

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111423\
 Data File : VN080085.D
 Acq On : 14 Nov 2023 13:40
 Operator : JC\MD
 Sample : PB157075ZHE#19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 03:56:02 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)

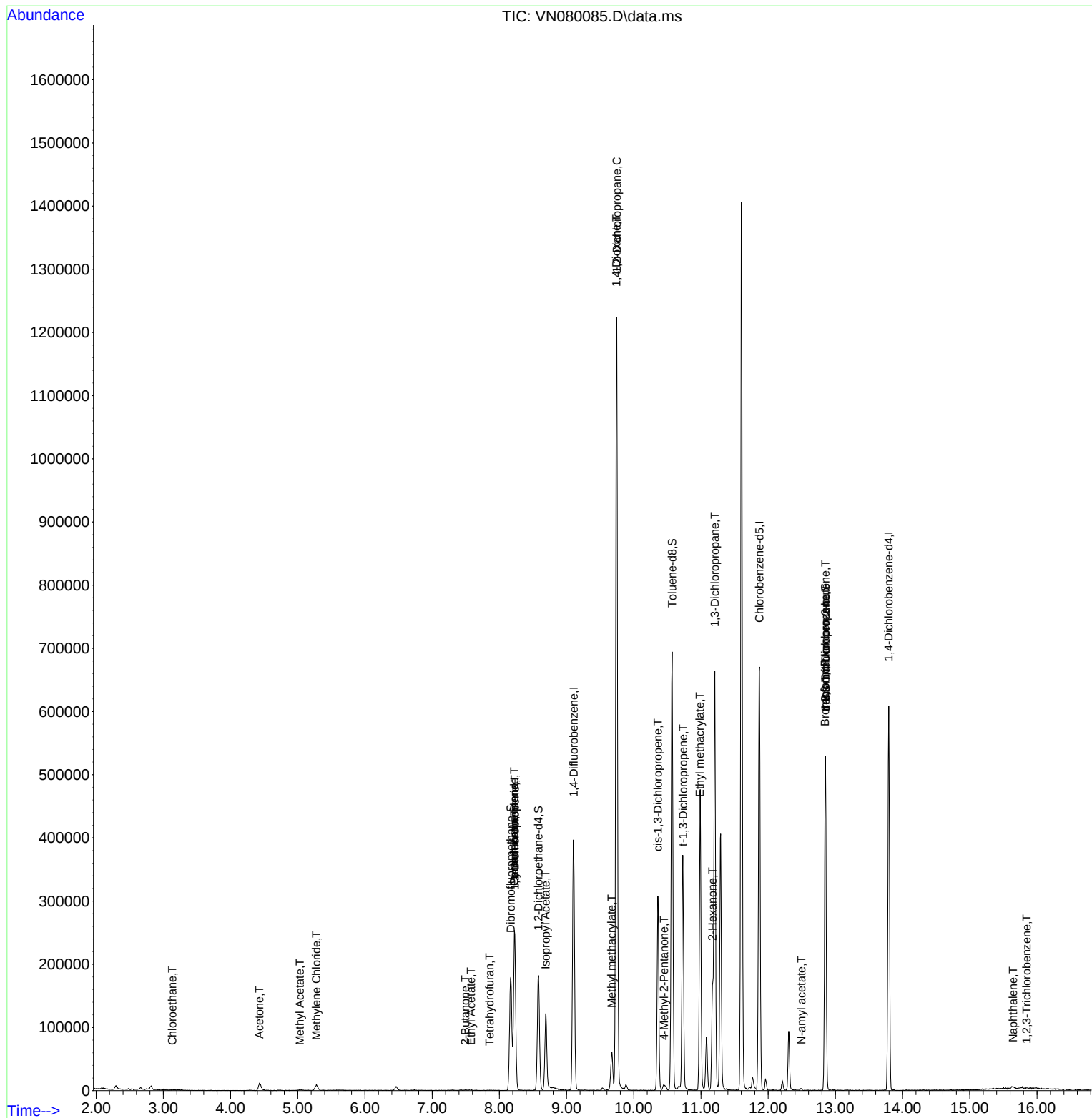
Internal Standards						
1) Pentafluorobenzene	8.224	168	171722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	332895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	381801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	155802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	165435	63.234	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 126.460%#	
35) Dibromofluoromethane	8.171	113	127865	54.270	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.540%	
50) Toluene-d8	10.571	98	467873	53.942	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.880%	
62) 4-Bromofluorobenzene	12.853	95	182826	63.556	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 127.120%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	201	Below Cal	#	42
6) Chloroethane	3.136	64	671	0.314	ug/l #	43
16) Acetone	4.430	43	21177	23.044	ug/l	94
18) Methyl Acetate	5.030	43	3040	0.691	ug/l #	67
20) Methylene Chloride	5.277	84	6922	2.985	ug/l #	80
25) 2-Butanone	7.494	43	1462	1.086	ug/l #	37
29) Tetrahydrofuran	7.853	42	206	0.235	ug/l #	37
31) Cyclohexane	8.224	56	4534	1.311	ug/l #	51
36) 1,1-Dichloropropene	8.230	75	15684	4.662	ug/l #	47
37) Ethyl Acetate	7.577	43	1911	0.619	ug/l #	74
38) Carbon Tetrachloride	8.224	117	20576	6.069	ug/l #	16
43) Isopropyl Acetate	8.688	43	130236	24.070	ug/l #	86
45) 1,2-Dichloropropane	9.747	63	1511	0.587	ug/l #	45
48) Methyl methacrylate	9.671	41	3734	1.576	ug/l #	29
49) 1,4-Dioxane	9.741	88	128	3.057	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	10743	3.527	ug/l #	67
53) t-1,3-Dichloropropene	10.735	75	856	0.233	ug/l #	64
54) cis-1,3-Dichloropropene	10.359	75	54259	13.542	ug/l #	65
56) Ethyl methacrylate	10.982	69	2149	0.627	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6930	1.636	ug/l #	42
59) 2-Hexanone	11.171	43	118782	50.973	ug/l #	19
71) Bromoform	12.847	173	709	0.335	ug/l #	1
74) N-amyl acetate	12.494	43	1613	0.313	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	103488	28.293	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	103488	76.978	ug/l #	15
95) Naphthalene	15.647	128	1994	0.243	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.847	180	597	0.252	ug/l #	43

