

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080070.D
 Acq On : 13 Nov 2023 16:41
 Operator : JC\MD
 Sample : PB157075ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#11

Quant Time: Nov 14 19:25:24 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)

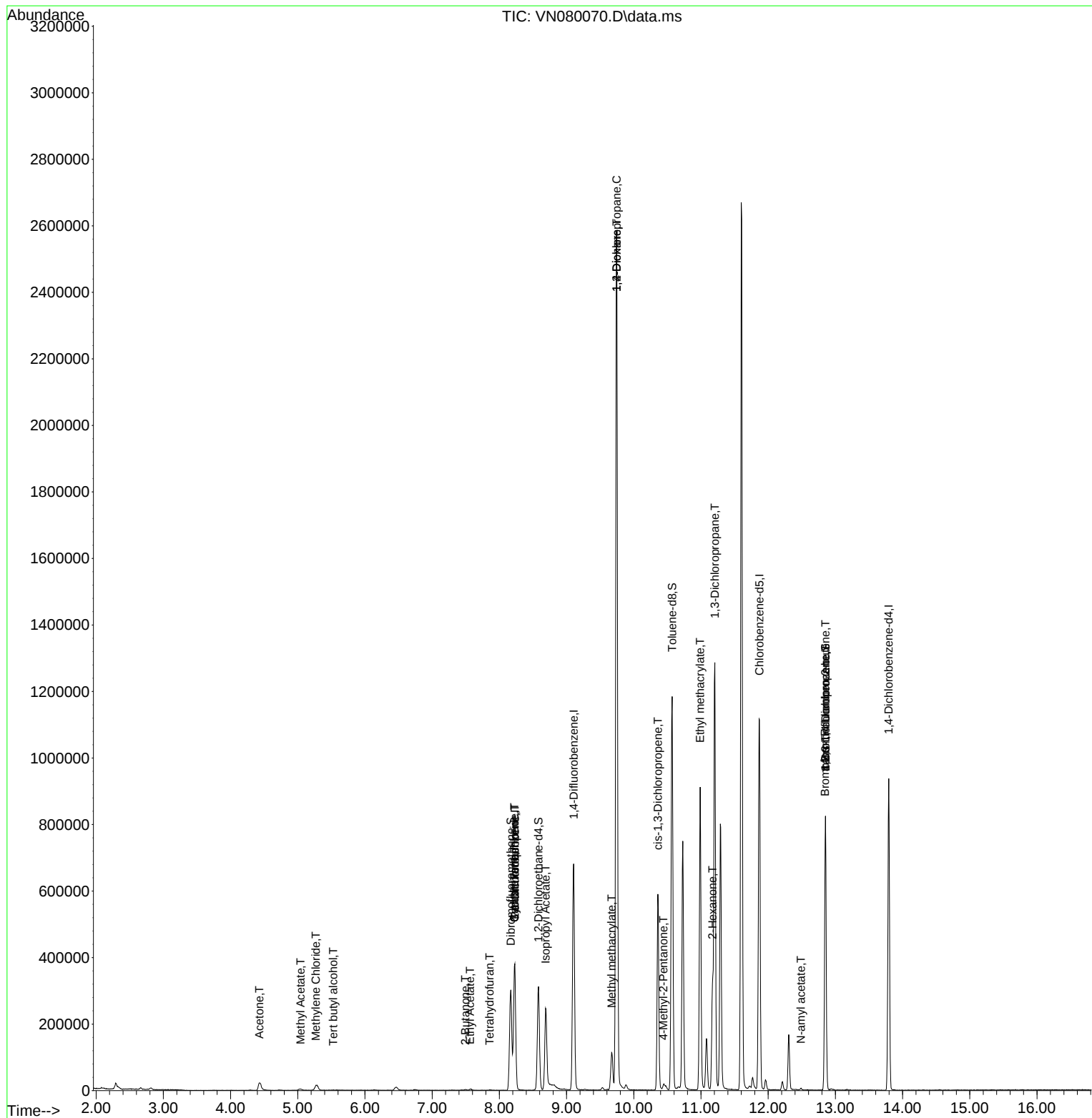
Internal Standards						
1) Pentafluorobenzene	8.230	168	268403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	571648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	656317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	255779	62.550	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.100%#			
35) Dibromofluoromethane	8.171	113	217495	53.757	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.520%			
50) Toluene-d8	10.571	98	811653	54.494	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.980%			
62) 4-Bromofluorobenzene	12.853	95	281349	56.956	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.920%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	560	Below Cal	#	42
11) Tert butyl alcohol	5.530	59	123	0.236	ug/l #	72
16) Acetone	4.430	43	47012	32.730	ug/l #	86
18) Methyl Acetate	5.042	43	7456	1.085	ug/l #	83
20) Methylene Chloride	5.271	84	13138	3.625	ug/l	95
25) 2-Butanone	7.494	43	3784	1.799	ug/l	91
29) Tetrahydrofuran	7.853	42	879	0.642	ug/l #	20
31) Cyclohexane	8.224	56	6603	1.222	ug/l #	7
36) 1,1-Dichloropropene	8.230	75	23753	4.112	ug/l #	49
37) Ethyl Acetate	7.565	43	5833	1.101	ug/l #	89
38) Carbon Tetrachloride	8.224	117	29653	5.093	ug/l #	15
43) Isopropyl Acetate	8.688	43	272356	29.313	ug/l #	82
45) 1,2-Dichloropropane	9.747	63	3007	0.680	ug/l #	45
48) Methyl methacrylate	9.671	41	7349	1.806	ug/l #	3
49) 1,4-Dioxane	9.747	88	371	5.159	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	20822	3.981	ug/l #	63
54) cis-1,3-Dichloropropene	10.359	75	98209	14.274	ug/l #	71
56) Ethyl methacrylate	10.988	69	5080	0.863	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	12917	1.776	ug/l #	42
59) 2-Hexanone	11.171	43	247897	61.949	ug/l #	19
71) Bromoform	12.847	173	1630	0.448	ug/l #	1
74) N-amyl acetate	12.488	43	2475	0.304	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	152402	26.427	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	152402	71.902	ug/l #	15

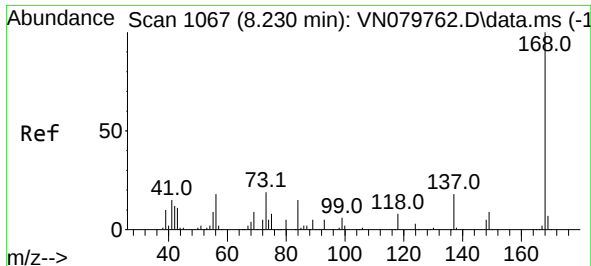
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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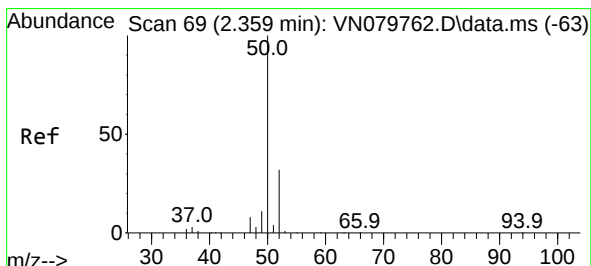
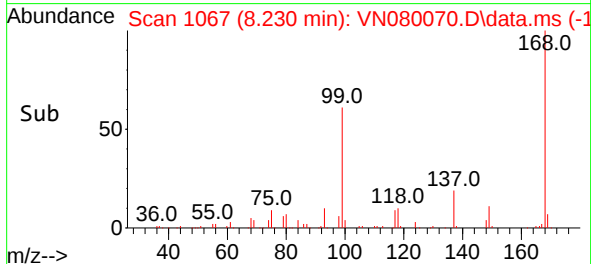
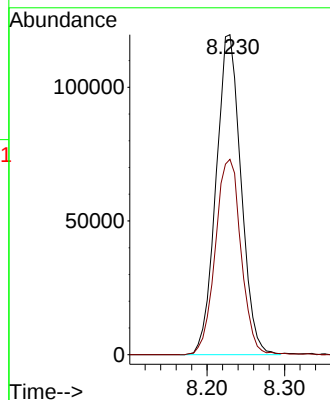
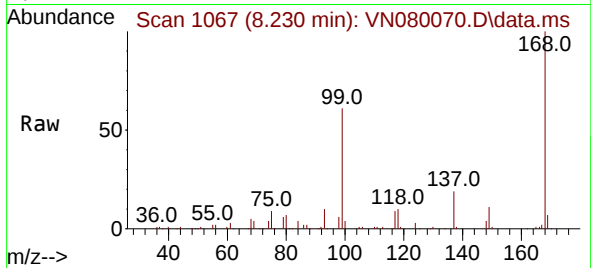




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

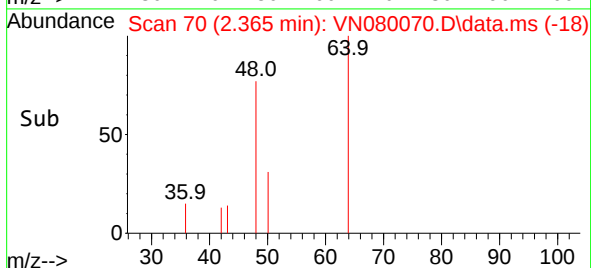
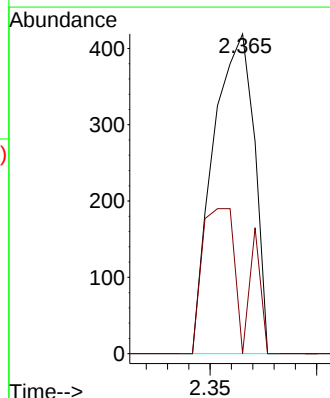
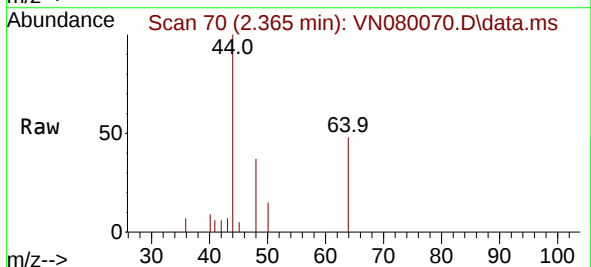
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#11

