

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080067.D
 Acq On : 13 Nov 2023 15:30
 Operator : JC\MD
 Sample : PB157075ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#08

Quant Time: Nov 14 19:24:48 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

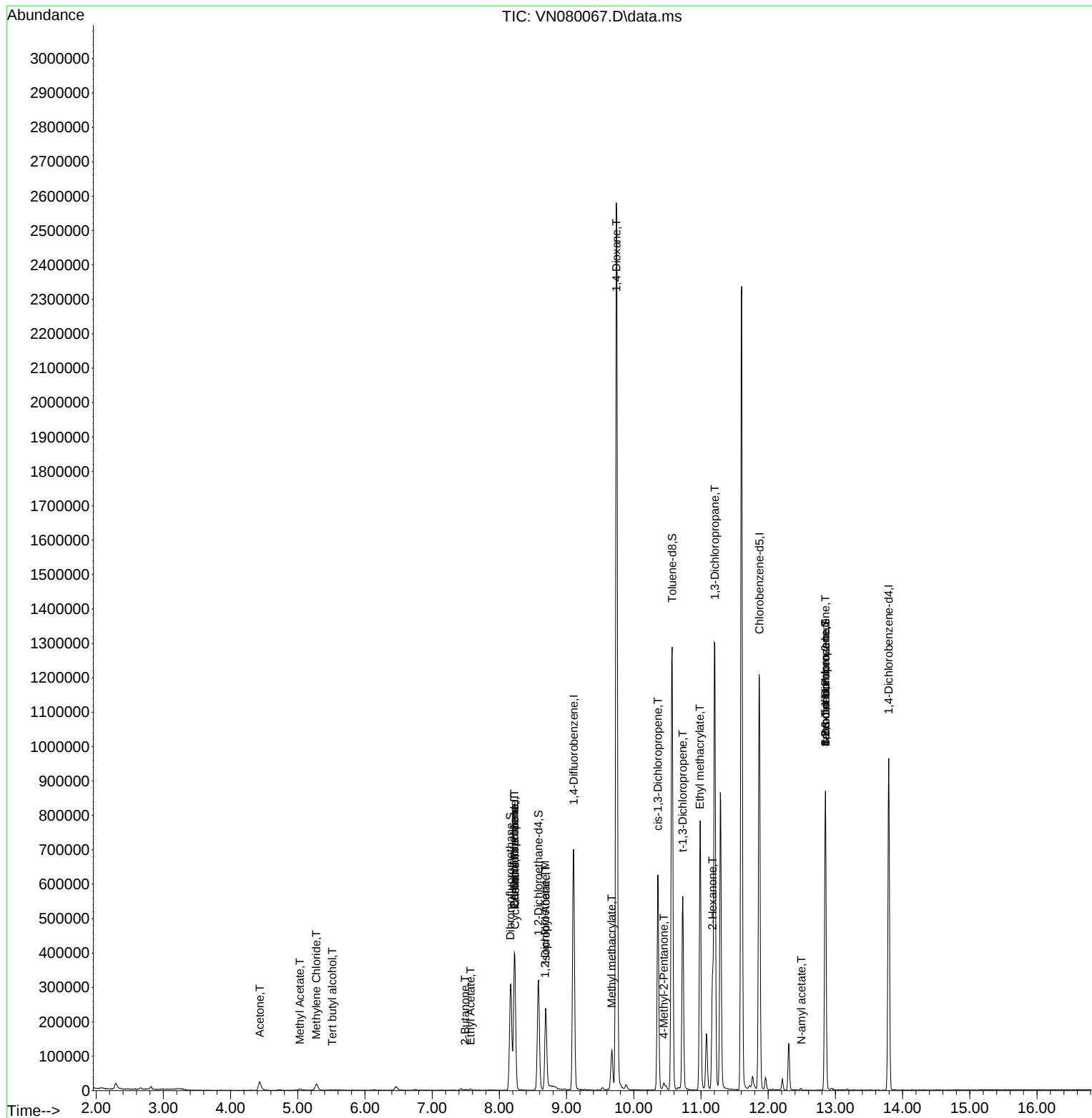
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	279775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	597844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	709848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	253256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	267107	62.665	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 125.320%#	
35) Dibromofluoromethane	8.165	113	227468	53.758	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.520%	
50) Toluene-d8	10.571	98	912418	58.575	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 117.140%#	
62) 4-Bromofluorobenzene	12.853	95	313743	60.731	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 121.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	850	Below Cal	#	42
11) Tert butyl alcohol	5.512	59	152	0.279	ug/l #	72
16) Acetone	4.436	43	48067	32.104	ug/l #	87
18) Methyl Acetate	5.030	43	3737	0.522	ug/l #	85
20) Methylene Chloride	5.277	84	14035	3.715	ug/l	90
25) 2-Butanone	7.488	43	3769	1.719	ug/l #	79
31) Cyclohexane	8.235	56	6795	1.206	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	24532	4.061	ug/l #	42
37) Ethyl Acetate	7.571	43	6131	1.107	ug/l #	76
38) Carbon Tetrachloride	8.224	117	32086	5.270	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	2185	0.346	ug/l #	73
43) Isopropyl Acetate	8.688	43	264545	27.225	ug/l #	82
48) Methyl methacrylate	9.671	41	7594	1.784	ug/l #	28
49) 1,4-Dioxane	9.741	88	569	7.566	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12979	2.373	ug/l	90
53) t-1,3-Dichloropropene	10.729	75	1480	0.224	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	112117	15.581	ug/l #	66
56) Ethyl methacrylate	10.982	69	4073	0.662	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	15253	2.005	ug/l #	42
59) 2-Hexanone	11.171	43	261699	62.533	ug/l #	19
71) Bromoform	12.853	173	1852	0.470	ug/l #	1
74) N-amyl acetate	12.494	43	2314	0.276	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	155046	26.077	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	155046	70.949	ug/l #	15

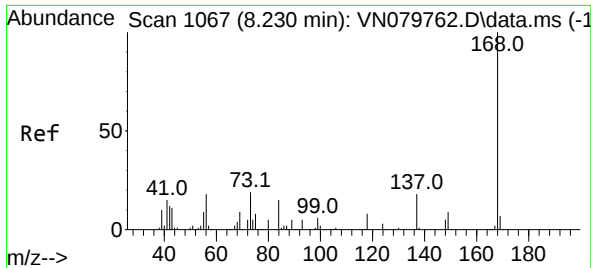
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 02 05:49:08 2023
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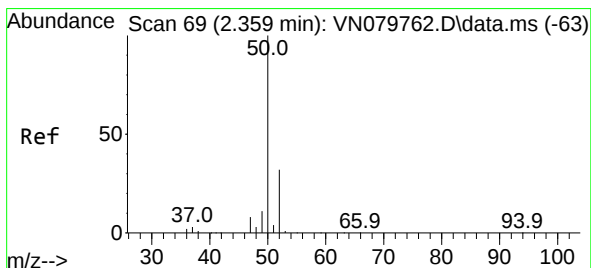
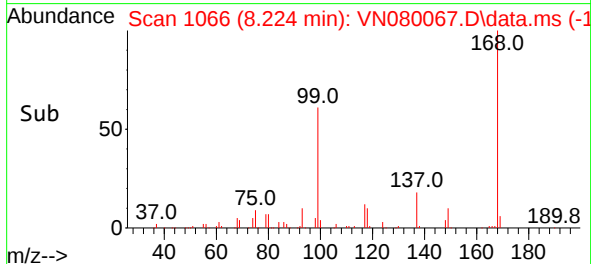
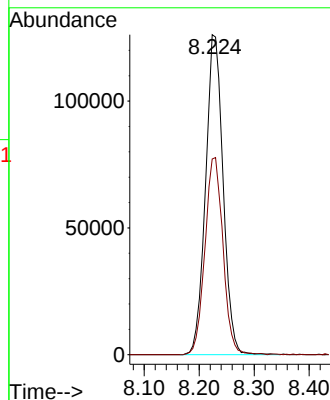
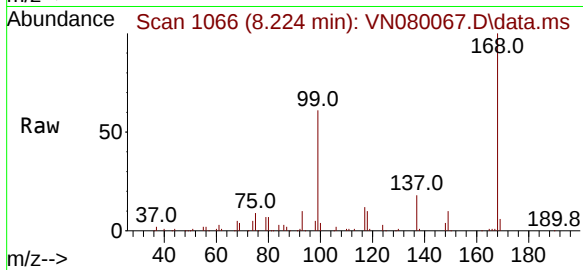




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

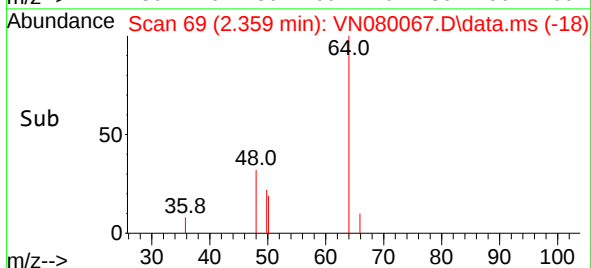
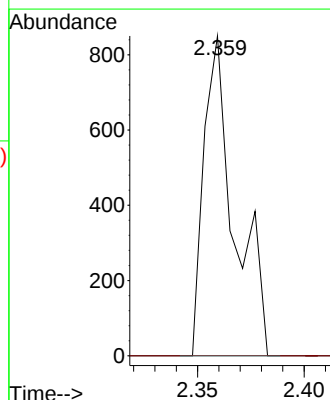
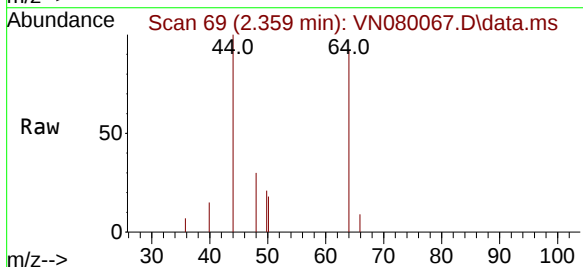
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#08

