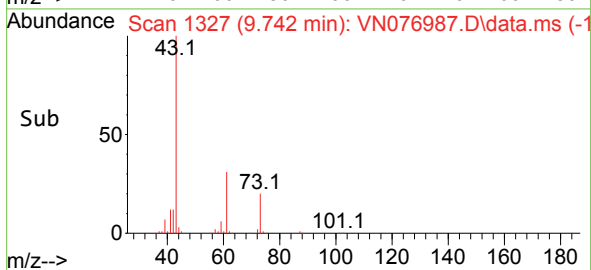
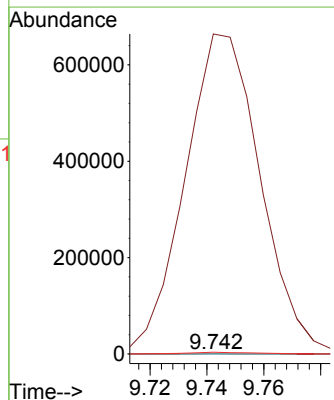
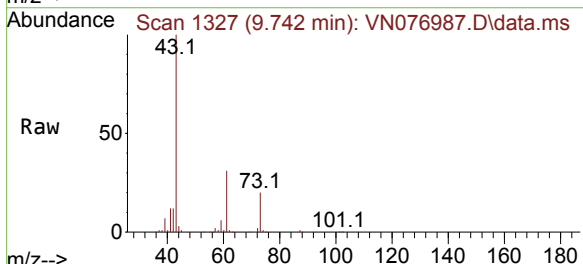
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#06

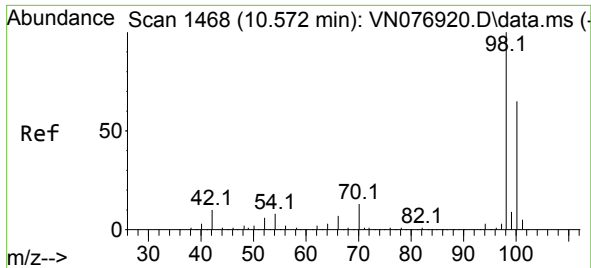
Tgt Ion: 41 Resp: 148045
Ion Ratio Lower Upper
41 100
69 0.2 92.6 139.0#
39 62.0 51.4 77.0



#49
1,4-Dioxane
Concen: 2.508 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.047 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

Tgt Ion: 88 Resp: 131
Ion Ratio Lower Upper
88 100
43 943028.2 15.3 22.9#
58 4438.9 47.6 71.4#

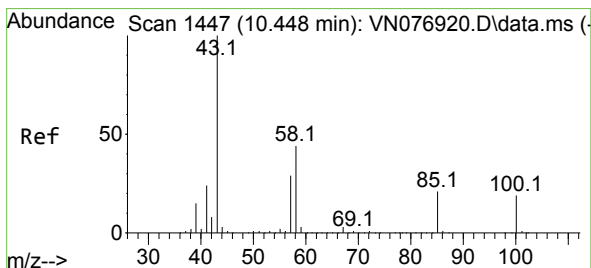
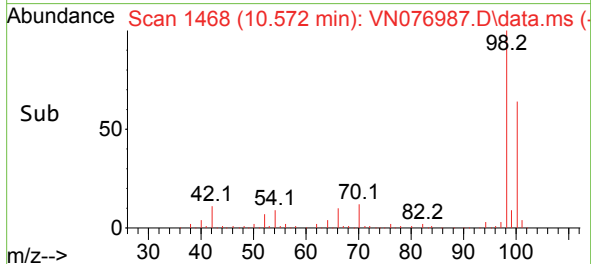
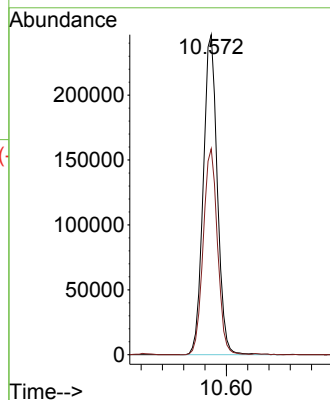
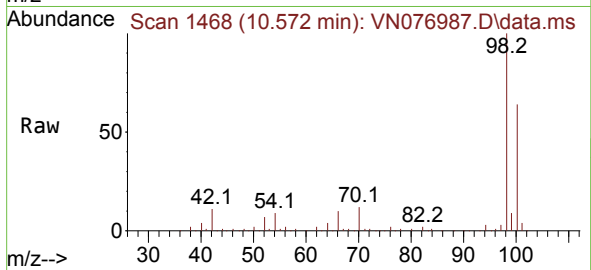




