

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080063.D
 Acq On : 13 Nov 2023 13:55
 Operator : JC\MD
 Sample : PB157075ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#04

Quant Time: Nov 14 19:23:57 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

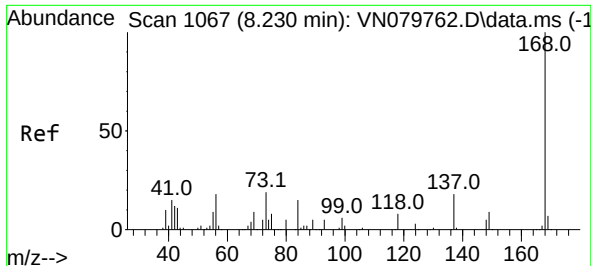
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	194756	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	379834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	427777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	174016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	178117	60.029	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.060%	
35) Dibromofluoromethane	8.171	113	142125	52.868	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.740%	
50) Toluene-d8	10.570	98	537382	54.299	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.600%	
62) 4-Bromofluorobenzene	12.853	95	202445	61.679	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 123.360%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	534	Below Cal	#	42
11) Tert butyl alcohol	5.506	59	736	1.943	ug/l #	72
16) Acetone	4.430	43	38500	36.939	ug/l	96
18) Methyl Acetate	5.036	43	2477	0.497	ug/l #	48
20) Methylene Chloride	5.283	84	13935	5.299	ug/l #	88
25) 2-Butanone	7.494	43	4063	2.662	ug/l #	84
31) Cyclohexane	8.229	56	4231	1.079	ug/l #	35
36) 1,1-Dichloropropene	8.224	75	16280	4.241	ug/l #	51
37) Ethyl Acetate	7.571	43	3354	0.953	ug/l #	81
38) Carbon Tetrachloride	8.229	117	22498	5.816	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	933	0.232	ug/l #	73
43) Isopropyl Acetate	8.688	43	145139	23.510	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	2245	0.764	ug/l #	45
48) Methyl methacrylate	9.671	41	4269	1.579	ug/l #	31
49) 1,4-Dioxane	9.747	88	317	6.634	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	13226	3.805	ug/l #	70
53) t-1,3-Dichloropropene	10.735	75	1087	0.259	ug/l #	55
54) cis-1,3-Dichloropropene	10.359	75	58783	12.858	ug/l #	66
56) Ethyl methacrylate	10.982	69	2022	0.517	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7699	1.593	ug/l #	42
59) 2-Hexanone	11.170	43	130785	49.188	ug/l #	19
71) Bromoform	12.853	173	1275	0.537	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	110470	27.040	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110470	73.570	ug/l #	15

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

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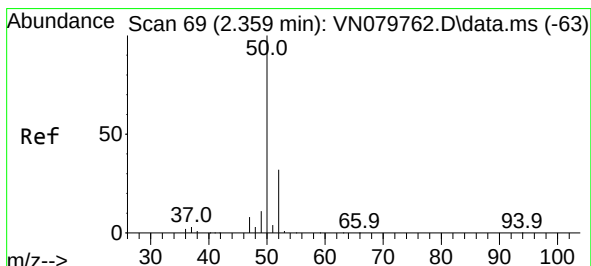
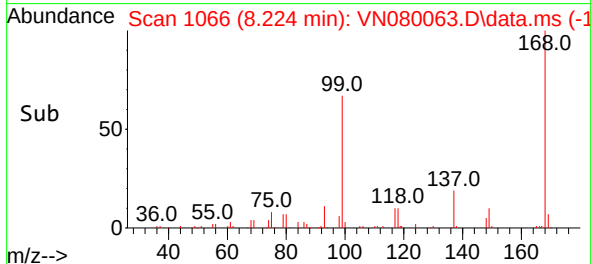
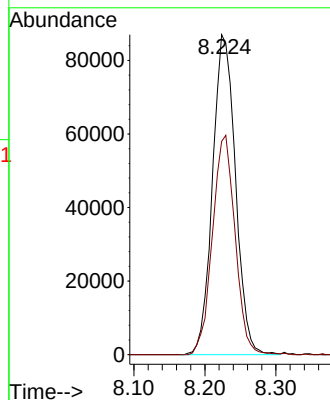
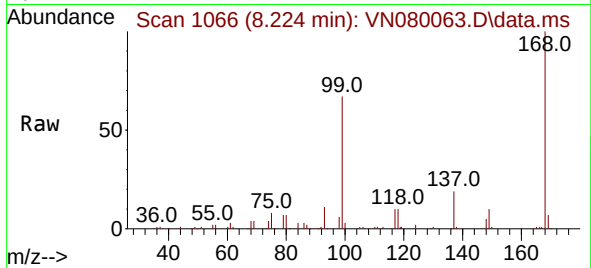




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

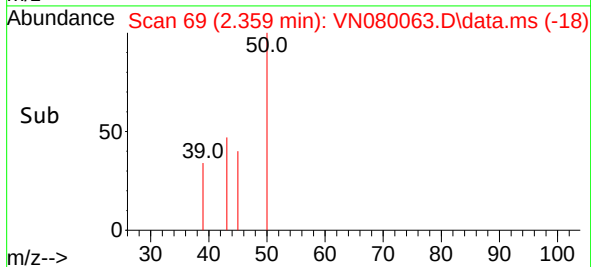
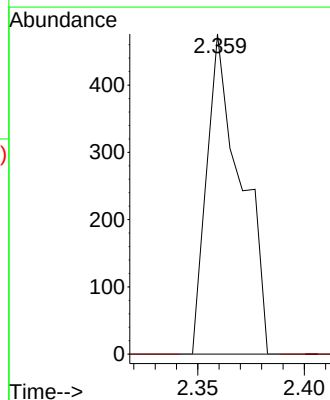
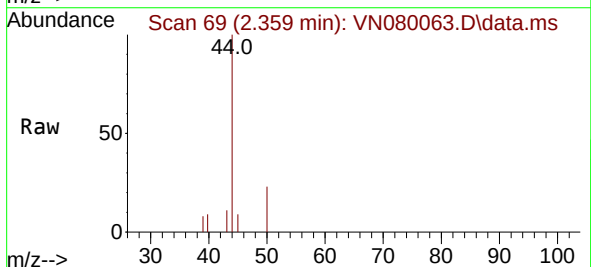
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#04

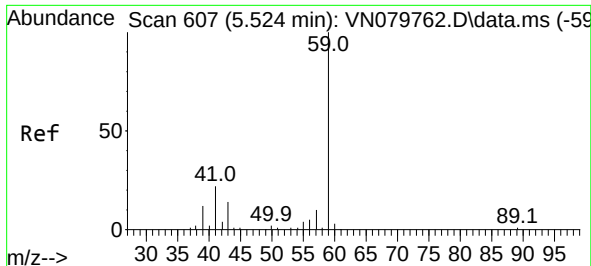
Tgt Ion:168 Resp: 194756
Ion Ratio Lower Upper
168 100
99 66.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

Tgt Ion: 50 Resp: 534
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

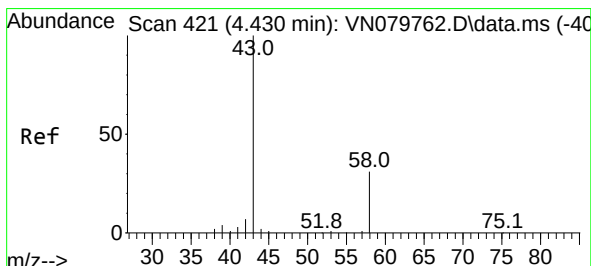
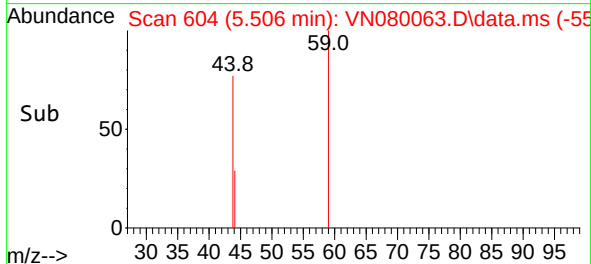
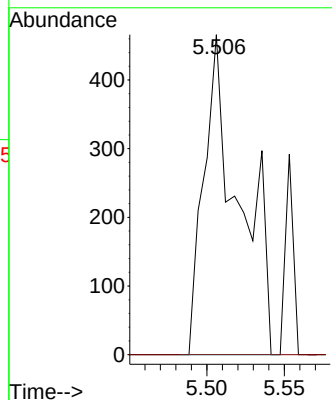
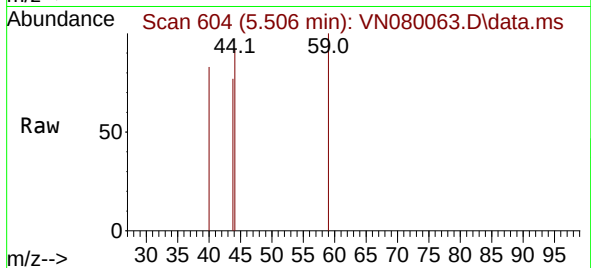




#11
Tert butyl alcohol
Concen: 1.943 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