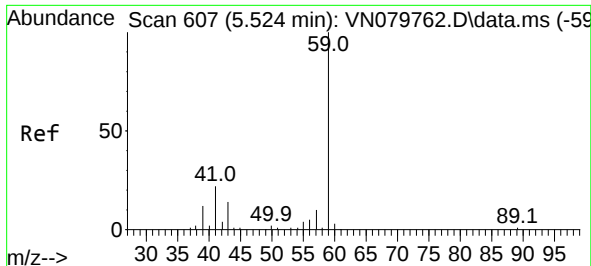
Tgt Ion:168 Resp: 279775
Ion Ratio Lower Upper
168 100
99 61.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

Tgt Ion: 50 Resp: 850
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

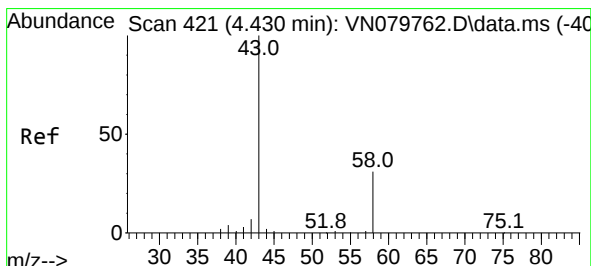
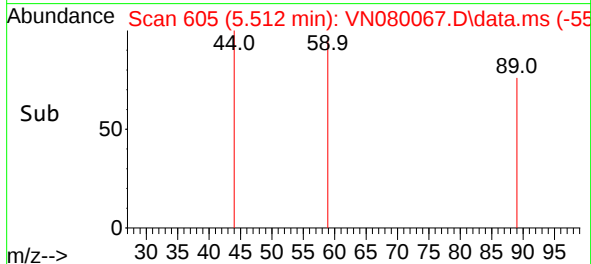
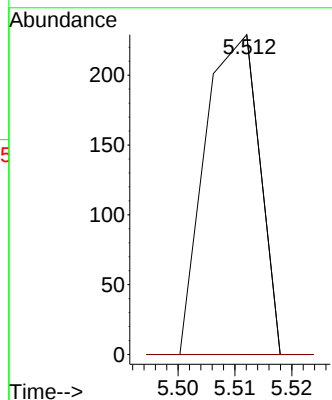
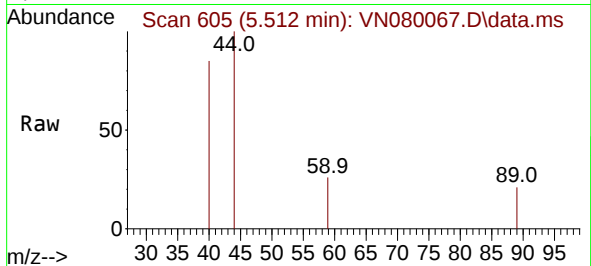




#11
Tert butyl alcohol
Concen: 0.279 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

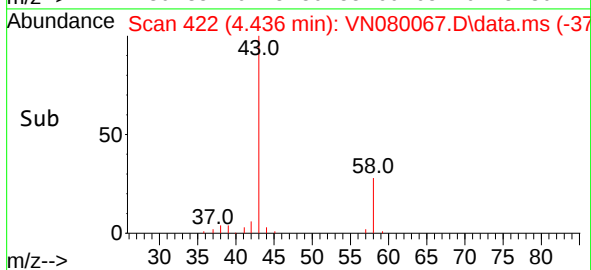
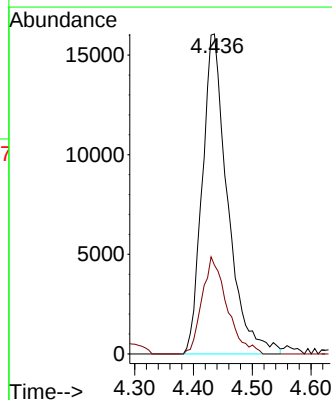
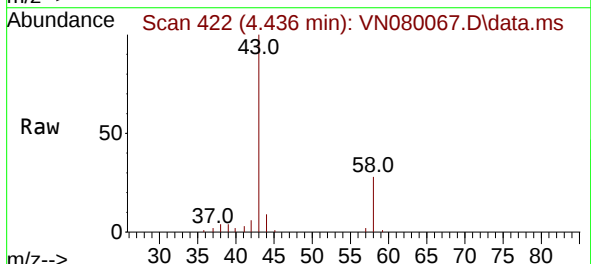
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#08

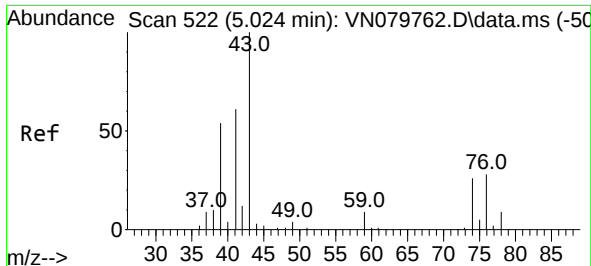
Tgt Ion: 59 Resp: 152
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 32.104 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

Tgt Ion: 43 Resp: 48067
Ion Ratio Lower Upper
43 100
58 27.7 28.0 42.0#

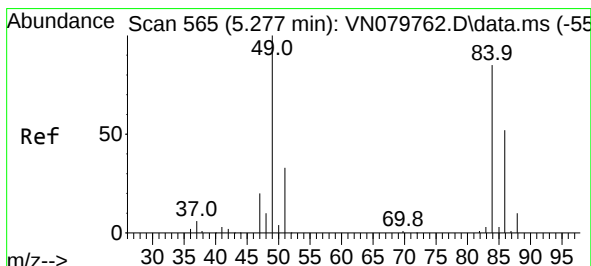
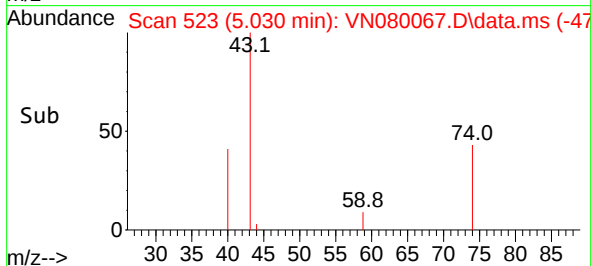
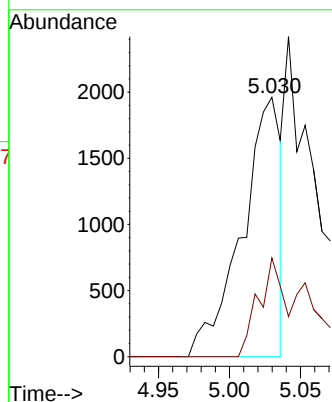
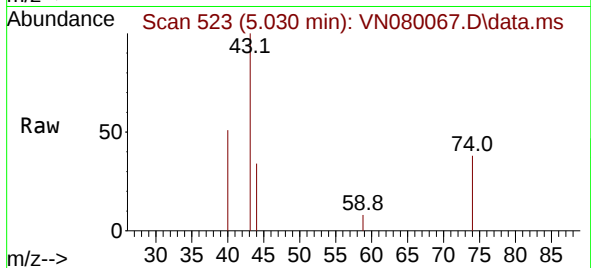




#18
Methyl Acetate
Concen: 0.522 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

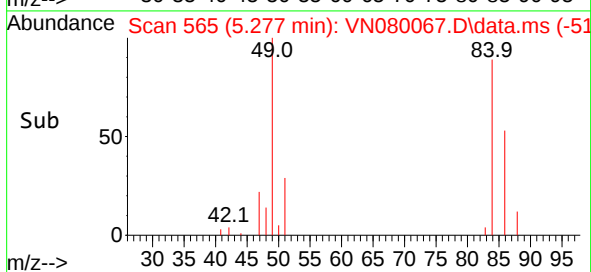
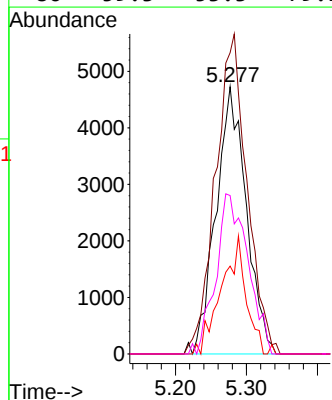
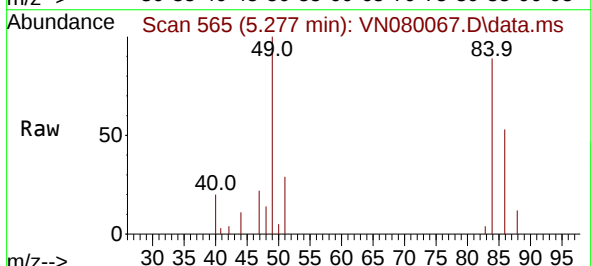
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#08