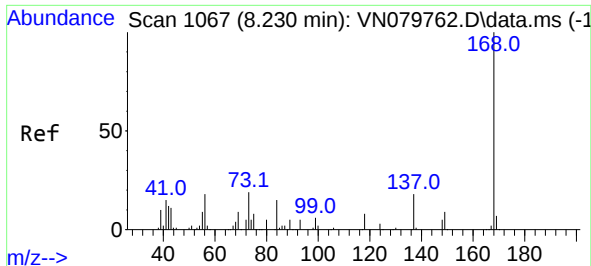
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111423\
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Response via : Initial Calibration

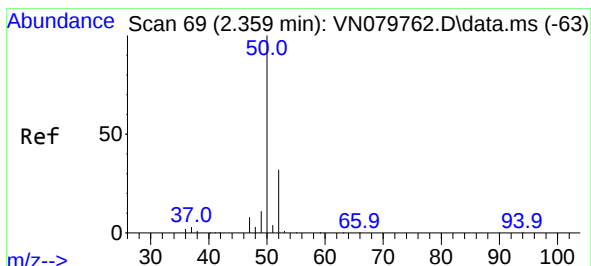
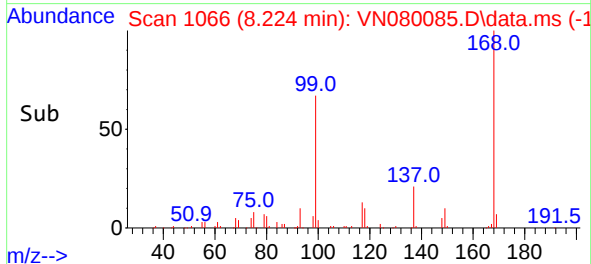
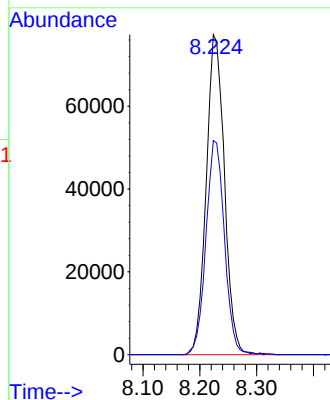
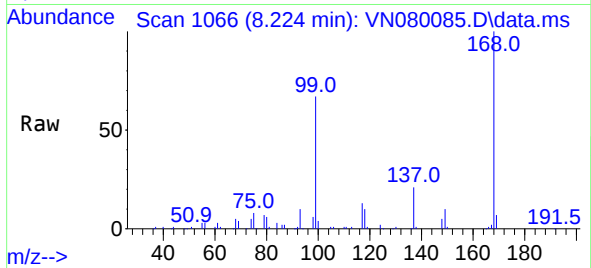




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

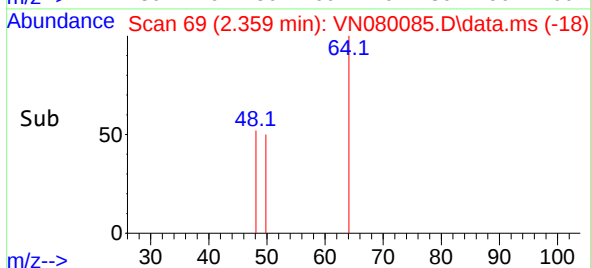
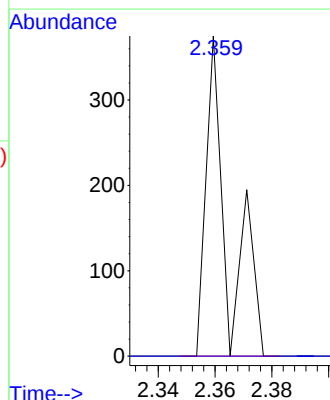
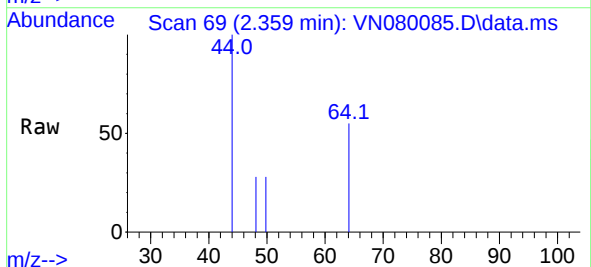
Instrument :
MSVOA_N
ClientSampleId :

