

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080077.D
 Acq On : 14 Nov 2023 07:36
 Operator : JC\MD
 Sample : PB157075ZHE#18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#18

Quant Time: Nov 14 19:26:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

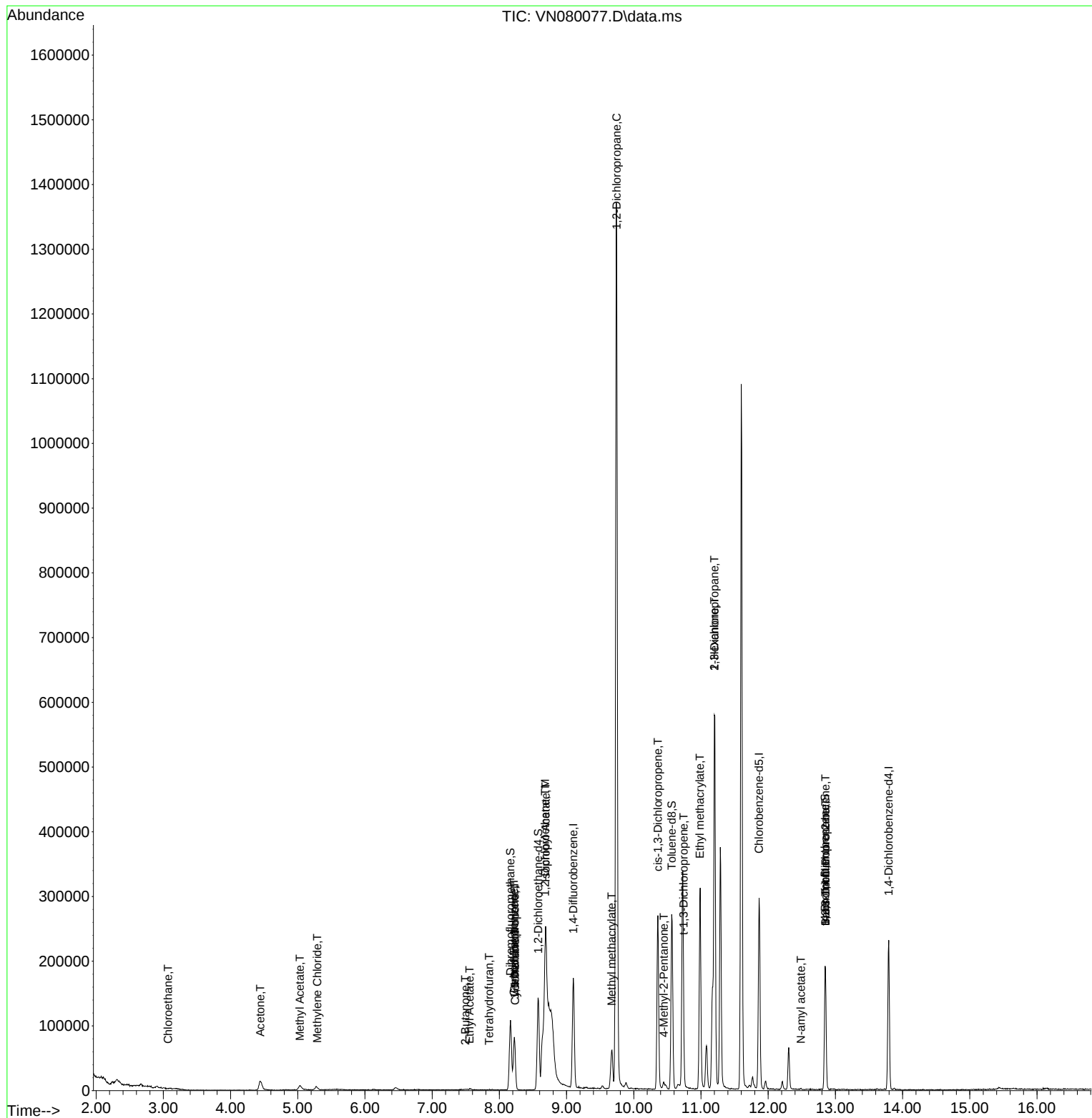
Internal Standards						
1) Pentafluorobenzene	8.224	168	56309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	142724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	169629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	61534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119577	139.386	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 278.780%#	
35) Dibromofluoromethane	8.165	113	76727	75.957	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 151.920%#	
50) Toluene-d8	10.565	98	189406	50.933	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.860%	
62) 4-Bromofluorobenzene	12.847	95	67493	54.725	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.348	50	539	Below Cal	#	42
6) Chloroethane	3.071	64	187	0.267	ug/l #	43
16) Acetone	4.442	43	29932	99.329	ug/l #	77
18) Methyl Acetate	5.030	43	14926	10.353	ug/l #	85
20) Methylene Chloride	5.289	84	3938	5.179	ug/l #	76
25) 2-Butanone	7.494	43	2578	5.842	ug/l #	37
29) Tetrahydrofuran	7.847	42	270	0.940	ug/l #	34
31) Cyclohexane	8.235	56	1286	1.134	ug/l #	23
36) 1,1-Dichloropropene	8.230	75	4708	3.264	ug/l #	41
37) Ethyl Acetate	7.559	43	3328	2.516	ug/l #	74
38) Carbon Tetrachloride	8.218	117	6176	4.249	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	1036	0.687	ug/l #	73
43) Isopropyl Acetate	8.688	43	429327	185.075	ug/l #	62
45) 1,2-Dichloropropane	9.747	63	1729	1.566	ug/l #	45
48) Methyl methacrylate	9.671	41	4318	4.250	ug/l #	29
51) 4-Methyl-2-Pentanone	10.447	43	6559	5.022	ug/l	89
53) t-1,3-Dichloropropene	10.741	75	1107	0.702	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	46037	26.800	ug/l #	73
56) Ethyl methacrylate	10.982	69	2830	1.926	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5981	3.294	ug/l #	42
59) 2-Hexanone	11.200	43	79715	79.788	ug/l #	47
71) Bromoform	12.853	173	560	0.595	ug/l #	1
74) N-amyl acetate	12.488	43	1374	0.674	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	36131	25.010	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	36131	68.048	ug/l #	15

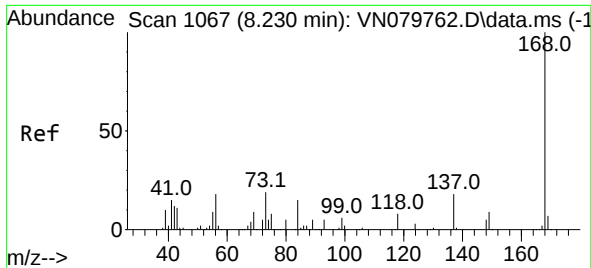
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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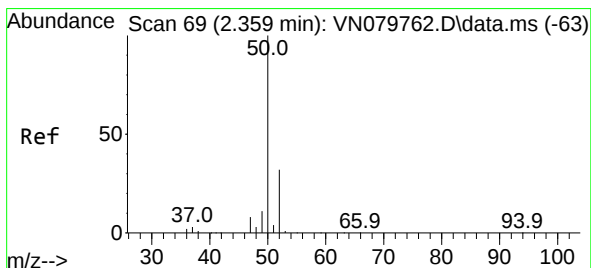
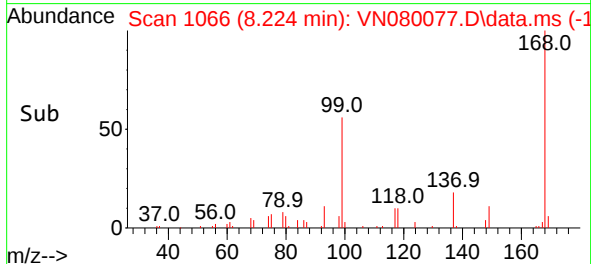
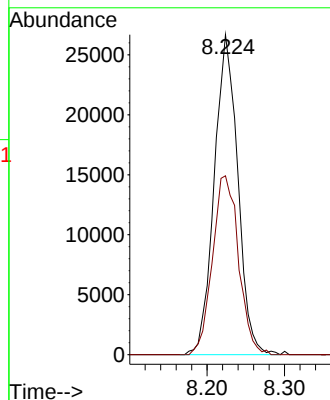
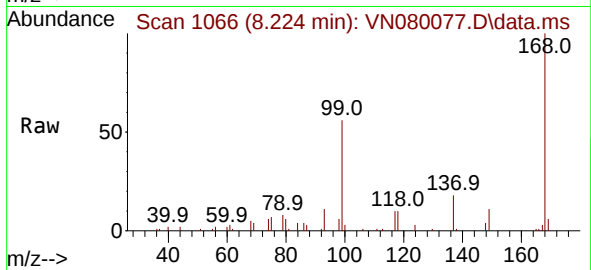




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

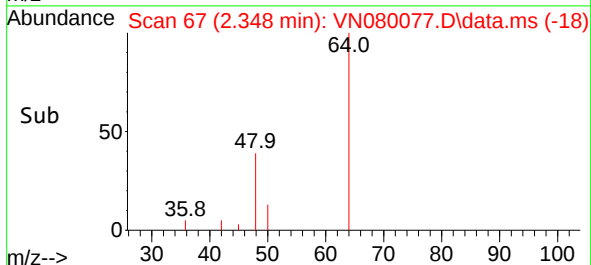
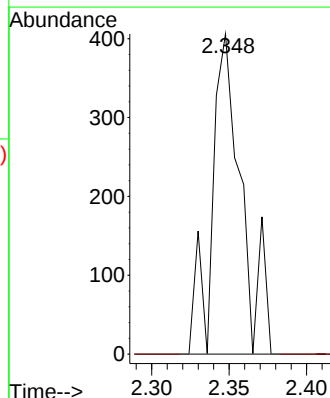
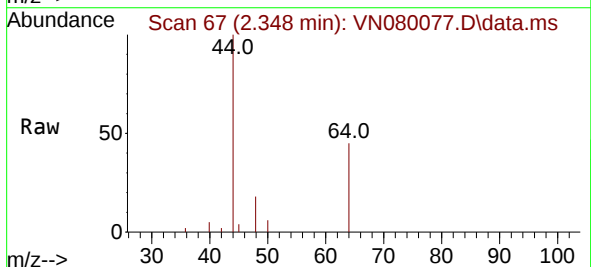
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#18