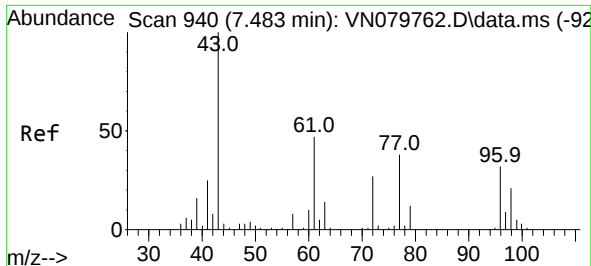
Tgt Ion: 43 Resp: 3737
Ion Ratio Lower Upper
43 100
74 24.5 26.2 39.4#



#20
Methylene Chloride
Concen: 3.715 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

Tgt Ion: 84 Resp: 14035
Ion Ratio Lower Upper
84 100
49 112.7 79.7 119.5
51 32.9 25.2 37.8
86 59.3 53.3 79.9

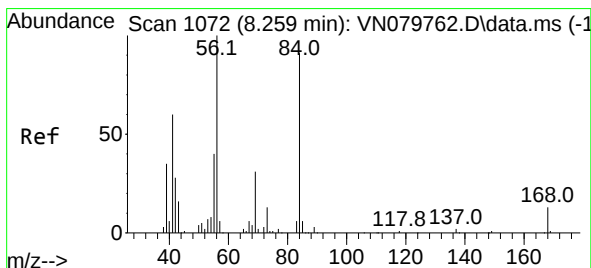
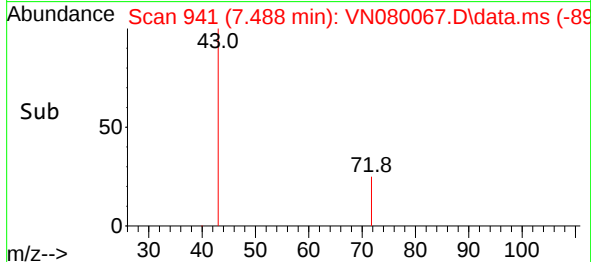
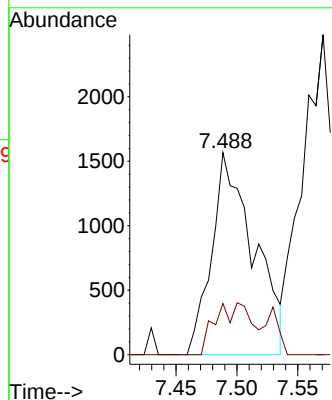
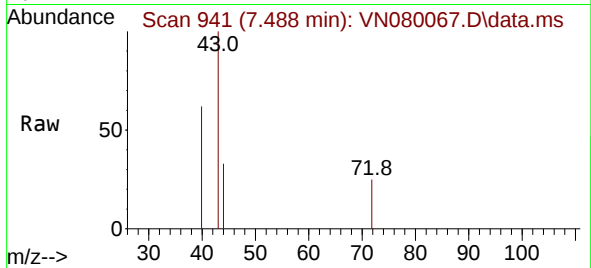




#25
2-Butanone
Concen: 1.719 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

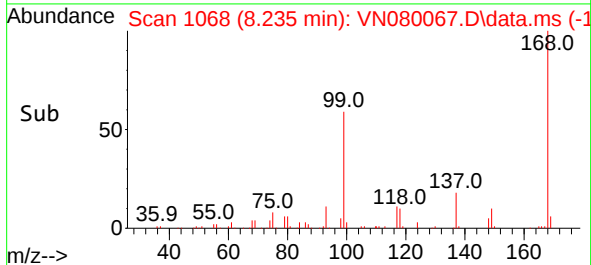
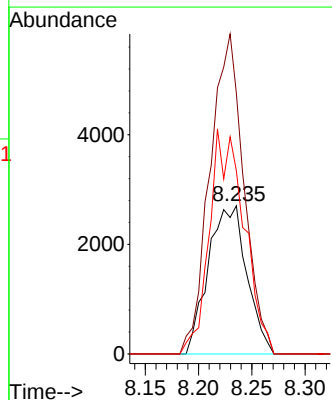
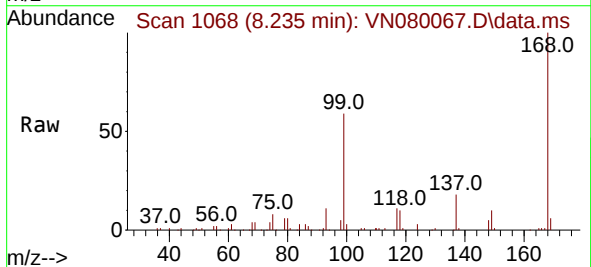
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#08

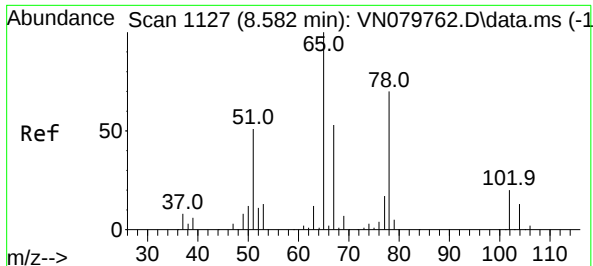
Tgt Ion: 43 Resp: 3769
Ion Ratio Lower Upper
43 100
72 25.3 30.2 45.2#



#31
Cyclohexane
Concen: 1.206 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.023 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

Tgt Ion: 56 Resp: 6795
Ion Ratio Lower Upper
56 100
69 176.1 26.8 40.2#
84 123.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 62.665 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080067.D

Acq: 13 Nov 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

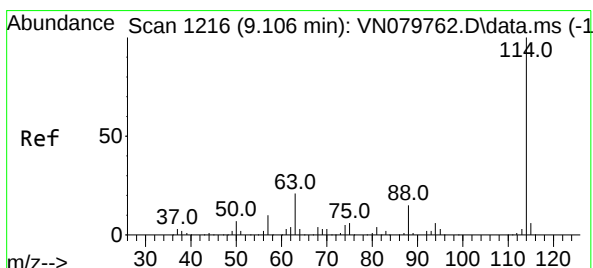
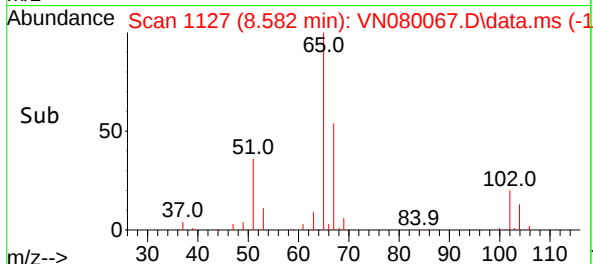
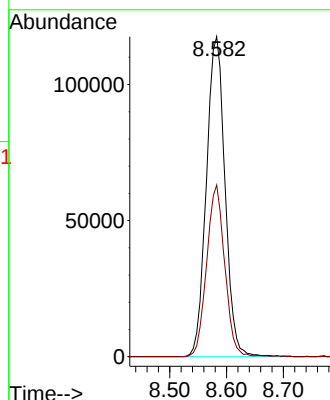
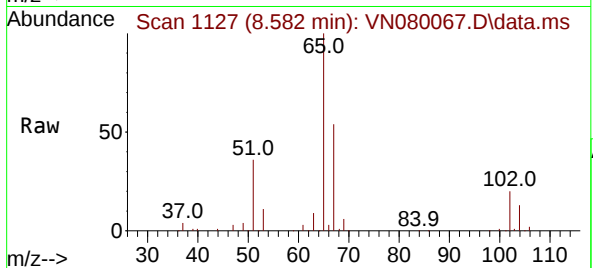
PB157075ZHE#08

Tgt Ion: 65 Resp: 267107

Ion Ratio Lower Upper

65 100

67 51.9 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: VN080067.D

Acq: 13 Nov 2023 15:30

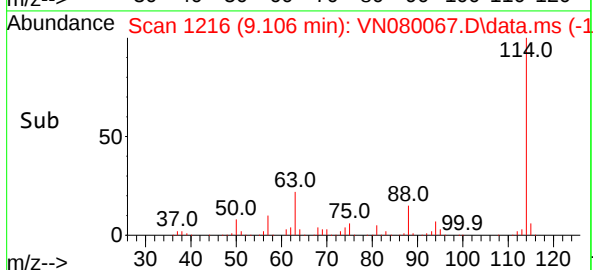
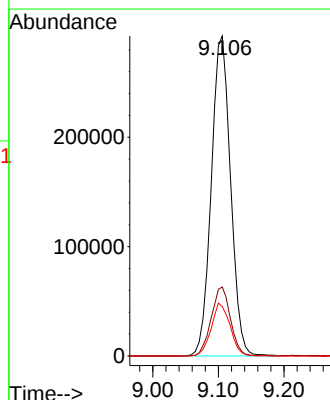
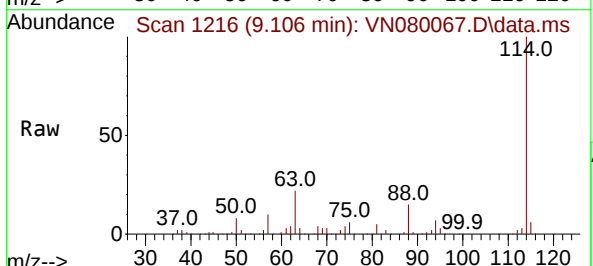
Tgt Ion: 114 Resp: 597844

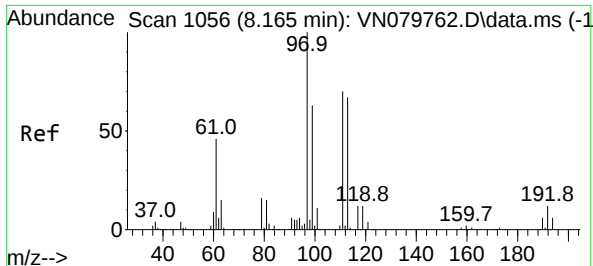
Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 15.4 0.0 30.6