#50
Toluene-d8
Concen: 47.380 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

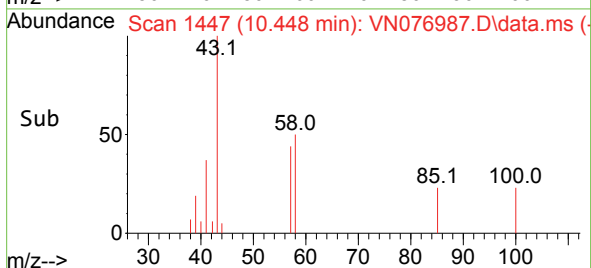
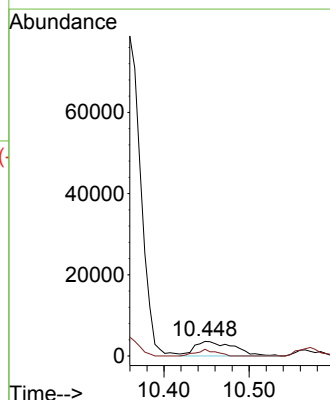
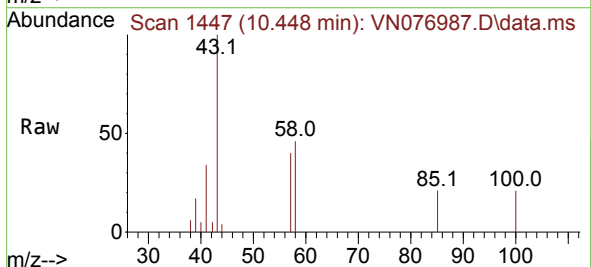
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#06

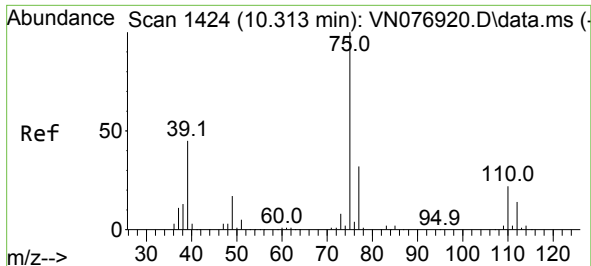
Tgt Ion: 98 Resp: 450272
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 3.430 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