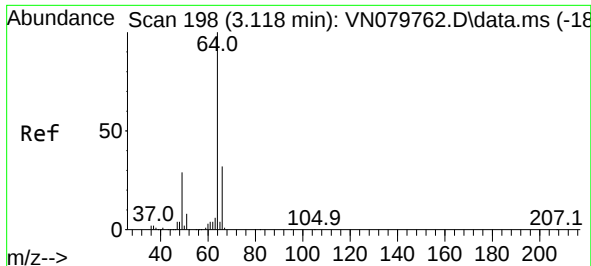
Tgt Ion:168 Resp: 56309
Ion Ratio Lower Upper
168 100
99 55.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.348 min Scan# 67
Delta R.T. -0.011 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

Tgt Ion: 50 Resp: 539
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

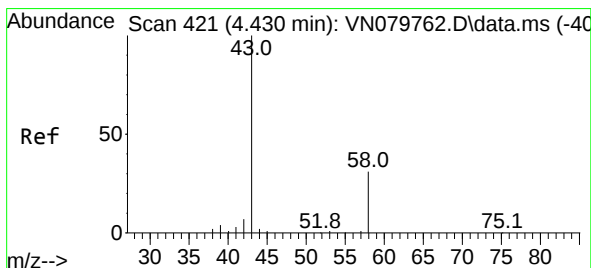
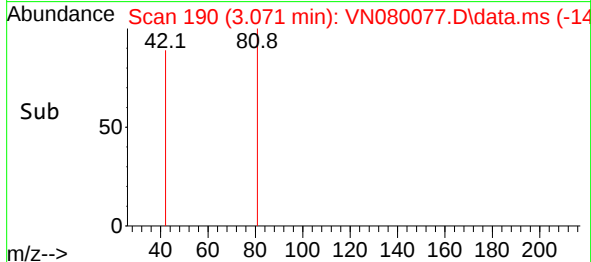
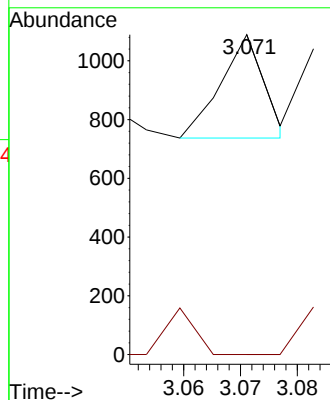
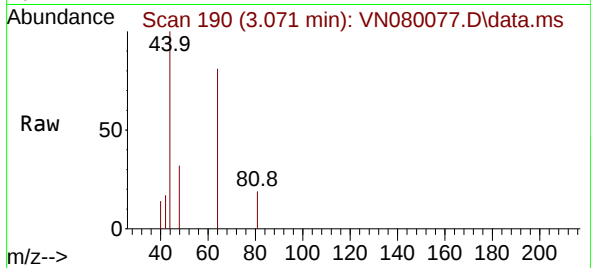




#6
Chloroethane
Concen: 0.267 ug/l
RT: 3.071 min Scan# 198
Delta R.T. -0.047 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

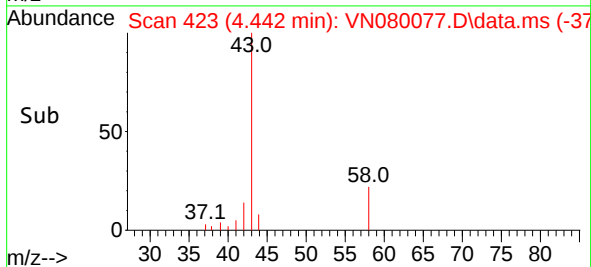
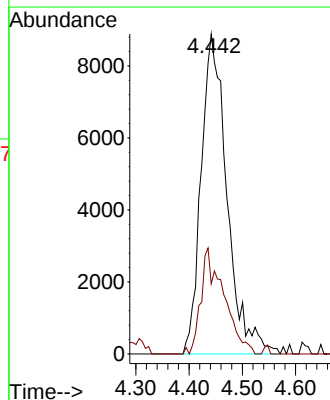
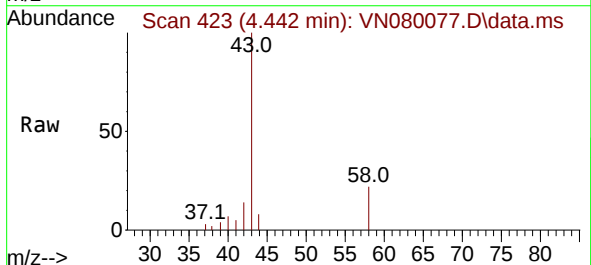
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#18

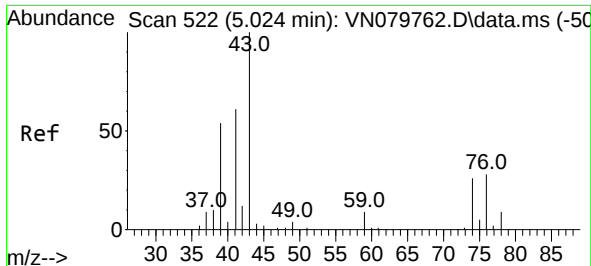
Tgt Ion: 64 Resp: 187
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 99.329 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

Tgt Ion: 43 Resp: 29932
Ion Ratio Lower Upper
43 100
58 21.9 28.0 42.0#

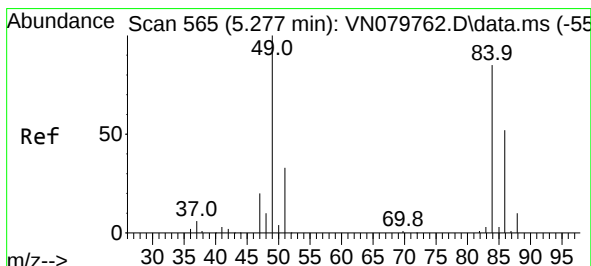
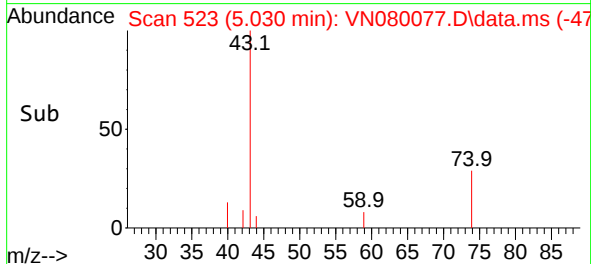
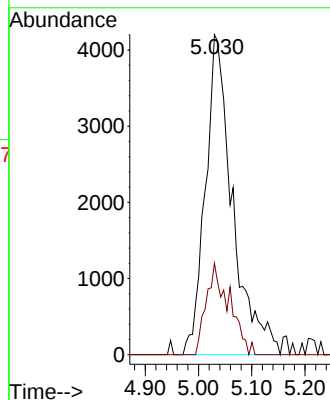
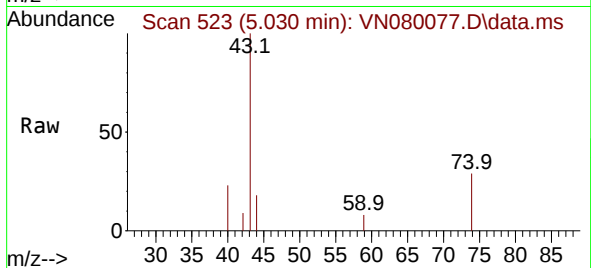




#18
Methyl Acetate
Concen: 10.353 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

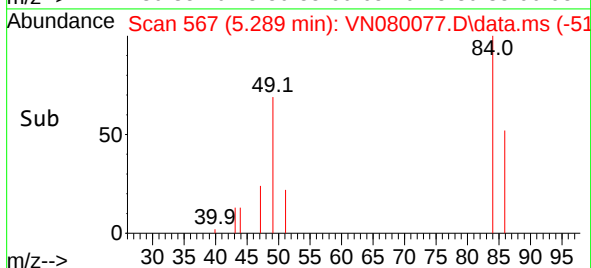
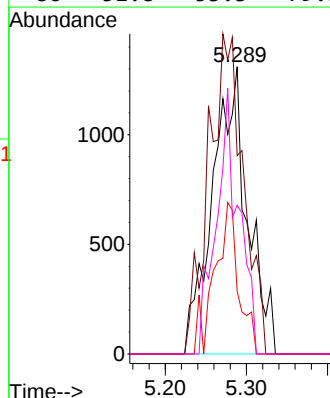
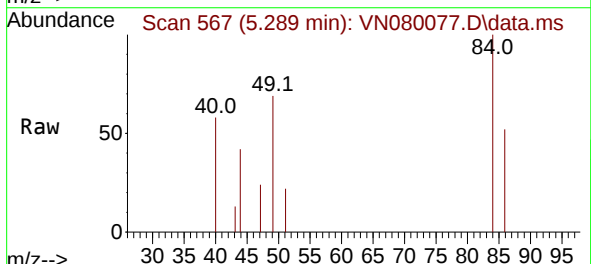
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#18

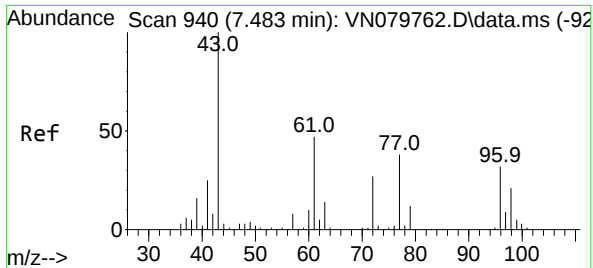
Tgt Ion: 43 Resp: 14926
Ion Ratio Lower Upper
43 100
74 24.2 26.2 39.4#