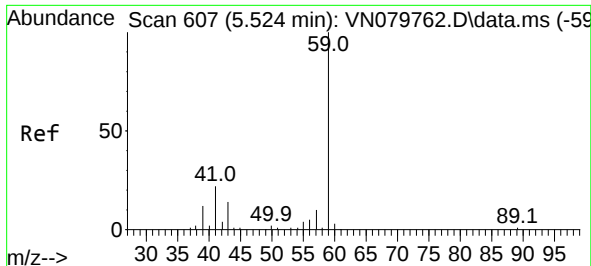
Tgt Ion:168 Resp: 268403
Ion Ratio Lower Upper
168 100
99 61.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

Tgt Ion: 50 Resp: 560
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#11

Tert butyl alcohol

Concen: 0.236 ug/l

RT: 5.530 min Scan# 607

Delta R.T. 0.012 min

Lab File: VN080070.D

Acq: 13 Nov 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

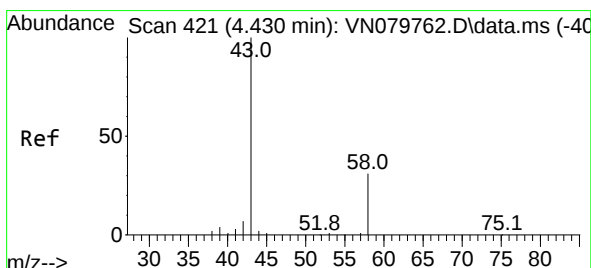
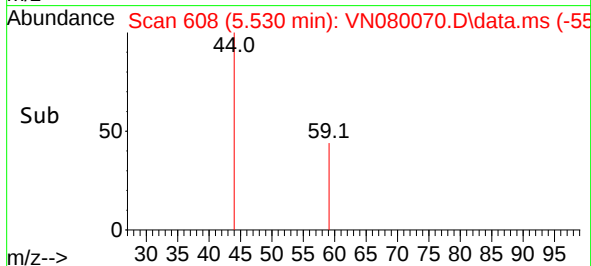
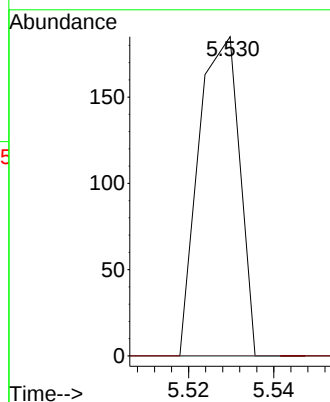
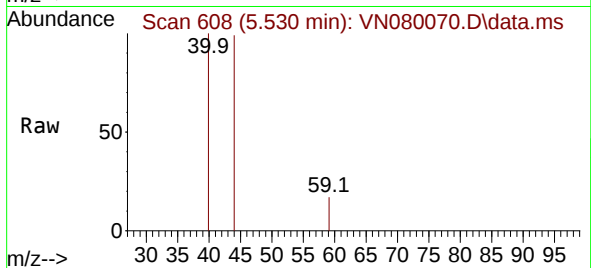
PB157075ZHE#11

Tgt Ion: 59 Resp: 123

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 32.730 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.000 min

Lab File: VN080070.D

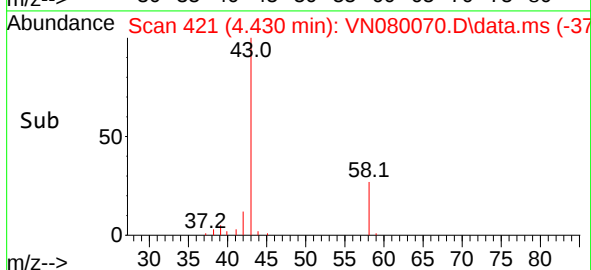
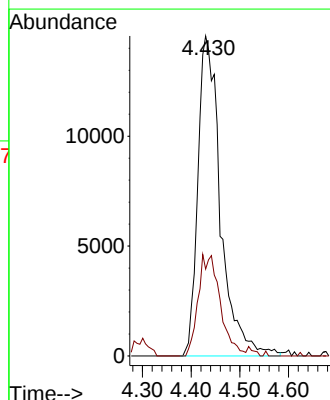
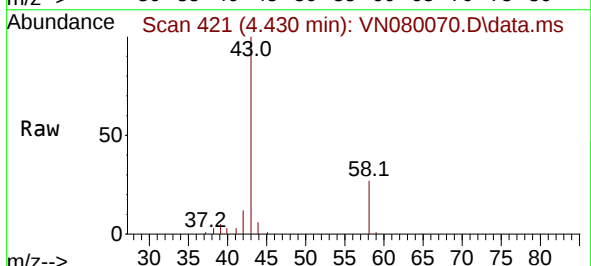
Acq: 13 Nov 2023 16:41

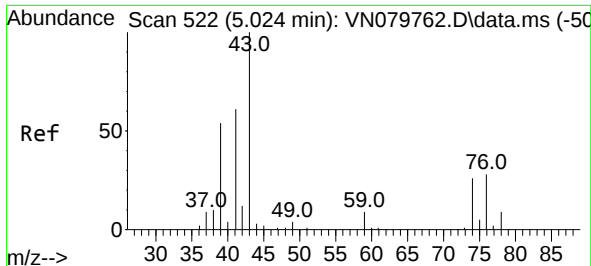
Tgt Ion: 43 Resp: 47012

Ion Ratio Lower Upper

43 100

58 27.1 28.0 42.0#





#18

Methyl Acetate

Concen: 1.085 ug/l

RT: 5.042 min Scan# 51

Delta R.T. 0.018 min

Lab File: VN080070.D

Acq: 13 Nov 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

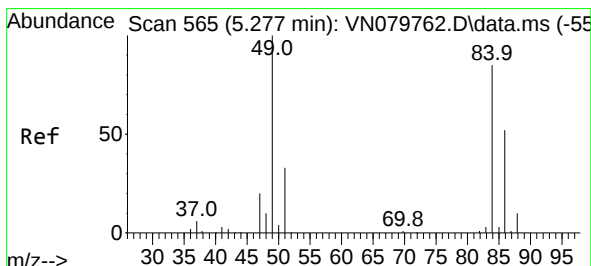
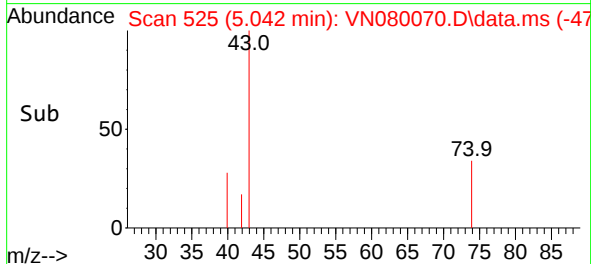
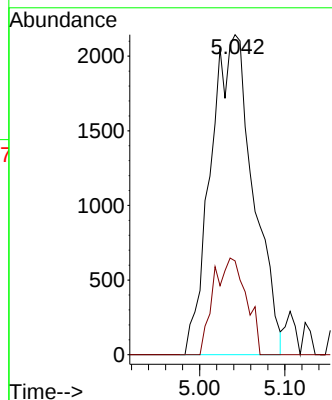
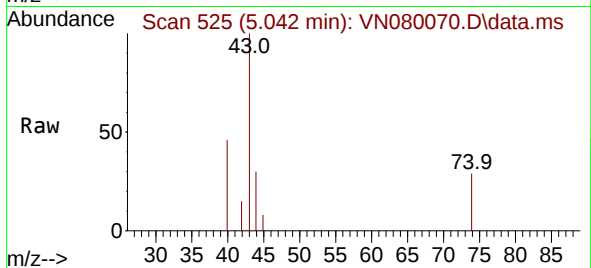
PB157075ZHE#11

Tgt Ion: 43 Resp: 7456

Ion Ratio Lower Upper

43 100

74 23.0 26.2 39.4#



#20

Methylene Chloride

Concen: 3.625 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.000 min

Lab File: VN080070.D

Acq: 13 Nov 2023 16:41

Tgt Ion: 84 Resp: 13138

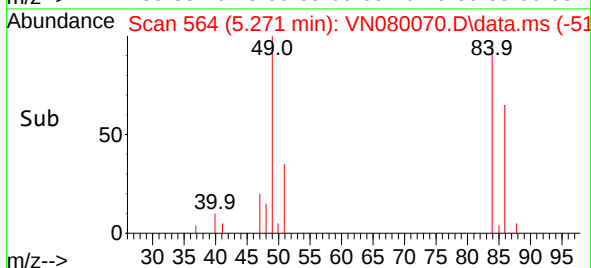
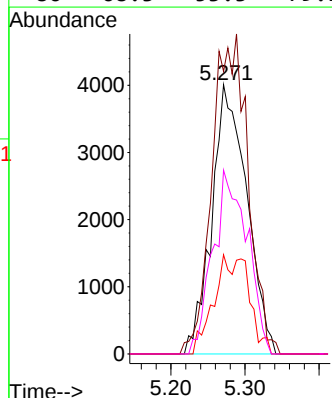
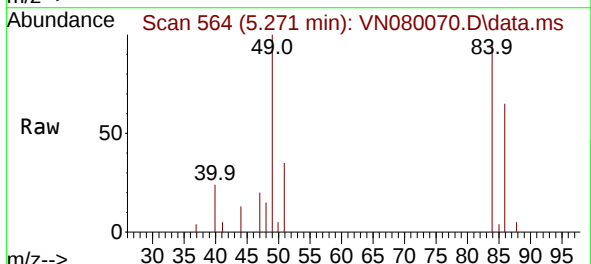
Ion Ratio Lower Upper