Tgt Ion: 43 Resp: 11602
Ion Ratio Lower Upper
43 100
58 22.2 37.4 56.0#

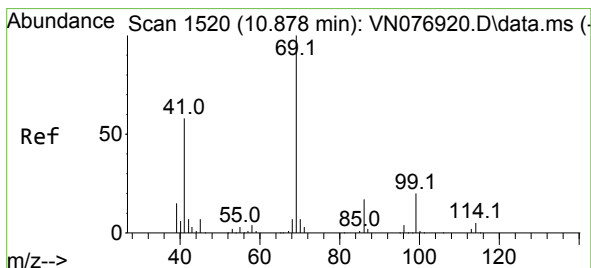
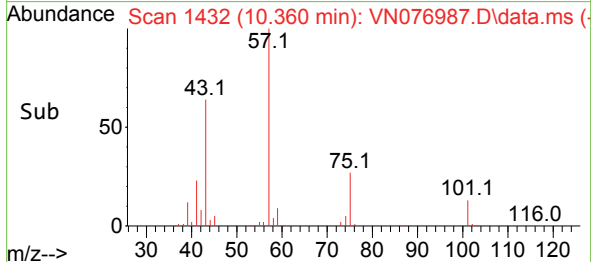
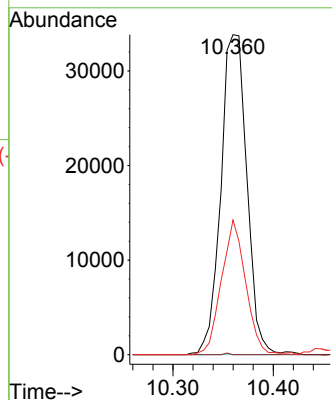
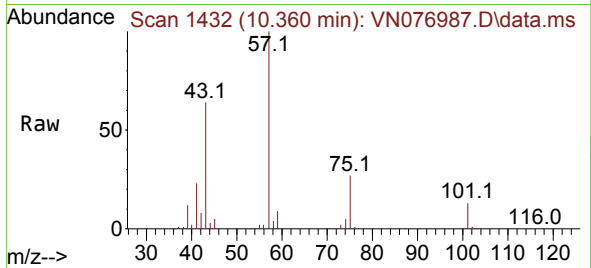




#54
 cis-1,3-Dichloropropene
 Concen: 12.941 ug/l
 RT: 10.360 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076987.D
 Acq: 14 Mar 2023 17:09

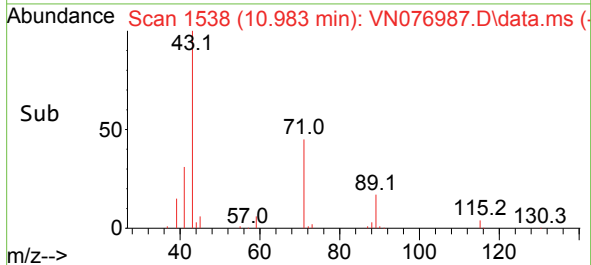
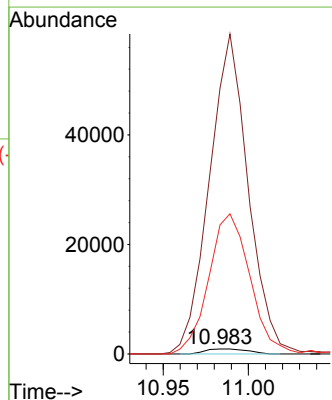
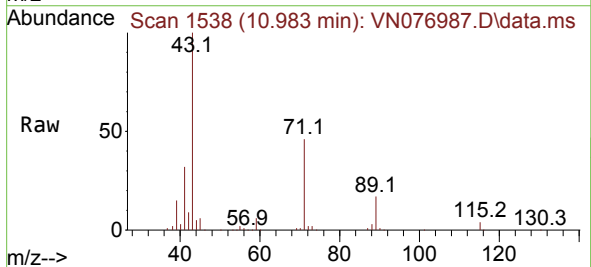
Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#06

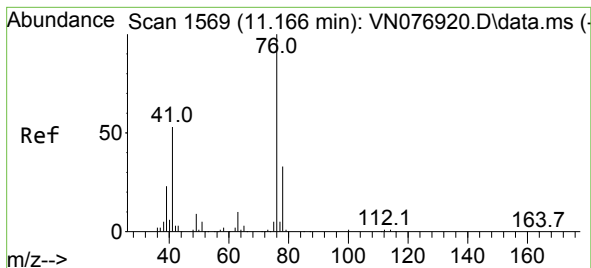
Tgt Ion: 75 Resp: 60716
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 42.1 29.7 44.5



#56
 Ethyl methacrylate
 Concen: 0.372 ug/l
 RT: 10.983 min Scan# 1538
 Delta R.T. 0.105 min
 Lab File: VN076987.D
 Acq: 14 Mar 2023 17:09