#20
Methylene Chloride
Concen: 5.179 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.018 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

Tgt Ion: 84 Resp: 3938
Ion Ratio Lower Upper
84 100
49 69.1 79.7 119.5#
51 21.8 25.2 37.8#
86 51.8 53.3 79.9#

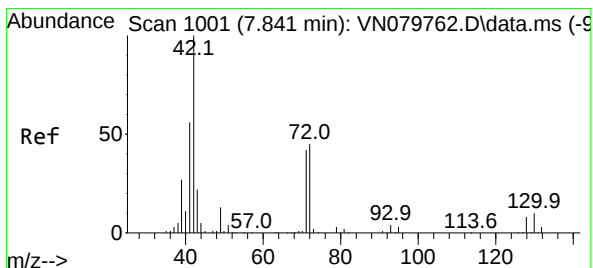
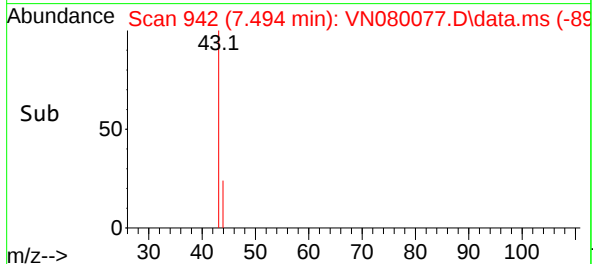
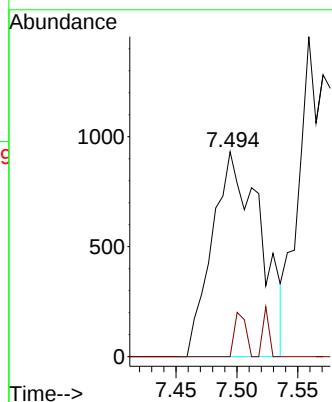
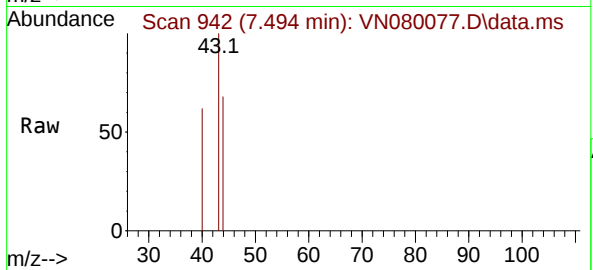




#25
2-Butanone
Concen: 5.842 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

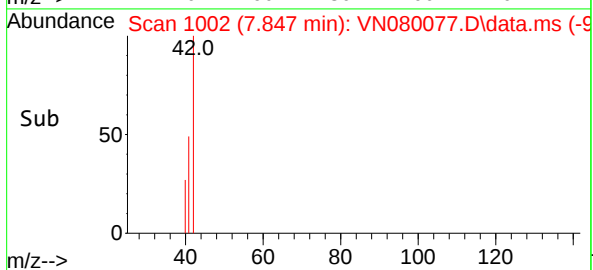
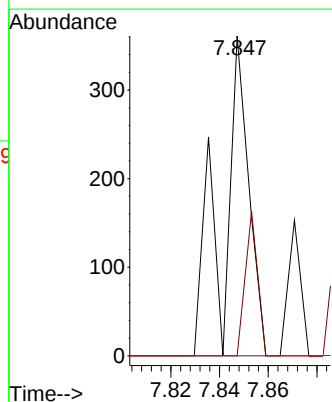
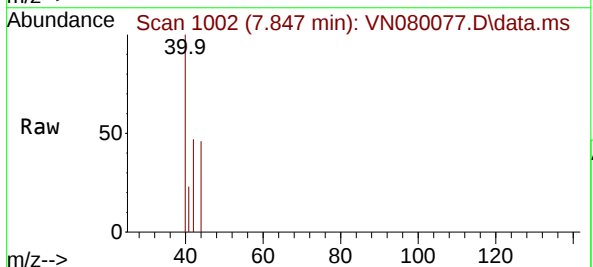
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#18

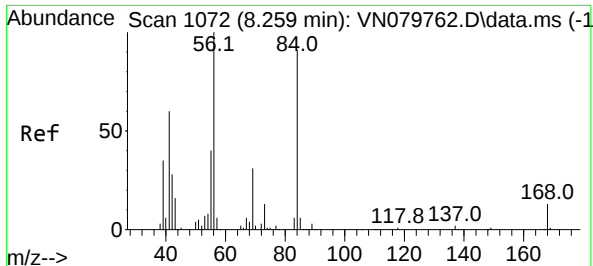
Tgt Ion: 43 Resp: 2578
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.940 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

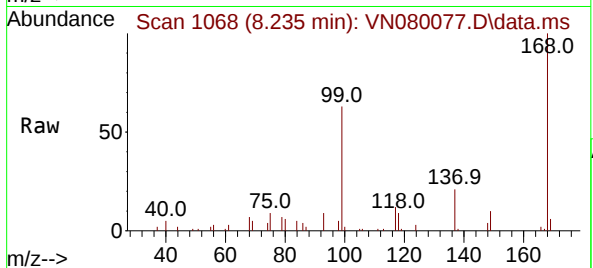
Tgt Ion: 42 Resp: 270
Ion Ratio Lower Upper
42 100
72 21.5 49.8 74.6#
71 0.0 47.4 71.2#



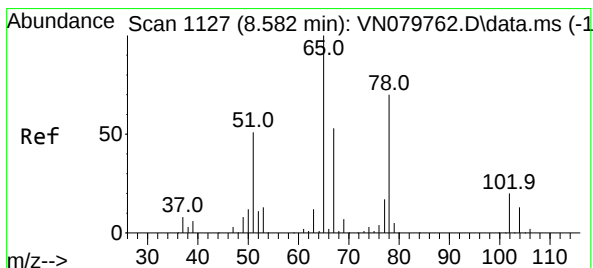
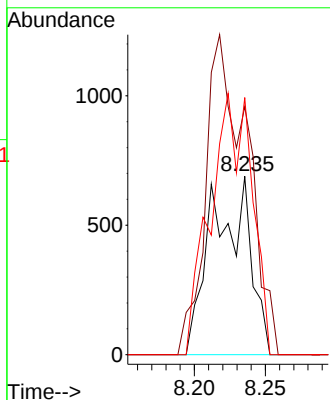
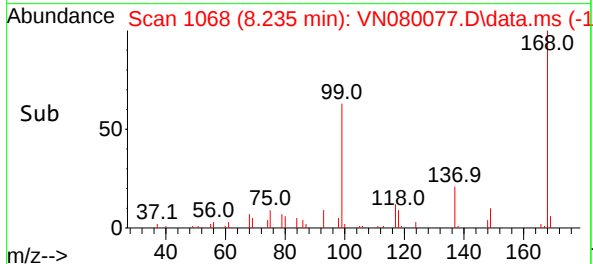


#31
Cyclohexane
Concen: 1.134 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.023 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

Instrument :
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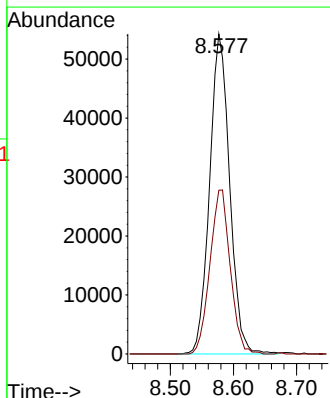
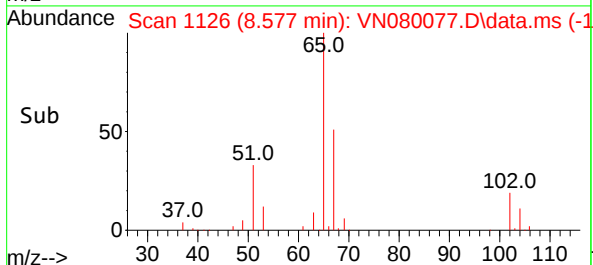
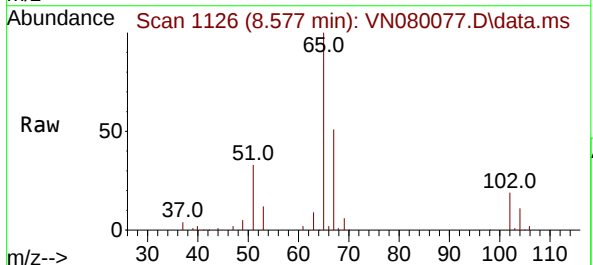


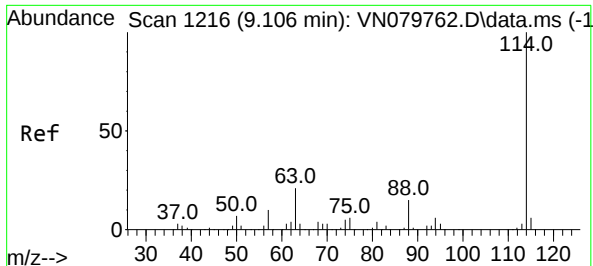
Tgt Ion: 56 Resp: 1286
Ion Ratio Lower Upper
56 100
69 139.0 26.8 40.2#
84 144.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 139.386 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

Tgt Ion: 65 Resp: 119577
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080077.D

