

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080072.D
 Acq On : 13 Nov 2023 17:30
 Operator : JC\MD
 Sample : PB157075ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#13

Quant Time: Nov 14 19:25:47 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)

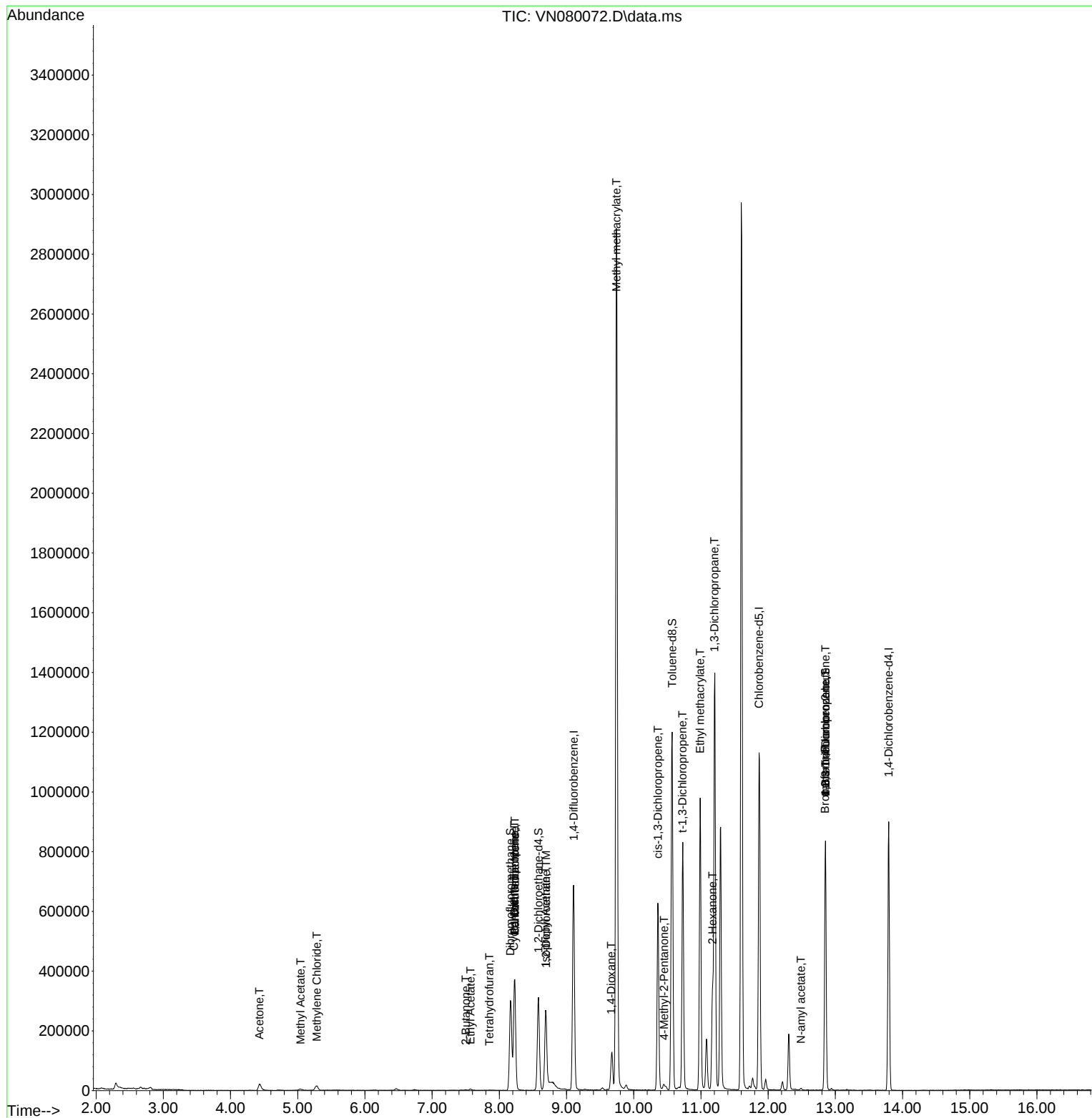
Internal Standards						
1) Pentafluorobenzene	8.230	168	262288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	581896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	655151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	233601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	254897	63.787	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 127.580%#	
35) Dibromofluoromethane	8.165	113	219411	53.275	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.560%	
50) Toluene-d8	10.571	98	820770	54.135	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.280%	
62) 4-Bromofluorobenzene	12.853	95	290224	57.718	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1017	Below Cal	#	82
16) Acetone	4.430	43	41253	29.390	ug/l #	86
18) Methyl Acetate	5.042	43	8881	1.322	ug/l #	81
20) Methylene Chloride	5.283	84	11915	3.364	ug/l	96
25) 2-Butanone	7.500	43	3196	1.555	ug/l #	65
29) Tetrahydrofuran	7.853	42	762	0.570	ug/l #	25
31) Cyclohexane	8.218	56	6729	1.274	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	23942	4.071	ug/l #	48
37) Ethyl Acetate	7.571	43	7228	1.340	ug/l #	82
38) Carbon Tetrachloride	8.230	117	28659	4.836	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	2048	0.333	ug/l #	73
43) Isopropyl Acetate	8.688	43	316886	33.505	ug/l #	79
48) Methyl methacrylate	9.741	41	264316	63.804	ug/l #	28
49) 1,4-Dioxane	9.665	88	55	0.751	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	22086	4.148	ug/l #	66
53) t-1,3-Dichloropropene	10.724	75	2143	0.334	ug/l #	47
54) cis-1,3-Dichloropropene	10.359	75	108606	15.507	ug/l #	70
56) Ethyl methacrylate	10.988	69	5194	0.867	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	14104	1.905	ug/l #	42
59) 2-Hexanone	11.171	43	265749	65.241	ug/l #	19
71) Bromoform	12.847	173	2367	0.651	ug/l #	1
74) N-amyl acetate	12.488	43	1896	0.245	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	150898	27.515	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	150898	74.861	ug/l #	15

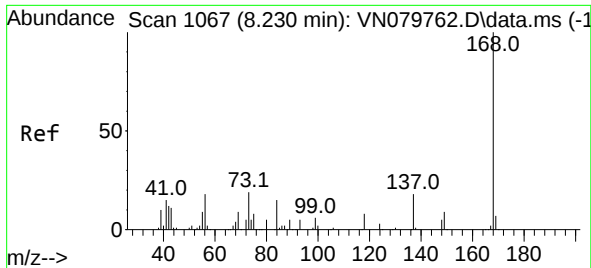
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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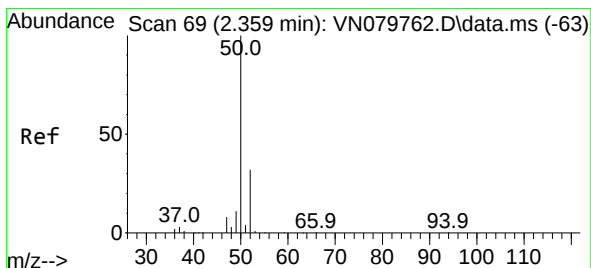
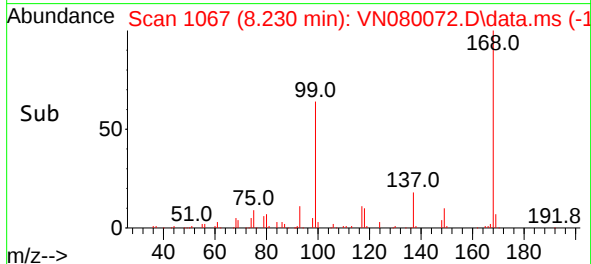
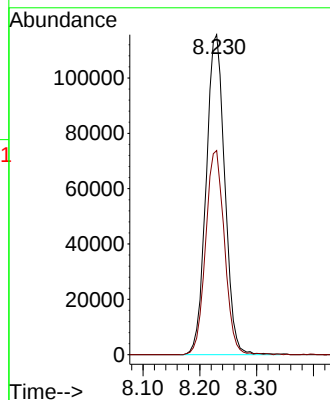
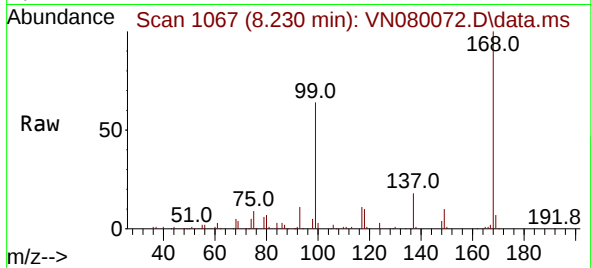




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

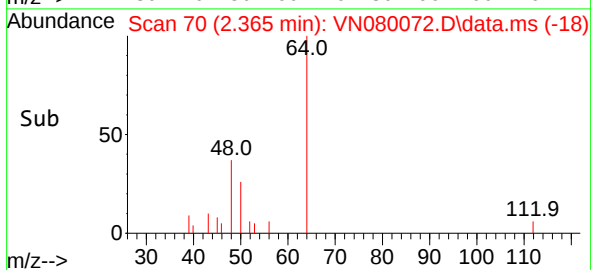
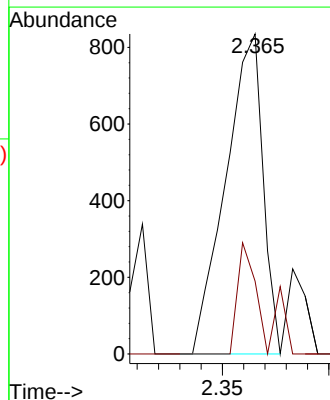
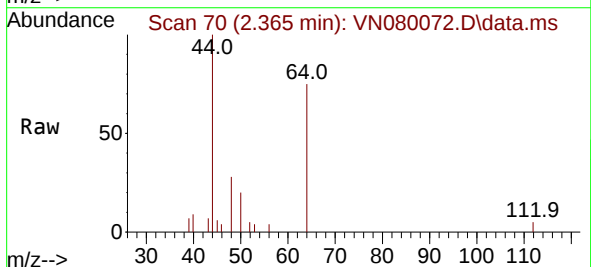
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#13