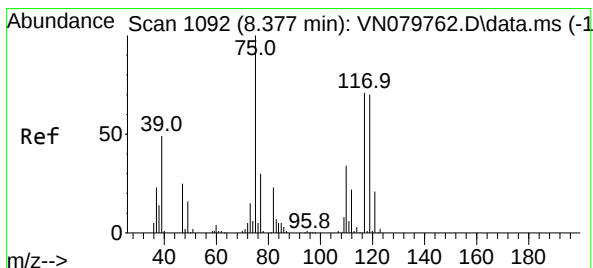
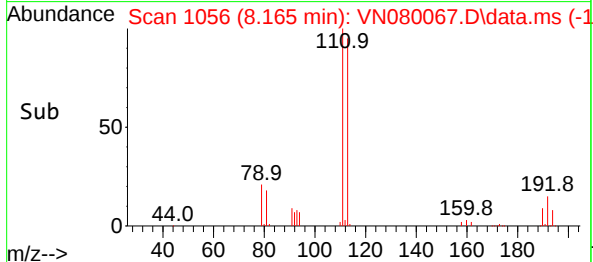
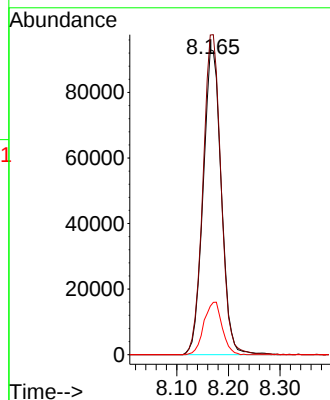
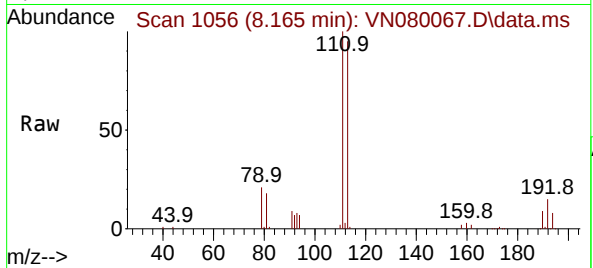




#35
Dibromofluoromethane
Concen: 53.758 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

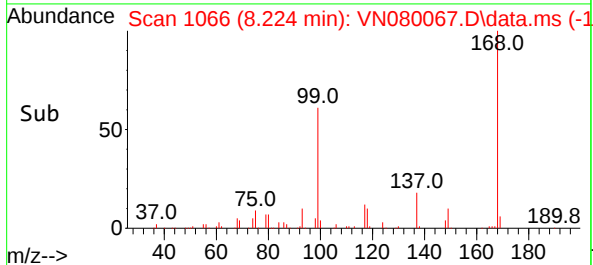
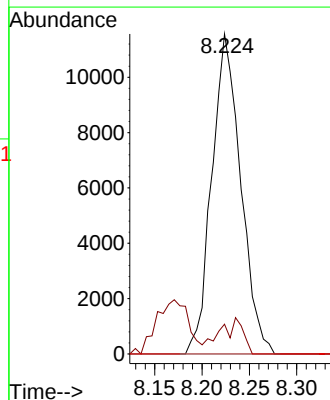
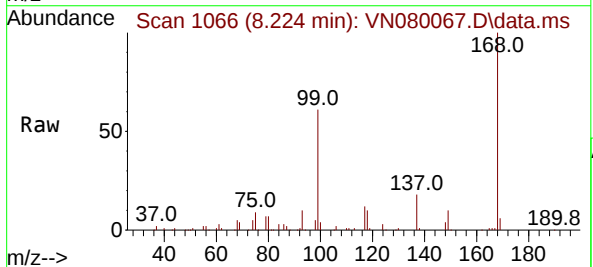
Instrument :
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PB157075ZHE#08

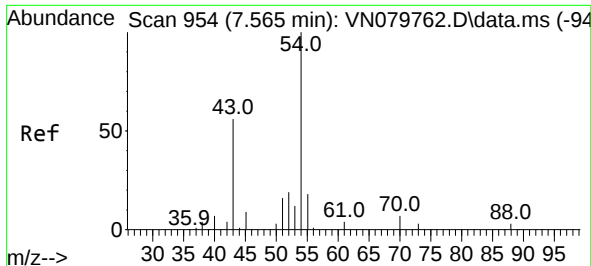
Tgt Ion:113 Resp: 227468
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 17.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.061 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

Tgt Ion: 75 Resp: 24532
Ion Ratio Lower Upper
75 100
110 2.7 19.1 57.3#
77 0.0 25.0 37.4#

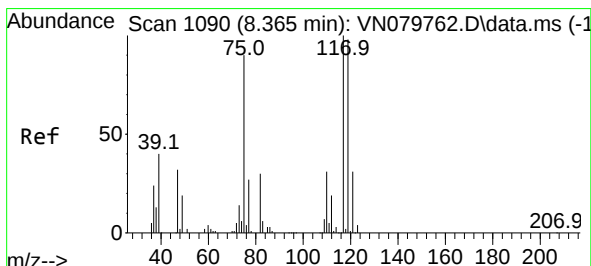
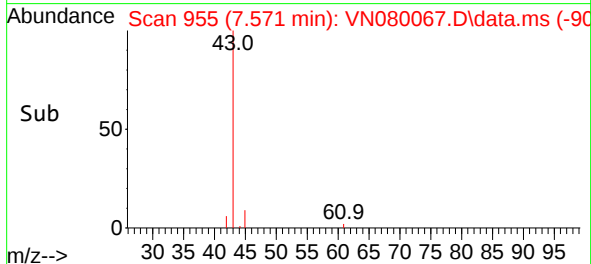
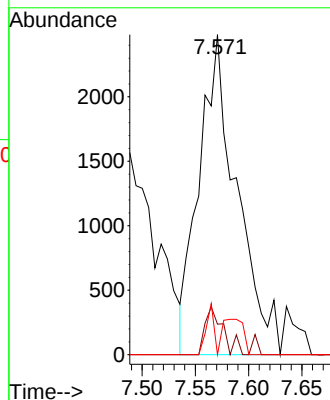
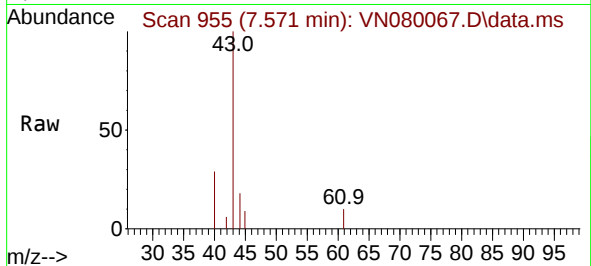




#37
Ethyl Acetate
Concen: 1.107 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

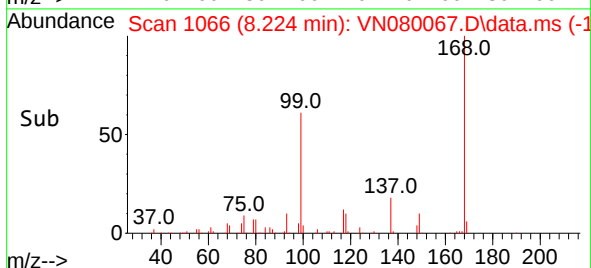
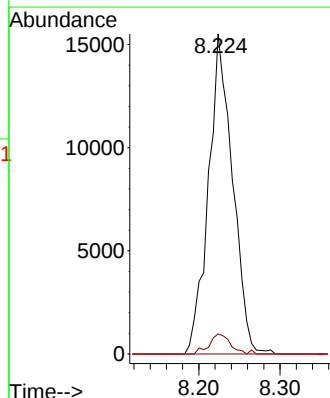
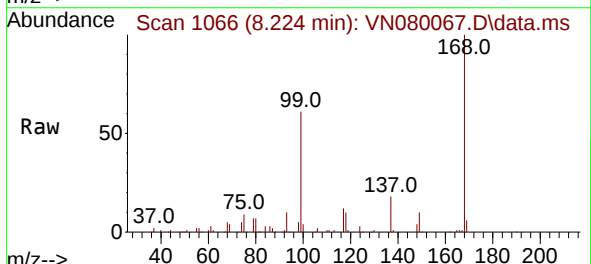
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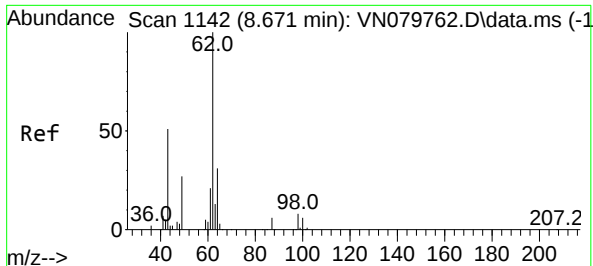
Tgt Ion: 43 Resp: 6131
Ion Ratio Lower Upper
43 100
61 7.2 13.2 19.8#
70 3.2 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.270 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

Tgt Ion: 117 Resp: 32086
Ion Ratio Lower Upper
117 100
119 6.3 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.346 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN080067.D