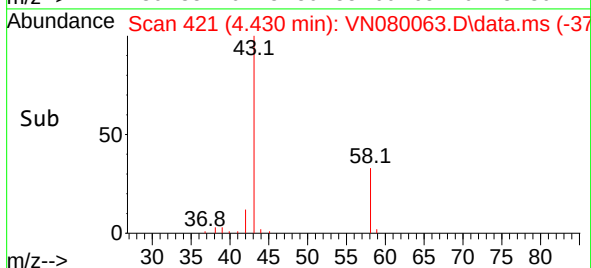
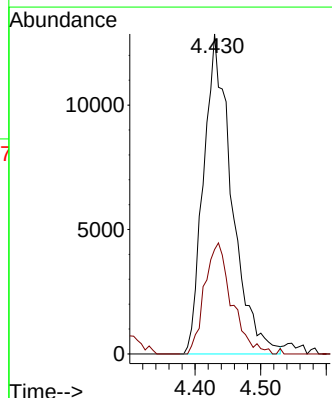
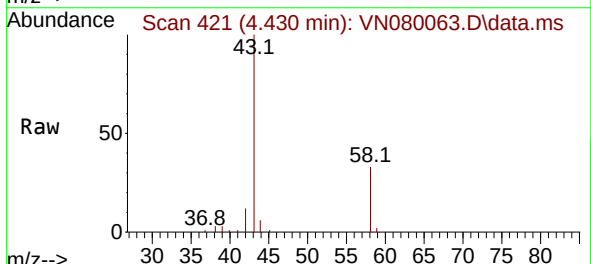
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#04

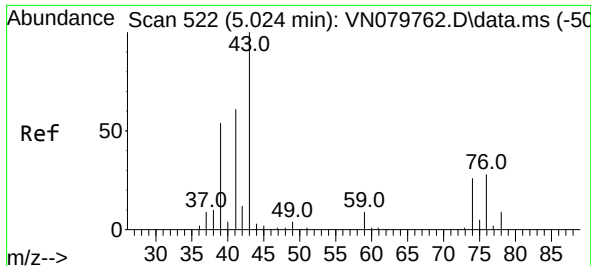
Tgt Ion: 59 Resp: 736
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 36.939 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

Tgt Ion: 43 Resp: 38500
Ion Ratio Lower Upper
43 100
58 32.6 28.0 42.0

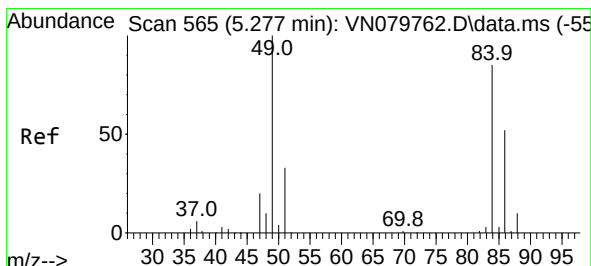
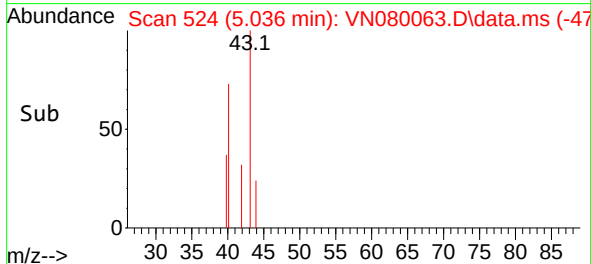
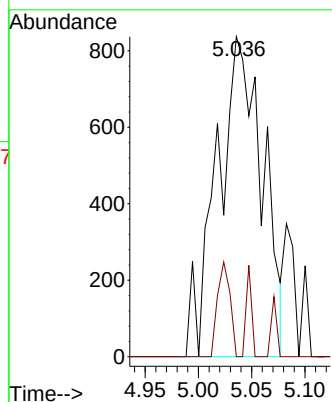
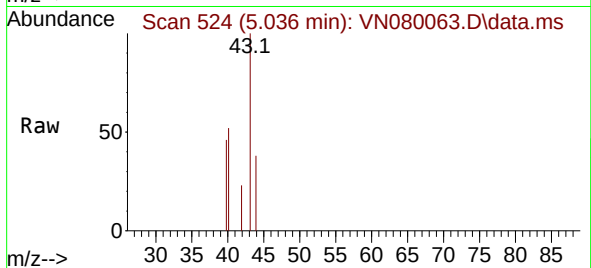




#18
Methyl Acetate
Concen: 0.497 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

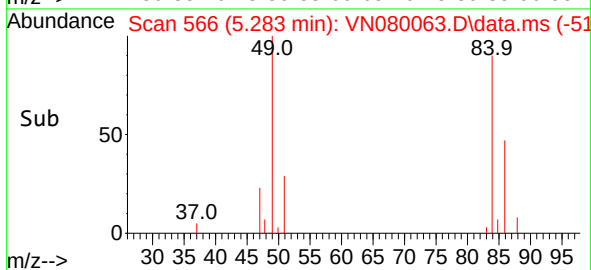
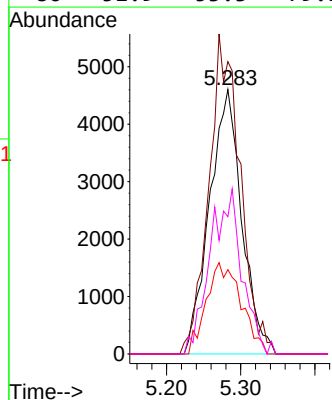
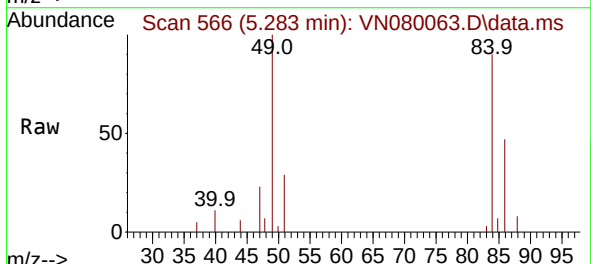
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MSVOA_N
ClientSampleId :
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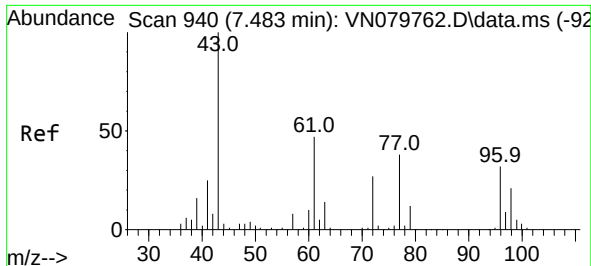
Tgt Ion: 43 Resp: 2477
Ion Ratio Lower Upper
43 100
74 3.4 26.2 39.4#



#20
Methylene Chloride
Concen: 5.299 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

Tgt Ion: 84 Resp: 13935
Ion Ratio Lower Upper
84 100
49 110.6 79.7 119.5
51 31.9 25.2 37.8
86 51.9 53.3 79.9#

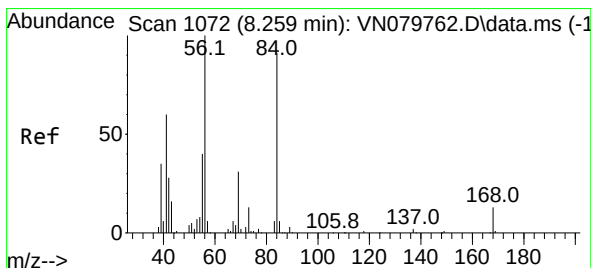
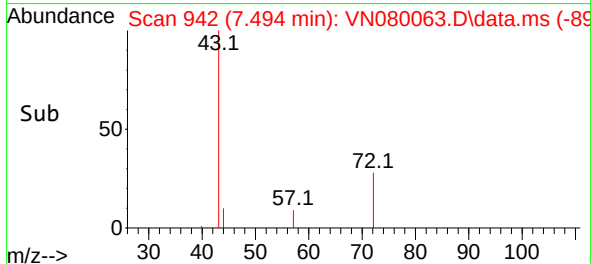
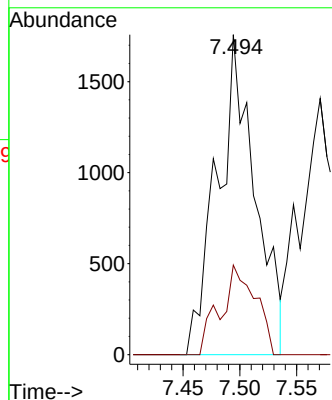
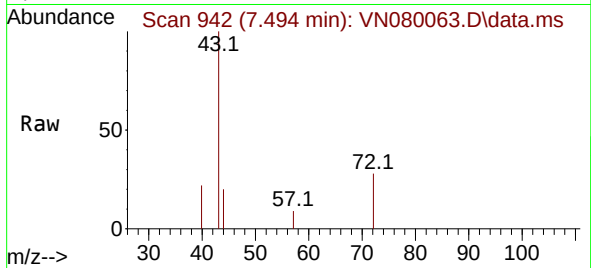




#25
2-Butanone
Concen: 2.662 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