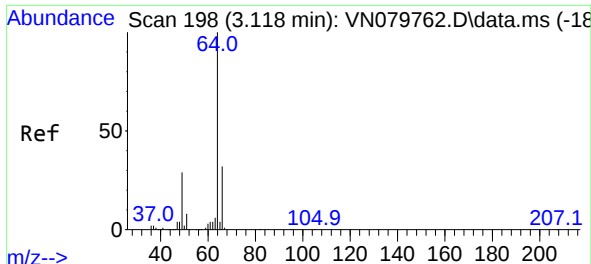
Tgt Ion:168 Resp: 171722
Ion Ratio Lower Upper
168 100
99 66.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

Tgt Ion: 50 Resp: 201
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

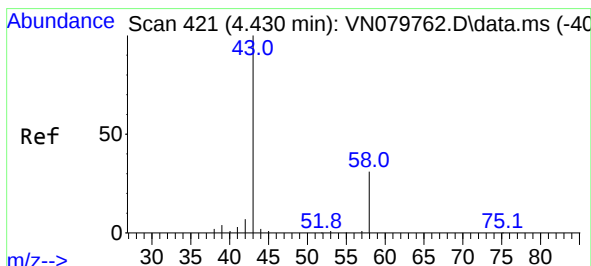
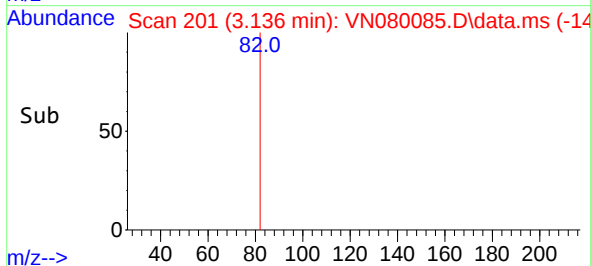
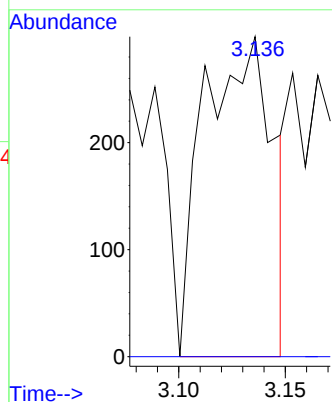
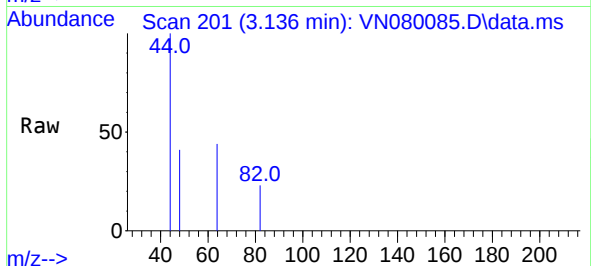




#6
Chloroethane
Concen: 0.314 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

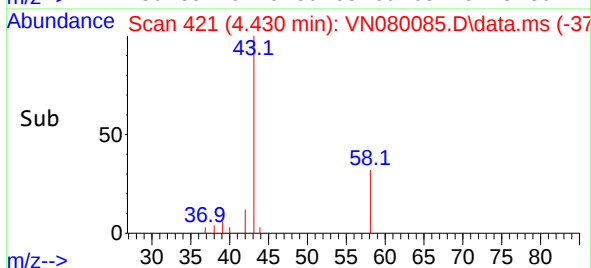
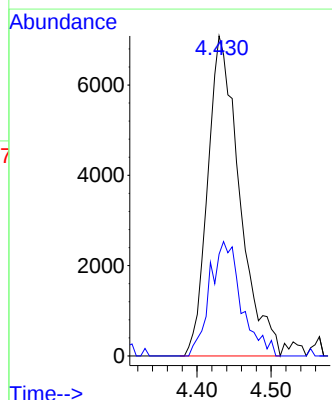
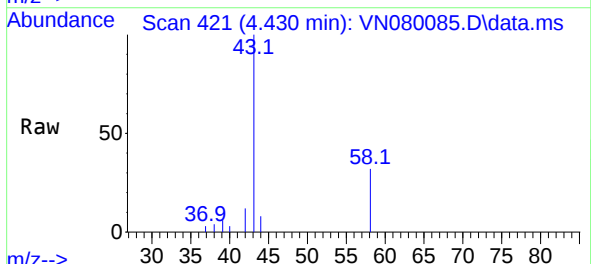
Instrument :
MSVOA_N
ClientSampleId :