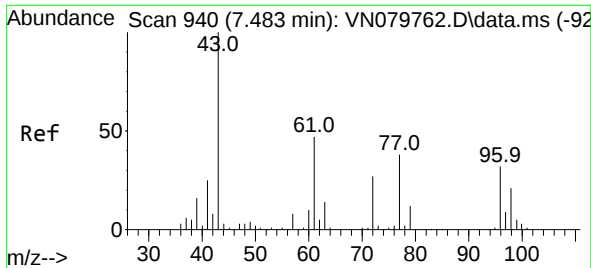
84 100

49 104.9 79.7 119.5

51 36.8 25.2 37.8

86 68.3 53.3 79.9

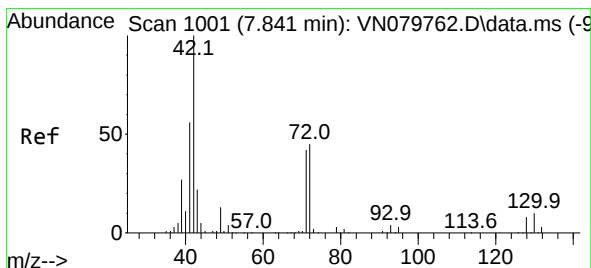
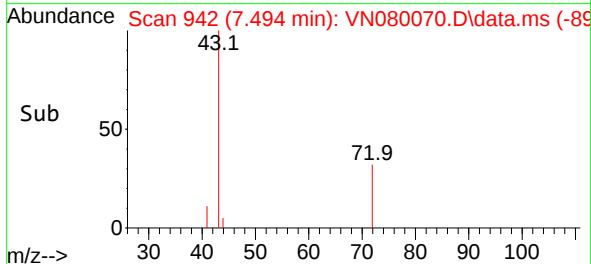
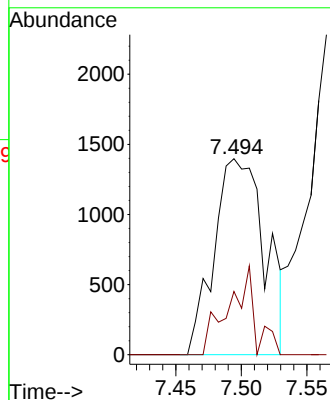
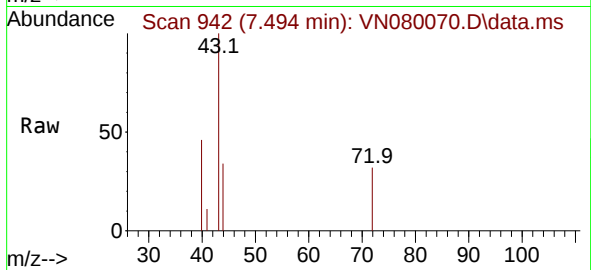




#25
2-Butanone
Concen: 1.799 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

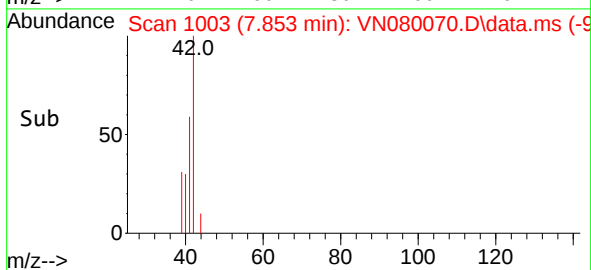
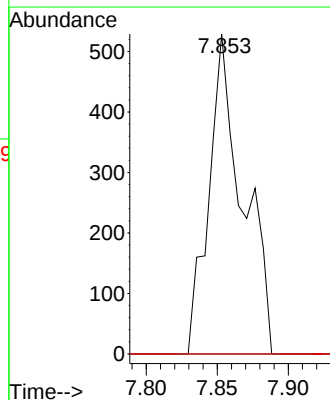
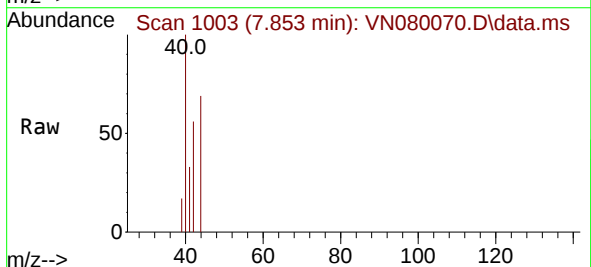
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#11

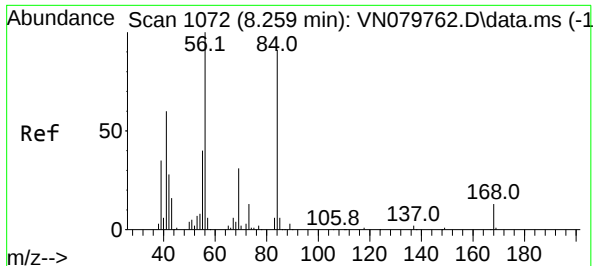
Tgt Ion: 43 Resp: 3784
Ion Ratio Lower Upper
43 100
72 32.3 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.642 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

Tgt Ion: 42 Resp: 879
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#

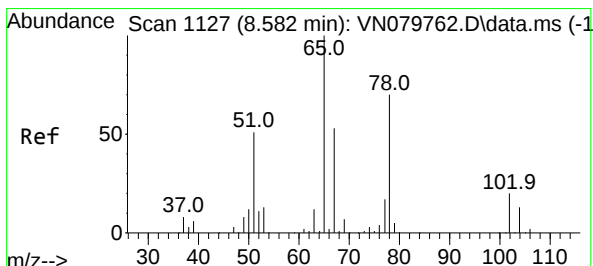
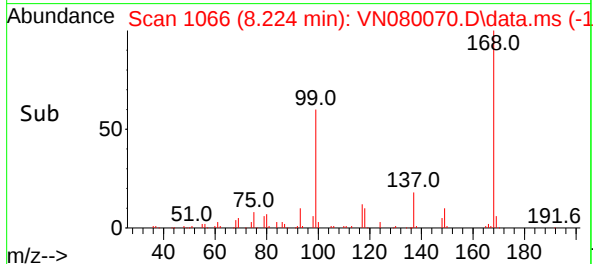
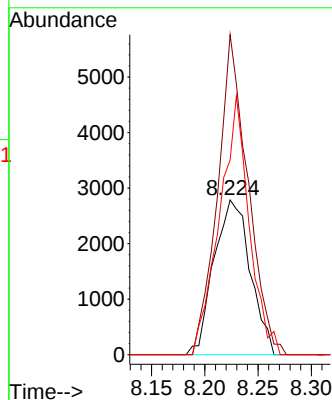
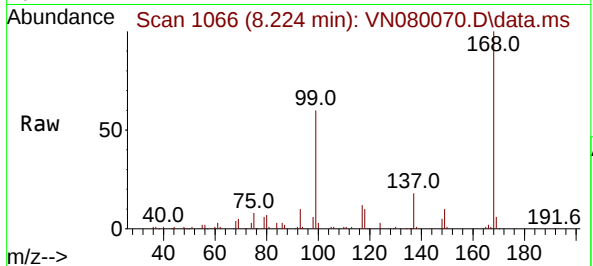




#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

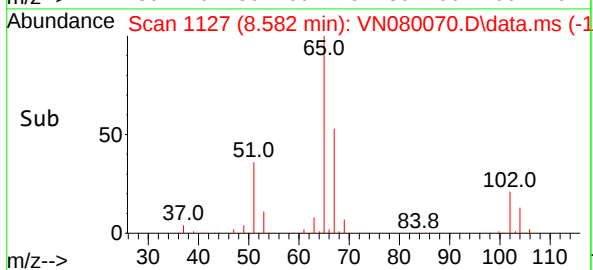
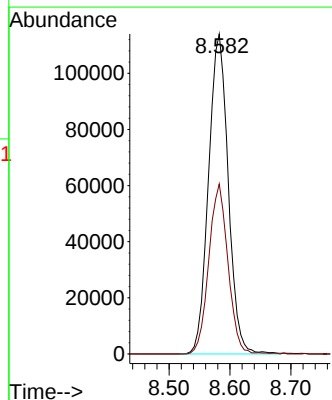
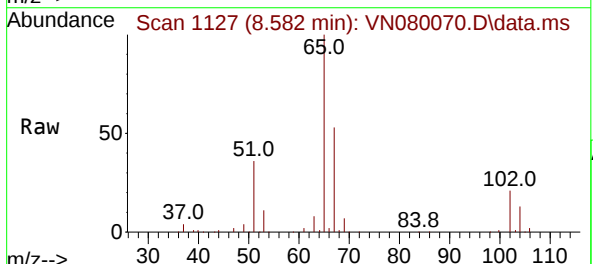
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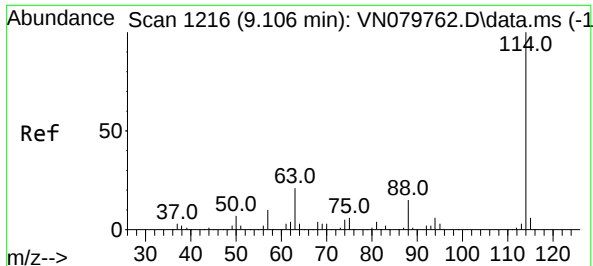
Tgt Ion: 56 Resp: 6603
Ion Ratio Lower Upper
56 100
69 206.9 26.8 40.2#
84 125.9 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 62.550 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