Acq: 14 Nov 2023 07:36

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#18

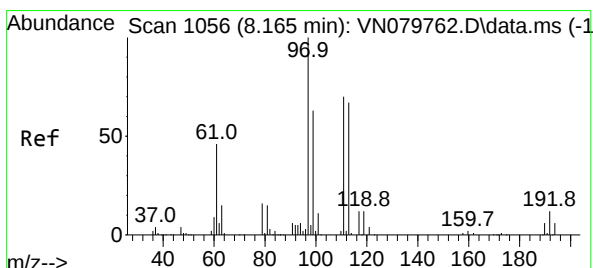
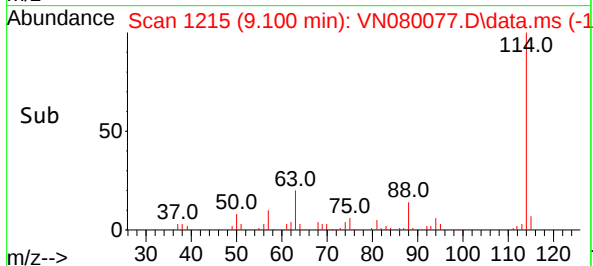
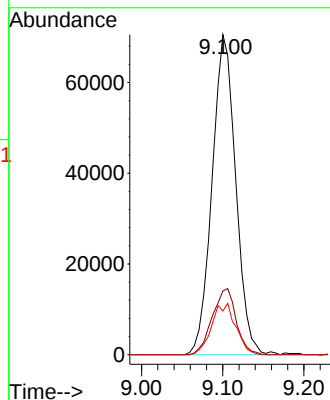
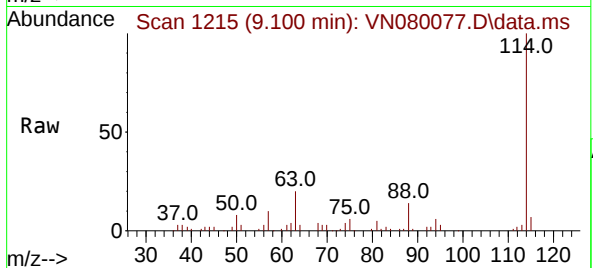
Tgt Ion:114 Resp: 142724

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 13.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 75.957 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080077.D

Acq: 14 Nov 2023 07:36

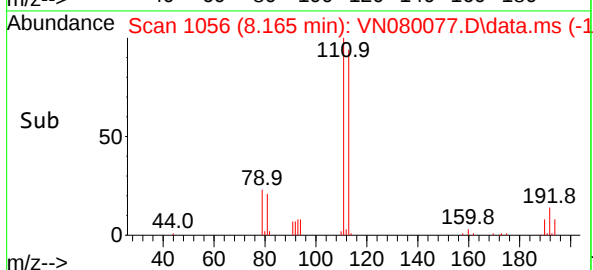
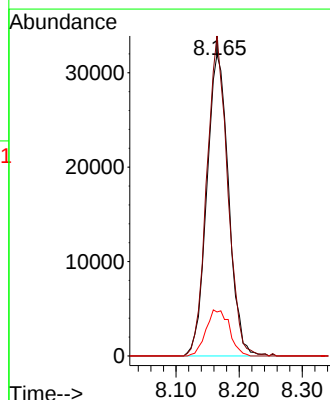
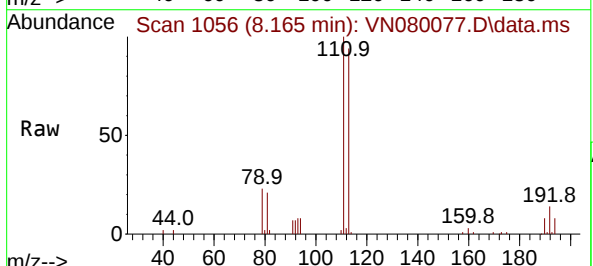
Tgt Ion:113 Resp: 76727

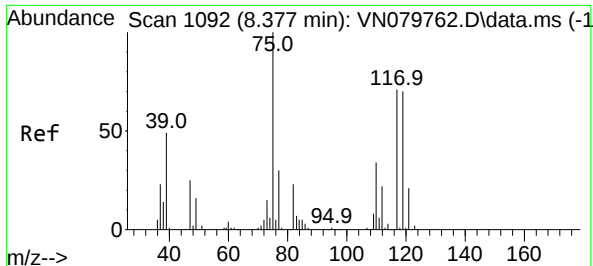
Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

192 16.4 12.7 19.1

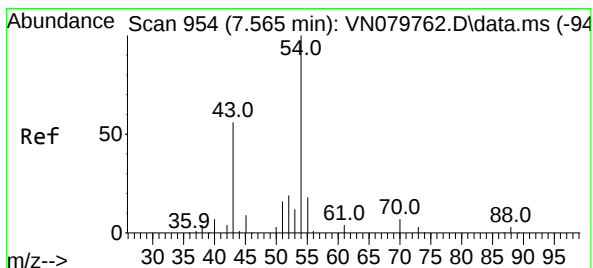
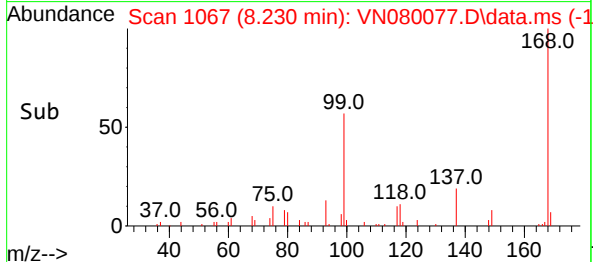
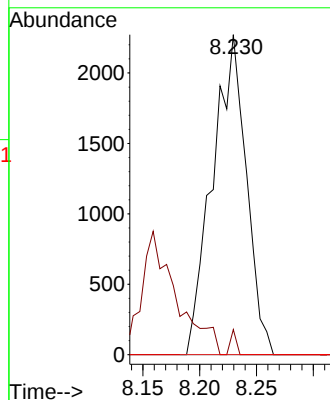
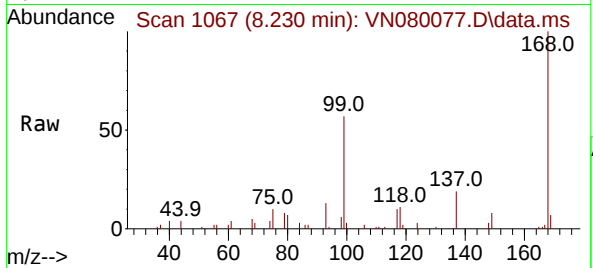




#36
1,1-Dichloropropene
Concen: 3.264 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

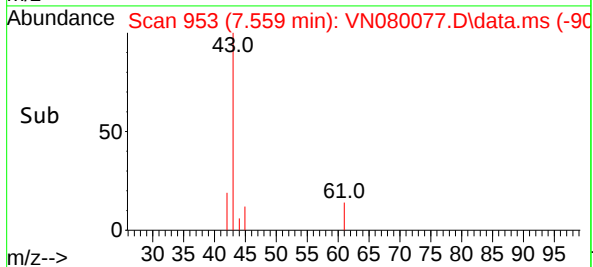
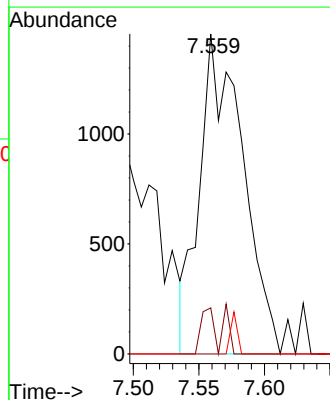
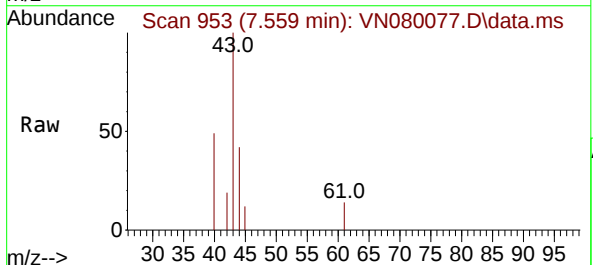
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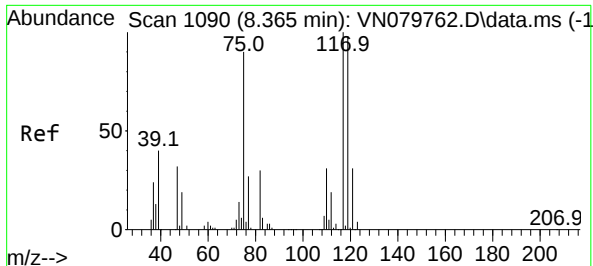
Tgt Ion: 75 Resp: 4708
Ion Ratio Lower Upper
75 100
110 1.3 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.516 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.006 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

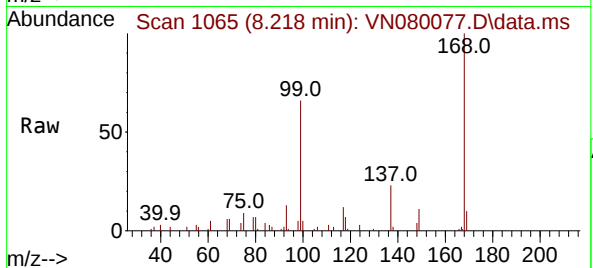
Tgt Ion: 43 Resp: 3328
Ion Ratio Lower Upper
43 100
61 6.7 13.2 19.8#
70 2.0 11.3 16.9#



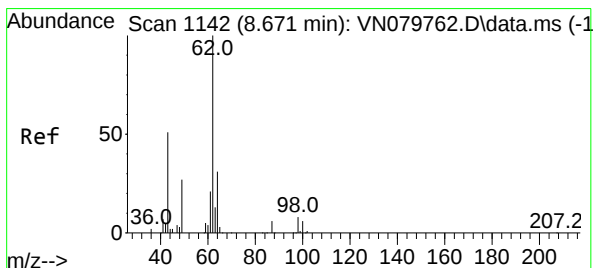
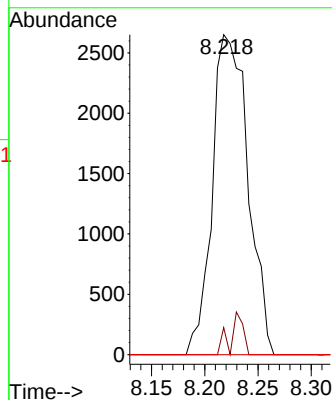
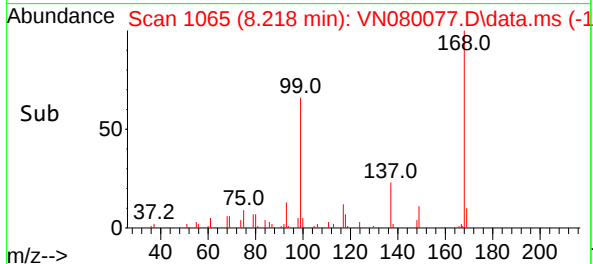