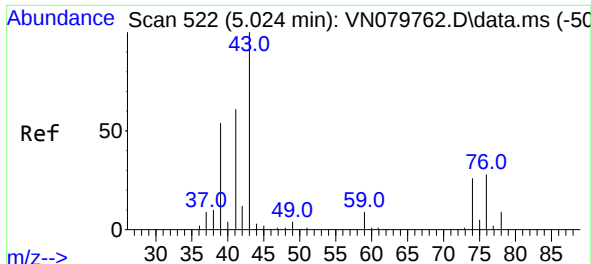
Tgt Ion: 64 Resp: 671
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 23.044 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

Tgt Ion: 43 Resp: 21177
Ion Ratio Lower Upper
43 100
58 31.8 28.0 42.0





#18

Methyl Acetate

Concen: 0.691 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN080085.D

Acq: 14 Nov 2023 13:40

Instrument :

MSVOA_N

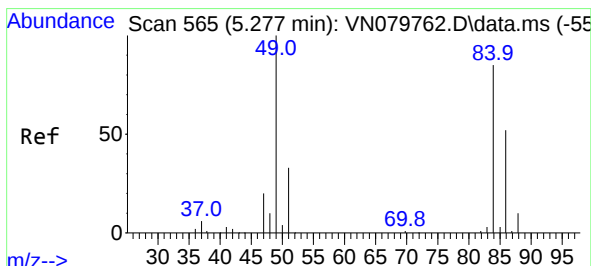
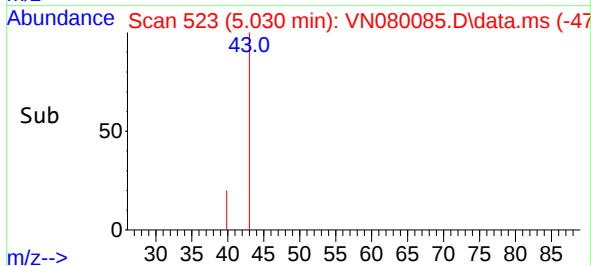
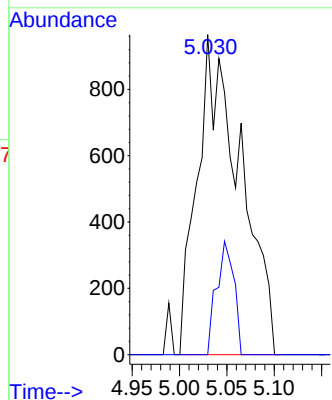
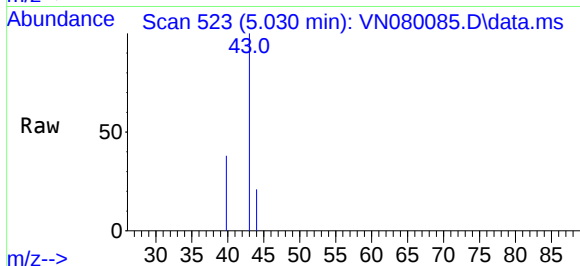
ClientSampleId :

Tgt Ion: 43 Resp: 3040

Ion Ratio Lower Upper

43 100

74 14.3 26.2 39.4#



#20

Methylene Chloride

Concen: 2.985 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN080085.D

Acq: 14 Nov 2023 13:40

Tgt Ion: 84 Resp: 6922

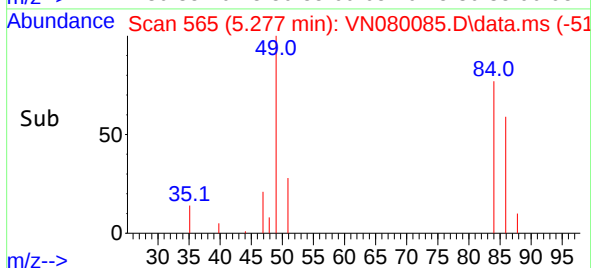
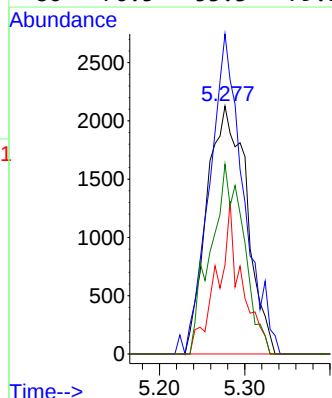
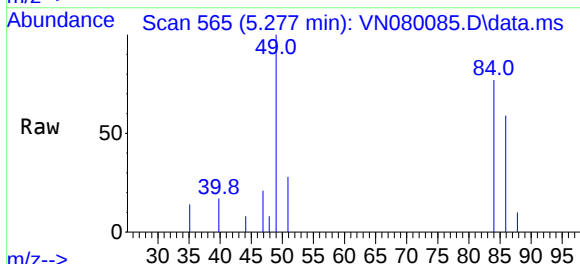
Ion Ratio Lower Upper