Tgt Ion: 65 Resp: 255779
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# 1

Delta R.T. 0.000 min

Lab File: VN080070.D

Acq: 13 Nov 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#11

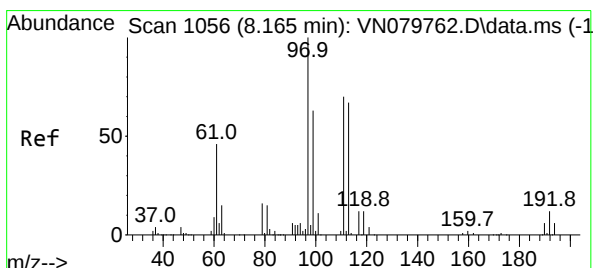
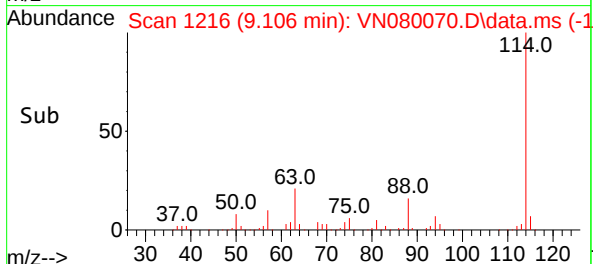
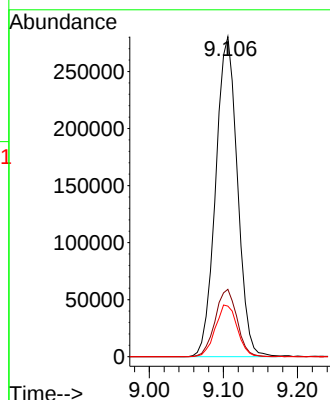
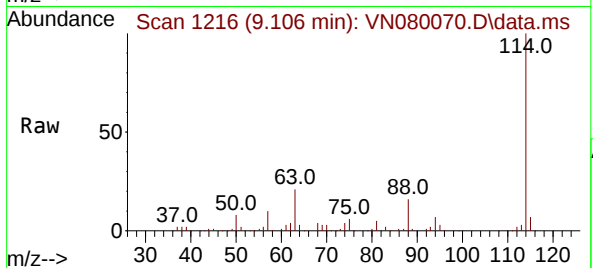
Tgt Ion:114 Resp: 571648

Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.757 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080070.D

Acq: 13 Nov 2023 16:41

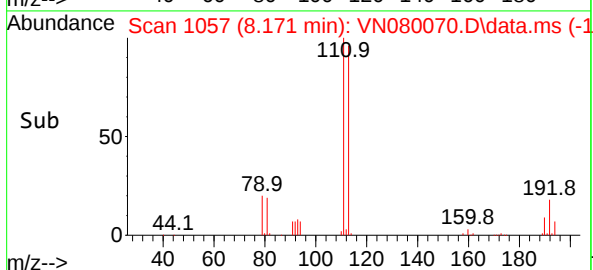
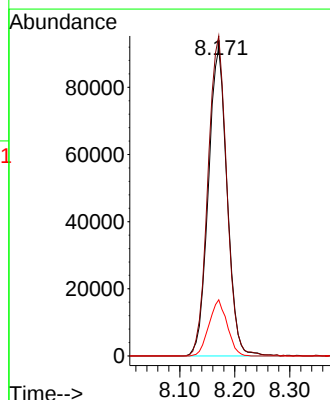
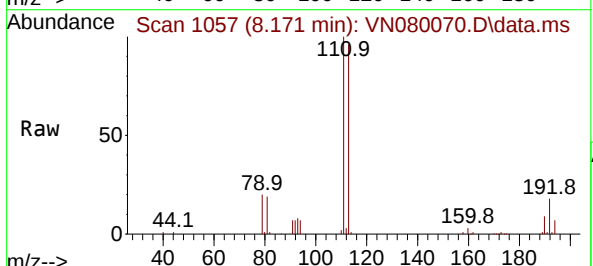
Tgt Ion:113 Resp: 217495

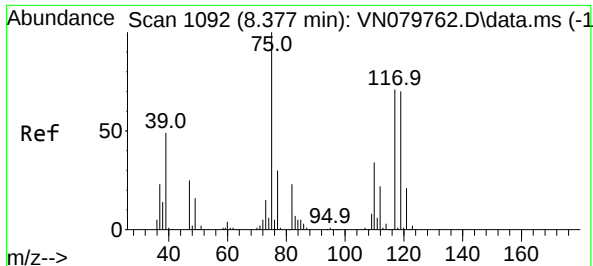
Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

192 17.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.112 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN080070.D

Acq: 13 Nov 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#11

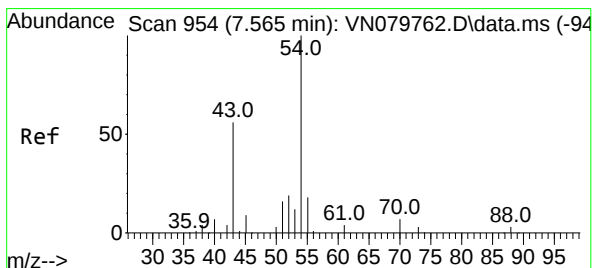
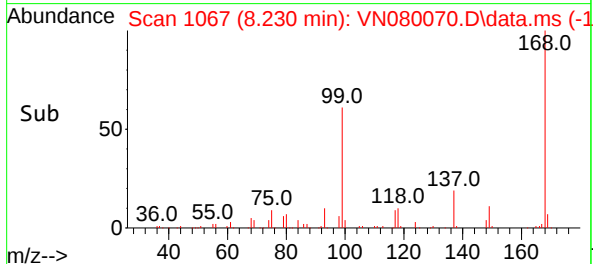
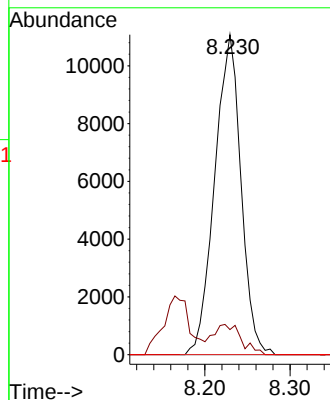
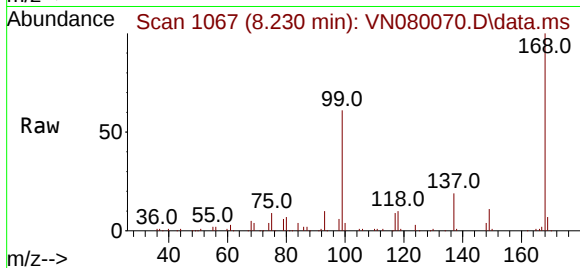
Tgt Ion: 75 Resp: 23753

Ion Ratio Lower Upper

75 100

110 10.2 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.101 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.000 min

Lab File: VN080070.D

Acq: 13 Nov 2023 16:41

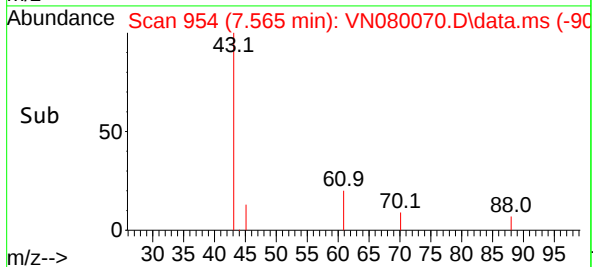
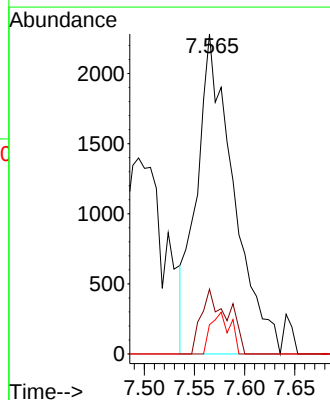
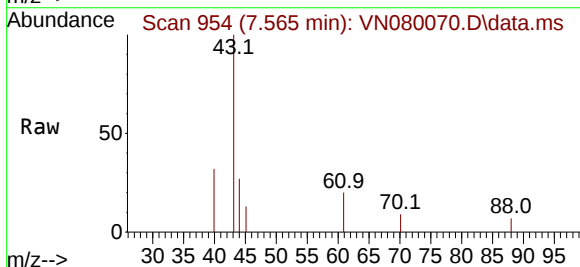
Tgt Ion: 43 Resp: 5833