#38
Carbon Tetrachloride
Concen: 4.249 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

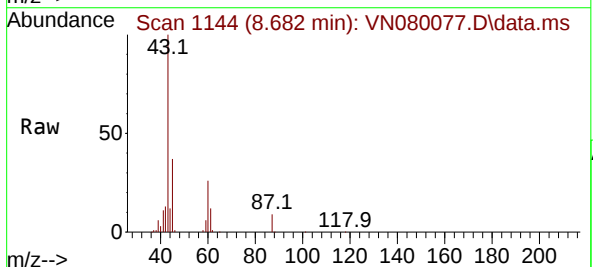
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#18



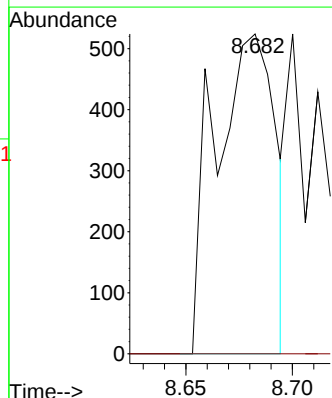
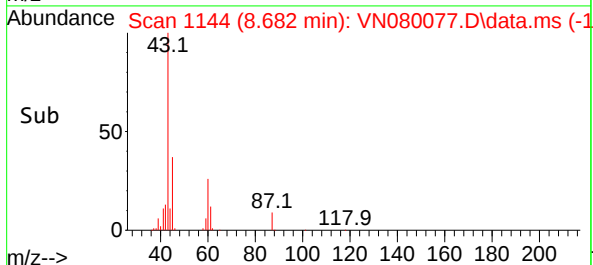
Tgt Ion: 117 Resp: 6176
Ion Ratio Lower Upper
117 100
119 8.4 77.3 115.9#
121 0.0 23.3 34.9#

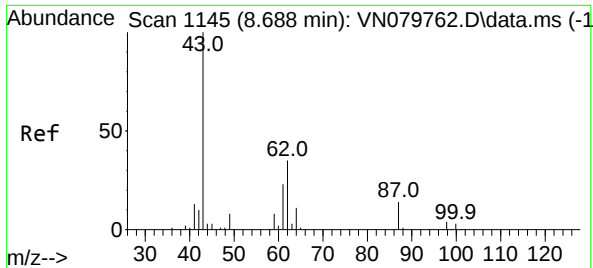


#42
1,2-Dichloroethane
Concen: 0.687 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36



Tgt Ion: 62 Resp: 1036
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

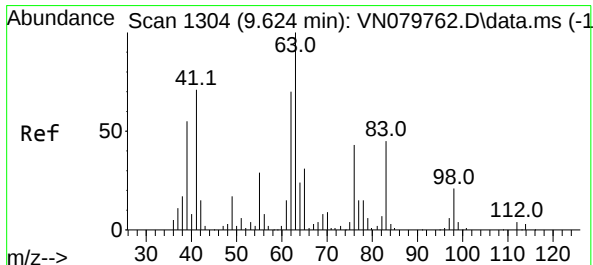
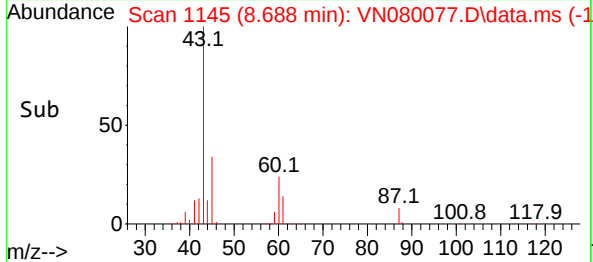
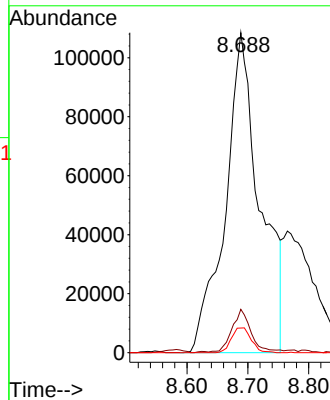
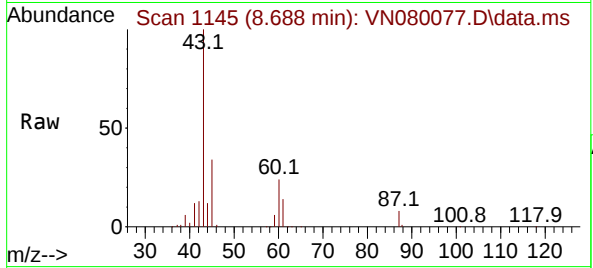




#43
Isopropyl Acetate
Concen: 185.075 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

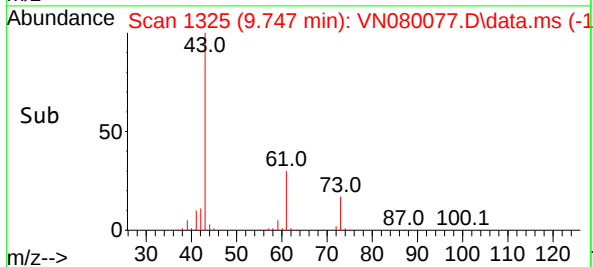
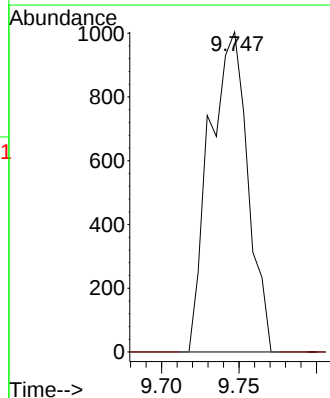
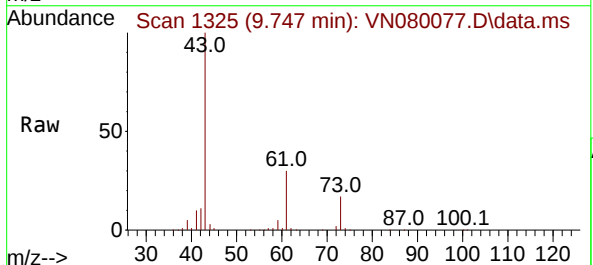
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#18

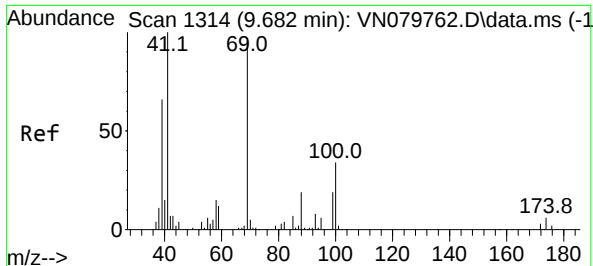
Tgt Ion: 43 Resp: 429327
Ion Ratio Lower Upper
43 100
61 7.6 24.7 37.1#
87 4.4 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 1.566 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

Tgt Ion: 63 Resp: 1729
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

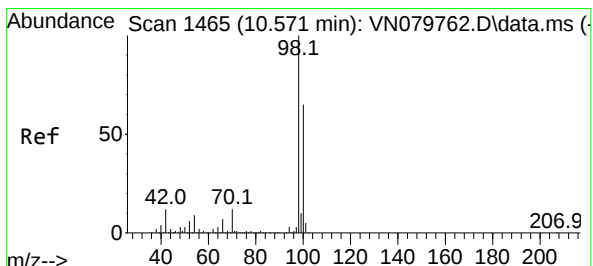
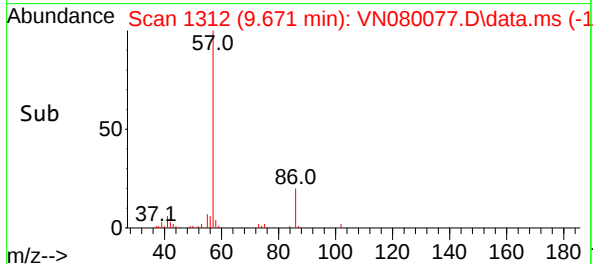
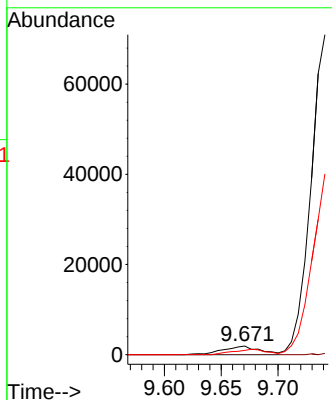
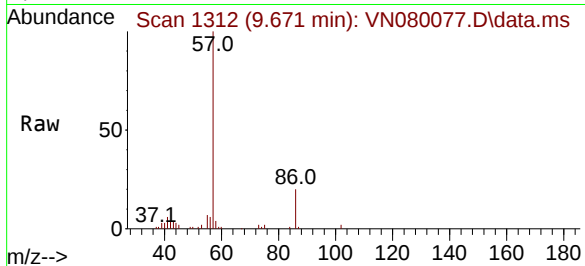




#48
Methyl methacrylate
Concen: 4.250 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