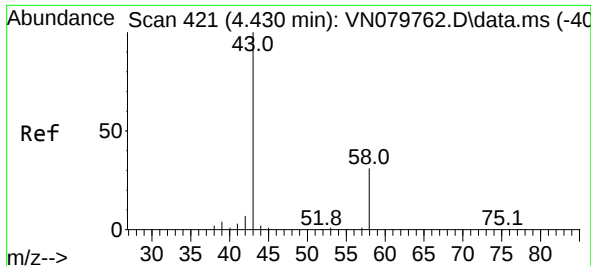
Tgt Ion:168 Resp: 262288
Ion Ratio Lower Upper
168 100
99 63.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

Tgt Ion: 50 Resp: 1017
Ion Ratio Lower Upper
50 100
52 22.8 26.5 39.7#

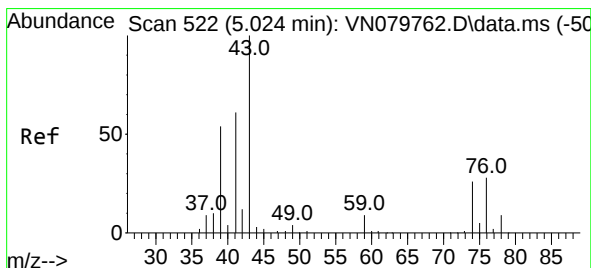
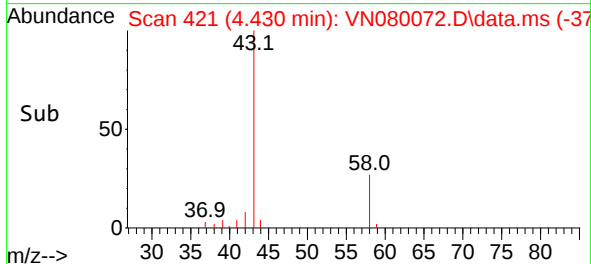
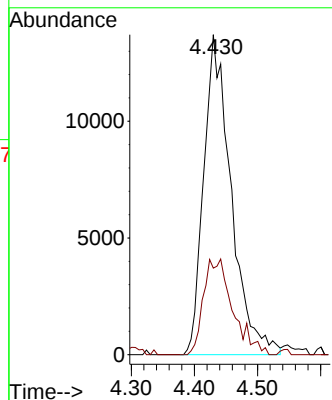
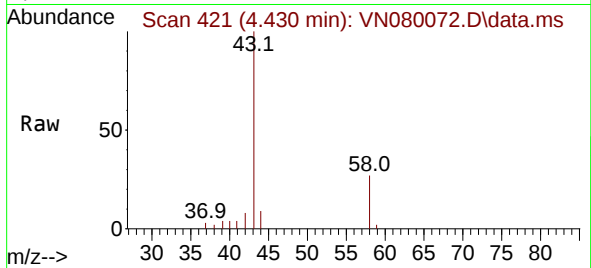




#16
Acetone
Concen: 29.390 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

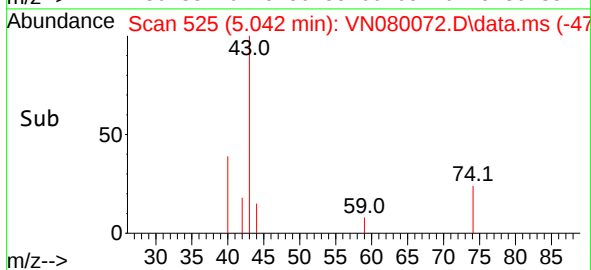
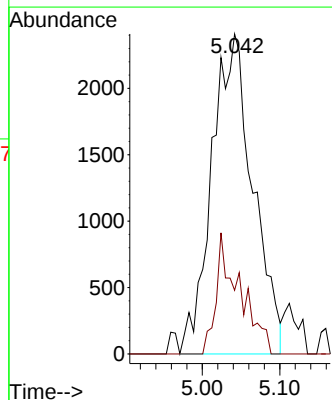
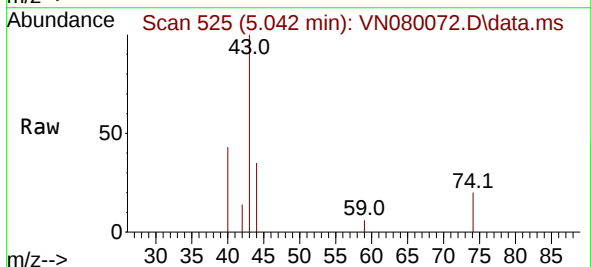
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#13

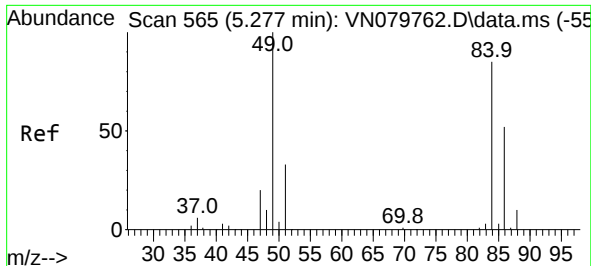
Tgt Ion: 43 Resp: 41253
Ion Ratio Lower Upper
43 100
58 27.1 28.0 42.0#



#18
Methyl Acetate
Concen: 1.322 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

Tgt Ion: 43 Resp: 8881
Ion Ratio Lower Upper
43 100
74 21.9 26.2 39.4#

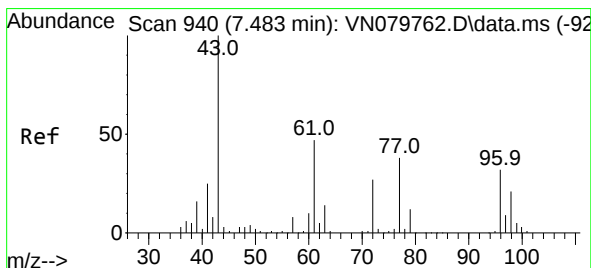
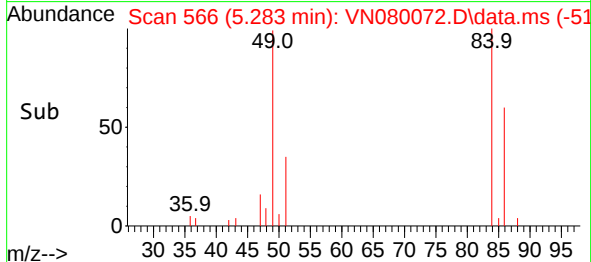
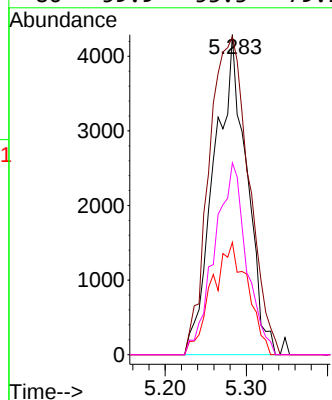
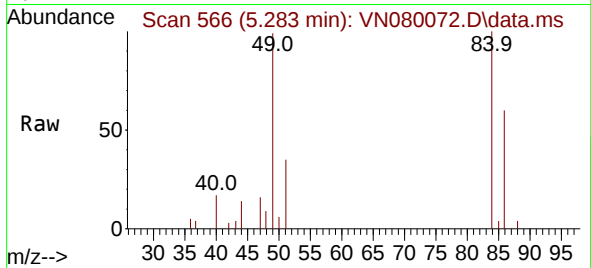




#20
Methylene Chloride
Concen: 3.364 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

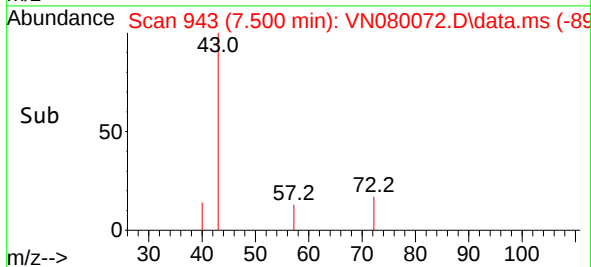
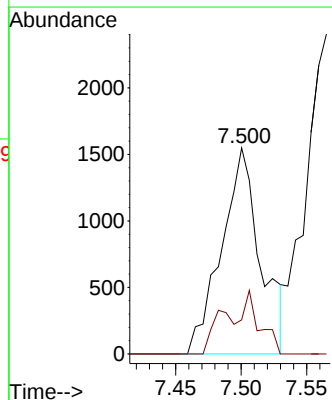
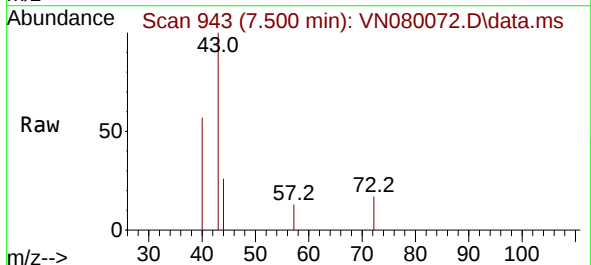
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#13