Acq: 13 Nov 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

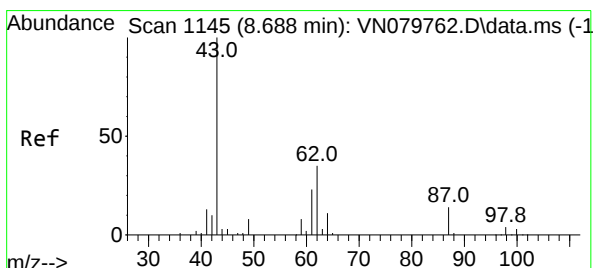
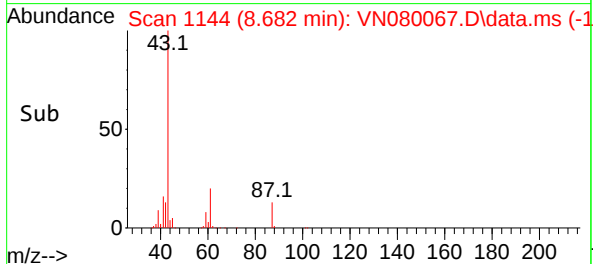
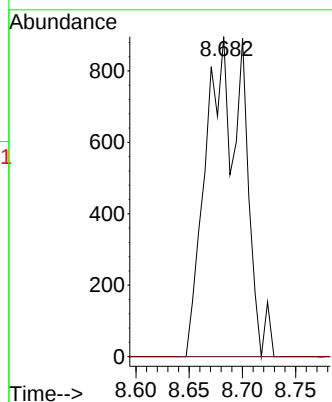
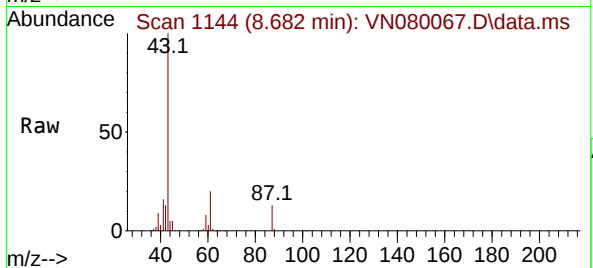
PB157075ZHE#08

Tgt Ion: 62 Resp: 2185

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 27.225 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080067.D

Acq: 13 Nov 2023 15:30

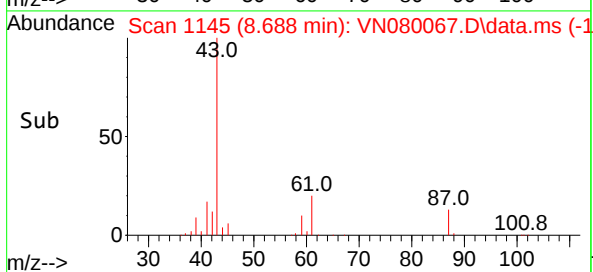
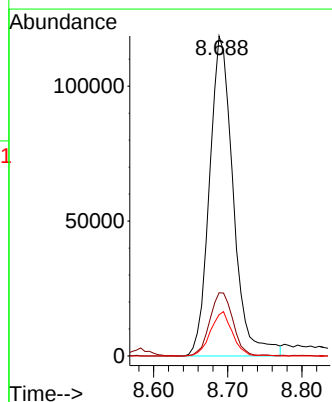
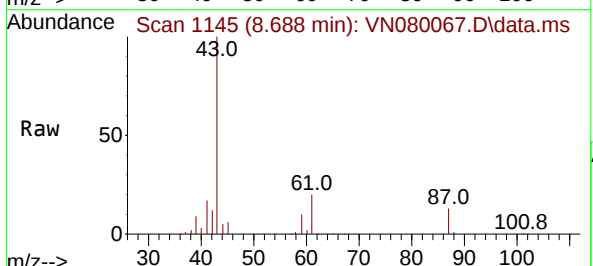
Tgt Ion: 43 Resp: 264545

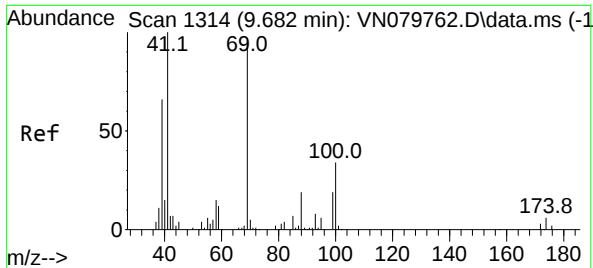
Ion Ratio Lower Upper

43 100

61 19.4 24.7 37.1#

87 12.6 14.6 21.8#

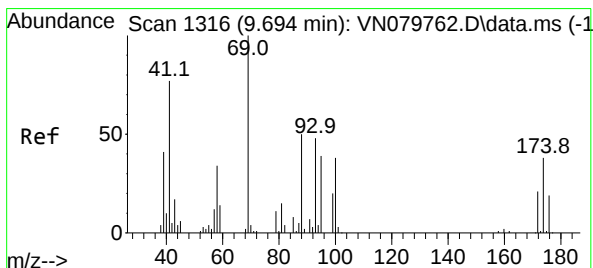
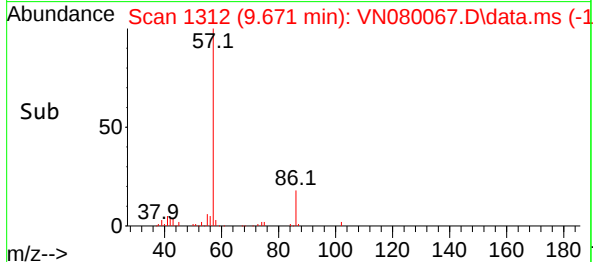
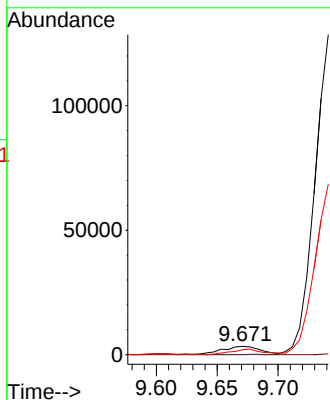
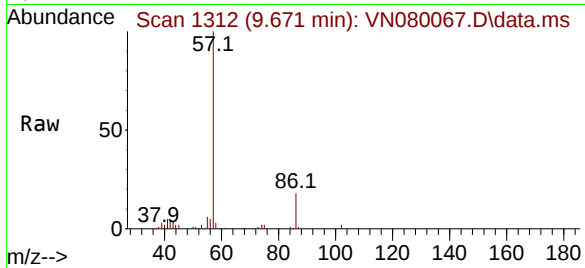




#48
Methyl methacrylate
Concen: 1.784 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

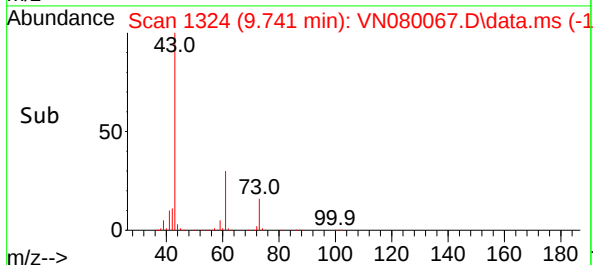
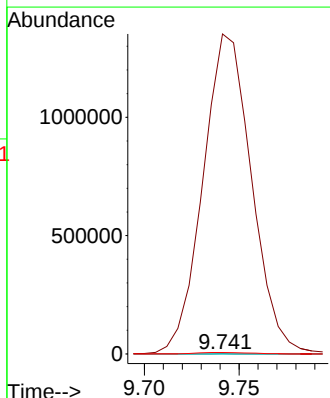
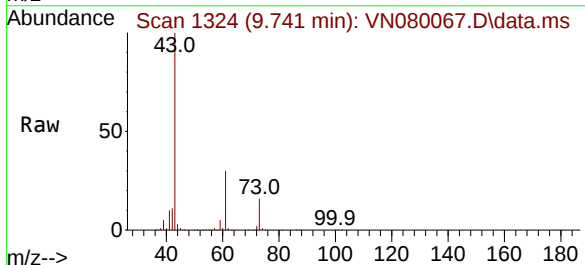
Instrument : MSVOA_N
ClientSampleId : PB157075ZHE#08

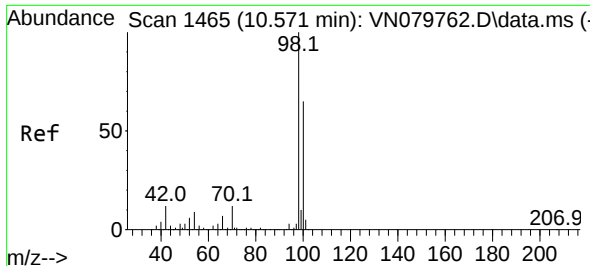
Tgt Ion: 41 Resp: 7594
Ion Ratio Lower Upper
41 100
69 1.5 90.4 135.6#
39 52.9 54.6 81.8#



#49
1,4-Dioxane
Concen: 7.566 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

Tgt Ion: 88 Resp: 569
Ion Ratio Lower Upper
88 100
43 427516.0 17.0 25.6#
58 2320.2 47.0 70.4#