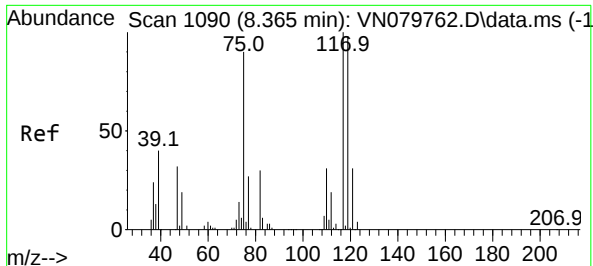
Ion Ratio Lower Upper

43 100

61 14.5 13.2 19.8

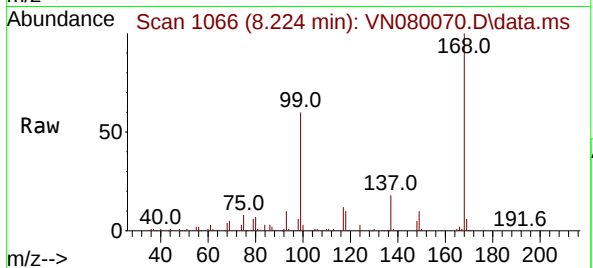
70 6.9 11.3 16.9#



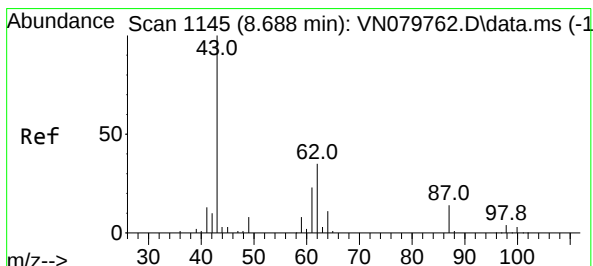
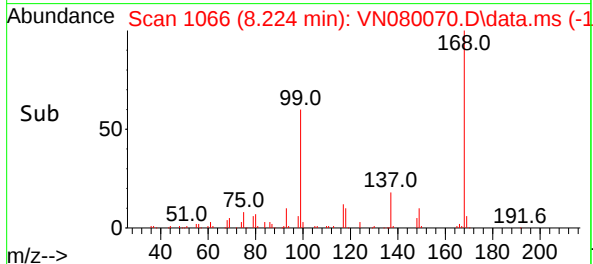
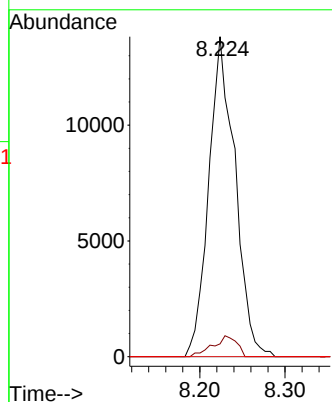


#38
Carbon Tetrachloride
Concen: 5.093 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#11

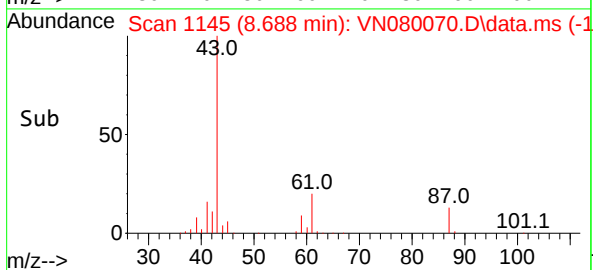
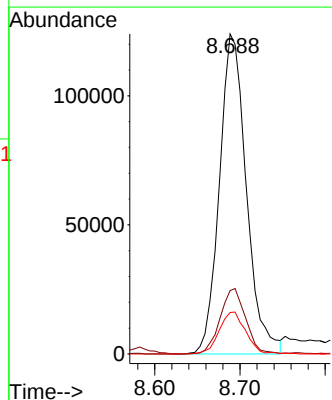
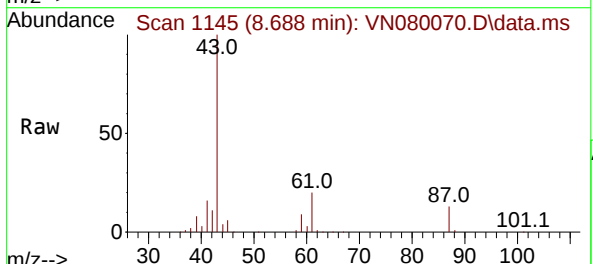


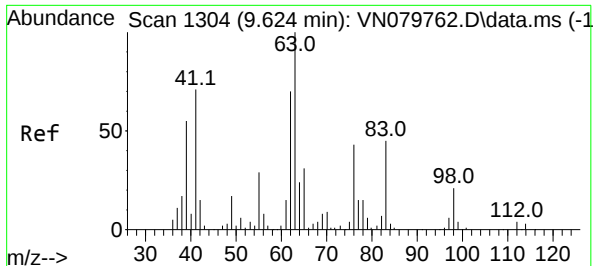
Tgt Ion:117 Resp: 29653
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 29.313 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

Tgt Ion: 43 Resp: 272356
Ion Ratio Lower Upper
43 100
61 19.4 24.7 37.1#
87 12.9 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.680 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN080070.D

Acq: 13 Nov 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :

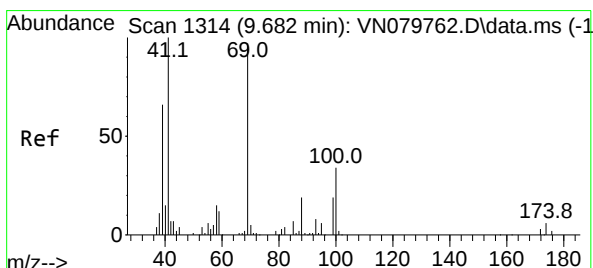
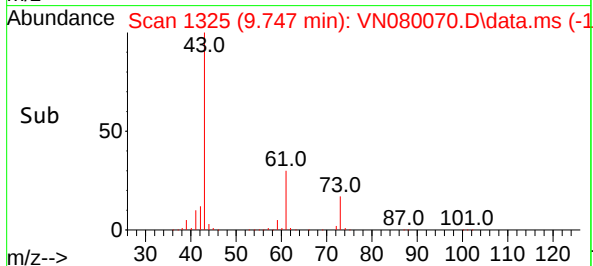
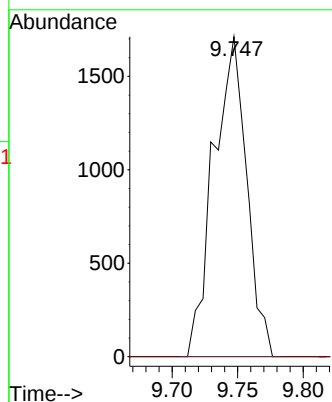
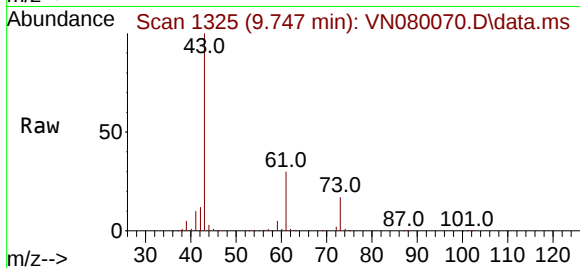
PB157075ZHE#11

Tgt Ion: 63 Resp: 3007

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.806 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN080070.D

Acq: 13 Nov 2023 16:41

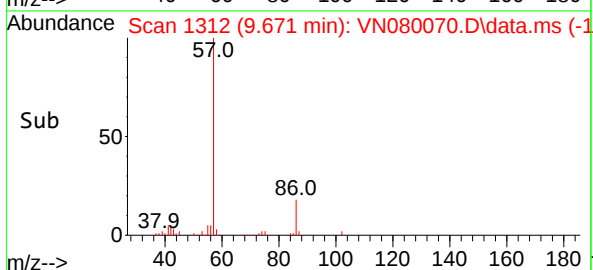
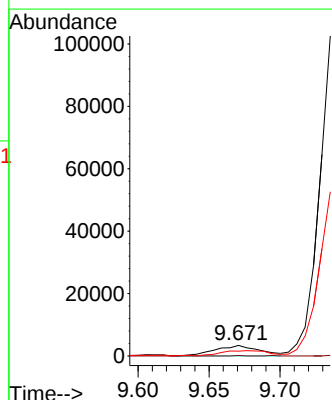
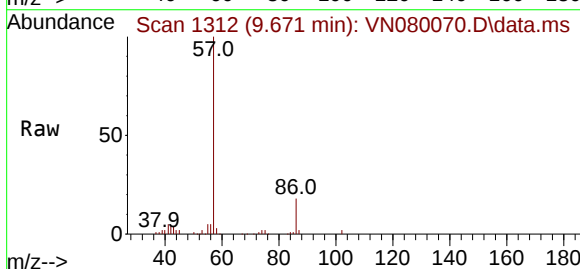
Tgt Ion: 41 Resp: 7349