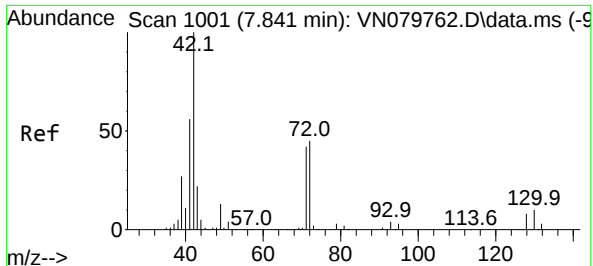
Tgt Ion: 84	Resp: 11915
Ion Ratio	Lower Upper
84	100
49	99.3 79.7 119.5
51	35.1 25.2 37.8
86	59.9 53.3 79.9



#25
2-Butanone
Concen: 1.555 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

Tgt Ion: 43	Resp: 3196
Ion Ratio	Lower Upper
43	100
72	16.5 30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.570 ug/l

RT: 7.853 min Scan# 1065

Delta R.T. 0.012 min

Lab File: VN080072.D

Acq: 13 Nov 2023 17:30

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#13

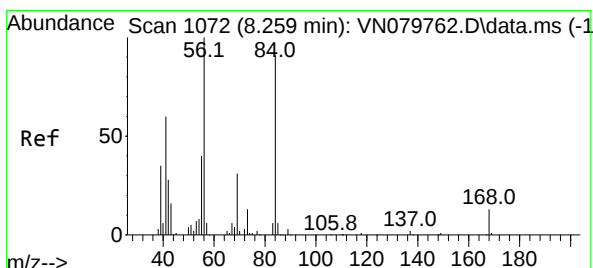
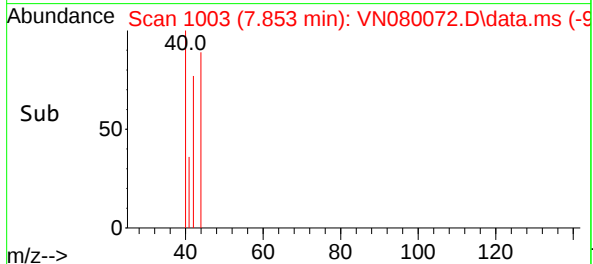
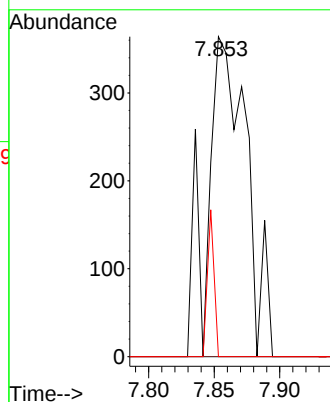
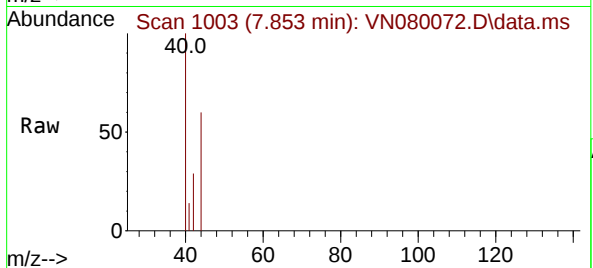
Tgt Ion: 42 Resp: 762

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 7.7 47.4 71.2#



#31

Cyclohexane

Concen: 1.274 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

Lab File: VN080072.D

Acq: 13 Nov 2023 17:30

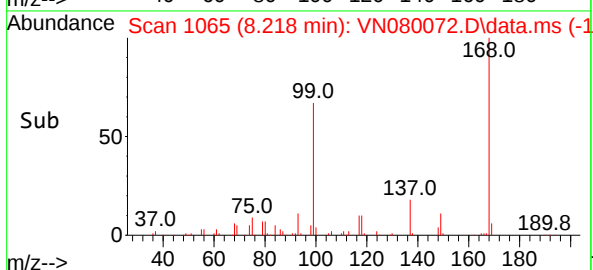
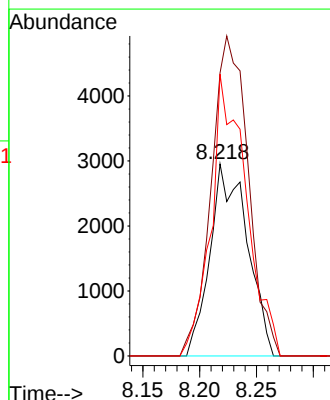
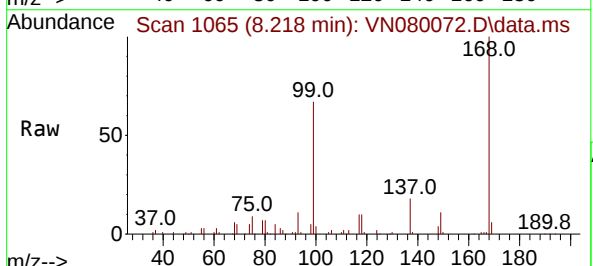
Tgt Ion: 56 Resp: 6729

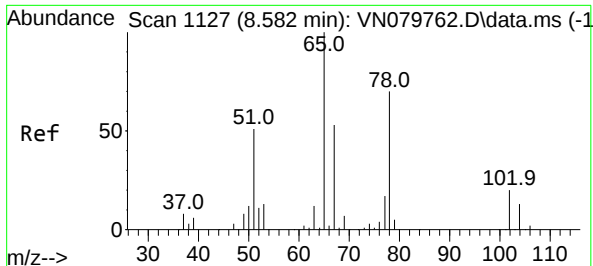
Ion Ratio Lower Upper

56 100

69 147.4 26.8 40.2#

84 146.8 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 63.787 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080072.D

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MSVOA_N

ClientSampleId :

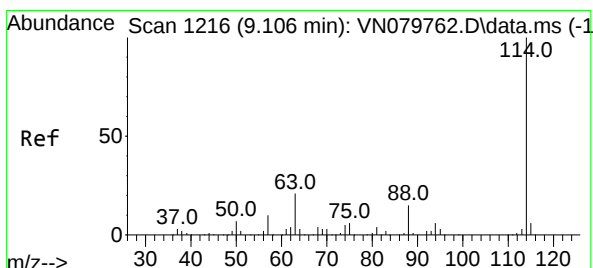
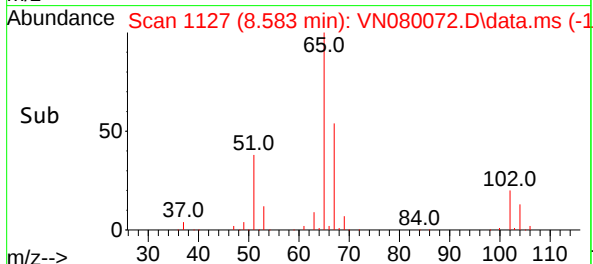
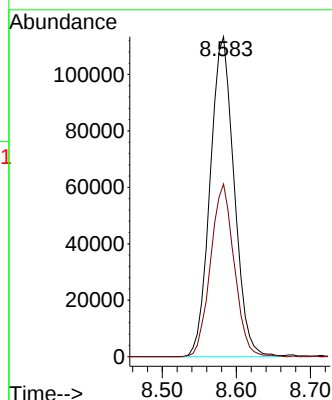
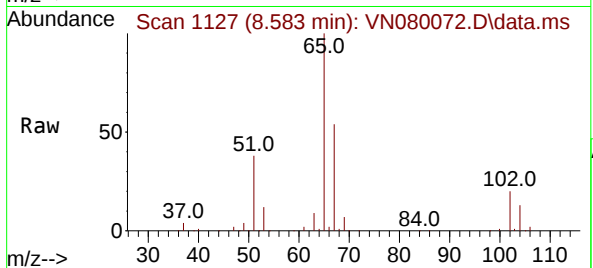
PB157075ZHE#13

Tgt Ion: 65 Resp: 254897

Ion Ratio Lower Upper

65 100

67 53.2 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: VN080072.D

Acq: 13 Nov 2023 17:30

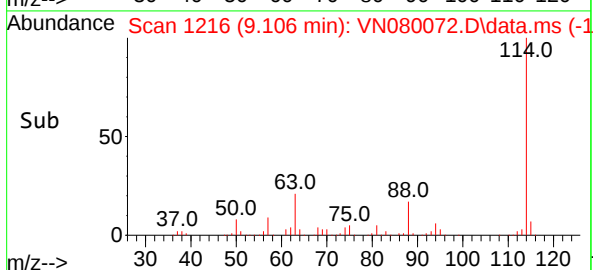
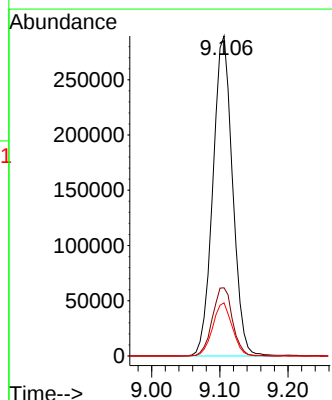
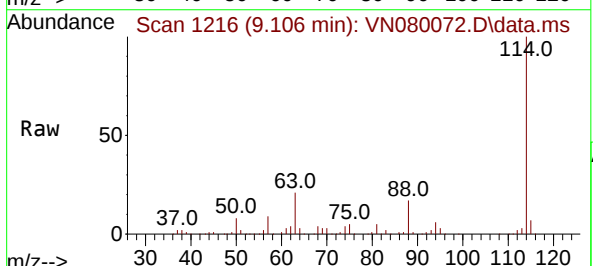
Tgt Ion: 114 Resp: 581896