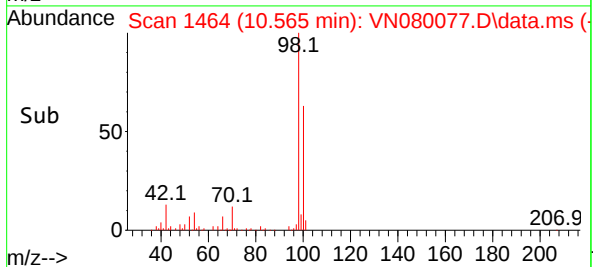
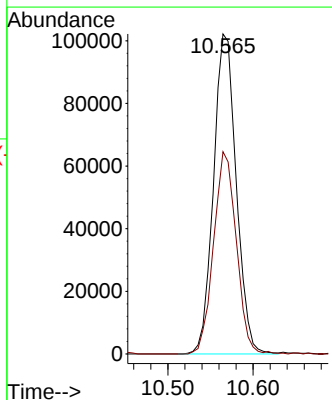
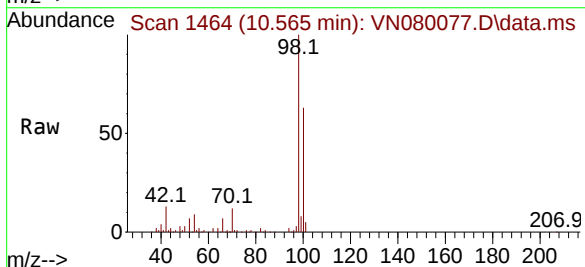
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#18

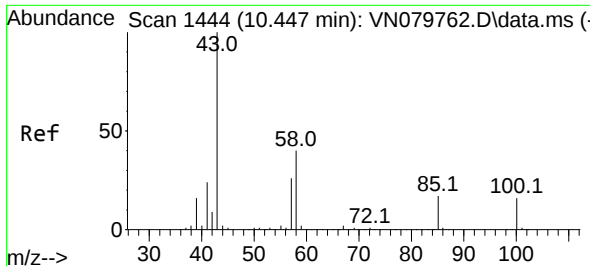
Tgt Ion: 41 Resp: 4318
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 55.7 54.6 81.8



#50
Toluene-d8
Concen: 50.933 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

Tgt Ion: 98 Resp: 189406
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0

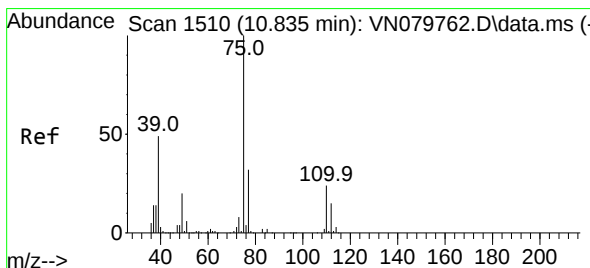
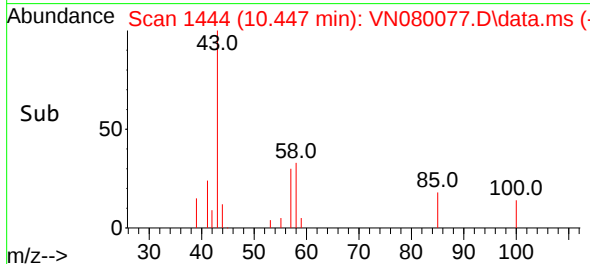
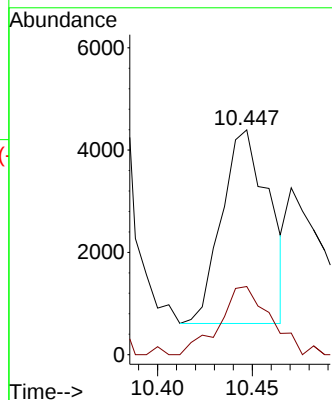
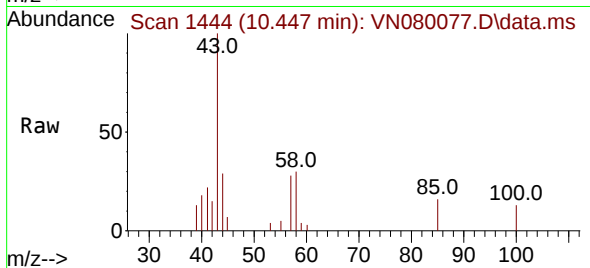




#51
4-Methyl-2-Pentanone
Concen: 5.022 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

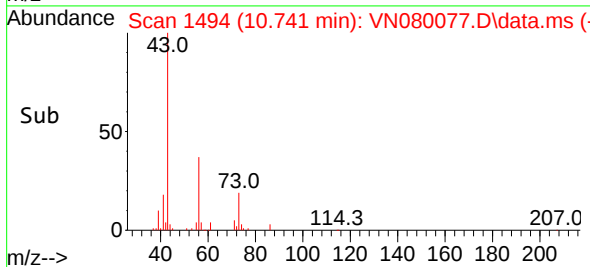
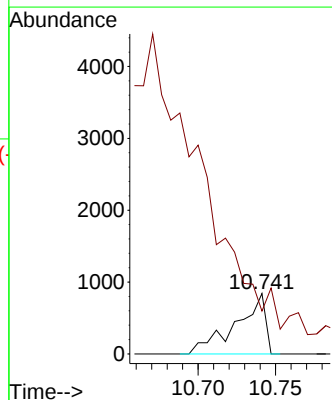
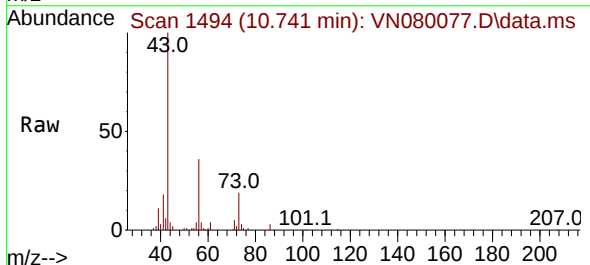
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#18

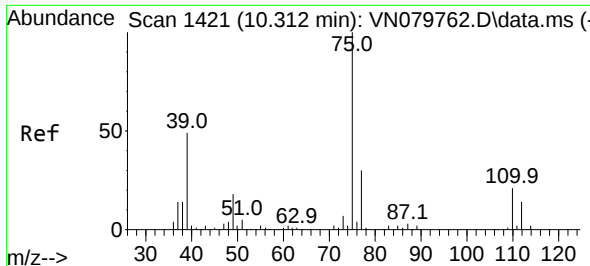
Tgt Ion: 43 Resp: 6559
Ion Ratio Lower Upper
43 100
58 38.3 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.702 ug/l
RT: 10.741 min Scan# 1494
Delta R.T. -0.100 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

Tgt Ion: 75 Resp: 1107
Ion Ratio Lower Upper
75 100
77 30.1 25.4 38.0

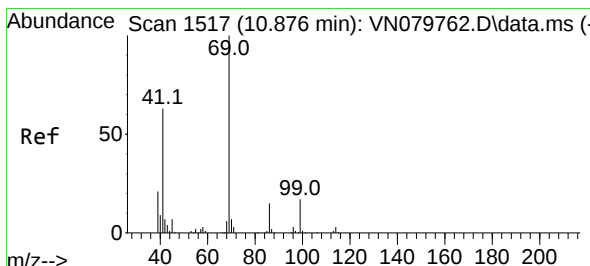
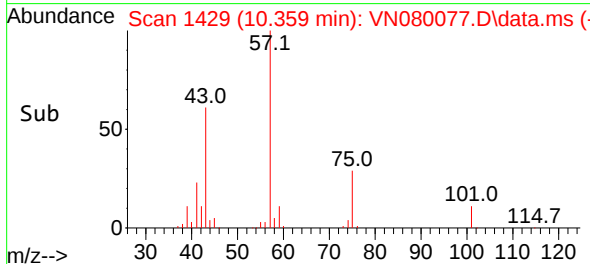
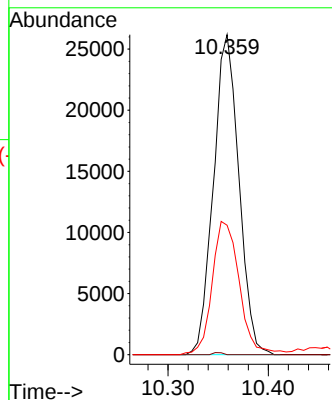
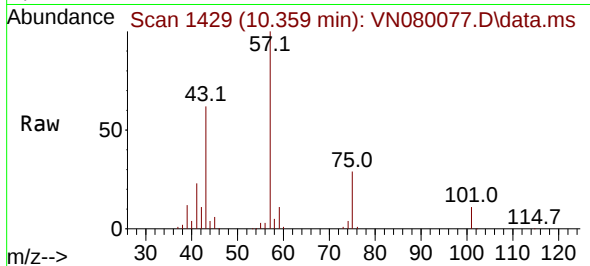




#54
 cis-1,3-Dichloropropene
 Concen: 26.800 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080077.D
 Acq: 14 Nov 2023 07:36

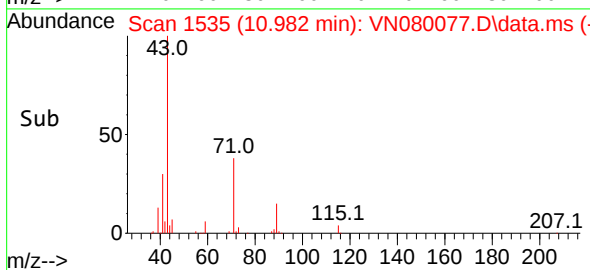
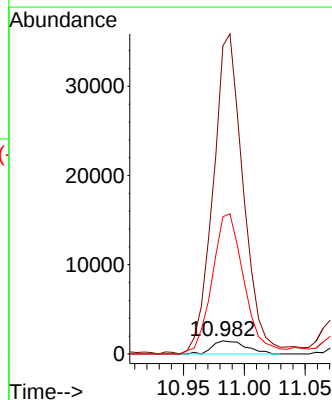
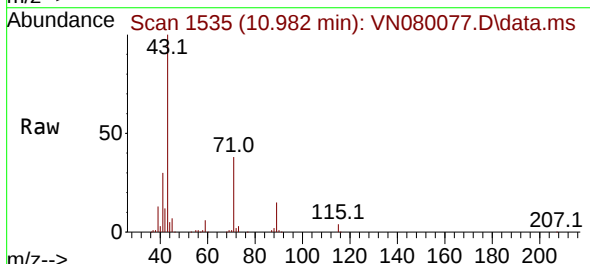
Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#18