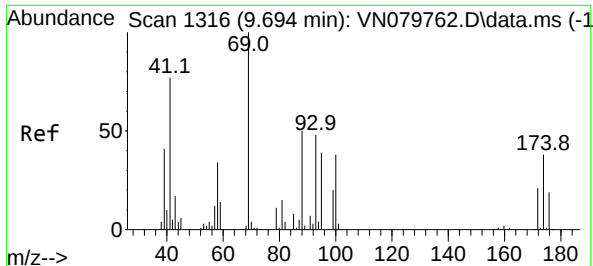
Ion Ratio Lower Upper

41 100

69 0.8 90.4 135.6#

39 0.0 54.6 81.8#

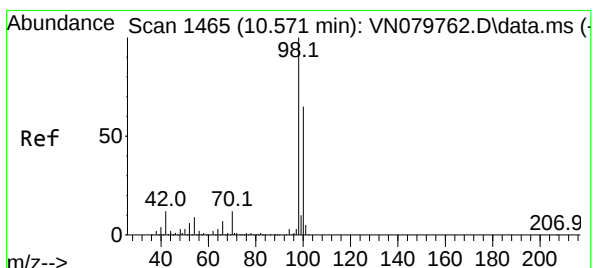
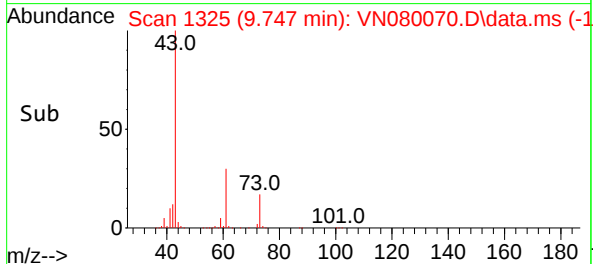
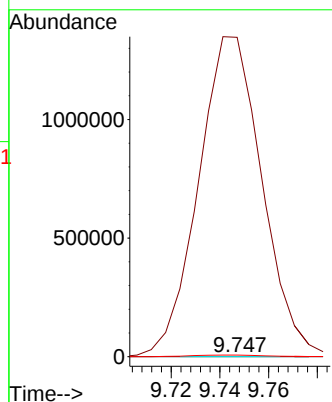
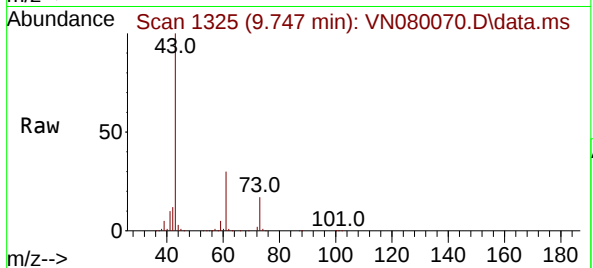




#49
1,4-Dioxane
Concen: 5.159 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

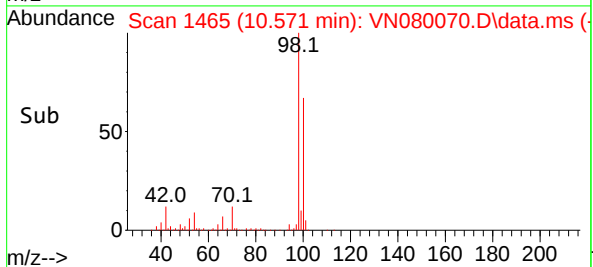
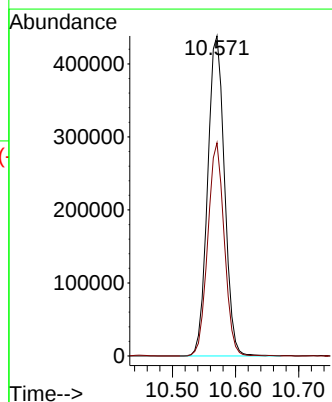
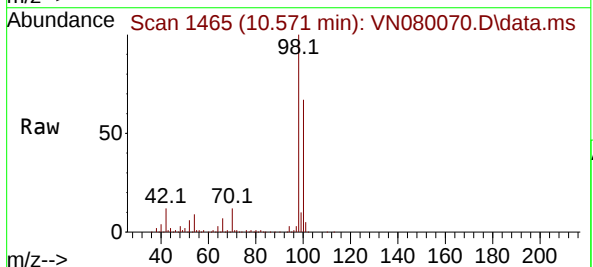
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#11

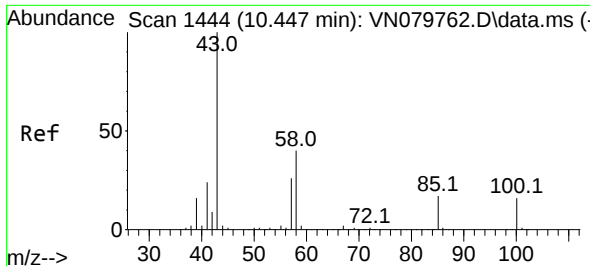
Tgt Ion: 88 Resp: 371
Ion Ratio Lower Upper
88 100
43 665787.6 17.0 25.6#
58 3914.0 47.0 70.4#



#50
Toluene-d8
Concen: 54.494 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

Tgt Ion: 98 Resp: 811653
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0

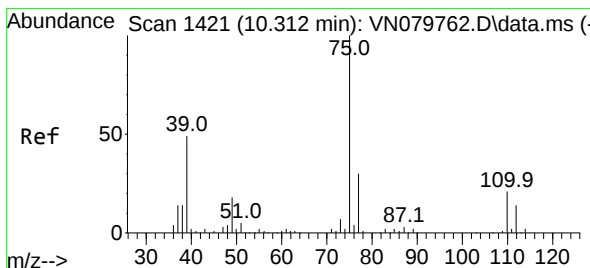
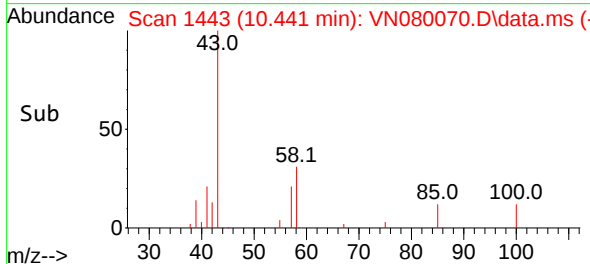
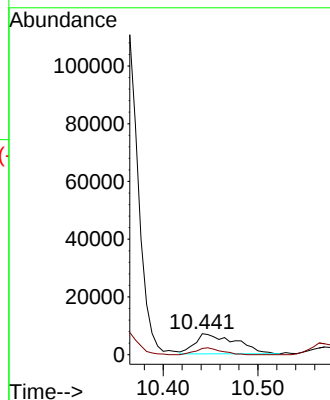
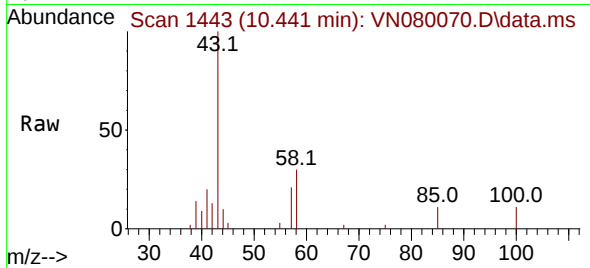




#51
4-Methyl-2-Pentanone
Concen: 3.981 ug/l
RT: 10.441 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

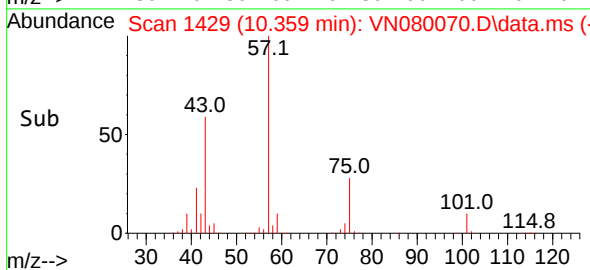
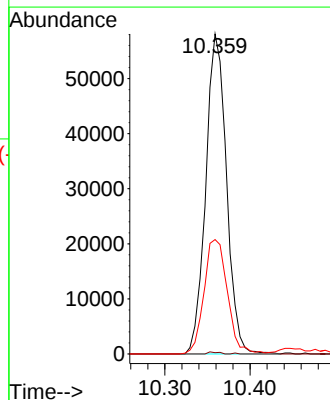
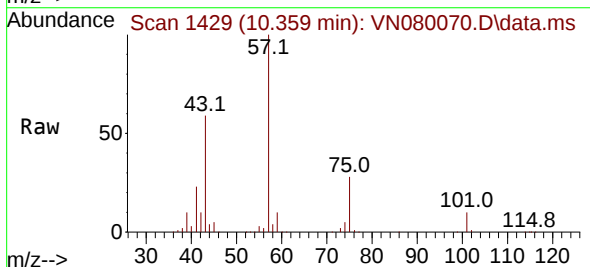
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#11

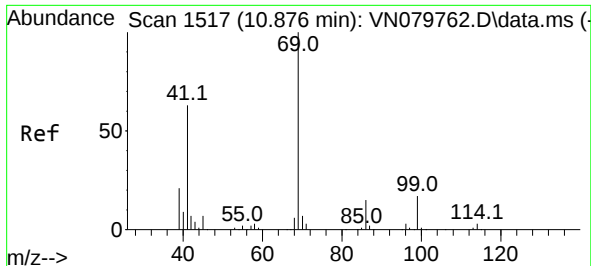
Tgt Ion: 43 Resp: 20822
Ion Ratio Lower Upper
43 100
58 21.4 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 14.274 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

Tgt Ion: 75 Resp: 98209
Ion Ratio Lower Upper
75 100
77 0.4 26.1 39.1#
39 35.8 31.6 47.4

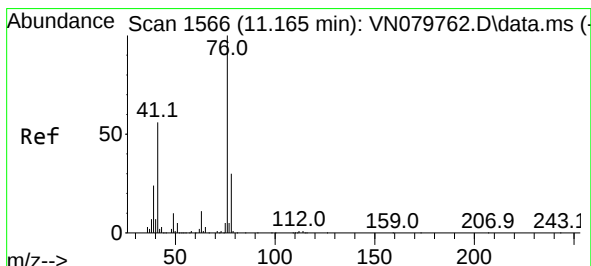
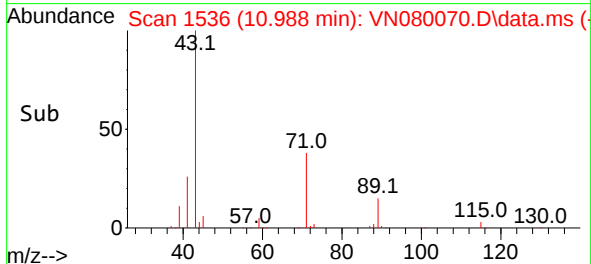
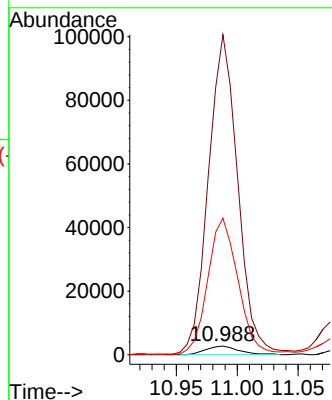
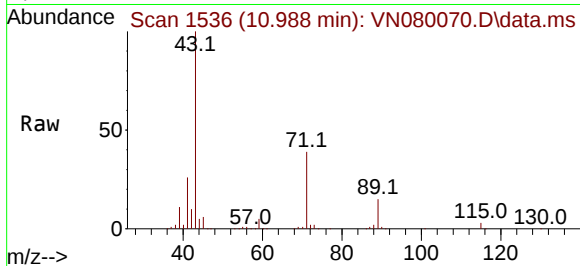