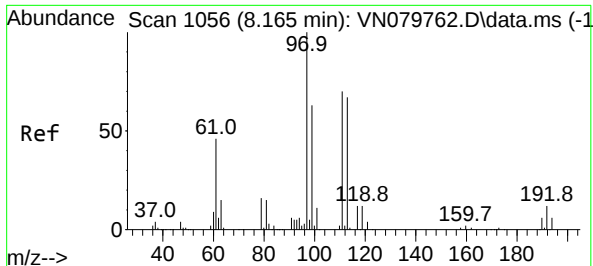
Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 16.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.275 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080072.D

Acq: 13 Nov 2023 17:30

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#13

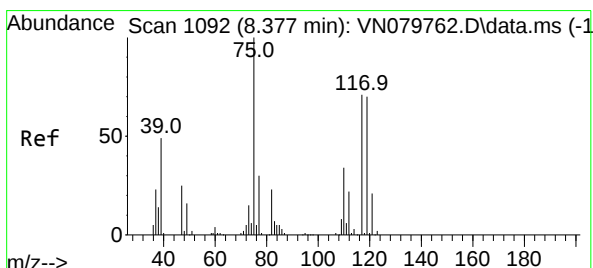
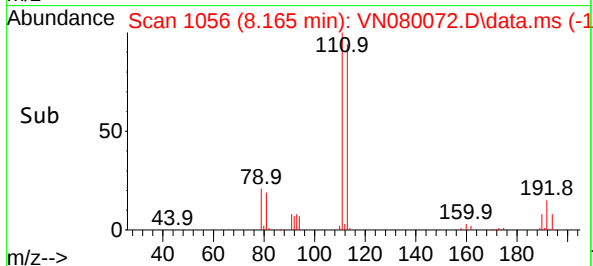
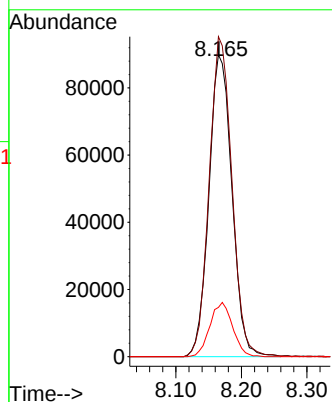
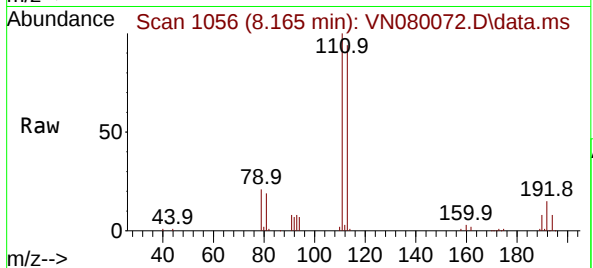
Tgt Ion:113 Resp: 219411

Ion Ratio Lower Upper

113 100

111 104.2 82.6 123.8

192 17.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.071 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN080072.D

Acq: 13 Nov 2023 17:30

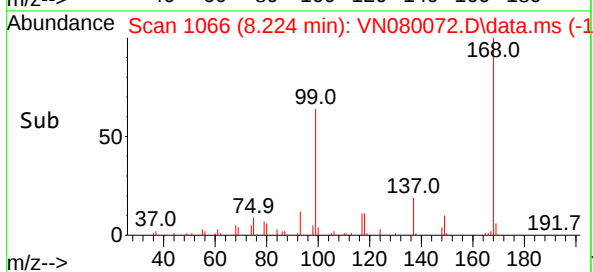
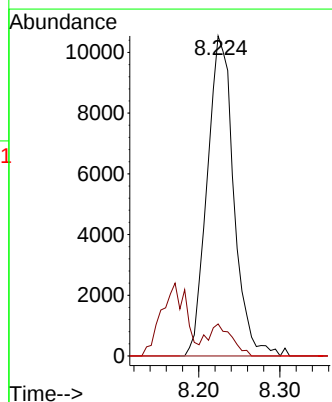
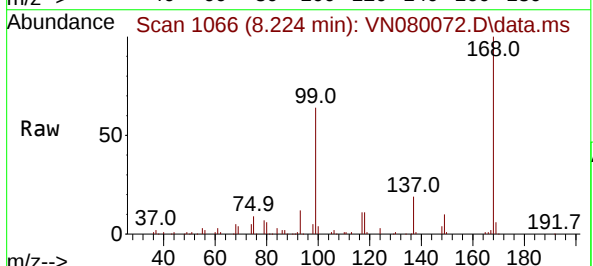
Tgt Ion: 75 Resp: 23942

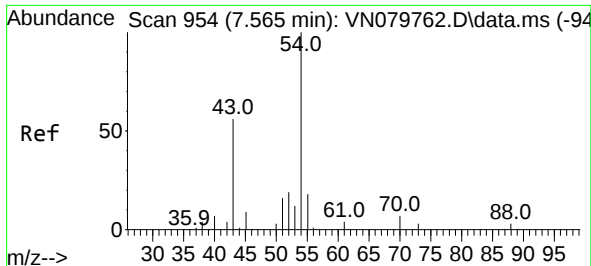
Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

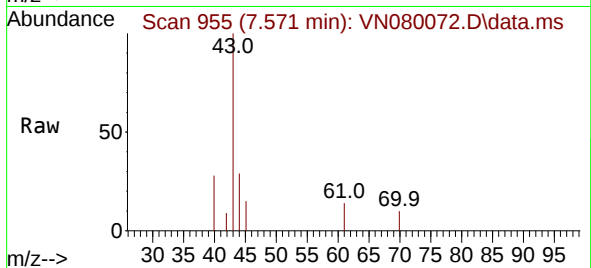
77 0.0 25.0 37.4#



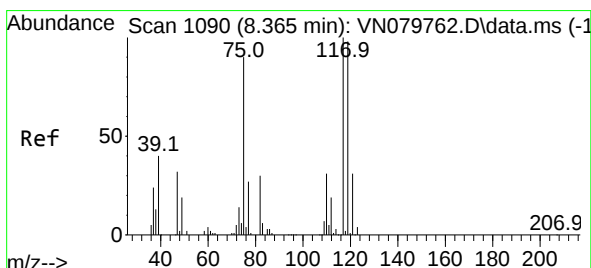
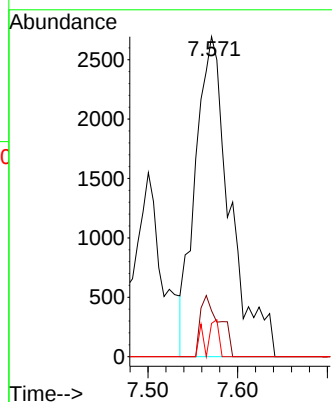
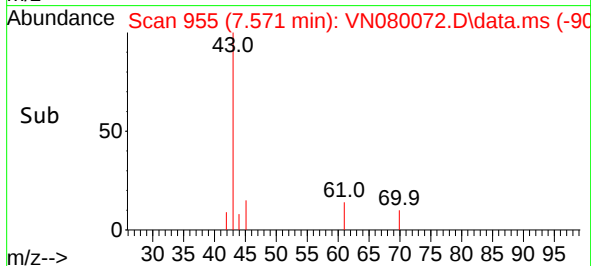


#37
Ethyl Acetate
Concen: 1.340 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#13

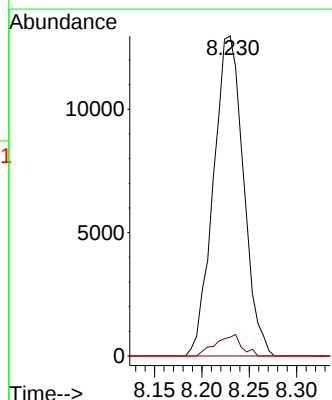
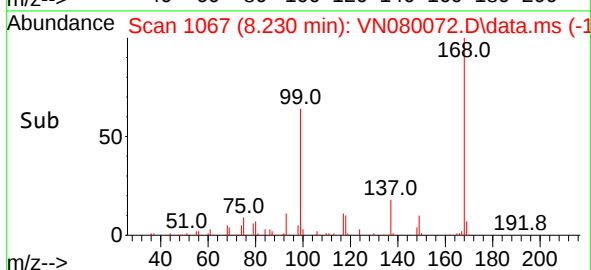
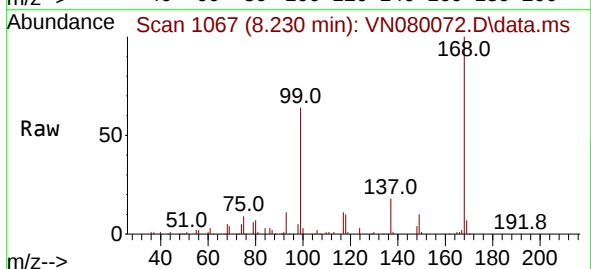


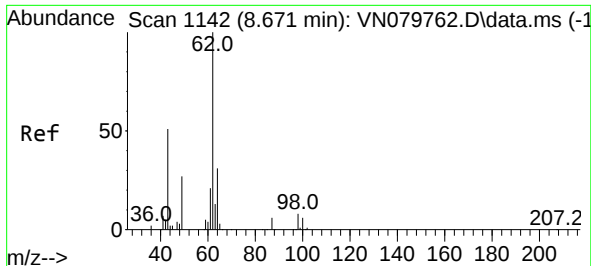
Tgt Ion: 43 Resp: 7228
Ion Ratio Lower Upper
43 100
61 10.7 13.2 19.8#
70 4.2 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.836 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

Tgt Ion: 117 Resp: 28659
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.333 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN080072.D

Acq: 13 Nov 2023 17:30

Instrument :