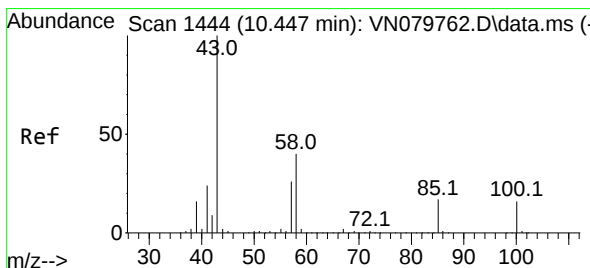
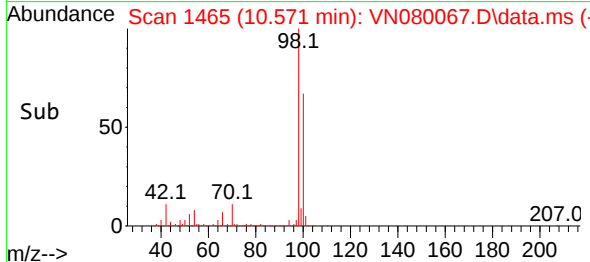
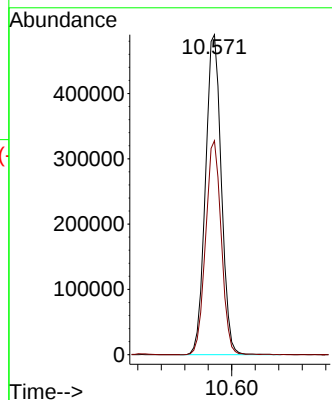
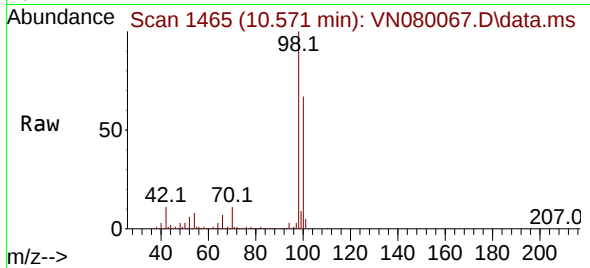




#50
Toluene-d8
Concen: 58.575 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

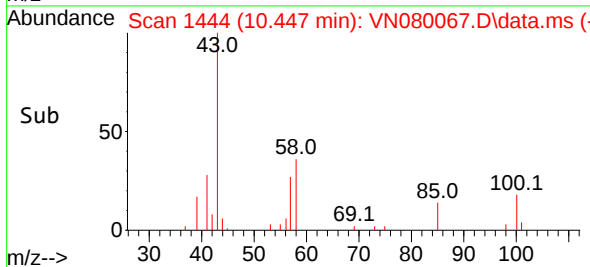
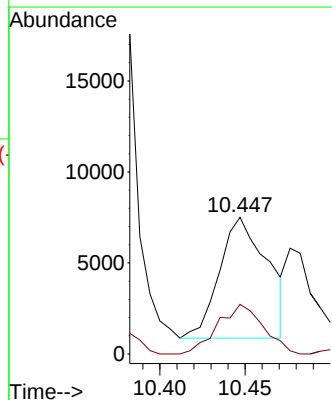
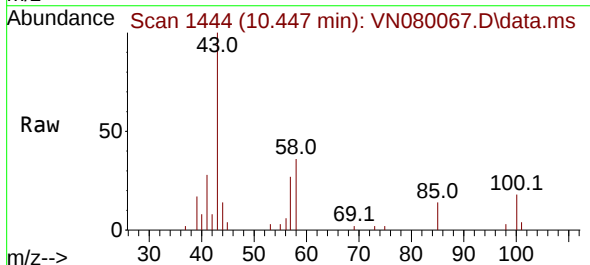
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#08

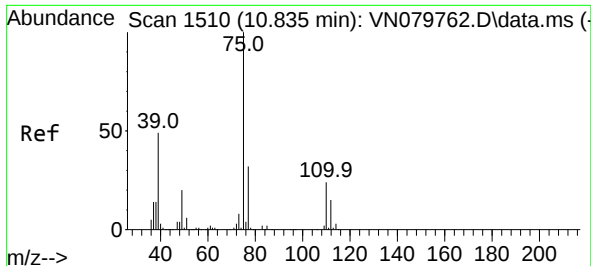
Tgt Ion: 98 Resp: 912418
Ion Ratio Lower Upper
98 100
100 66.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.373 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

Tgt Ion: 43 Resp: 12979
Ion Ratio Lower Upper
43 100
58 39.0 36.6 54.8





#53

t-1,3-Dichloropropene

Concen: 0.224 ug/l

RT: 10.729 min Scan# 1492

Delta R.T. -0.112 min

Lab File: VN080067.D

Acq: 13 Nov 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

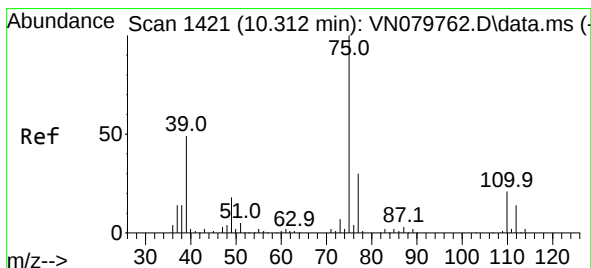
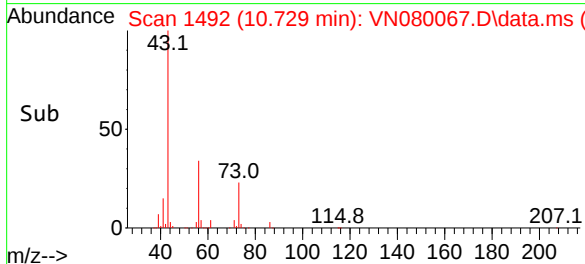
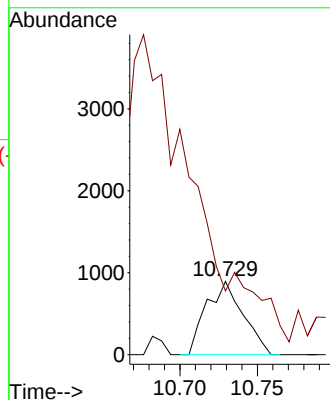
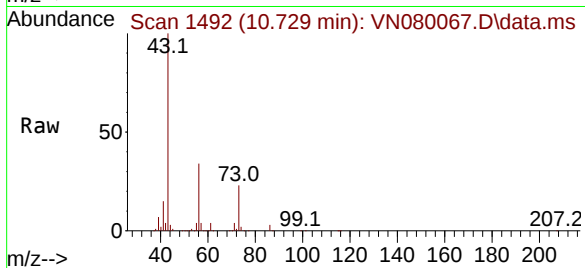
PB157075ZHE#08

Tgt Ion: 75 Resp: 1480

Ion Ratio Lower Upper

75 100

77 47.7 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 15.581 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.041 min

Lab File: VN080067.D

Acq: 13 Nov 2023 15:30

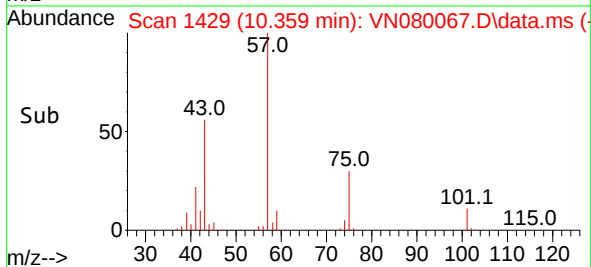
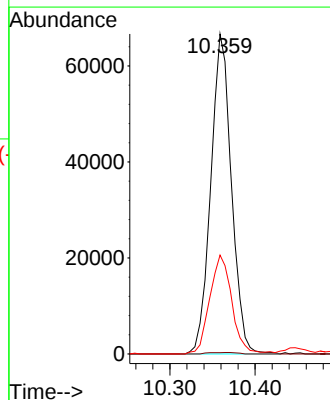
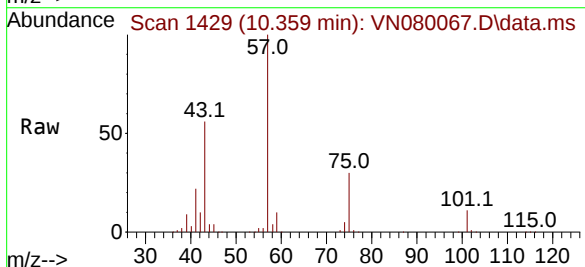
Tgt Ion: 75 Resp: 112117

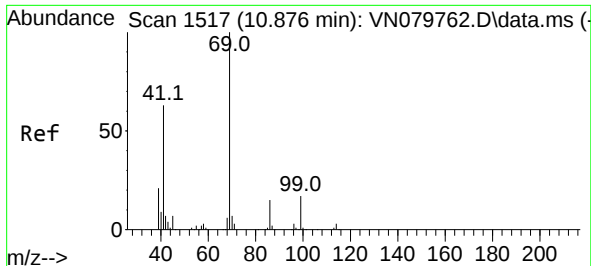
Ion Ratio Lower Upper

75 100

77 0.4 26.1 39.1#

39 30.9 31.6 47.4#

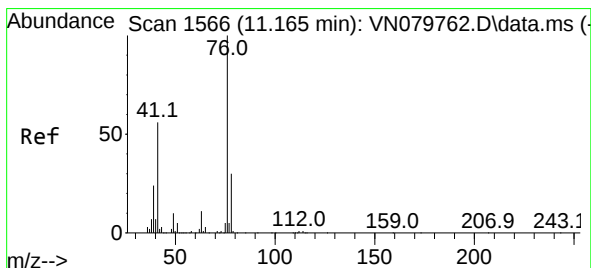
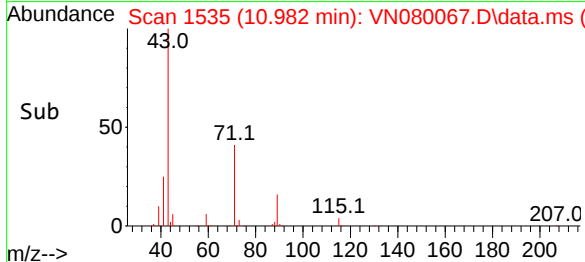
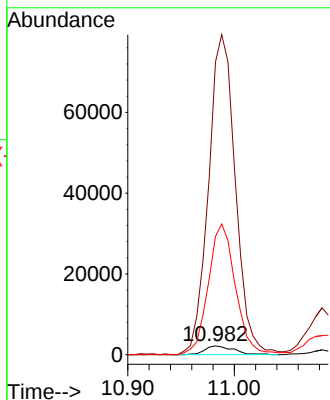
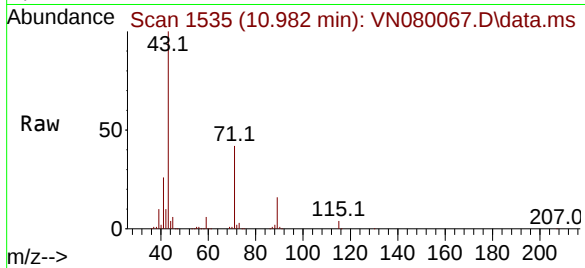