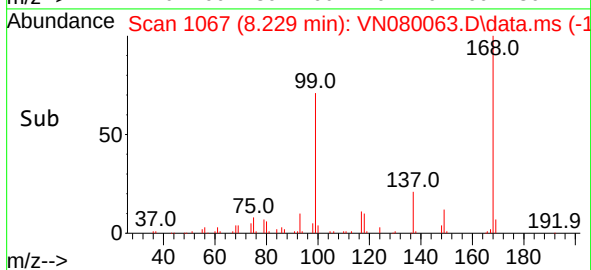
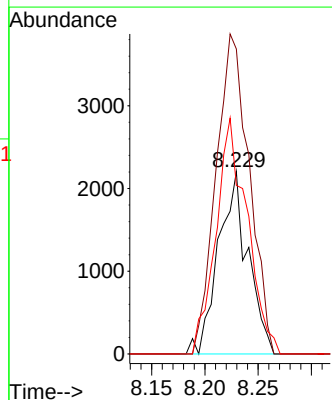
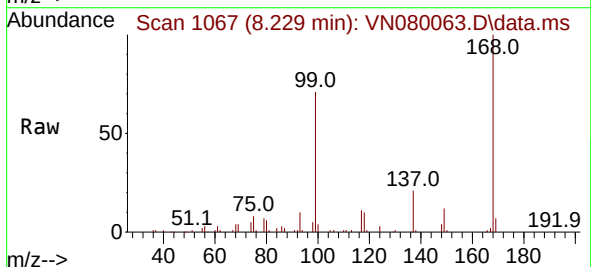
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#04

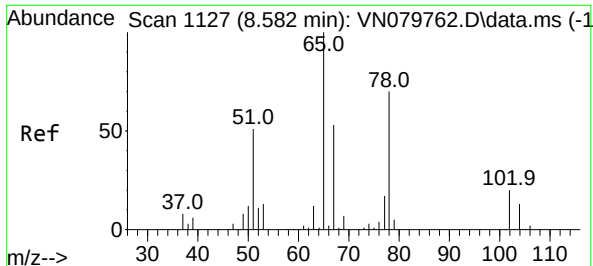
Tgt Ion: 43 Resp: 4063
Ion Ratio Lower Upper
43 100
72 28.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.079 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

Tgt Ion: 56 Resp: 4231
Ion Ratio Lower Upper
56 100
69 167.2 26.8 40.2#
84 92.5 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 60.029 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080063.D

Acq: 13 Nov 2023 13:55

Instrument :

MSVOA_N

ClientSampleId :

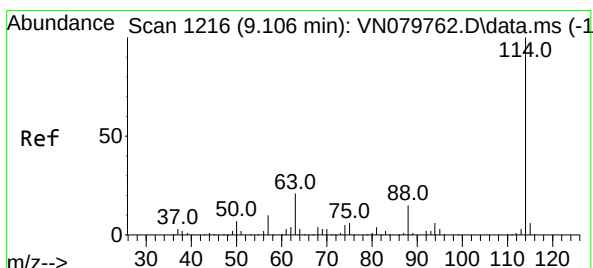
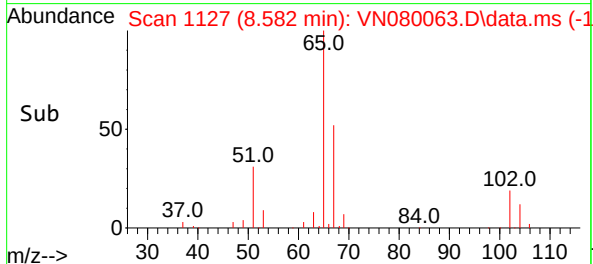
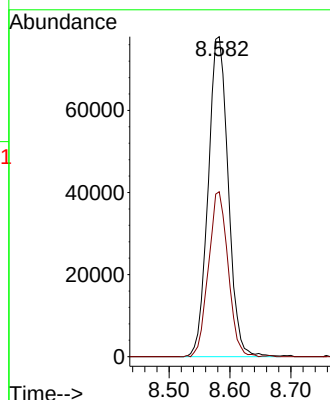
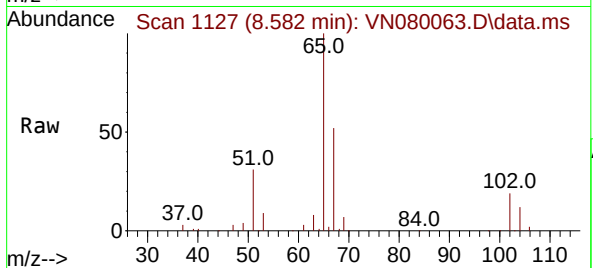
PB157075ZHE#04

Tgt Ion: 65 Resp: 178117

Ion Ratio Lower Upper

65 100

67 50.4 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: VN080063.D

Acq: 13 Nov 2023 13:55

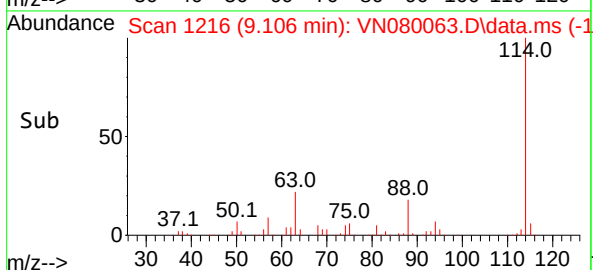
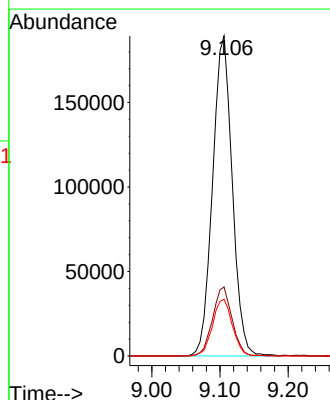
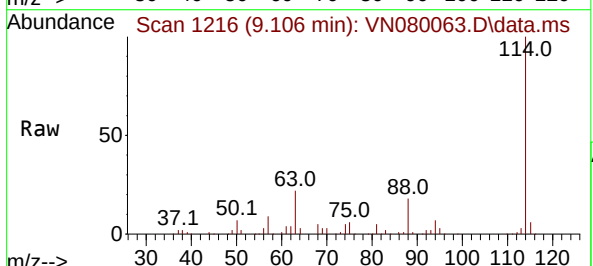
Tgt Ion: 114 Resp: 379834

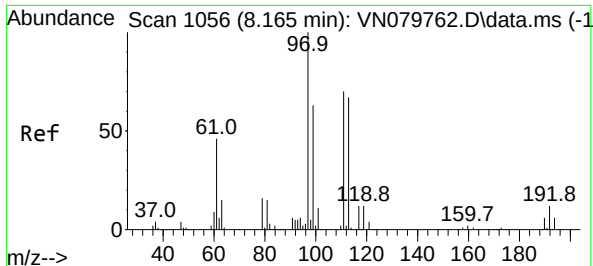
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

88 17.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.868 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080063.D

Acq: 13 Nov 2023 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#04

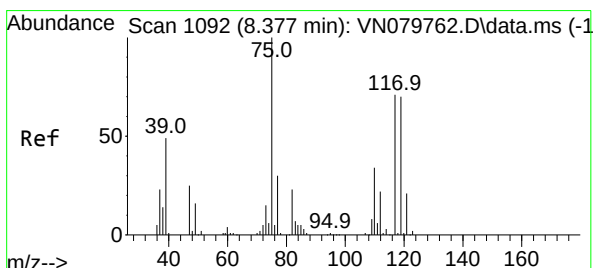
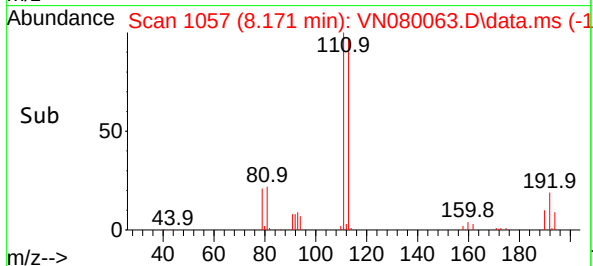
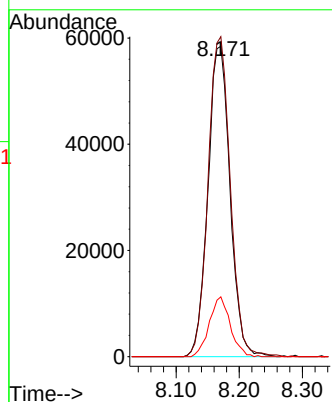
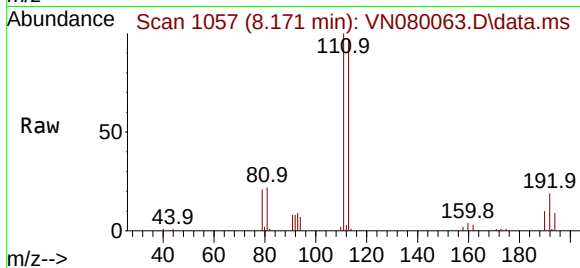
Tgt Ion:113 Resp: 142125