MSVOA_N

ClientSampleId :

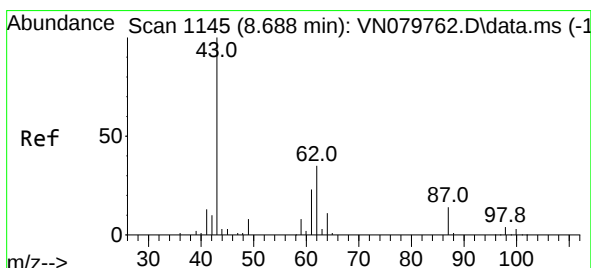
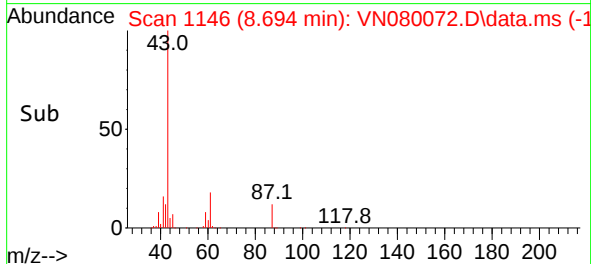
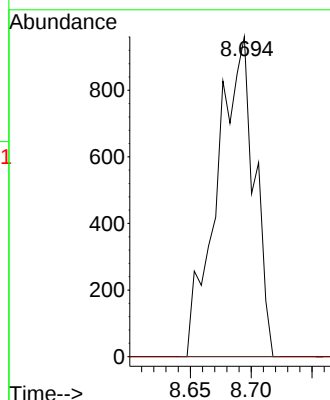
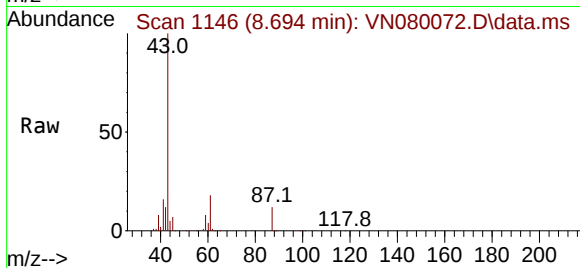
PB157075ZHE#13

Tgt Ion: 62 Resp: 2048

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 33.505 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080072.D

Acq: 13 Nov 2023 17:30

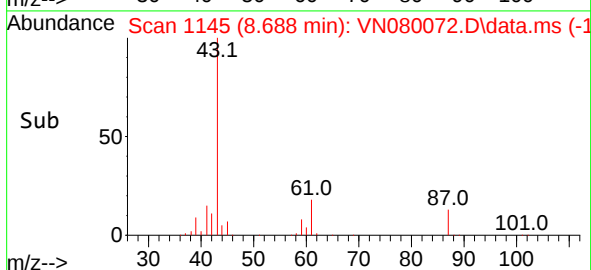
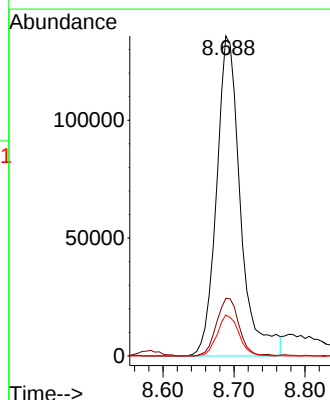
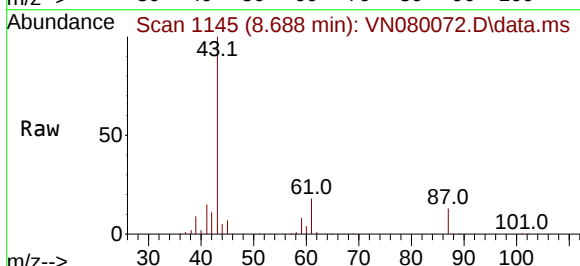
Tgt Ion: 43 Resp: 316886

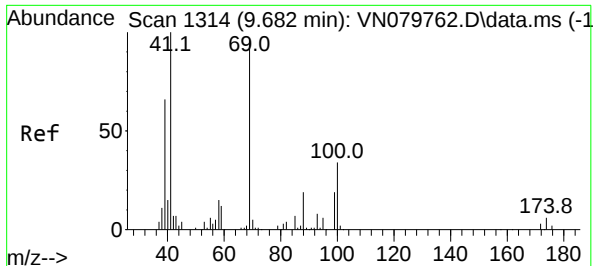
Ion Ratio Lower Upper

43 100

61 17.0 24.7 37.1#

87 11.6 14.6 21.8#

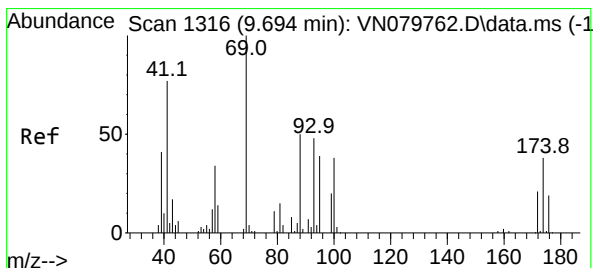
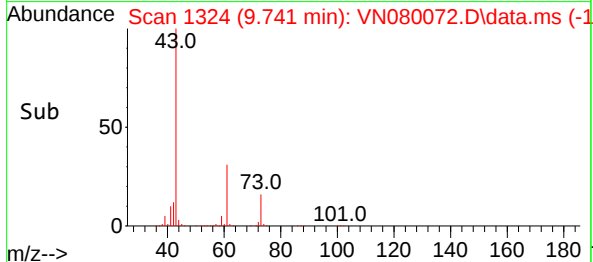
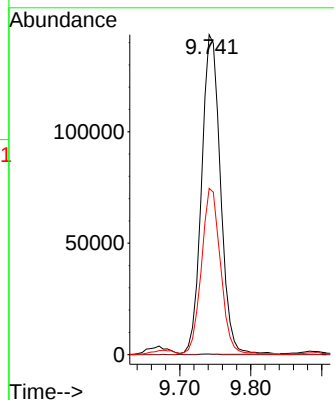
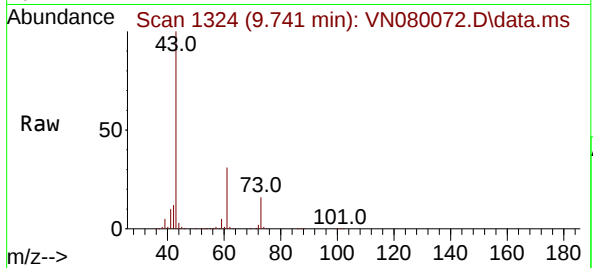




#48
Methyl methacrylate
Concen: 63.804 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

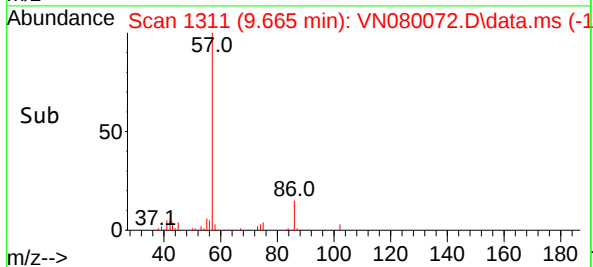
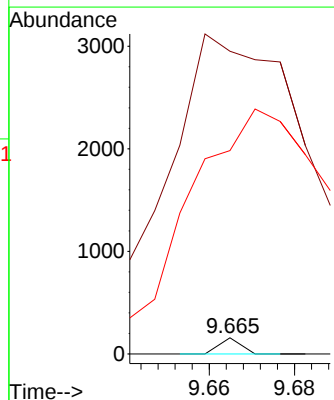
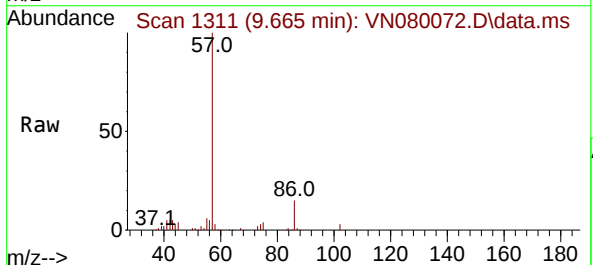
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#13

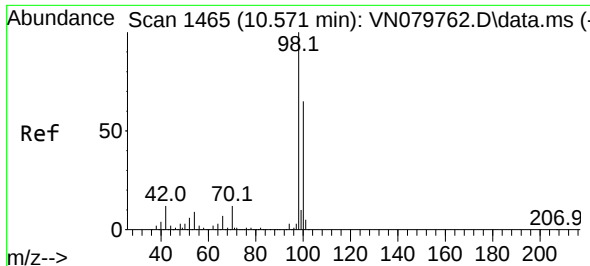
Tgt Ion: 41 Resp: 264316
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 53.4 54.6 81.8#



#49
1,4-Dioxane
Concen: 0.751 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.029 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 10150.9 47.0 70.4#