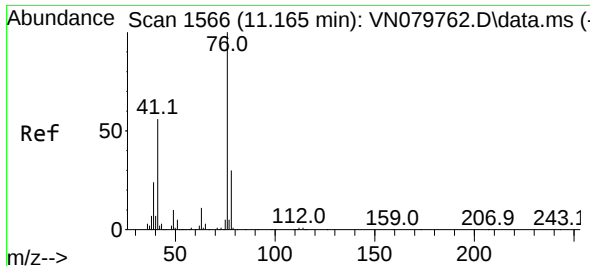
Tgt Ion: 75 Resp: 46037
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 40.4 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 1.926 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN080077.D
 Acq: 14 Nov 2023 07:36

Tgt Ion: 69 Resp: 2830
 Ion Ratio Lower Upper
 69 100
 41 2207.9 39.6 59.4#
 39 1015.5 28.6 43.0#

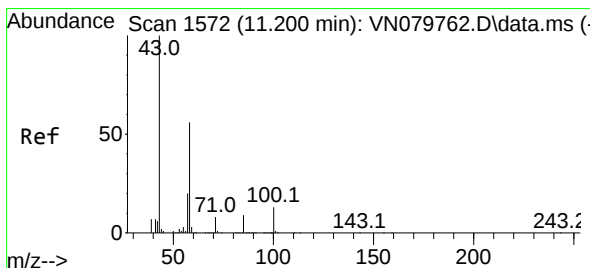
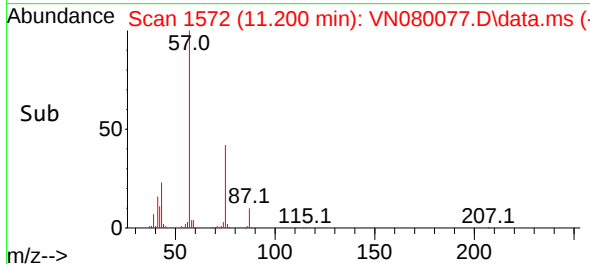
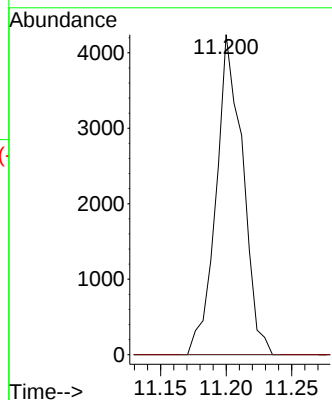
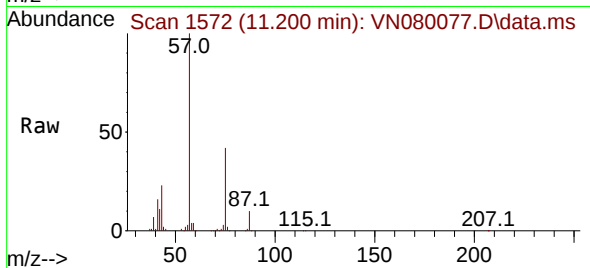




#57
1,3-Dichloropropane
Concen: 3.294 ug/l
RT: 11.200 min Scan# 1566
Delta R.T. 0.035 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

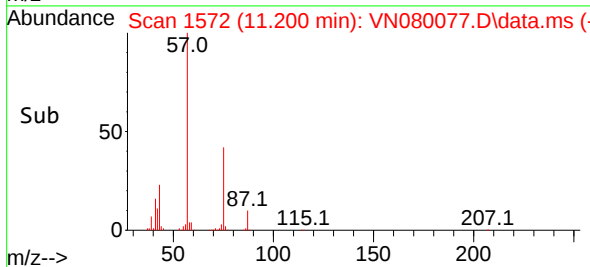
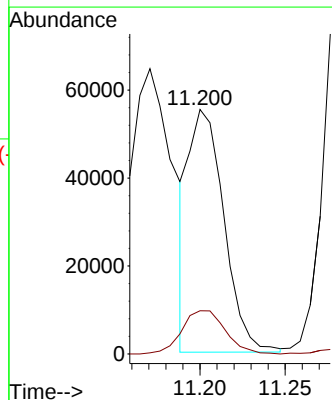
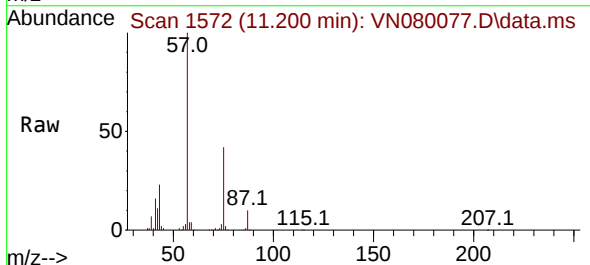
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#18

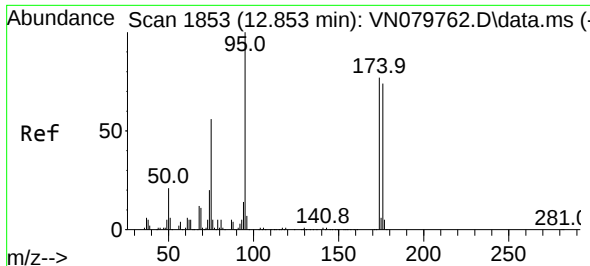
Tgt Ion: 76 Resp: 5981
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 79.788 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

Tgt Ion: 43 Resp: 79715
Ion Ratio Lower Upper
43 100
58 22.0 31.7 95.1#

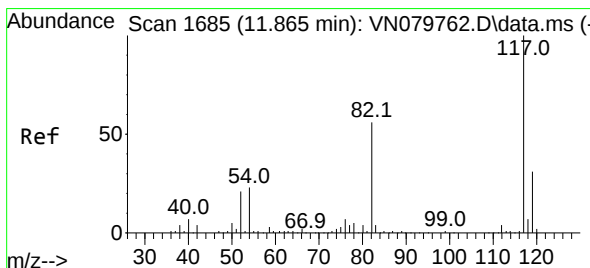
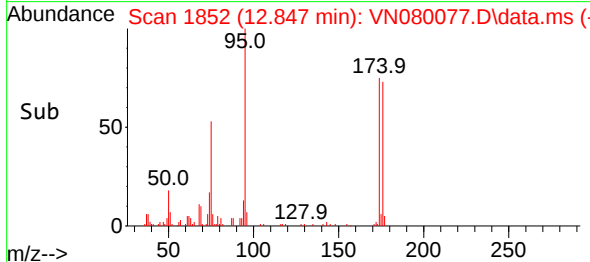
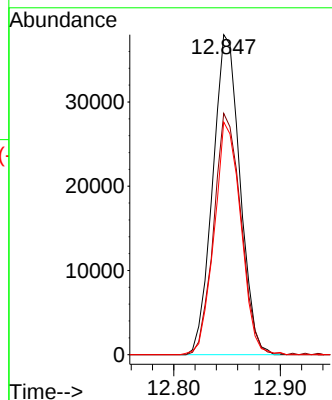
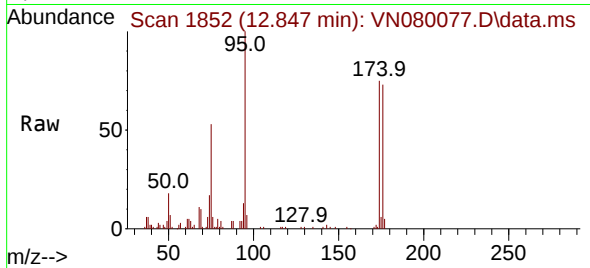




#62
4-Bromofluorobenzene
Concen: 54.725 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

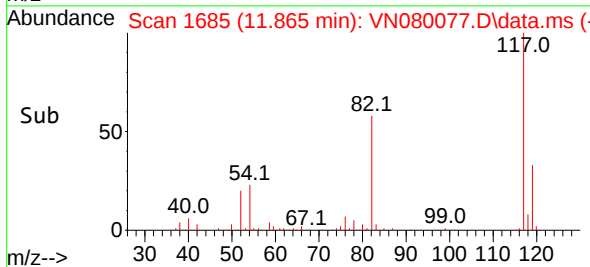
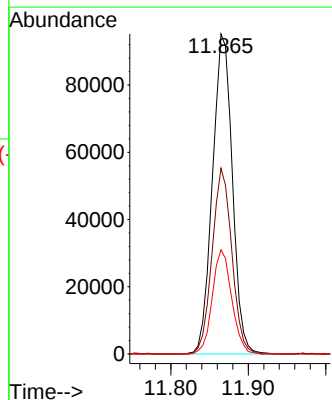
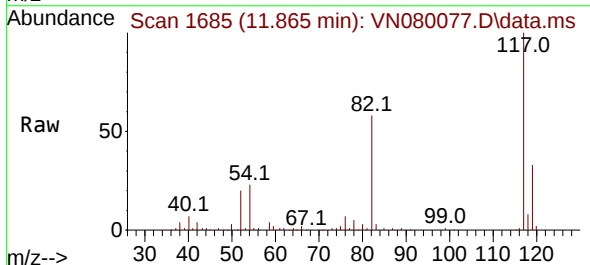
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#18