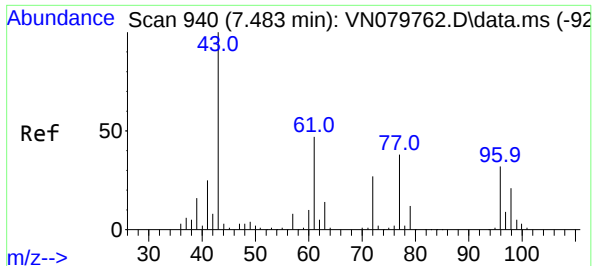
84 100

49 129.1 79.7 119.5#

51 36.0 25.2 37.8

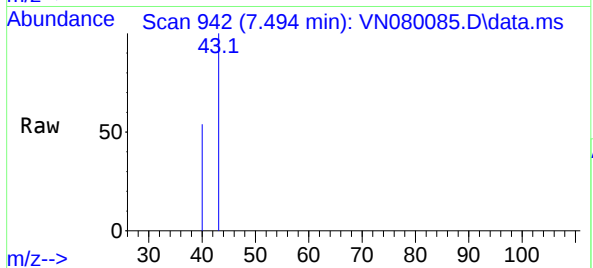
86 76.5 53.3 79.9



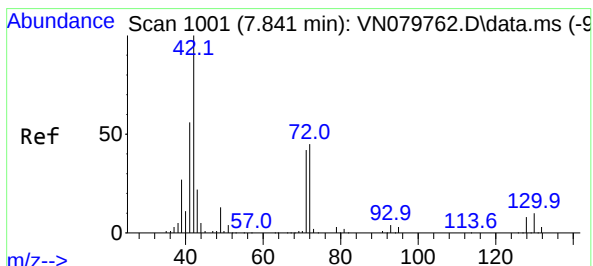
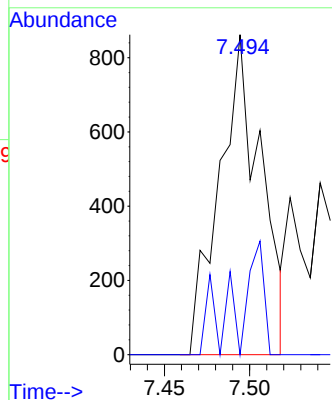
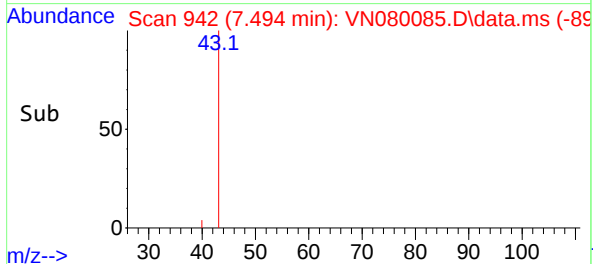


#25
2-Butanone
Concen: 1.086 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

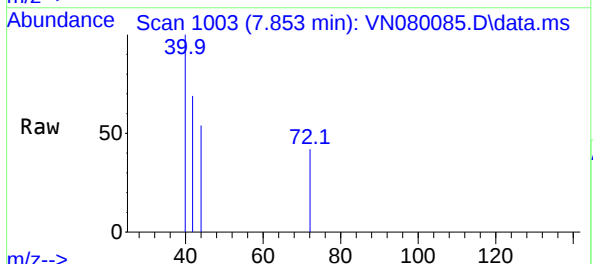
Instrument :
MSVOA_N
ClientSampleId :



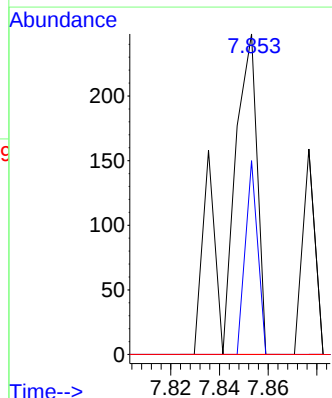
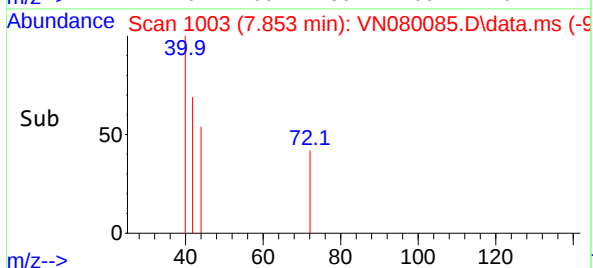
Tgt Ion: 43 Resp: 1462
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#

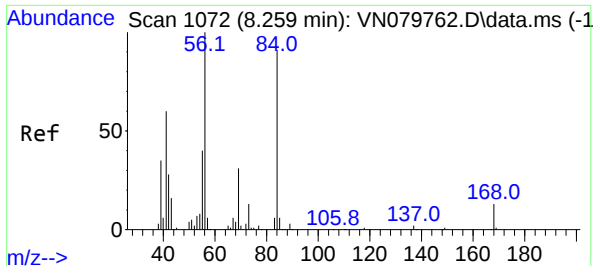


#29
Tetrahydrofuran
Concen: 0.235 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40