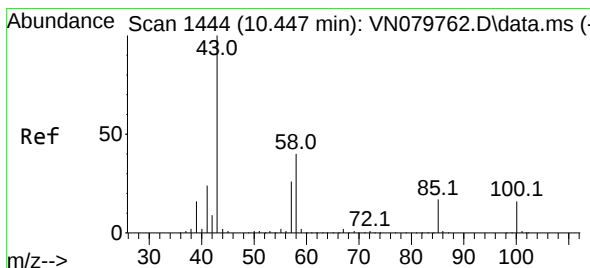
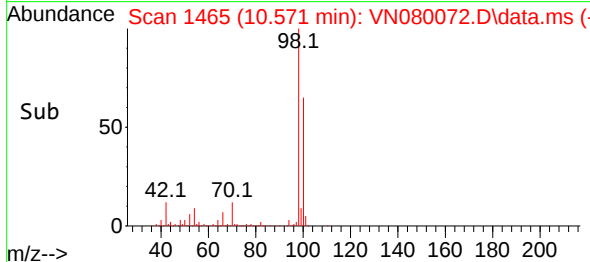
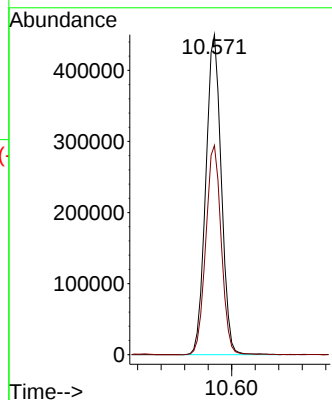
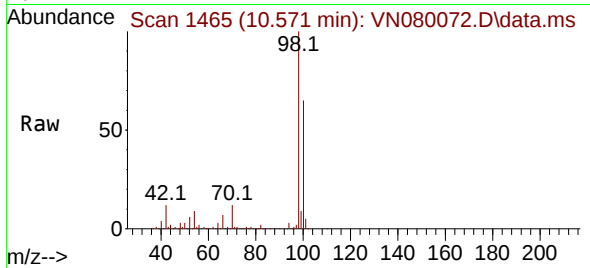




#50
Toluene-d8
Concen: 54.135 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

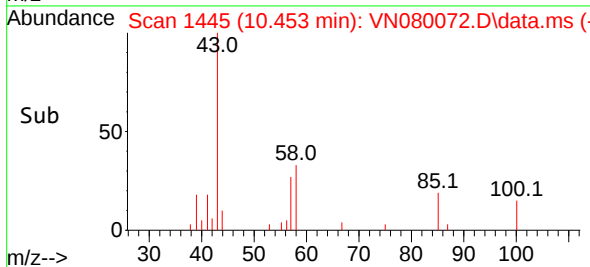
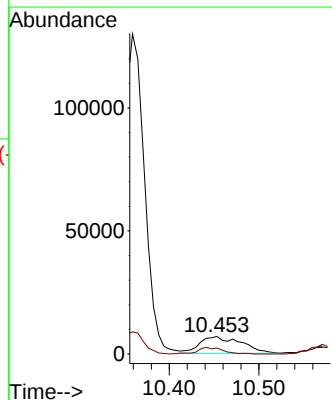
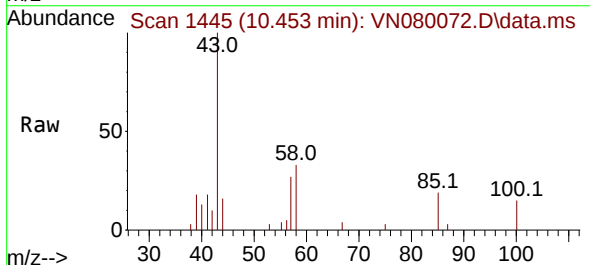
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#13

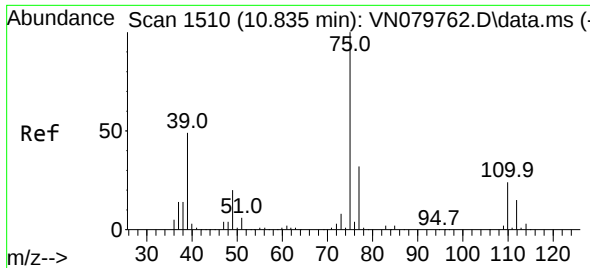
Tgt Ion: 98 Resp: 820770
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.148 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

Tgt Ion: 43 Resp: 22086
Ion Ratio Lower Upper
43 100
58 23.4 36.6 54.8#

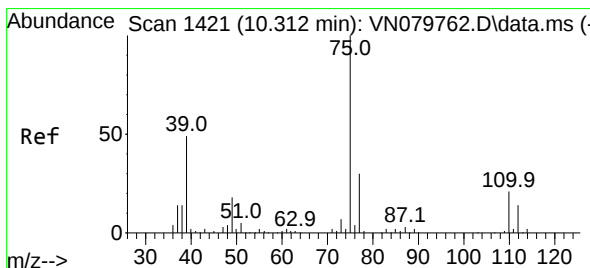
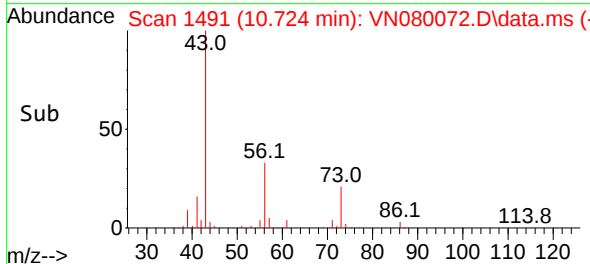
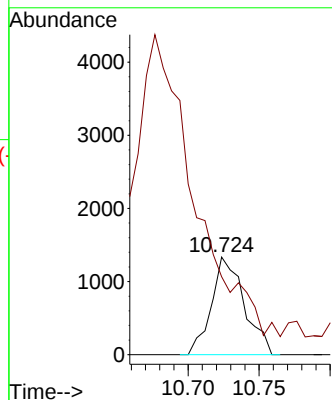
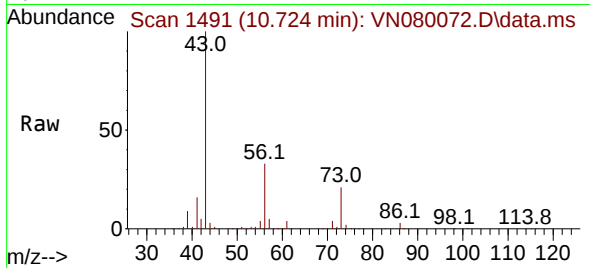




#53
 t-1,3-Dichloropropene
 Concen: 0.334 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.117 min
 Lab File: VN080072.D
 Acq: 13 Nov 2023 17:30

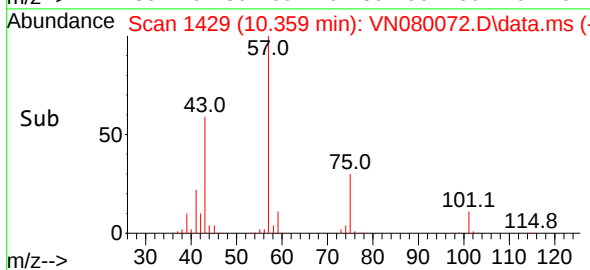
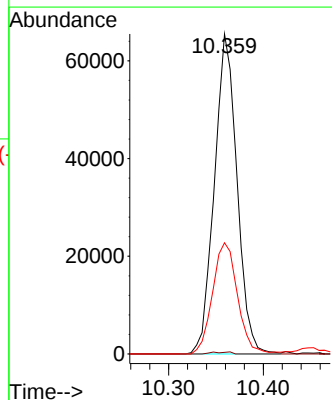
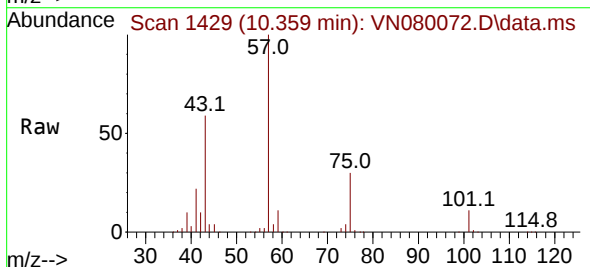
Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#13

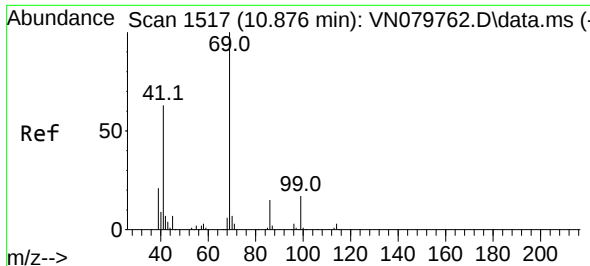
Tgt Ion: 75 Resp: 2143
 Ion Ratio Lower Upper
 75 100
 77 61.2 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 15.507 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080072.D
 Acq: 13 Nov 2023 17:30

Tgt Ion: 75 Resp: 108606
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 34.8 31.6 47.4

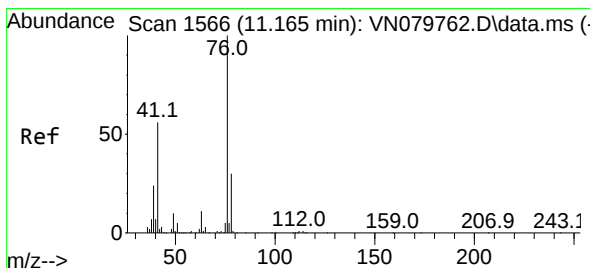
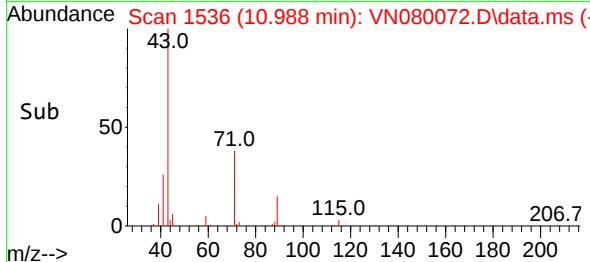
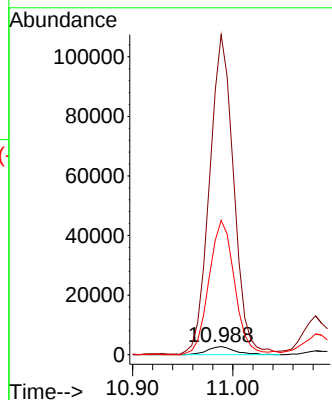
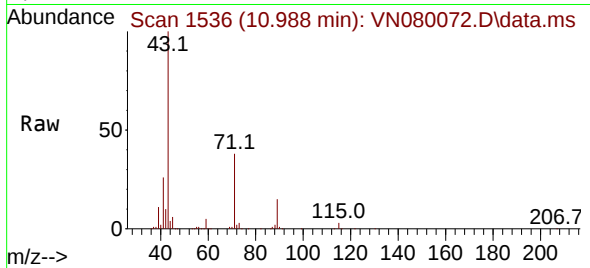