Tgt Ion: 69 Resp: 1590
 Ion Ratio Lower Upper
 69 100
 41 5850.1 38.0 57.0#
 39 2705.5 22.4 33.6#

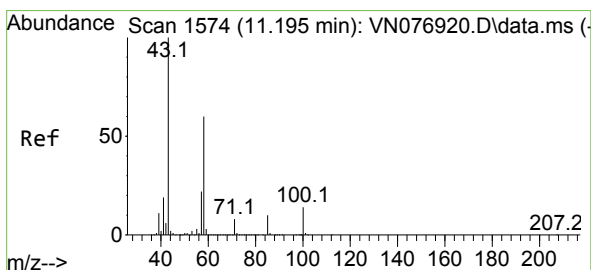
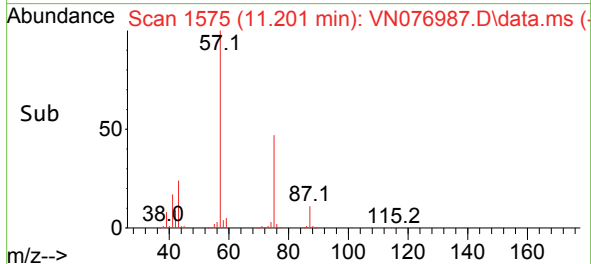
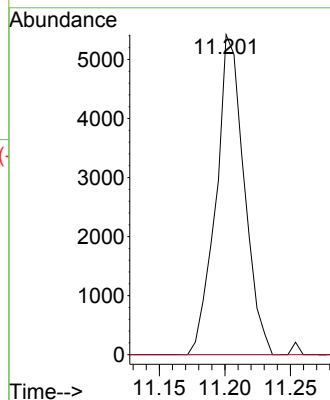
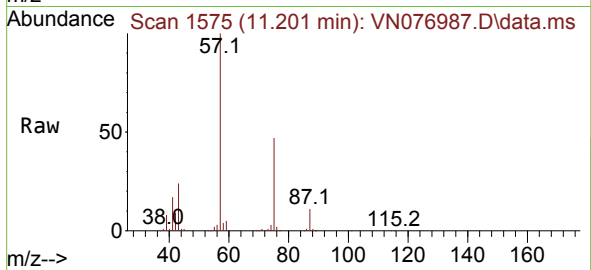




#57
1,3-Dichloropropane
Concen: 1.632 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

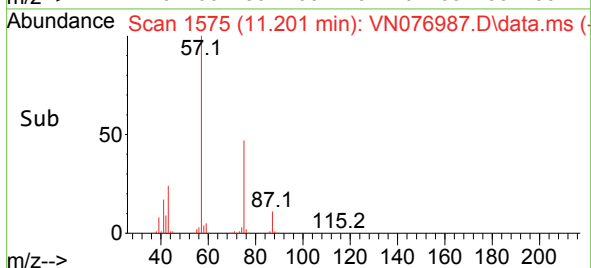
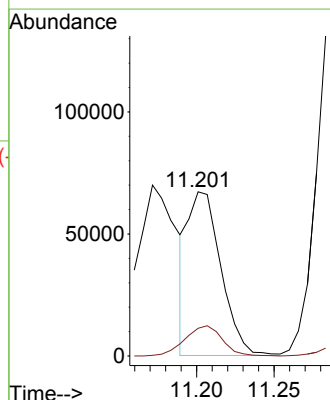
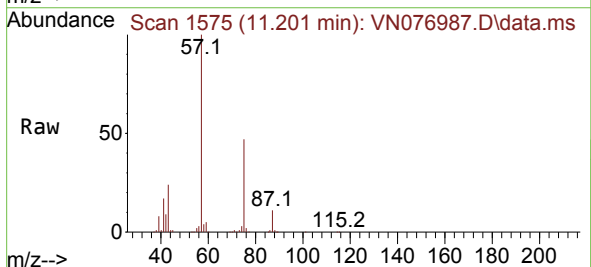
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#06