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 18.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.241 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN080063.D

Acq: 13 Nov 2023 13:55

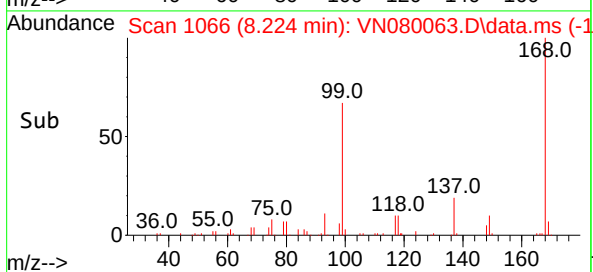
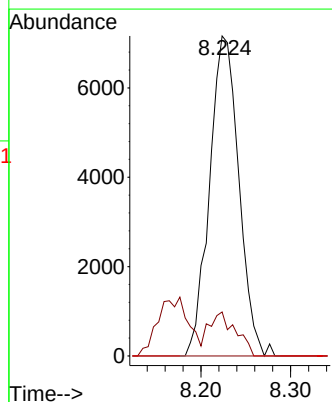
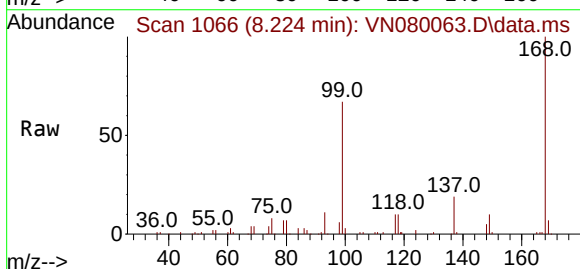
Tgt Ion: 75 Resp: 16280

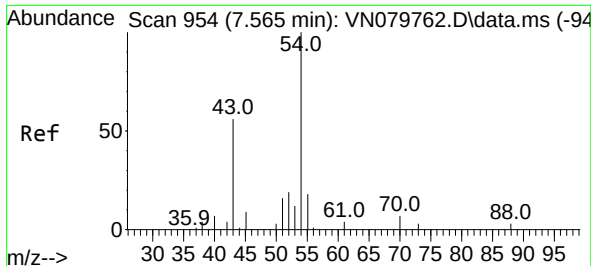
Ion Ratio Lower Upper

75 100

110 12.5 19.1 57.3#

77 0.0 25.0 37.4#

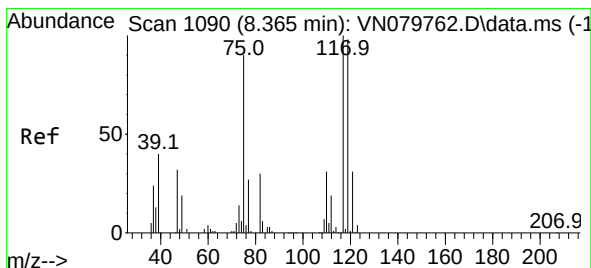
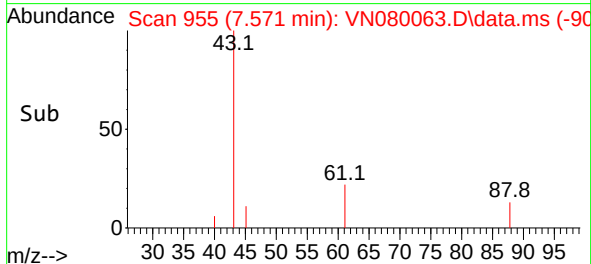
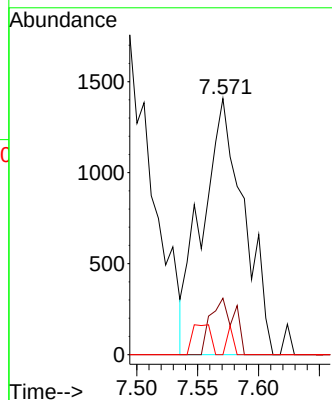
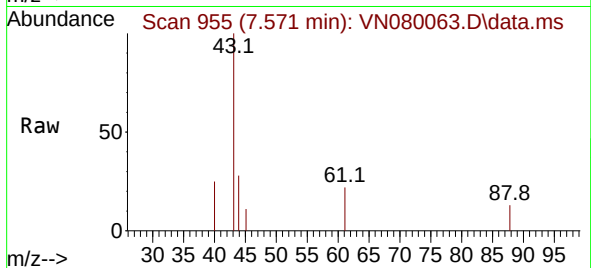




#37
Ethyl Acetate
Concen: 0.953 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

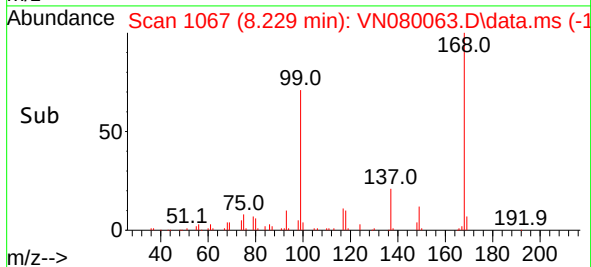
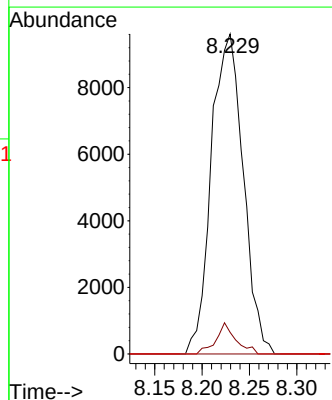
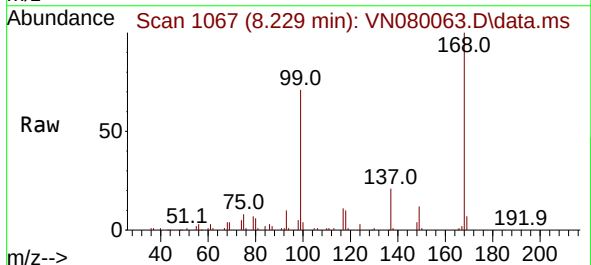
Instrument :
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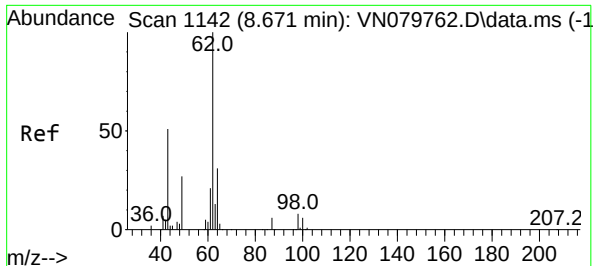
Tgt Ion: 43 Resp: 3354
Ion Ratio Lower Upper
43 100
61 12.6 13.2 19.8#
70 1.7 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.816 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

Tgt Ion: 117 Resp: 22498
Ion Ratio Lower Upper
117 100
119 6.7 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.232 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN080063.D

Acq: 13 Nov 2023 13:55

Instrument :

MSVOA_N

ClientSampleId :

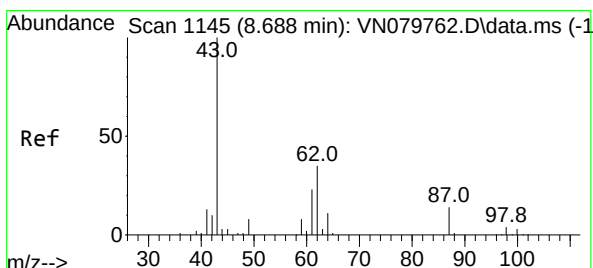
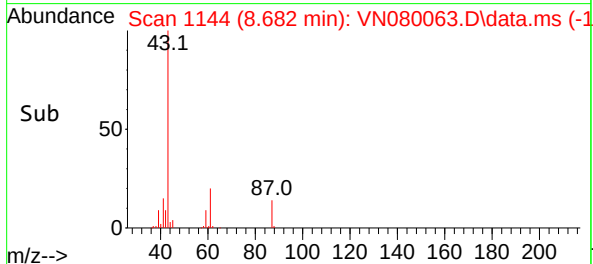
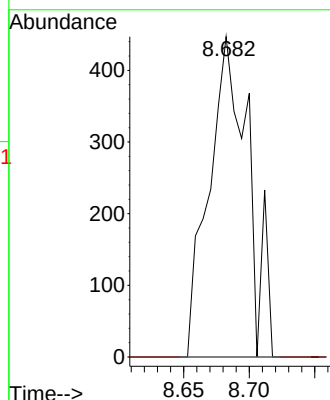
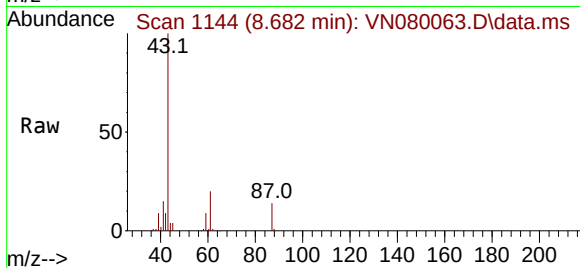
PB157075ZHE#04

Tgt Ion: 62 Resp: 933

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 23.510 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN080063.D