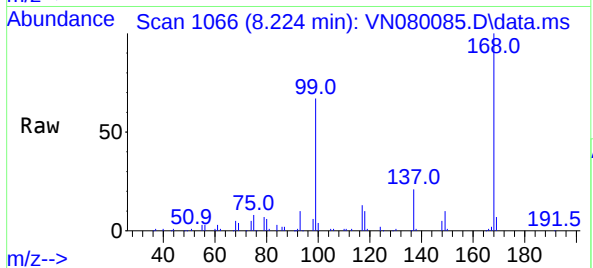
Tgt Ion: 42 Resp: 206
Ion Ratio Lower Upper
42 100
72 25.7 49.8 74.6#
71 0.0 47.4 71.2#



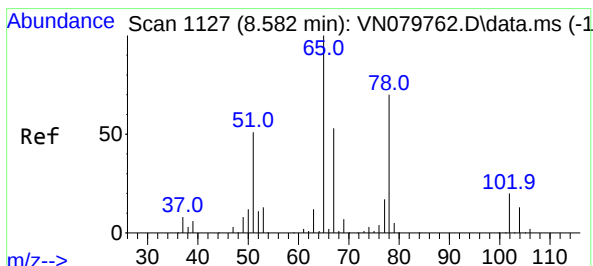
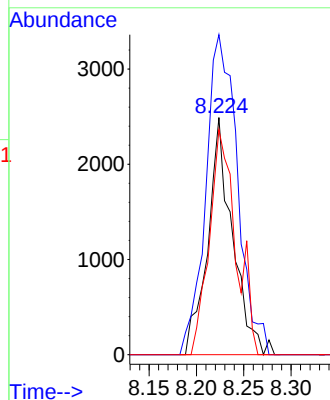
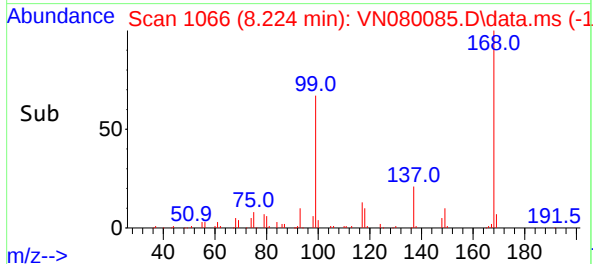


#31
Cyclohexane
Concen: 1.311 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

Instrument :
MSVOA_N
ClientSampleId :

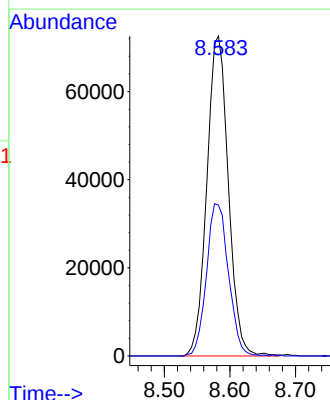
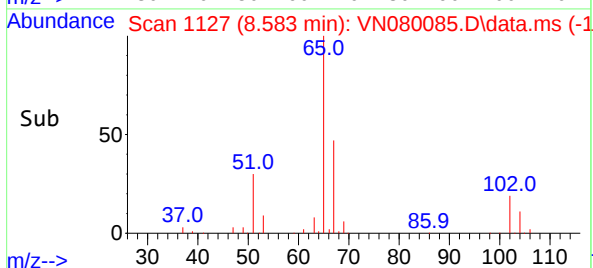
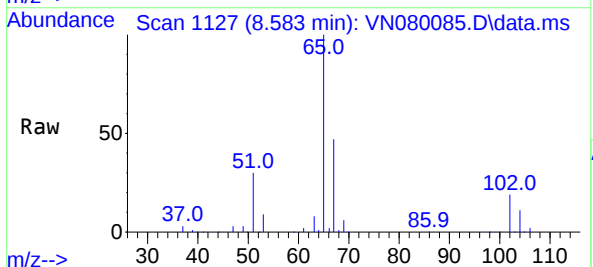


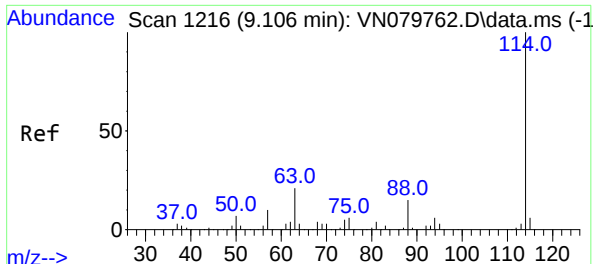
Tgt Ion: 56 Resp: 4534
Ion Ratio Lower Upper
56 100
69 134.9 26.8 40.2#
84 94.9 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 63.234 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

Tgt Ion: 65 Resp: 165435
Ion Ratio Lower Upper
65 100
67 48.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080085.D