#56
Ethyl methacrylate
Concen: 0.662 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

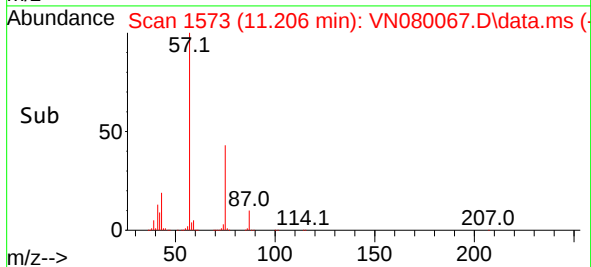
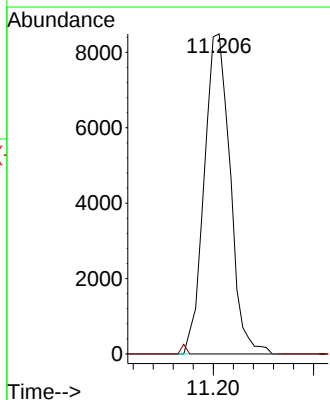
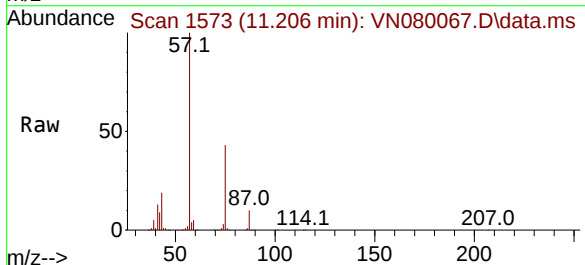
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#08

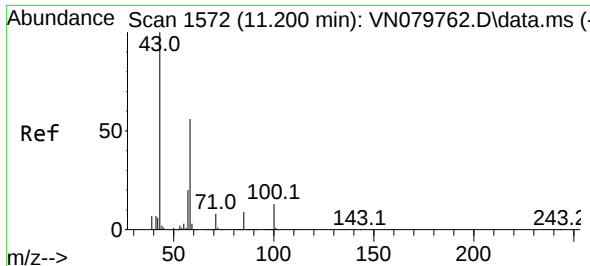
Tgt Ion: 69 Resp: 4073
Ion Ratio Lower Upper
69 100
41 3427.3 39.6 59.4#
39 1405.0 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 2.005 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

Tgt Ion: 76 Resp: 15253
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

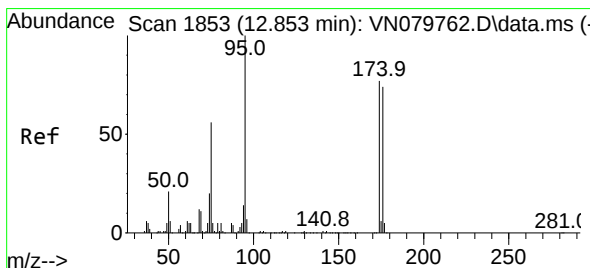
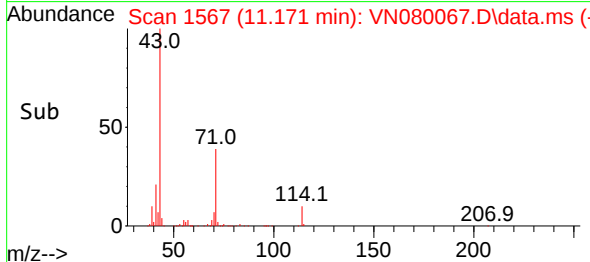
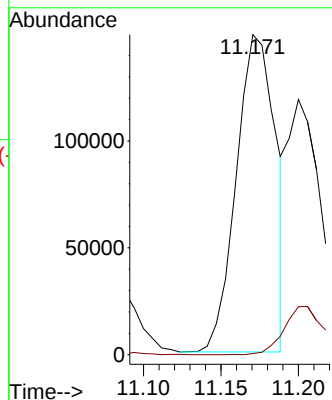
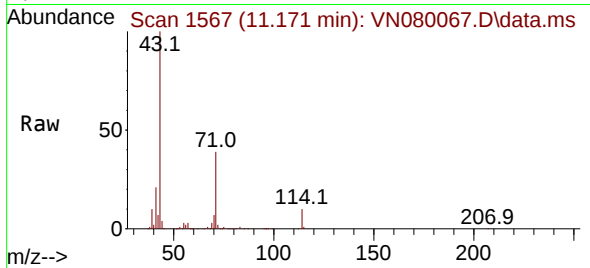




#59
2-Hexanone
Concen: 62.533 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.029 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

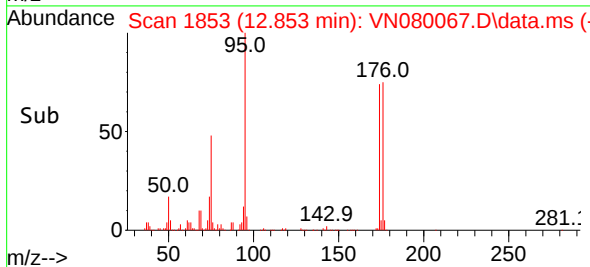
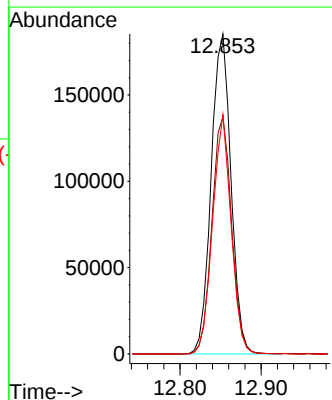
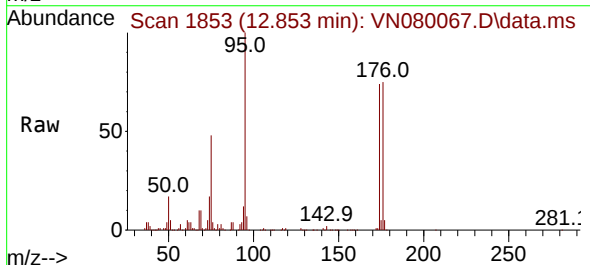
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#08

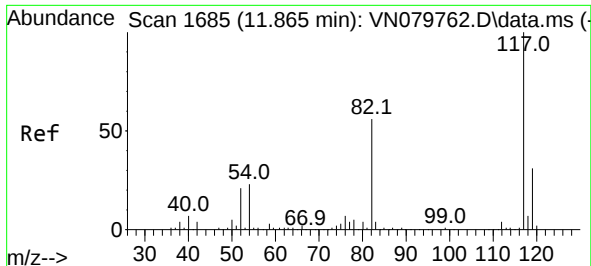
Tgt Ion: 43 Resp: 261699
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 60.731 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

Tgt Ion: 95 Resp: 313743
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.8
176 69.8 0.0 135.8

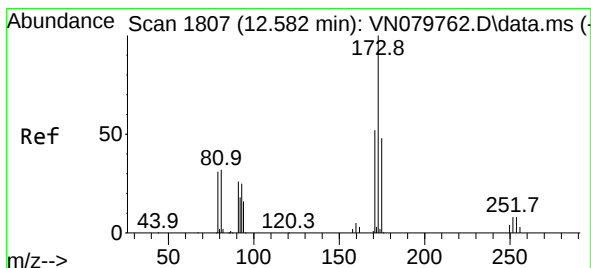
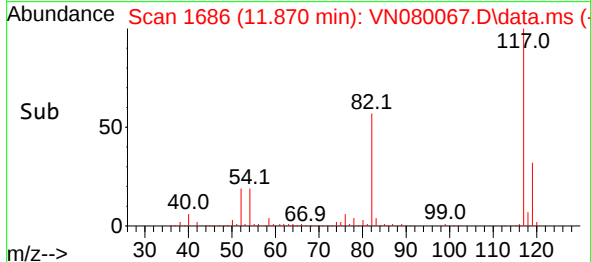
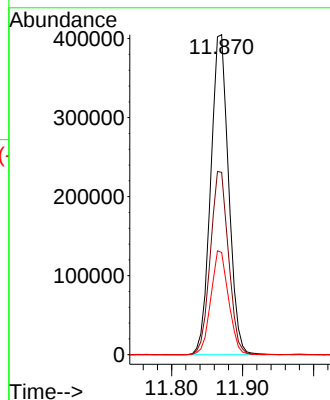
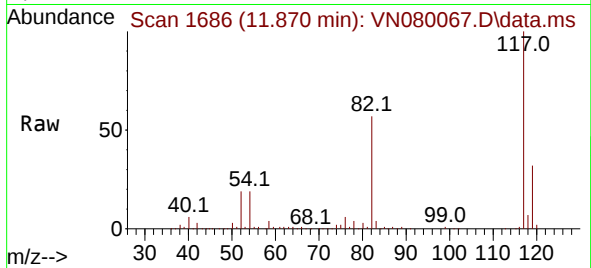