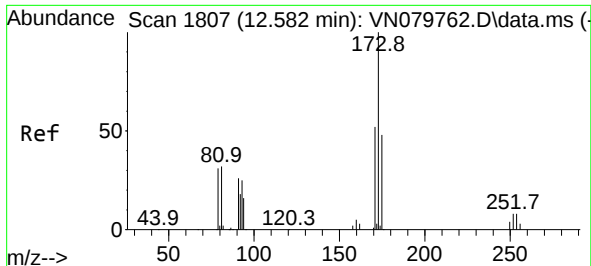
Tgt Ion: 95 Resp: 67493
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 71.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

Tgt Ion: 117 Resp: 169629
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 32.5 25.6 38.4





#71

Bromoform

Concen: 0.595 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN080077.D

Acq: 14 Nov 2023 07:36

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#18

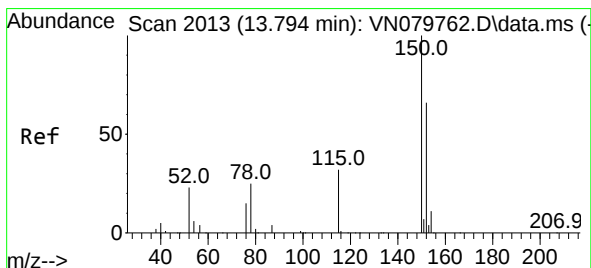
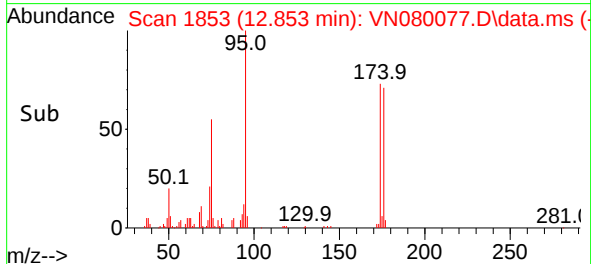
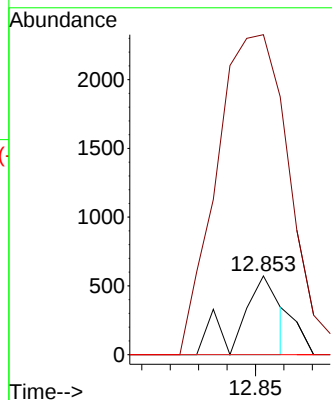
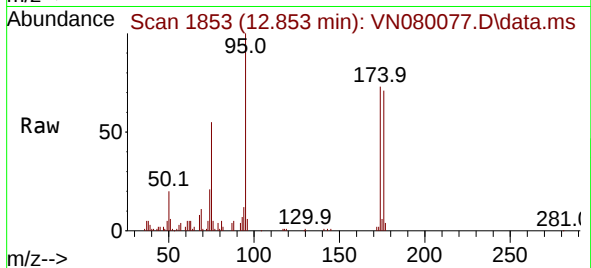
Tgt Ion:173 Resp: 560

Ion Ratio Lower Upper

173 100

175 651.1 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080077.D

Acq: 14 Nov 2023 07:36

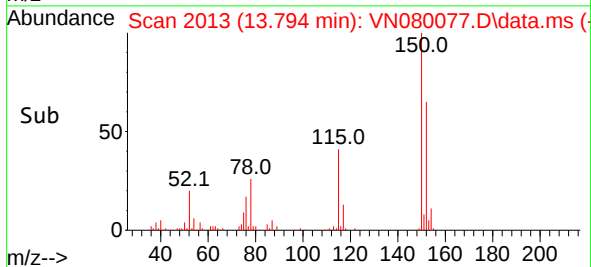
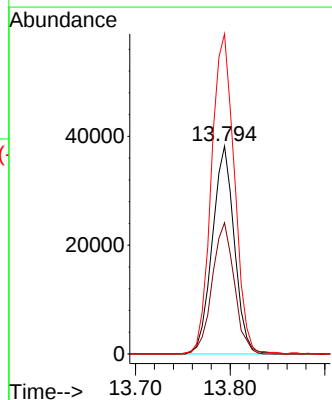
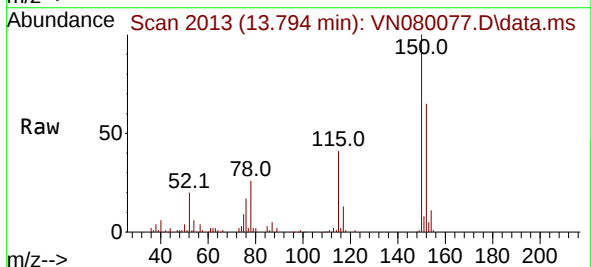
Tgt Ion:152 Resp: 61534

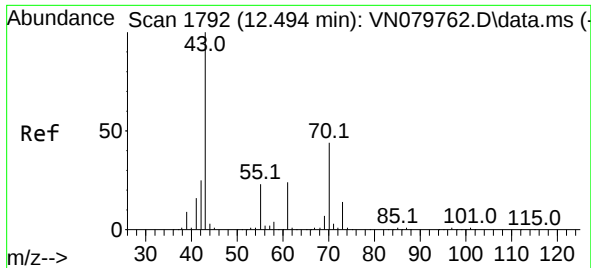
Ion Ratio Lower Upper

152 100

115 63.5 32.3 96.8

150 160.9 0.0 355.8

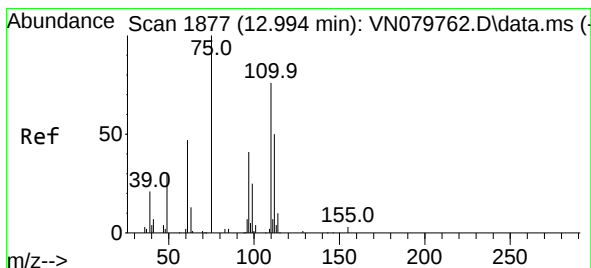
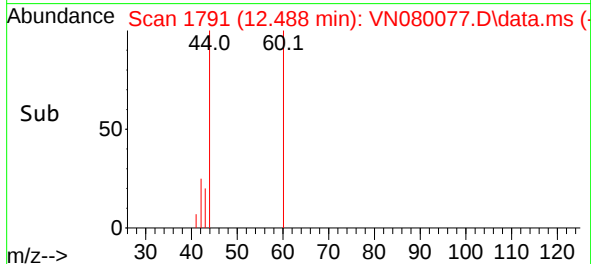
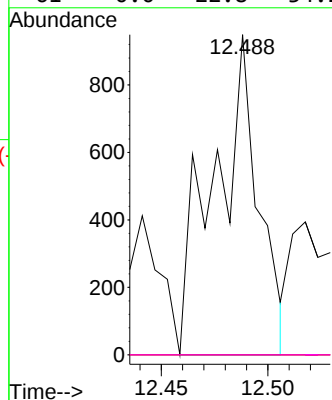
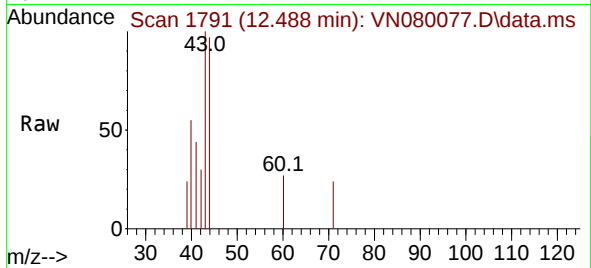




#74
N-amy1 acetate
Concen: 0.674 ug/l
RT: 12.488 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

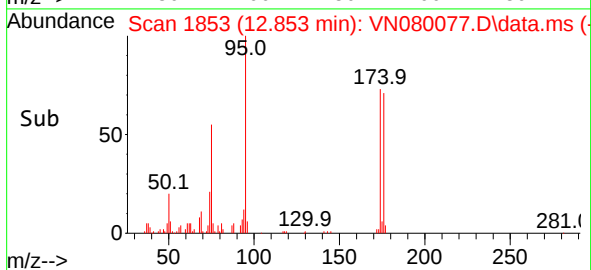
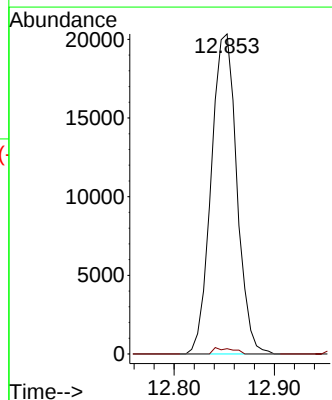
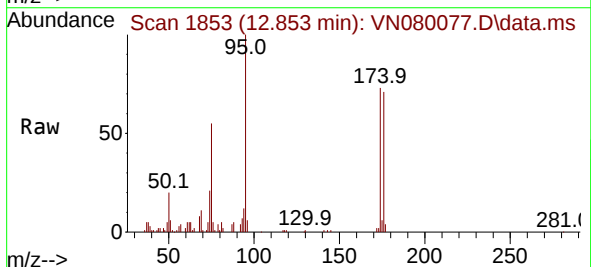
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#18

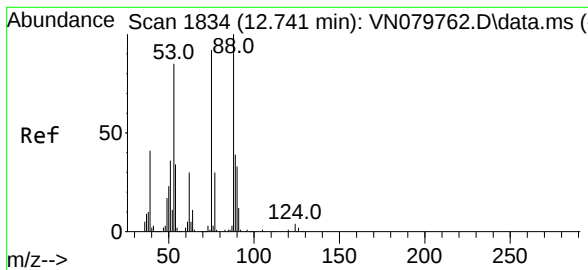
Tgt Ion: 43	Resp:	1374	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	0.0	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 25.010 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080077.D
Acq: 14 Nov 2023 07:36

Tgt Ion: 75	Resp:	36131	
Ion Ratio	Lower	Upper	
75	100		
77	1.5	84.5	253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.048 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN080077.D
 Acq: 14 Nov 2023 07:36

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#18

Tgt Ion: 75 Resp: 36131
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.4 101.2#
 89 0.0 38.8 58.2#