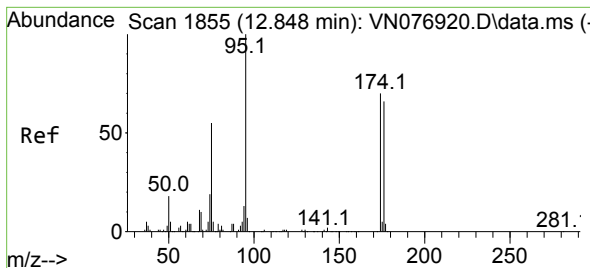
Tgt Ion: 76 Resp: 8099
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 40.532 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

Tgt Ion: 43 Resp: 99950
Ion Ratio Lower Upper
43 100
58 20.8 32.6 98.0#

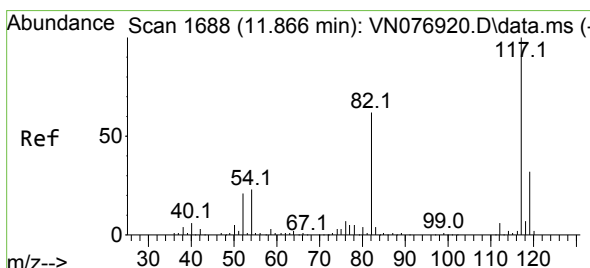
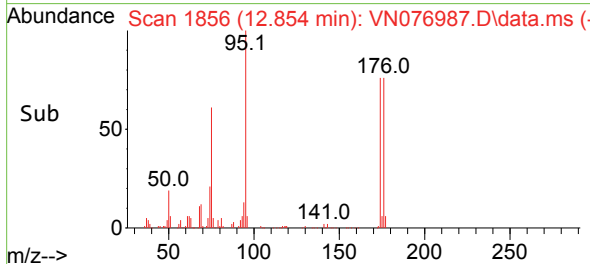
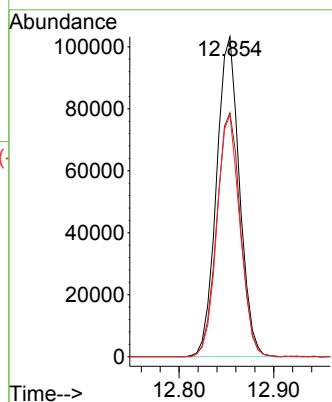
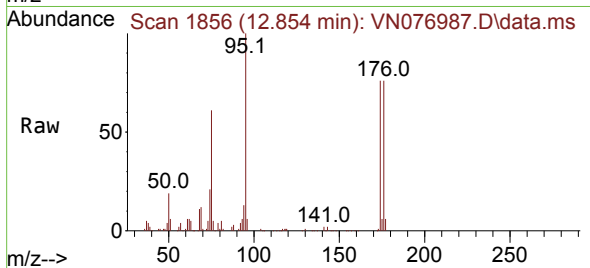




#62
4-Bromofluorobenzene
Concen: 50.141 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

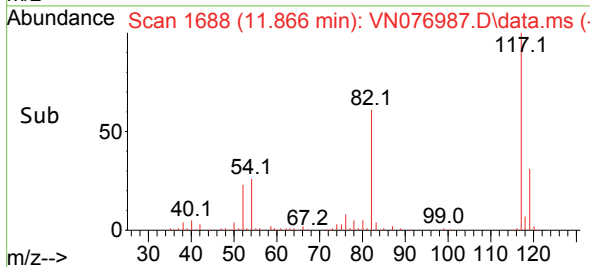
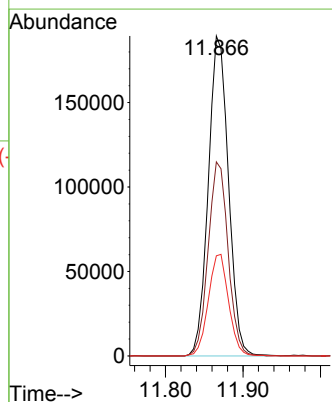
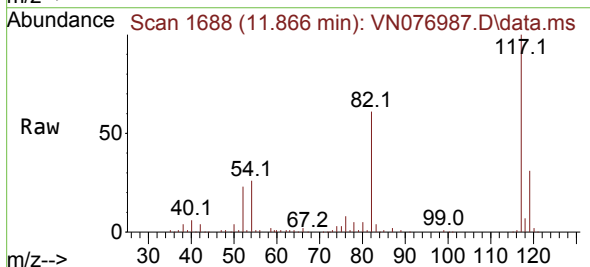
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#06