Acq: 14 Nov 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

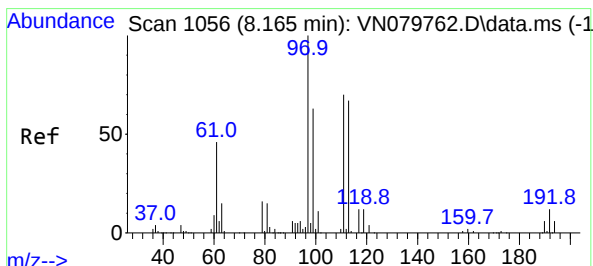
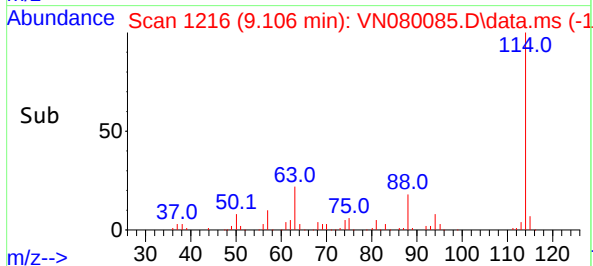
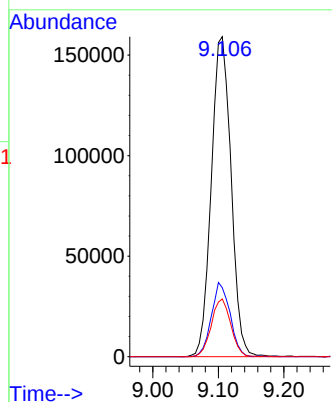
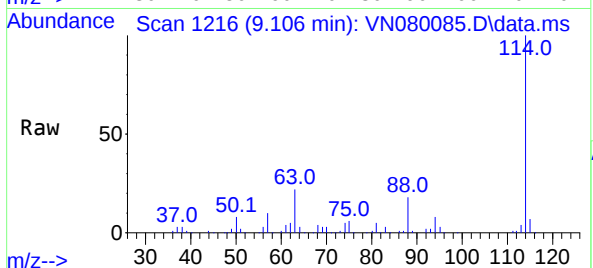
Tgt Ion:114 Resp: 332895

Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 18.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.270 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080085.D

Acq: 14 Nov 2023 13:40

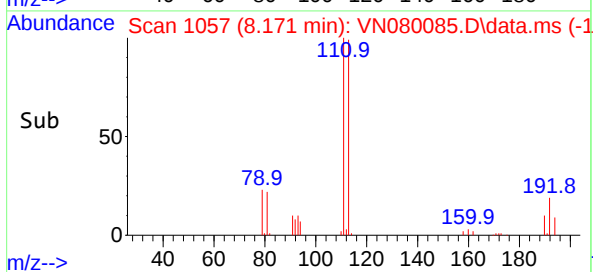
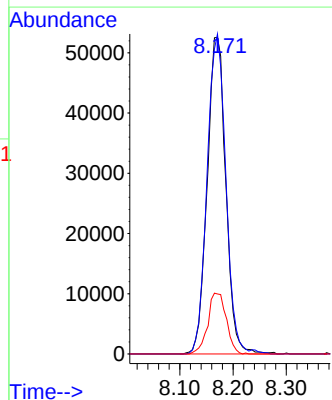
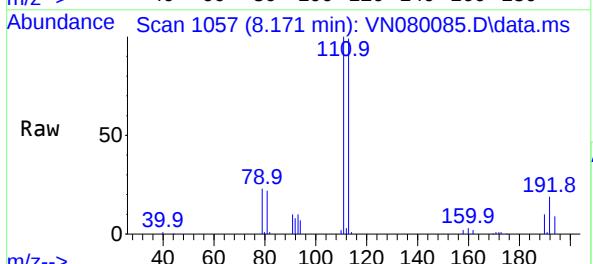
Tgt Ion:113 Resp: 127865

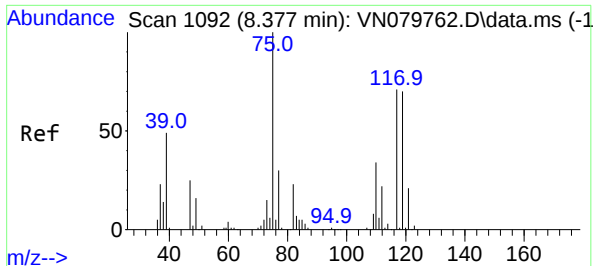
Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