#56
Ethyl methacrylate
Concen: 0.867 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

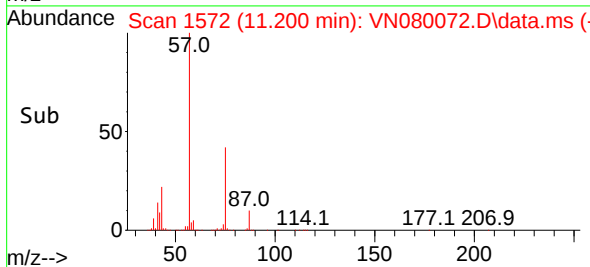
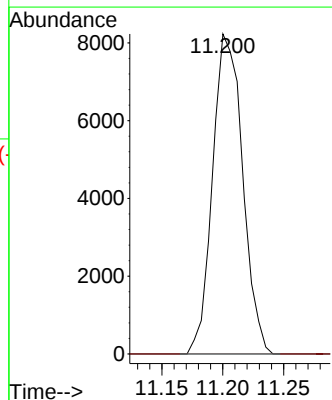
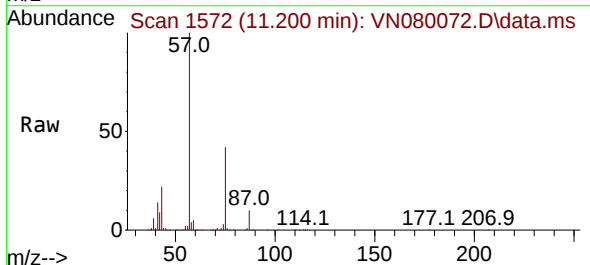
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#13

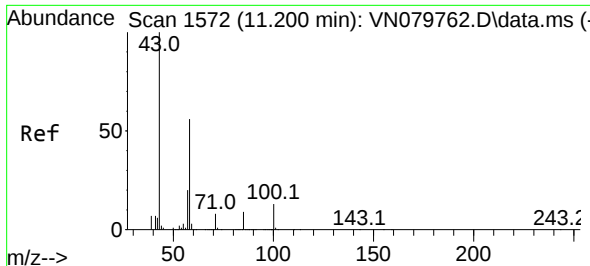
Tgt Ion: 69 Resp: 5194
Ion Ratio Lower Upper
69 100
41 3451.6 39.6 59.4#
39 1533.0 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.905 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

Tgt Ion: 76 Resp: 14104
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

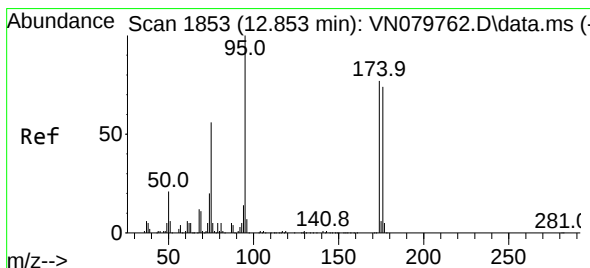
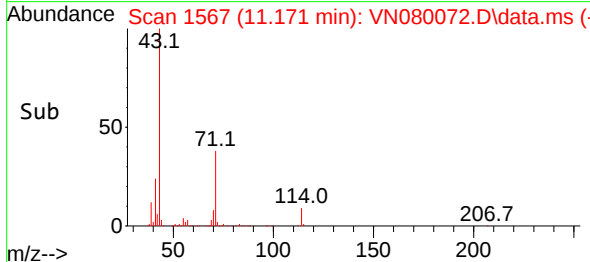
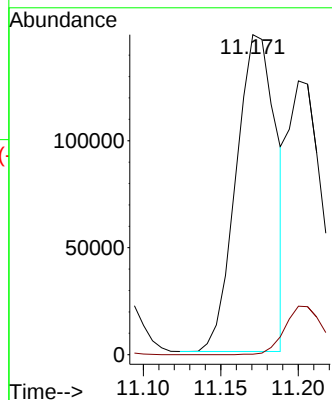
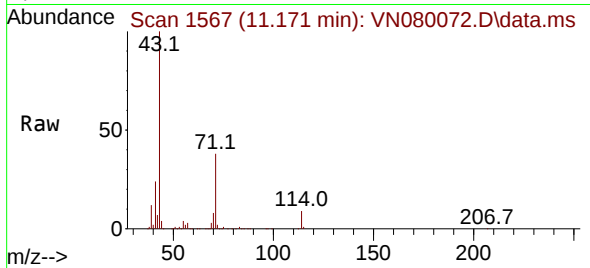




#59
2-Hexanone
Concen: 65.241 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.029 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

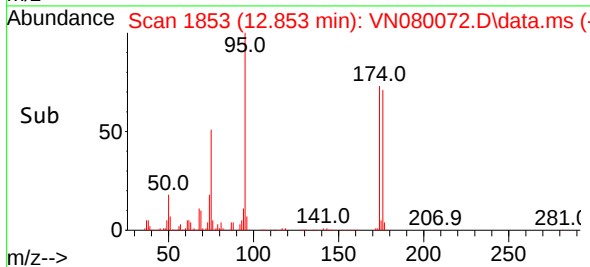
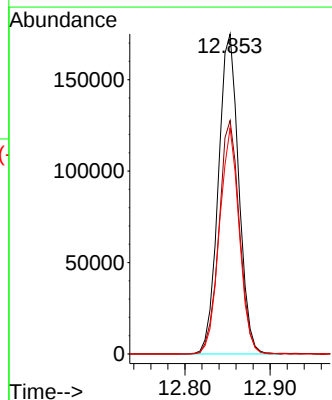
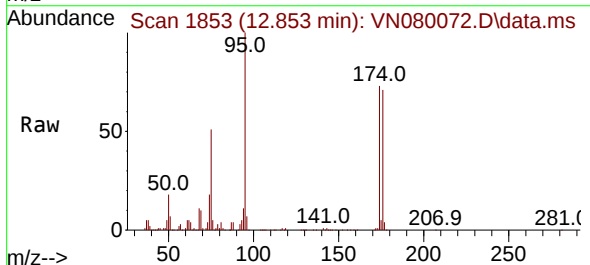
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#13

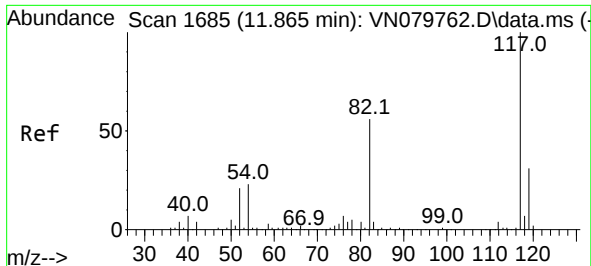
Tgt Ion: 43 Resp: 265749
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 57.718 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

Tgt Ion: 95 Resp: 290224
Ion Ratio Lower Upper
95 100
174 73.6 0.0 143.8
176 68.5 0.0 135.8

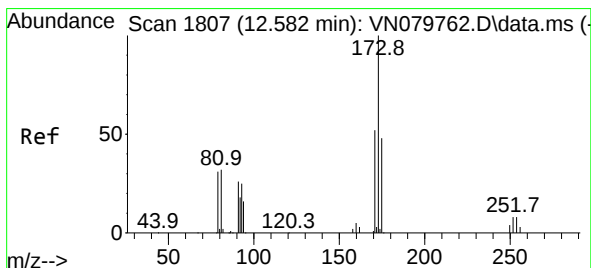
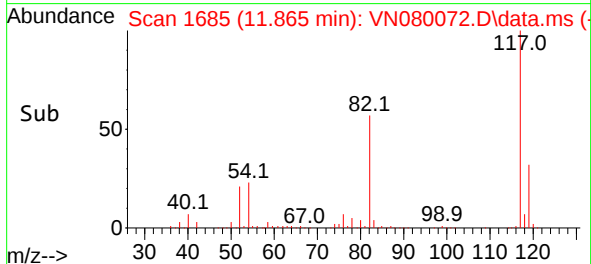
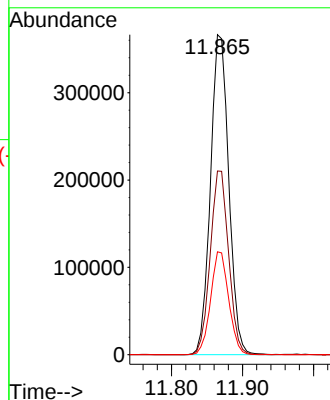
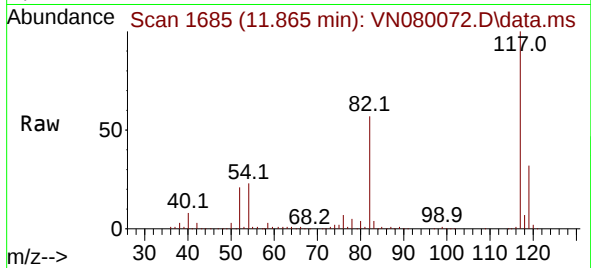