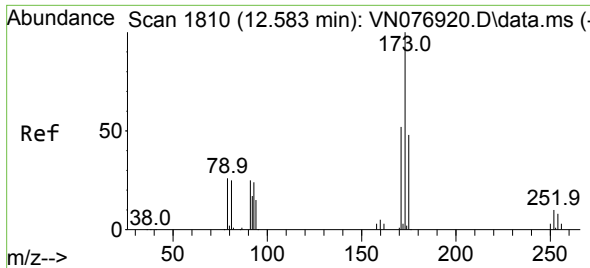
Tgt Ion: 95 Resp: 174293
Ion Ratio Lower Upper
95 100
174 78.3 0.0 162.4
176 75.7 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

Tgt Ion: 117 Resp: 341865
Ion Ratio Lower Upper
117 100
82 60.7 43.5 65.3
119 31.3 25.5 38.3

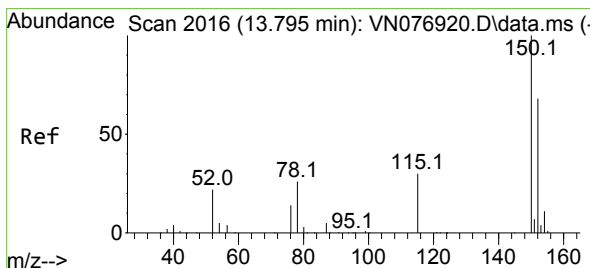
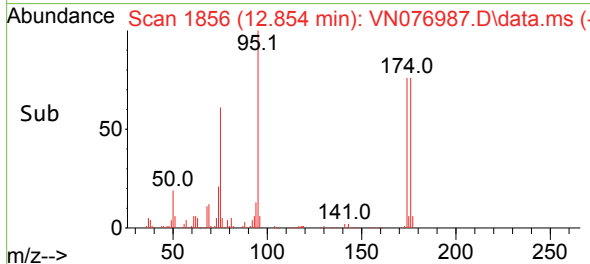
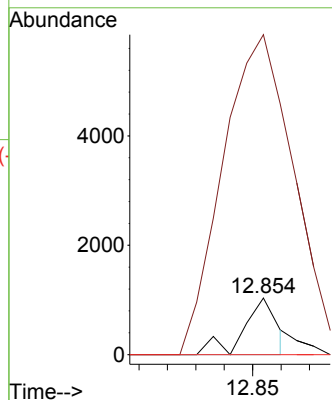
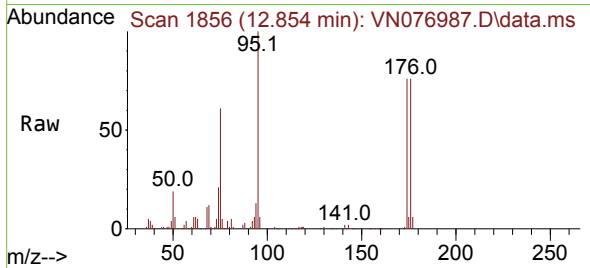




#71
Bromoform
Concen: 0.391 ug/l
RT: 12.854 min Scan# 1810
Delta R.T. 0.271 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