Acq: 13 Nov 2023 13:55

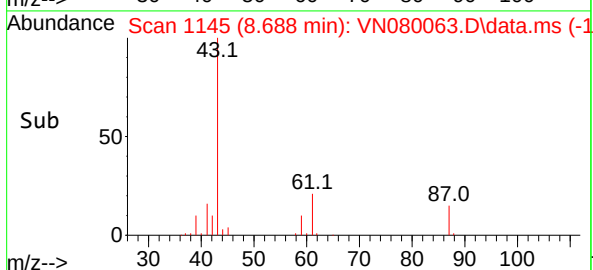
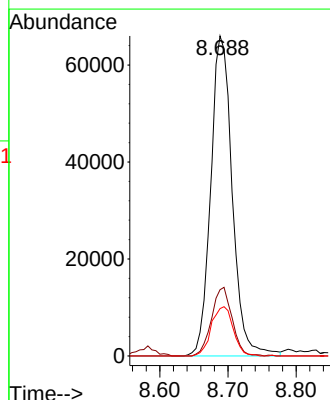
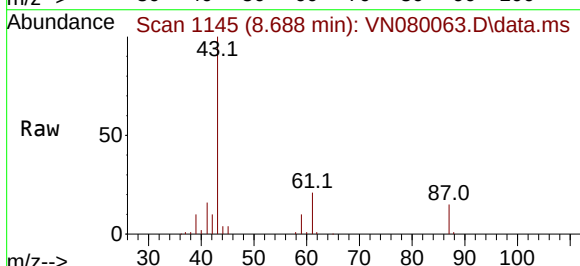
Tgt Ion: 43 Resp: 145139

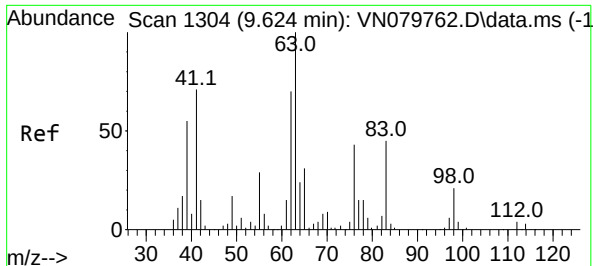
Ion Ratio Lower Upper

43 100

61 20.5 24.7 37.1#

87 15.7 14.6 21.8





#45

1,2-Dichloropropane

Concen: 0.764 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN080063.D

Acq: 13 Nov 2023 13:55

Instrument :

MSVOA_N

ClientSampleId :

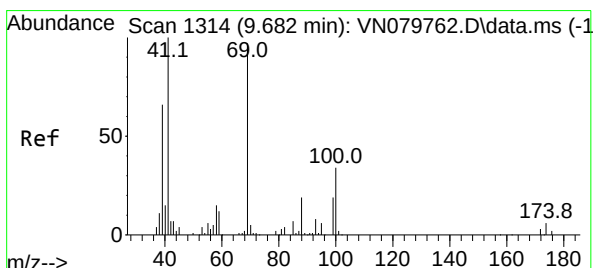
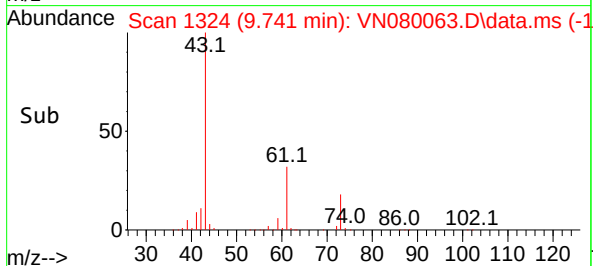
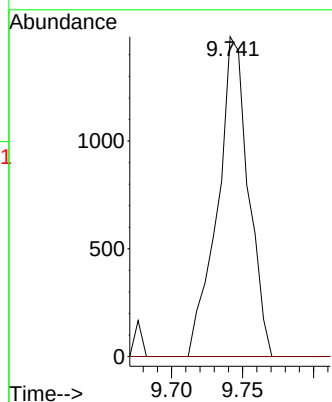
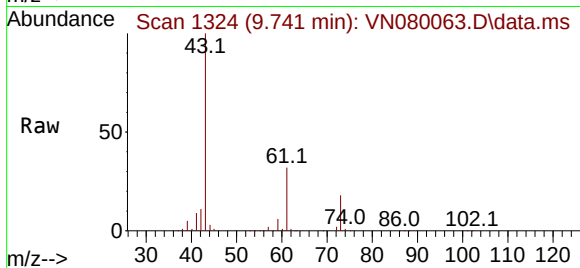
PB157075ZHE#04

Tgt Ion: 63 Resp: 2245

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.579 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN080063.D

Acq: 13 Nov 2023 13:55

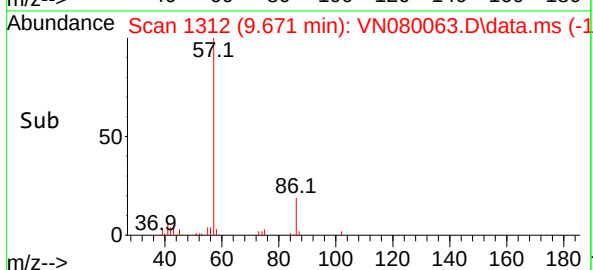
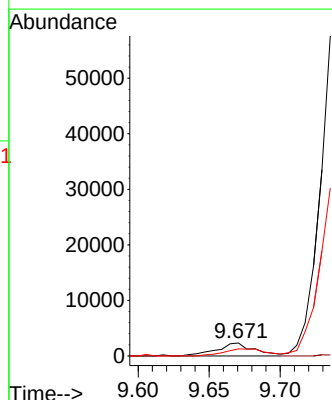
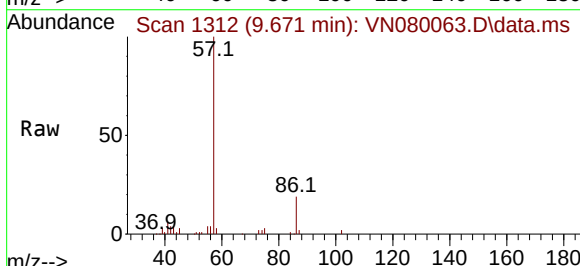
Tgt Ion: 41 Resp: 4269

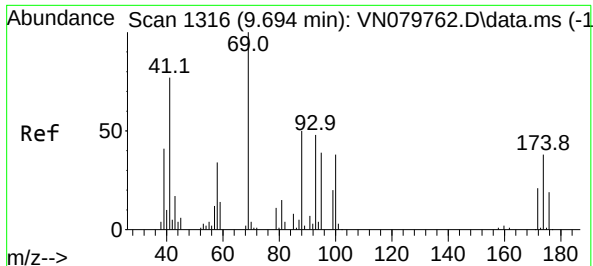
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 61.6 54.6 81.8





#49

1,4-Dioxane

Concen: 6.634 ug/l

RT: 9.747 min Scan# 1316

Delta R.T. 0.053 min

Lab File: VN080063.D

Acq: 13 Nov 2023 13:55

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#04

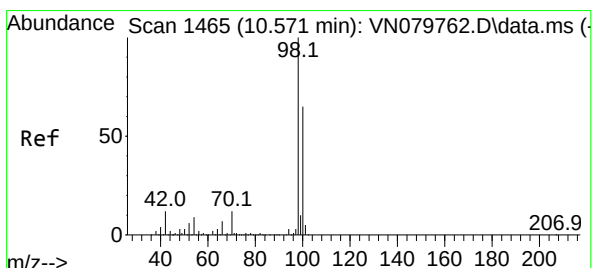
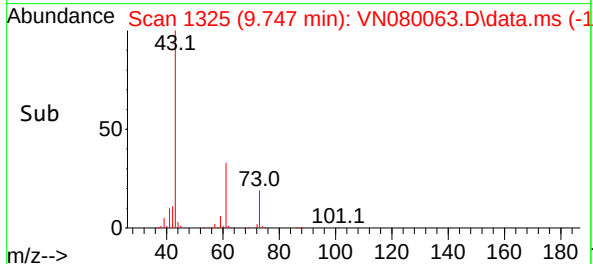
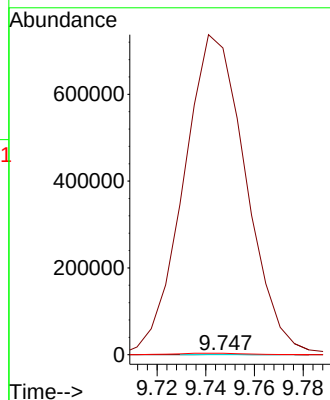
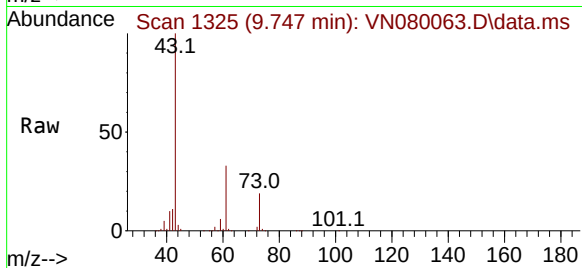
Tgt Ion: 88 Resp: 317