#56
Ethyl methacrylate
Concen: 0.863 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

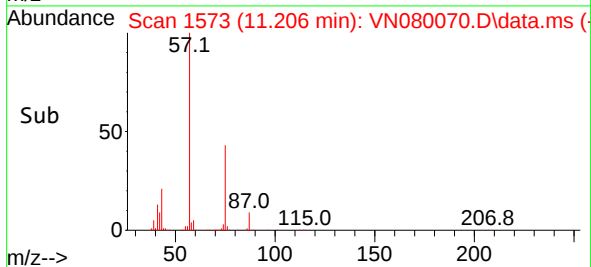
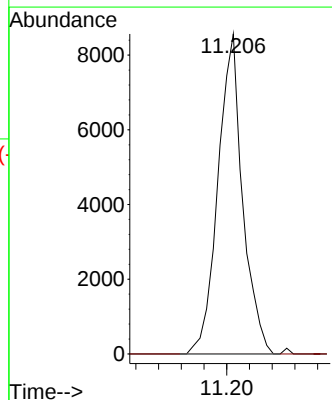
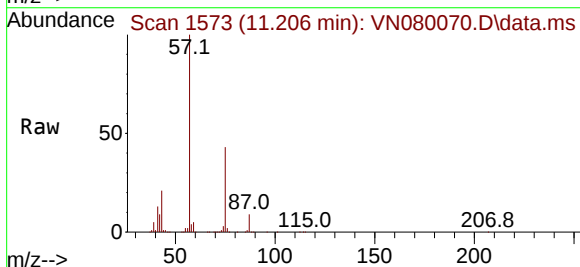
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#11

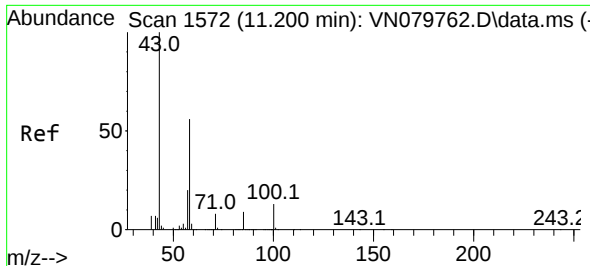
Tgt Ion: 69 Resp: 5080
Ion Ratio Lower Upper
69 100
41 3339.6 39.6 59.4#
39 1462.3 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.776 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

Tgt Ion: 76 Resp: 12917
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

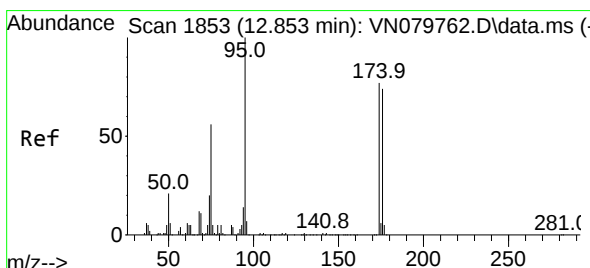
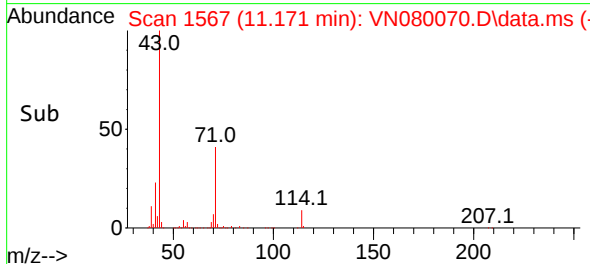
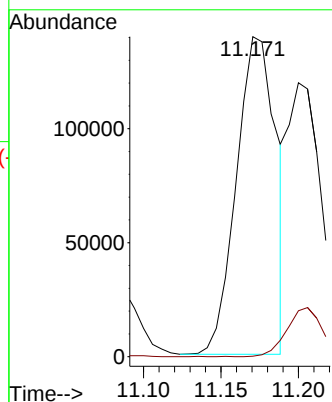
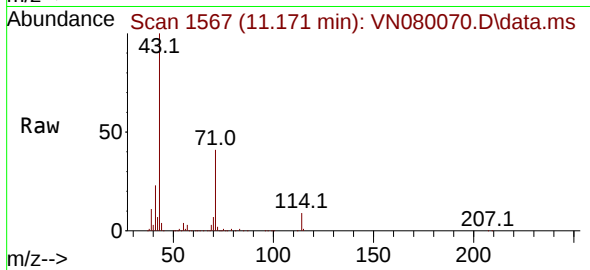




#59
2-Hexanone
Concen: 61.949 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.029 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

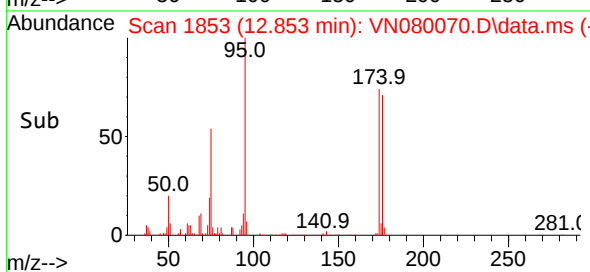
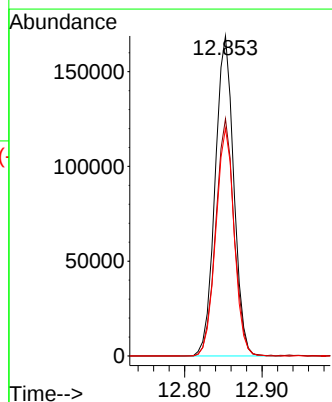
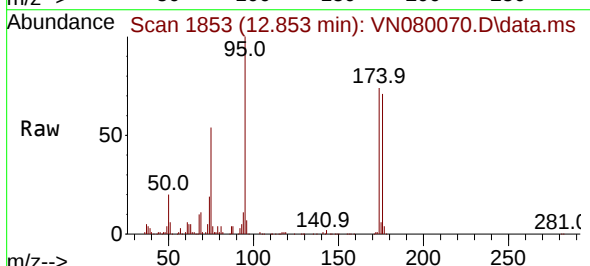
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#11

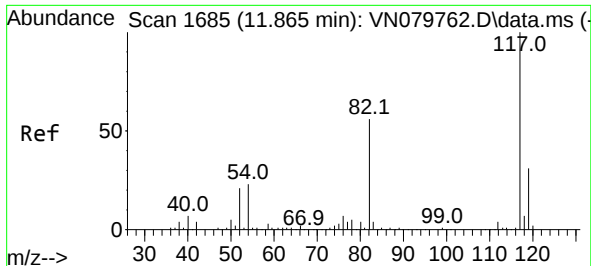
Tgt Ion: 43 Resp: 247897
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 56.956 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

Tgt Ion: 95 Resp: 281349
Ion Ratio Lower Upper
95 100
174 73.6 0.0 143.8
176 70.1 0.0 135.8

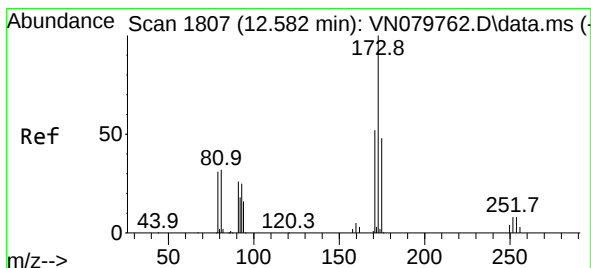
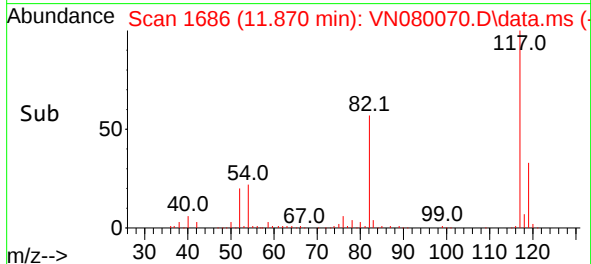
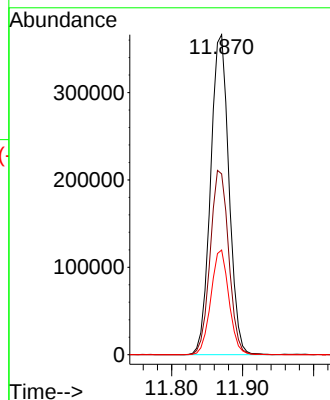
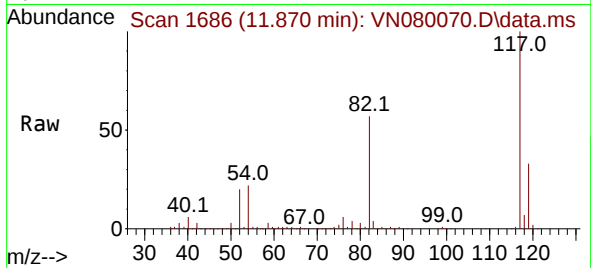