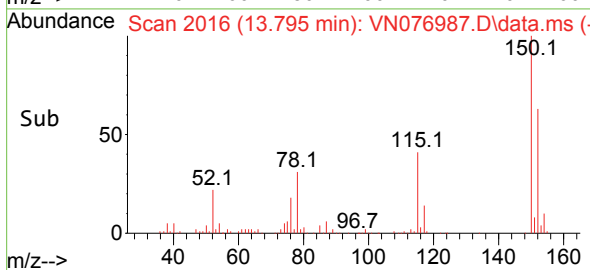
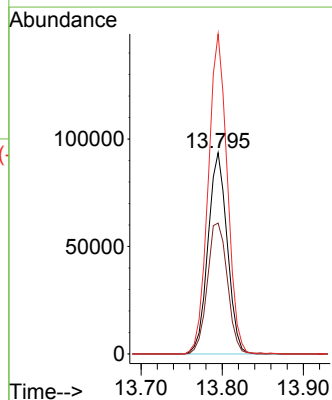
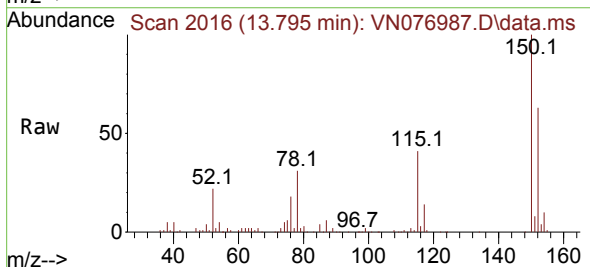
Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#06

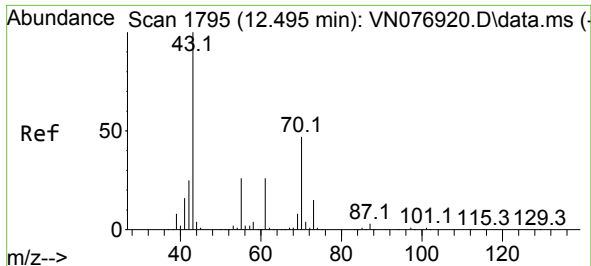
Tgt Ion:173 Resp: 846
Ion Ratio Lower Upper
173 100
175 982.9 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

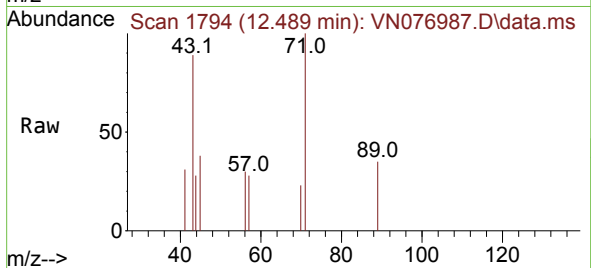
Tgt Ion:152 Resp: 153829
Ion Ratio Lower Upper
152 100
115 67.9 30.3 90.9
150 157.4 0.0 353.6



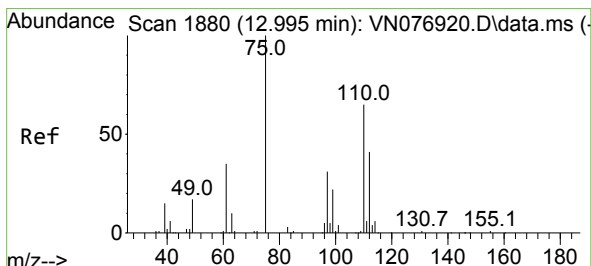
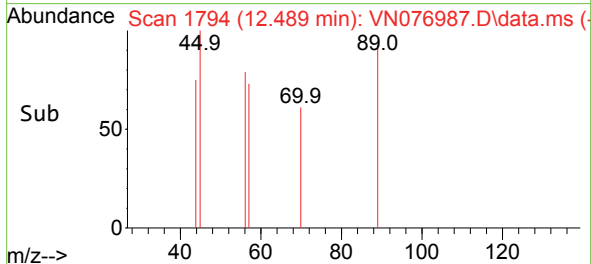
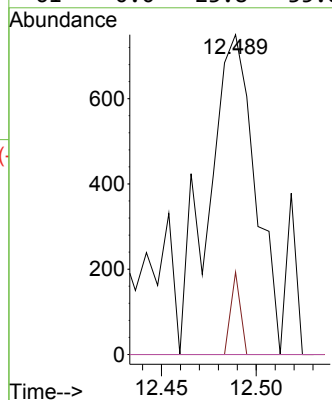