Ion Ratio Lower Upper

88 100

43 418697.5 17.0 25.6#

58 2219.9 47.0 70.4#



#50

Toluene-d8

Concen: 54.299 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN080063.D

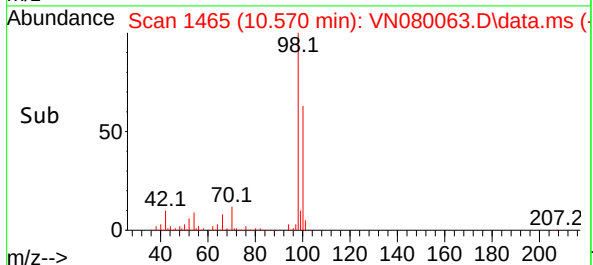
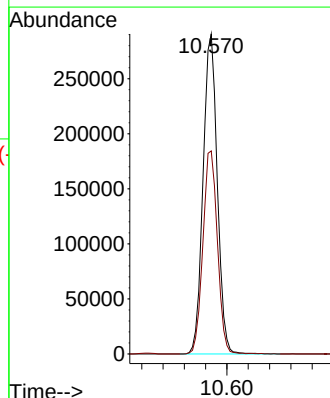
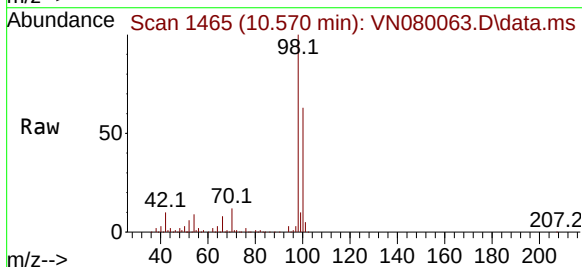
Acq: 13 Nov 2023 13:55

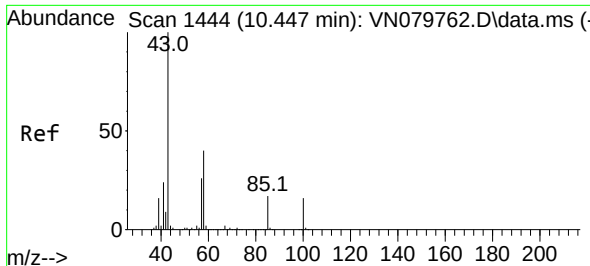
Tgt Ion: 98 Resp: 537382

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

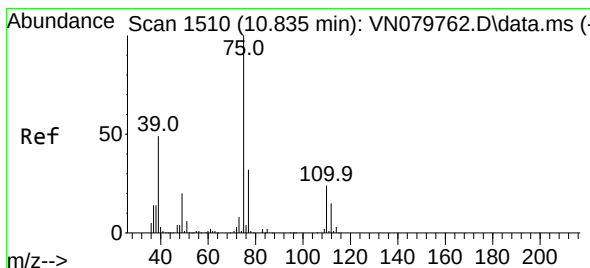
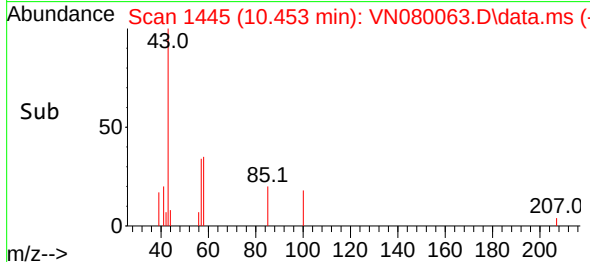
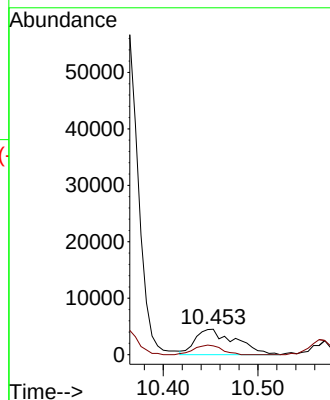
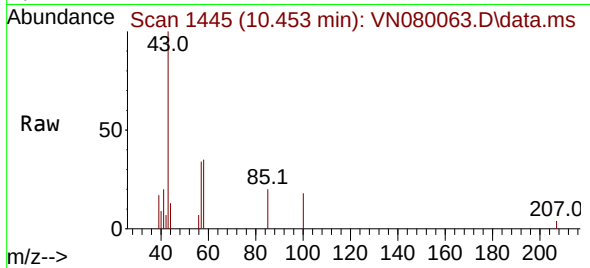




#51
4-Methyl-2-Pentanone
Concen: 3.805 ug/l
RT: 10.453 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

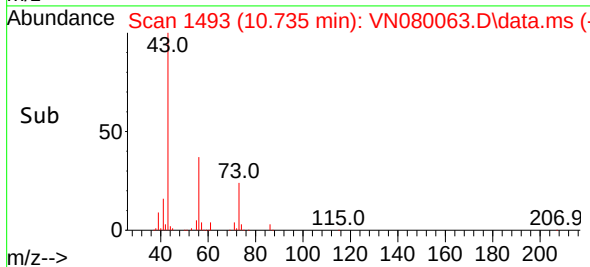
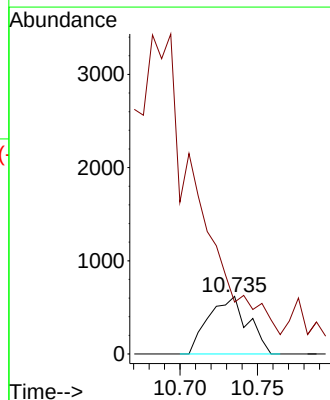
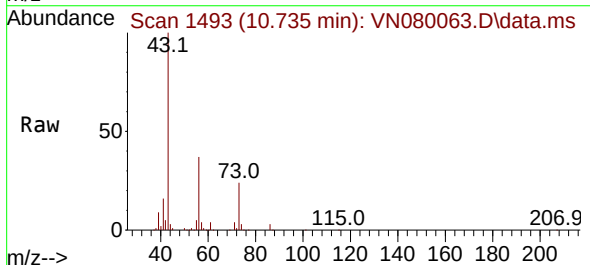
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#04

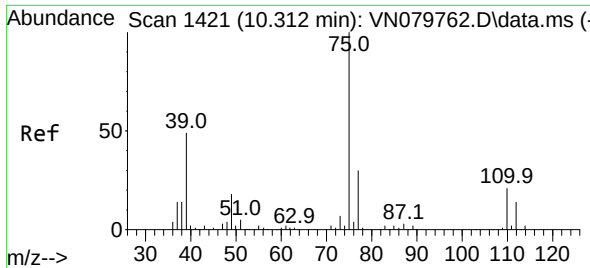
Tgt Ion: 43 Resp: 13226
Ion Ratio Lower Upper
43 100
58 26.2 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.259 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

Tgt Ion: 75 Resp: 1087
Ion Ratio Lower Upper
75 100
77 56.5 25.4 38.0#

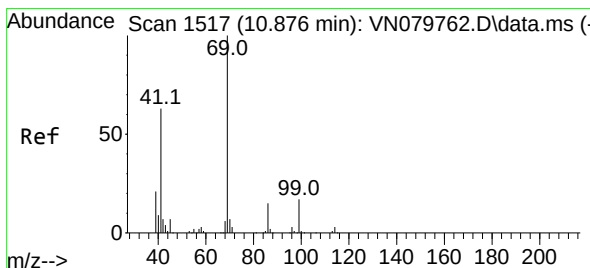
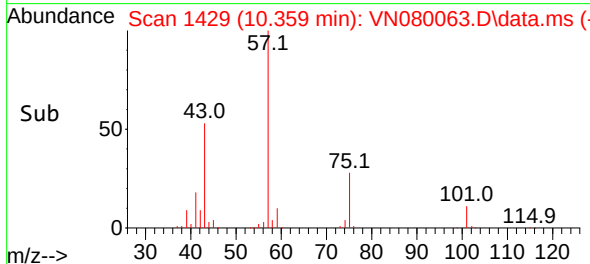
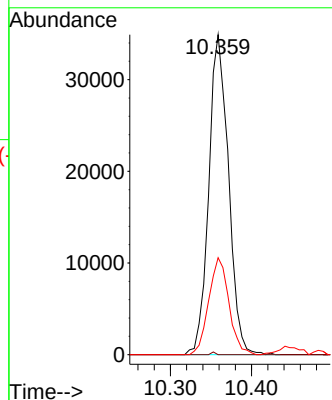
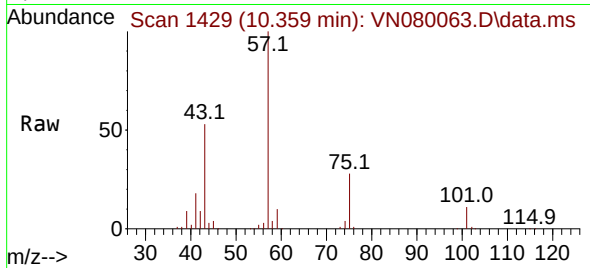