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

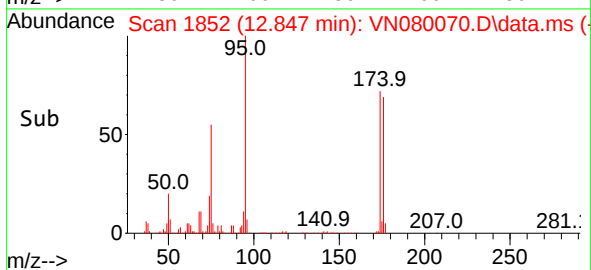
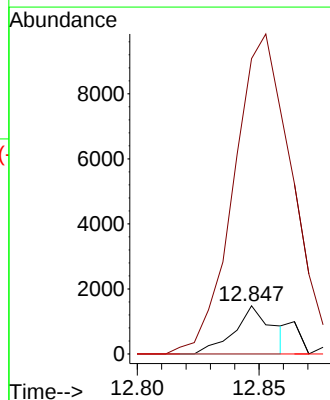
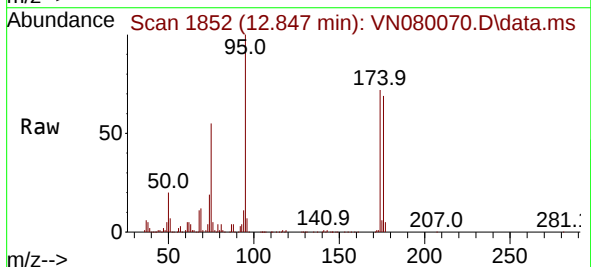
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#11

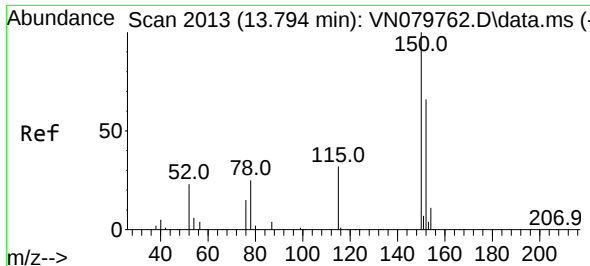
Tgt Ion:117 Resp: 656317
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 32.7 25.6 38.4



#71
Bromoform
Concen: 0.448 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

Tgt Ion:173 Resp: 1630
Ion Ratio Lower Upper
173 100
175 808.5 24.3 73.0#
254 0.0 0.0 0.0

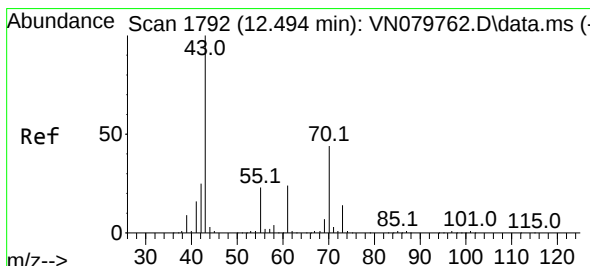
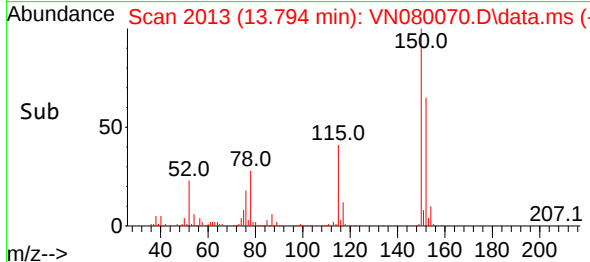
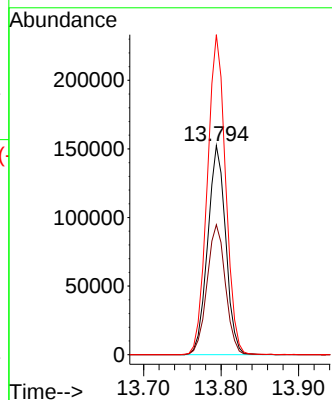
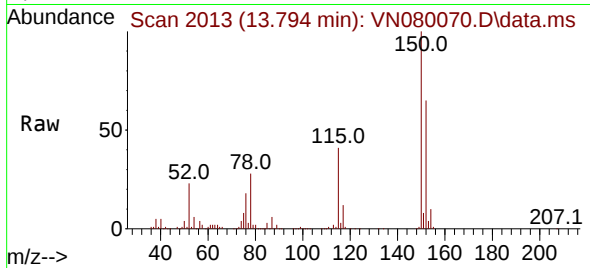




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

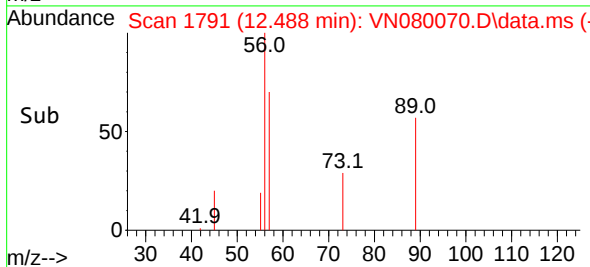
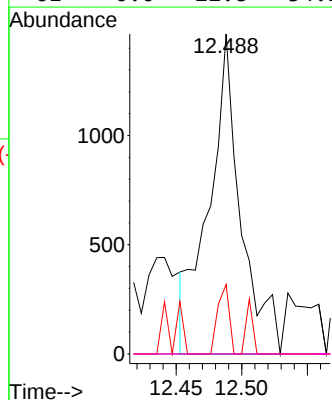
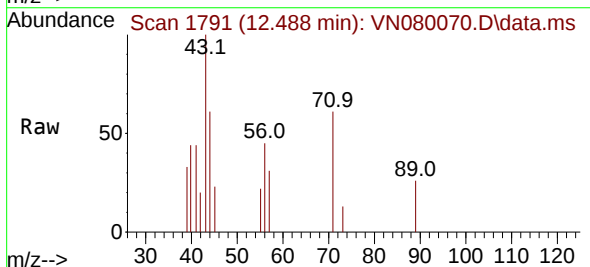
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#11

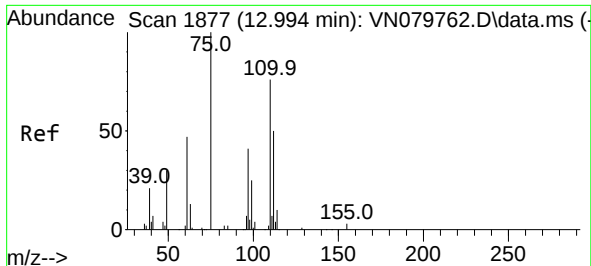
Tgt Ion:152 Resp: 245639
Ion Ratio Lower Upper
152 100
115 63.7 32.3 96.8
150 155.7 0.0 355.8



#74
N-ethyl acetate
Concen: 0.304 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

Tgt Ion: 43 Resp: 2475
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 7.8 21.4 32.0#
61 0.0 22.8 34.2#

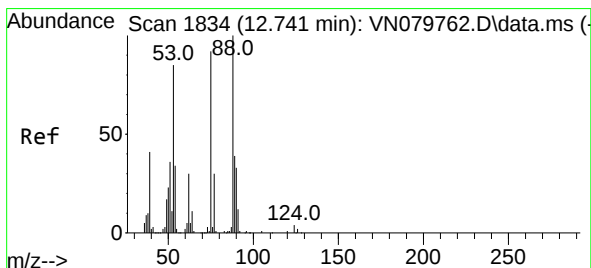
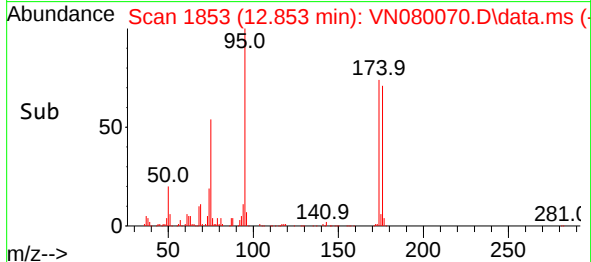
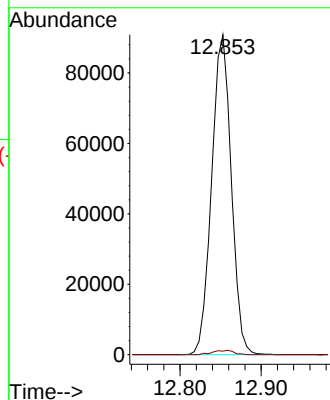
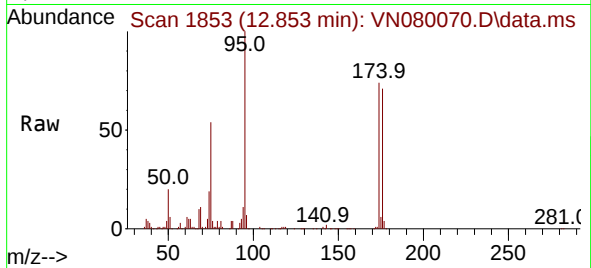




#76
1,2,3-Trichloropropane
Concen: 26.427 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#11

Tgt Ion: 75 Resp: 152402
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.902 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080070.D
Acq: 13 Nov 2023 16:41

Tgt Ion: 75 Resp: 152402
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.1 38.8 58.2#