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

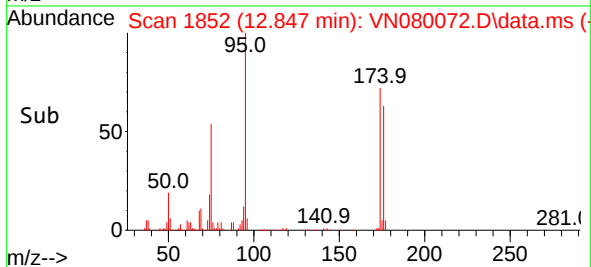
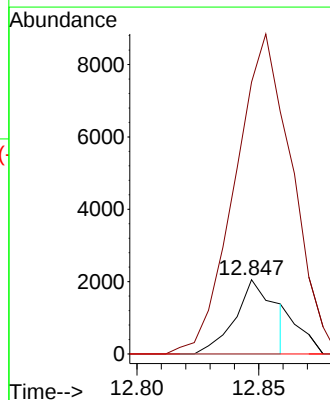
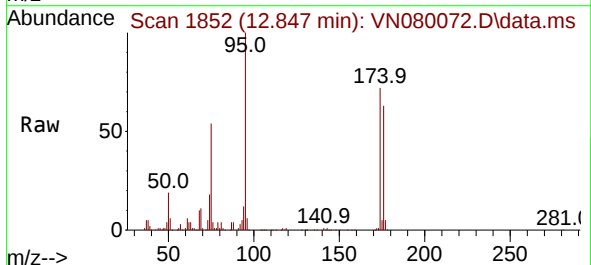
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#13

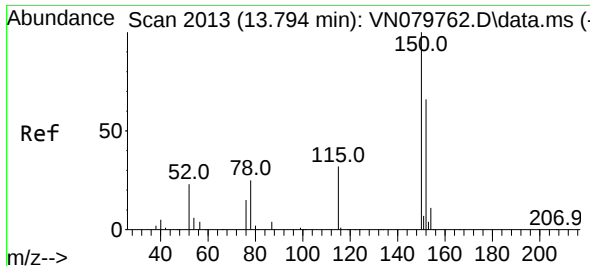
Tgt Ion:117 Resp: 655151
Ion Ratio Lower Upper
117 100
82 57.4 44.0 66.0
119 32.2 25.6 38.4



#71
Bromoform
Concen: 0.651 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

Tgt Ion:173 Resp: 2367
Ion Ratio Lower Upper
173 100
175 489.9 24.3 73.0#
254 0.0 0.0 0.0

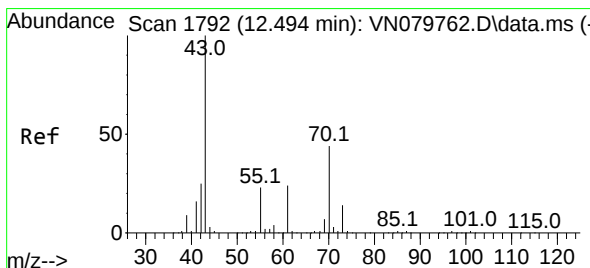
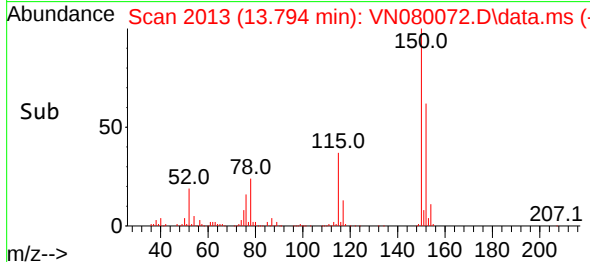
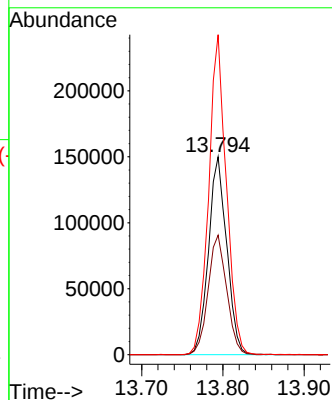
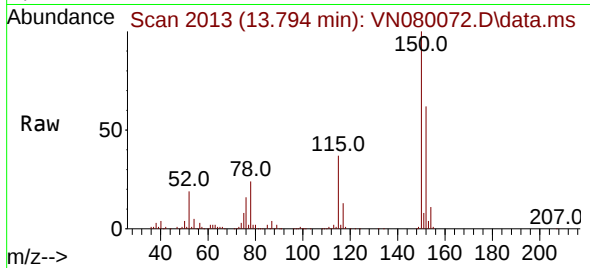




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

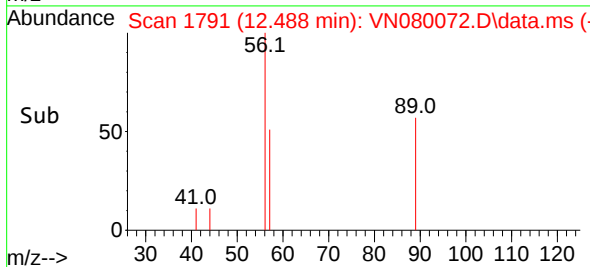
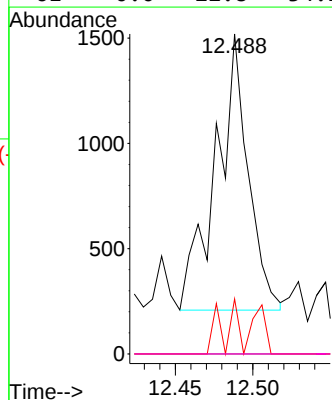
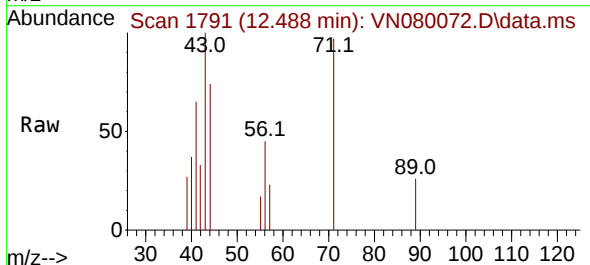
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#13

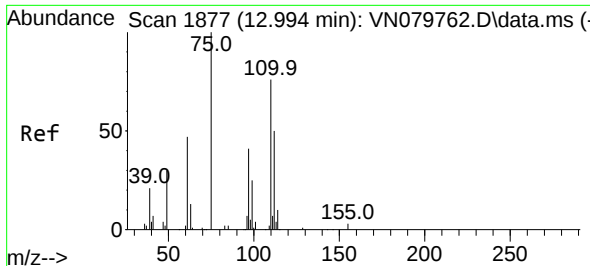
Tgt Ion:152 Resp: 233601
Ion Ratio Lower Upper
152 100
115 61.6 32.3 96.8
150 156.7 0.0 355.8



#74
N-ethyl acetate
Concen: 0.245 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

Tgt Ion: 43 Resp: 1896
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 7.4 21.4 32.0#
61 0.0 22.8 34.2#

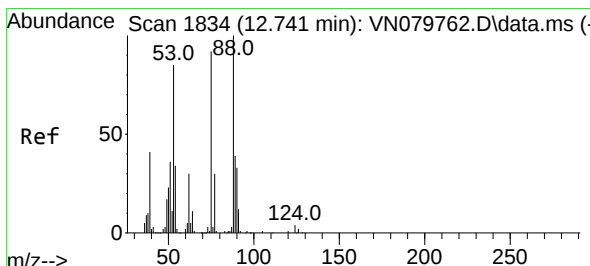
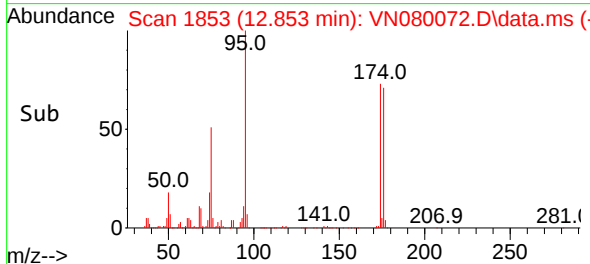
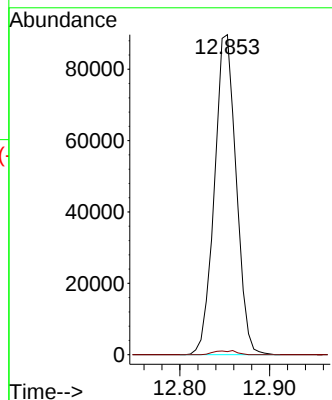
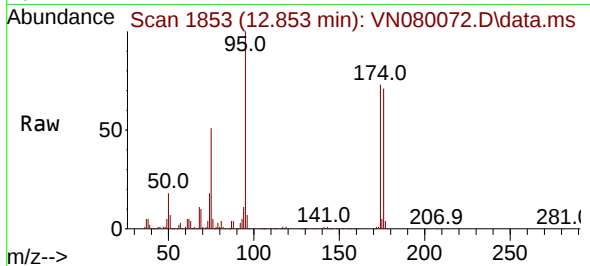




#76
1,2,3-Trichloropropane
Concen: 27.515 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#13

Tgt Ion: 75 Resp: 150898
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.861 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080072.D
Acq: 13 Nov 2023 17:30

Tgt Ion: 75 Resp: 150898
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