#74
N-amy1 acetate
Concen: 0.285 ug/l
RT: 12.489 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

Instrument :
MSVOA_N
ClientSampleId :
PB151382ZHE#06

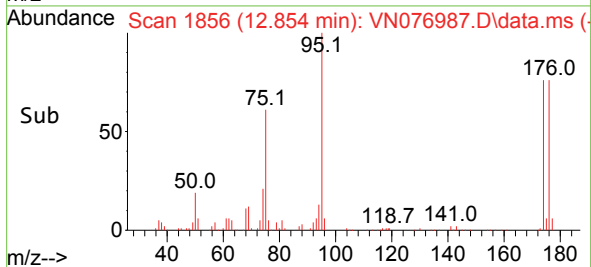
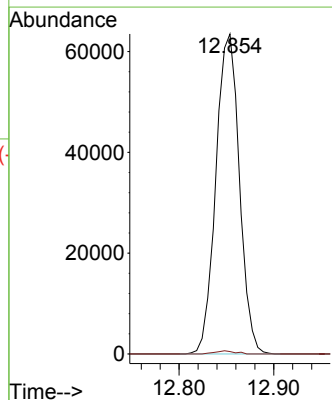
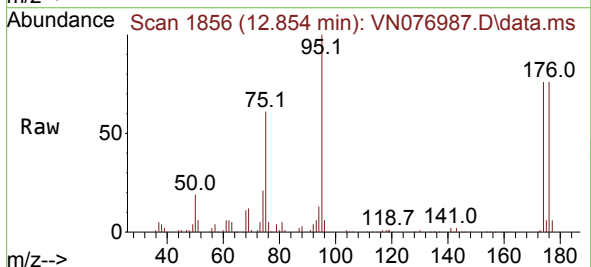


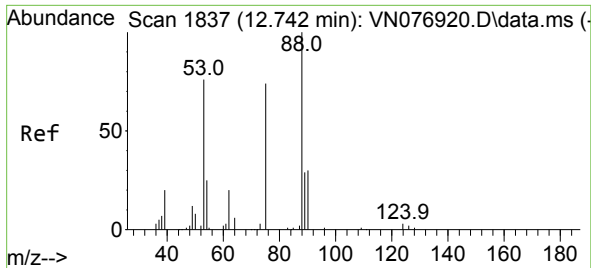
Tgt Ion: 43	Resp: 1292
Ion Ratio	Lower Upper
43 100	
70 5.3	46.8 70.2#
55 0.0	23.4 35.2#
61 0.0	23.8 35.8#



#76
1,2,3-Trichloropropane
Concen: 29.348 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076987.D
Acq: 14 Mar 2023 17:09

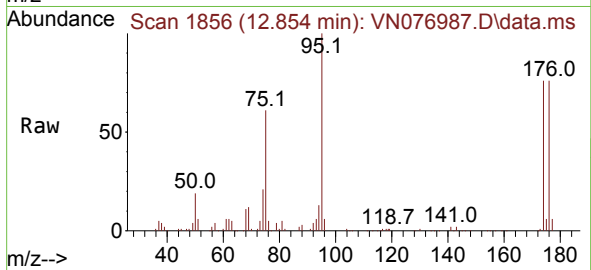
Tgt Ion: 75	Resp: 109454
Ion Ratio	Lower Upper
75 100	
77 0.8	93.8 281.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.866 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN076987.D
 Acq: 14 Mar 2023 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151382ZHE#06



Tgt Ion: 75 Resp: 109454
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.0 39.5 59.3#