#54
 cis-1,3-Dichloropropene
 Concen: 12.858 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080063.D
 Acq: 13 Nov 2023 13:55

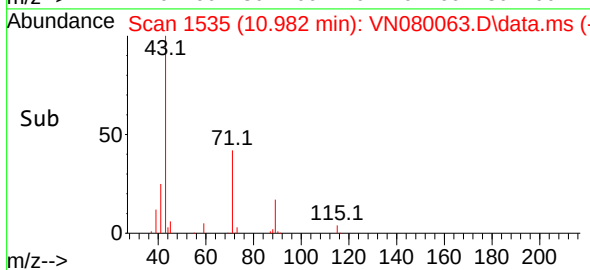
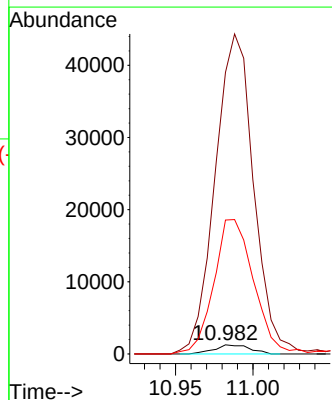
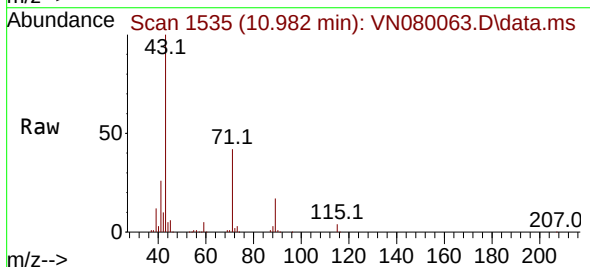
Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#04

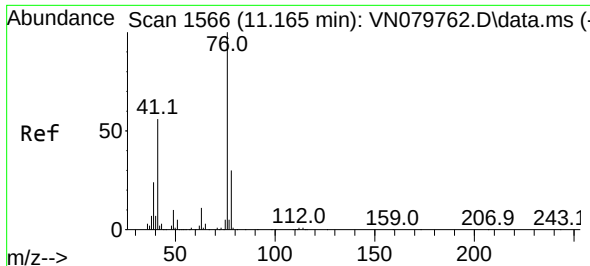
Tgt Ion: 75 Resp: 58783
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 30.3 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 0.517 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN080063.D
 Acq: 13 Nov 2023 13:55

Tgt Ion: 69 Resp: 2022
 Ion Ratio Lower Upper
 69 100
 41 3794.0 39.6 59.4#
 39 1647.5 28.6 43.0#

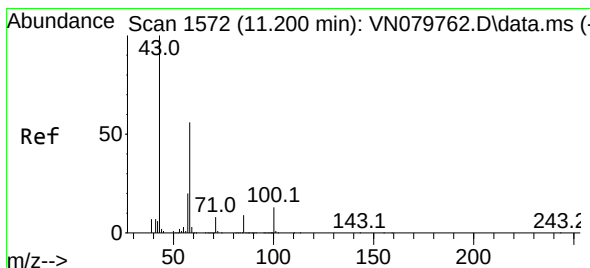
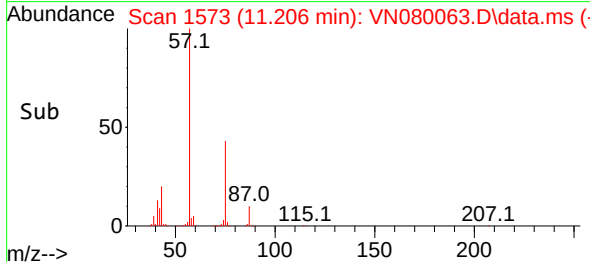
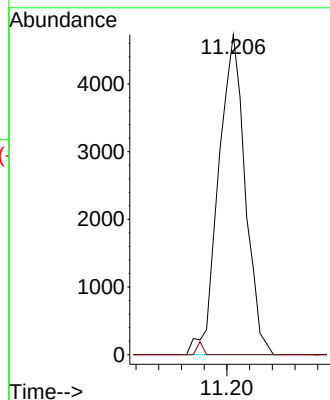
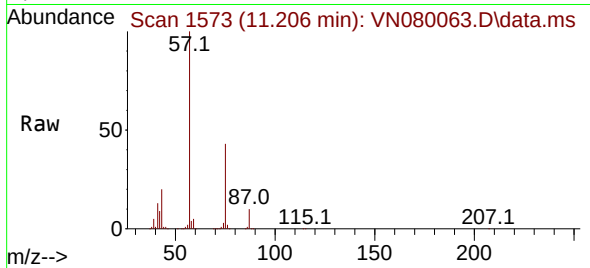




#57
1,3-Dichloropropane
Concen: 1.593 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

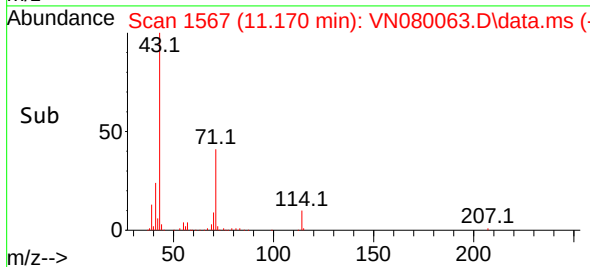
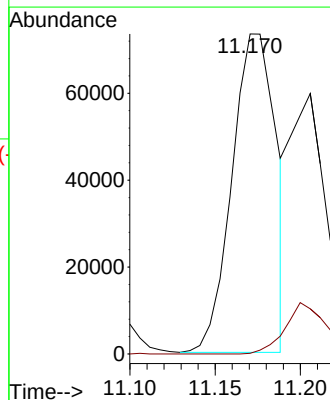
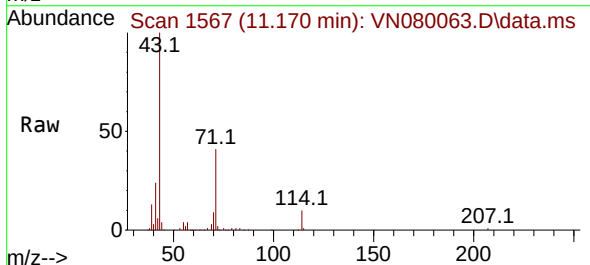
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#04

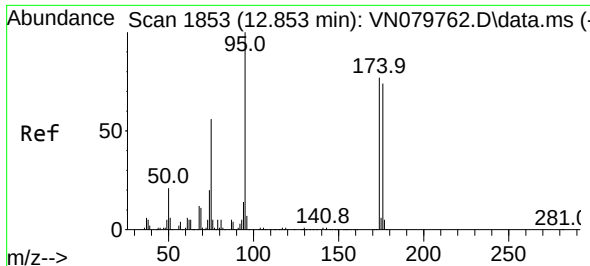
Tgt Ion: 76 Resp: 7699
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 49.188 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.029 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

Tgt Ion: 43 Resp: 130785
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

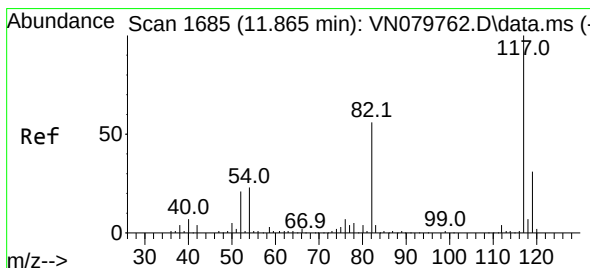
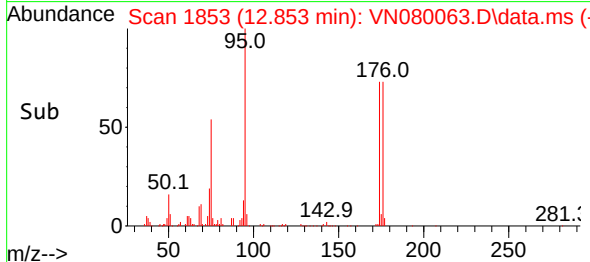
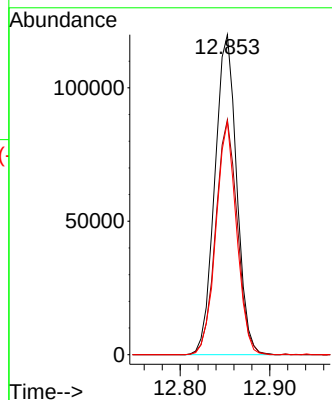
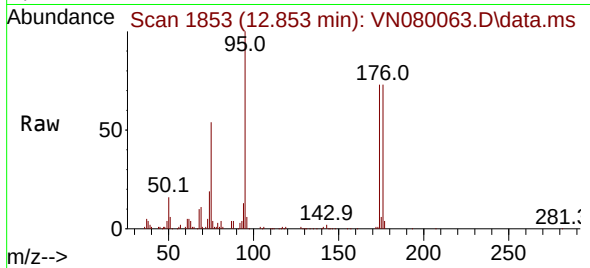




#62
4-Bromofluorobenzene
Concen: 61.679 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