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

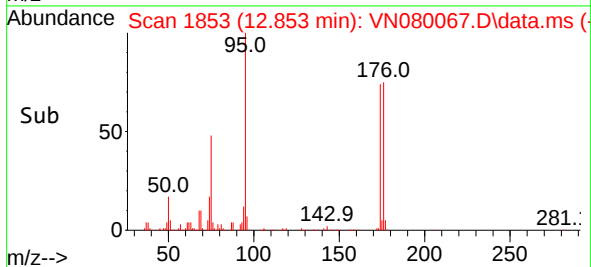
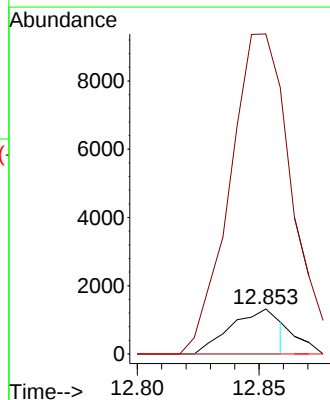
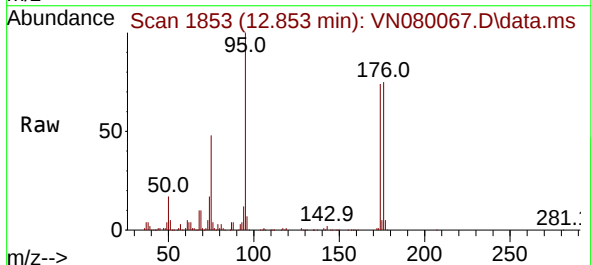
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#08

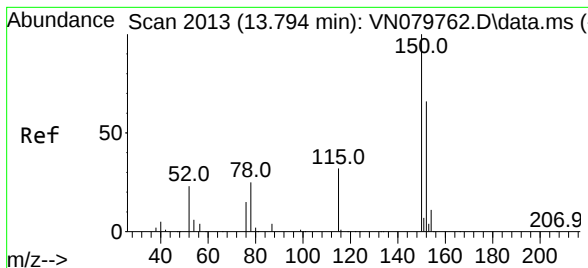
Tgt Ion:117 Resp: 709848
Ion Ratio Lower Upper
117 100
82 57.0 44.0 66.0
119 32.0 25.6 38.4



#71
Bromoform
Concen: 0.470 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

Tgt Ion:173 Resp: 1852
Ion Ratio Lower Upper
173 100
175 745.0 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# 20

Delta R.T. 0.000 min

Lab File: VN080067.D

Acq: 13 Nov 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#08

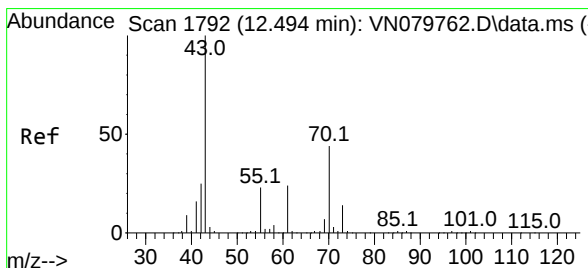
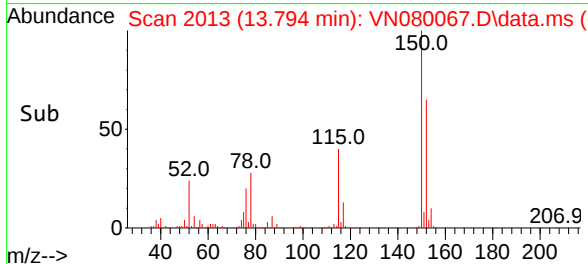
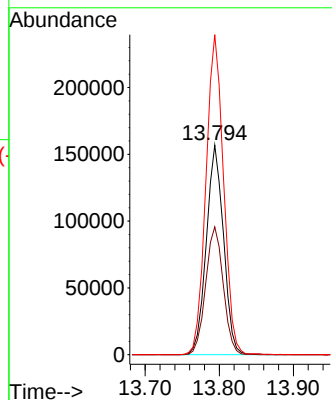
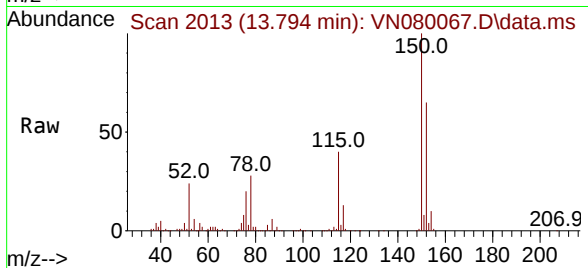
Tgt Ion:152 Resp: 253256

Ion Ratio Lower Upper

152 100

115 62.3 32.3 96.8

150 156.1 0.0 355.8



#74

N-ethyl acetate

Concen: 0.276 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN080067.D

Acq: 13 Nov 2023 15:30

Tgt Ion: 43 Resp: 2314

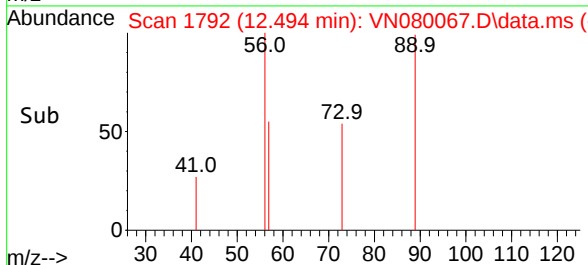
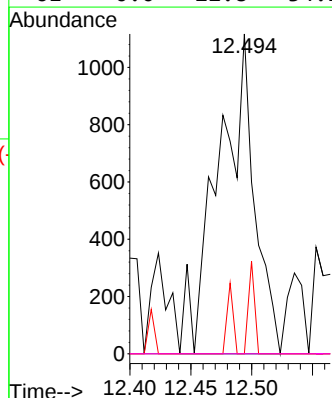
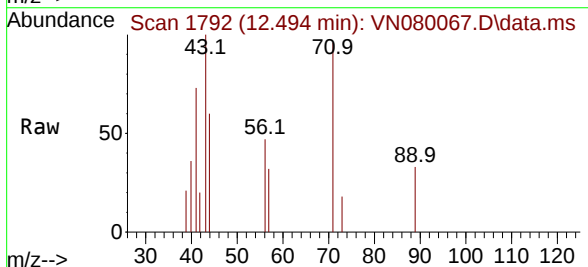
Ion Ratio Lower Upper

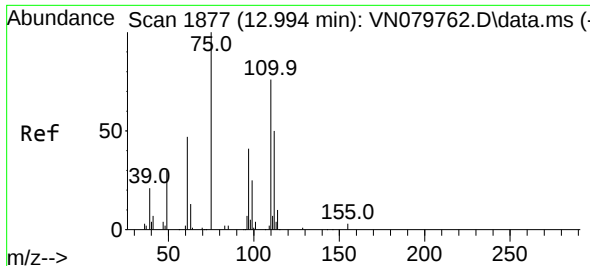
43 100

70 0.0 43.4 65.2#

55 4.9 21.4 32.0#

61 0.0 22.8 34.2#

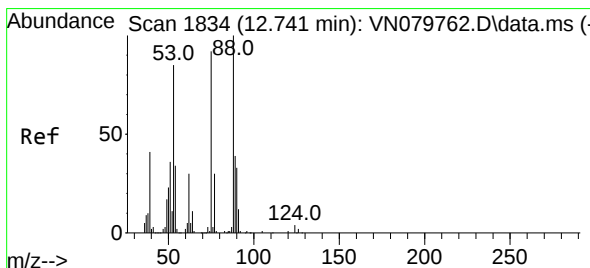
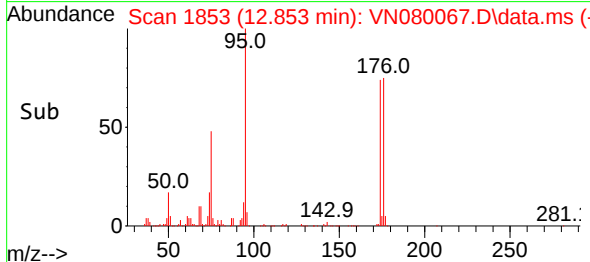
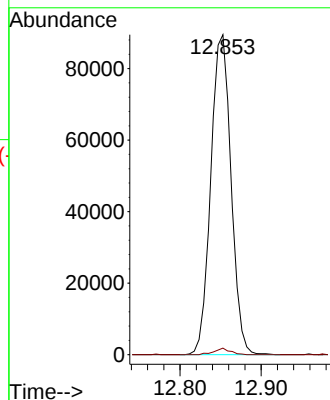
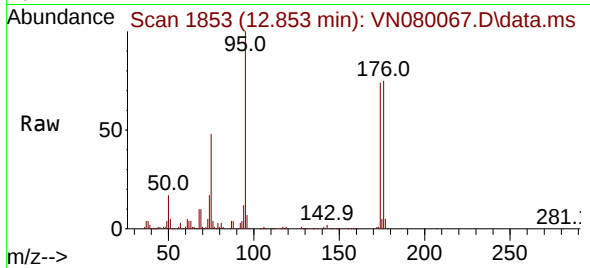




#76
1,2,3-Trichloropropane
Concen: 26.077 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#08

Tgt Ion: 75 Resp: 155046
Ion Ratio Lower Upper
75 100
77 1.6 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.949 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080067.D
Acq: 13 Nov 2023 15:30

Tgt Ion: 75 Resp: 155046
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