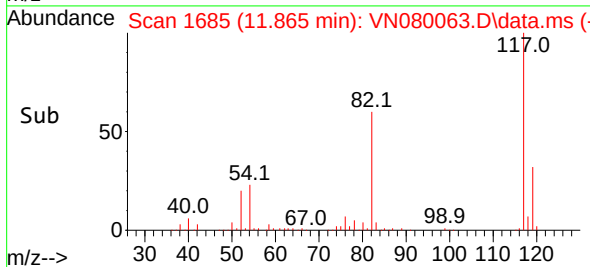
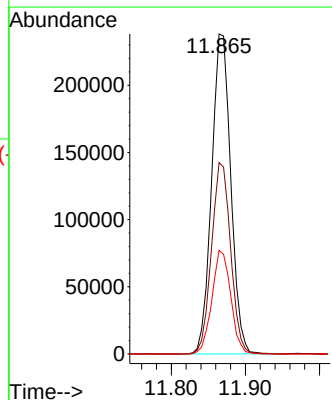
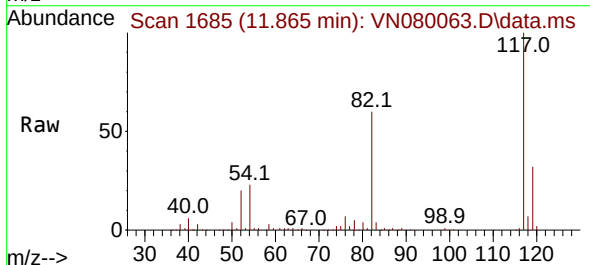
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#04

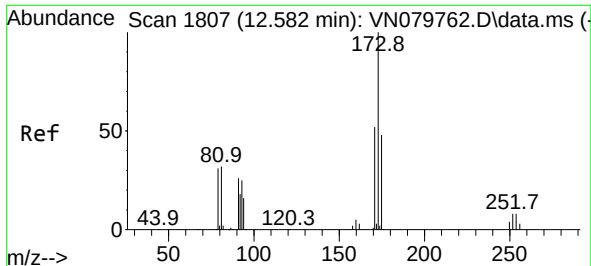
Tgt Ion: 95 Resp: 202445
Ion Ratio Lower Upper
95 100
174 73.0 0.0 143.8
176 68.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

Tgt Ion: 117 Resp: 427777
Ion Ratio Lower Upper
117 100
82 59.8 44.0 66.0
119 32.4 25.6 38.4

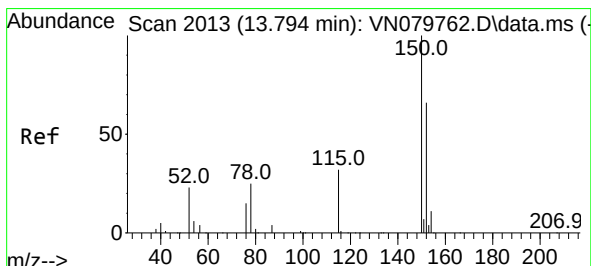
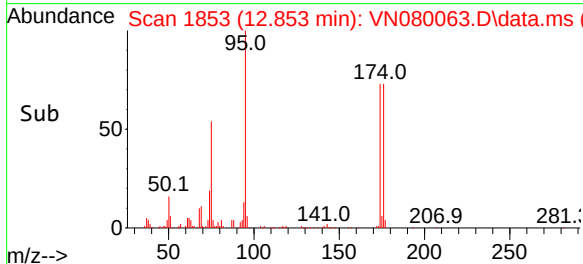
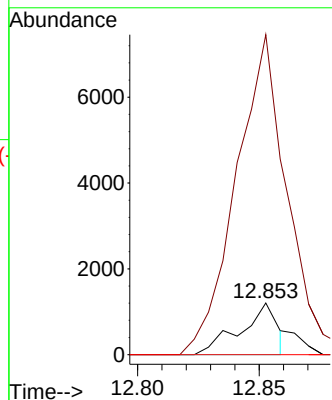
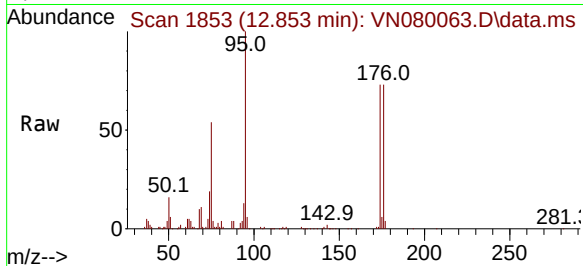




#71
Bromoform
Concen: 0.537 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

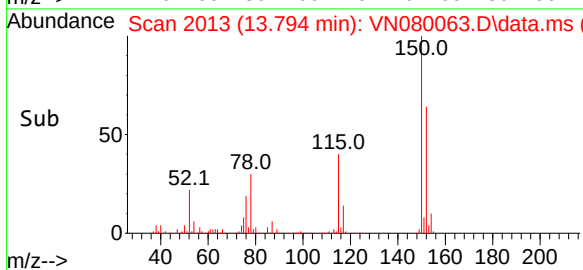
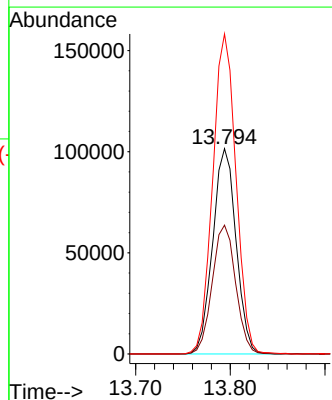
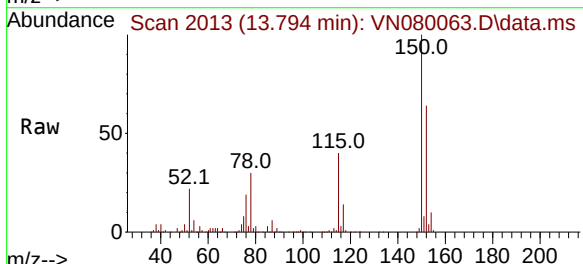
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#04

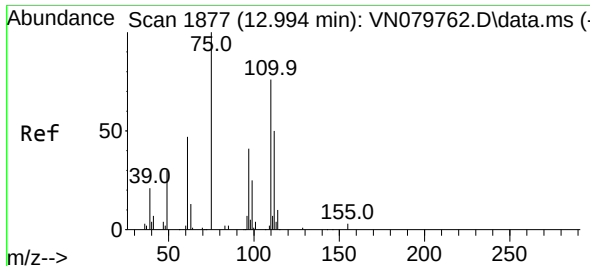
Tgt Ion:173 Resp: 1275
Ion Ratio Lower Upper
173 100
175 713.3 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

Tgt Ion:152 Resp: 174016
Ion Ratio Lower Upper
152 100
115 62.9 32.3 96.8
150 155.4 0.0 355.8

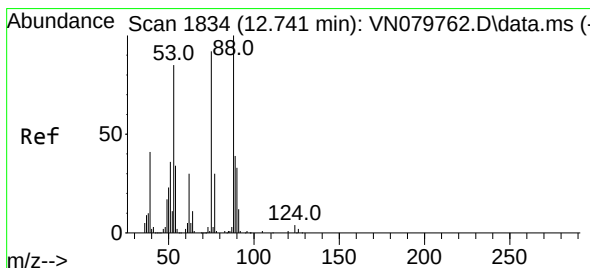
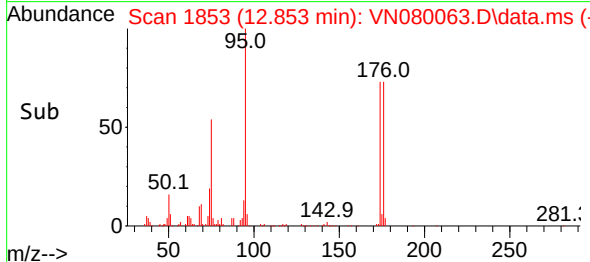
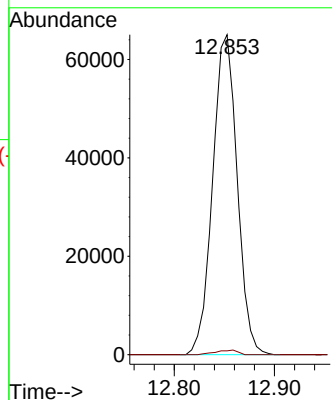
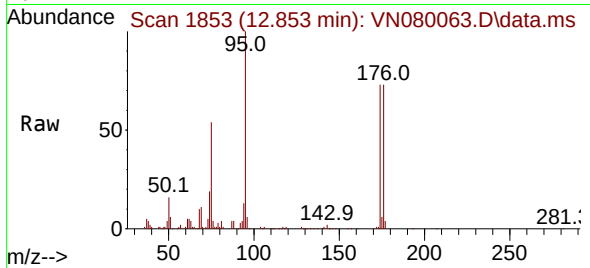




#76
1,2,3-Trichloropropane
Concen: 27.040 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#04

Tgt Ion: 75 Resp: 110470
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.570 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080063.D
Acq: 13 Nov 2023 13:55

Tgt Ion: 75 Resp: 110470
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