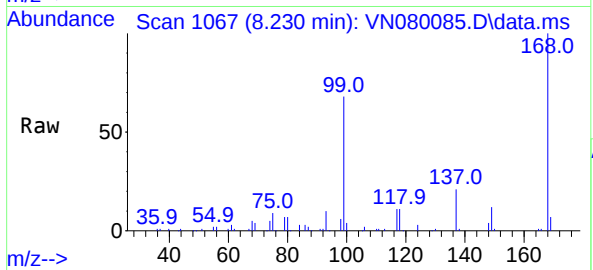
192 19.1 12.7 19.1#



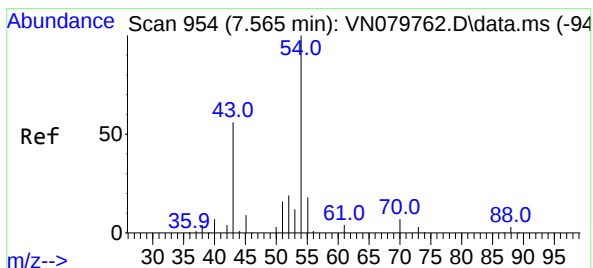
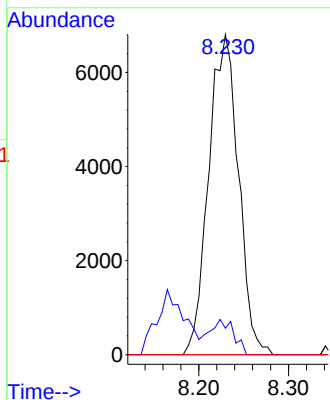
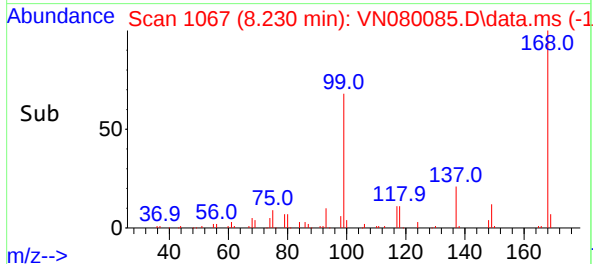


#36
1,1-Dichloropropene
Concen: 4.662 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

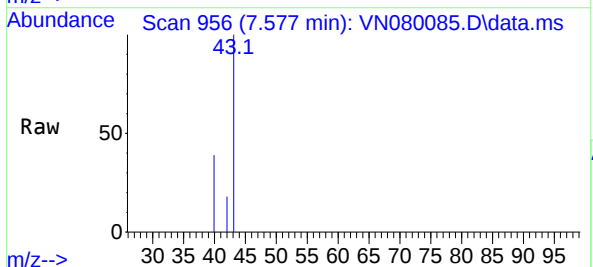
Instrument :
MSVOA_N
ClientSampleId :



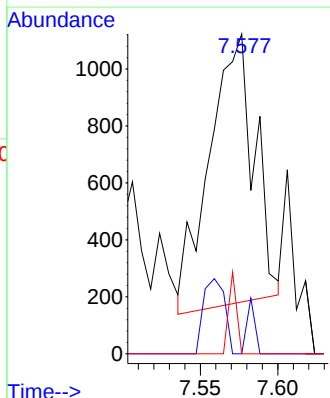
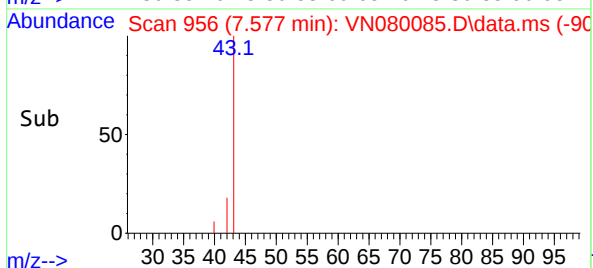
Tgt Ion: 75 Resp: 15684
Ion Ratio Lower Upper
75 100
110 8.2 19.1 57.3#
77 0.0 25.0 37.4#

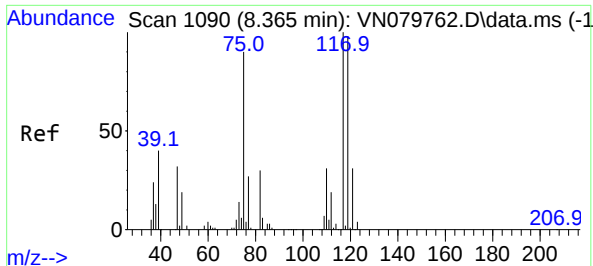


#37
Ethyl Acetate
Concen: 0.619 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.012 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40



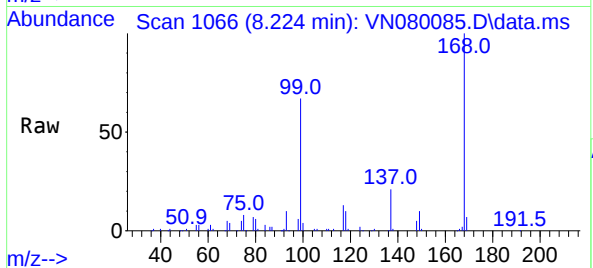
Tgt Ion: 43 Resp: 1911
Ion Ratio Lower Upper
43 100
61 3.6 13.2 19.8#
70 5.3 11.3 16.9#



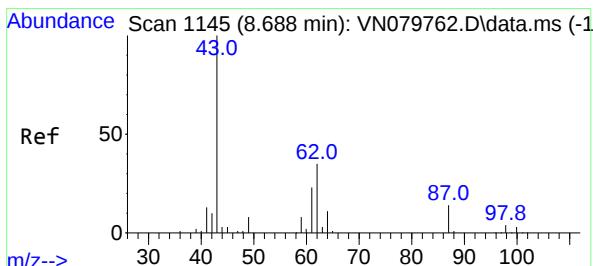
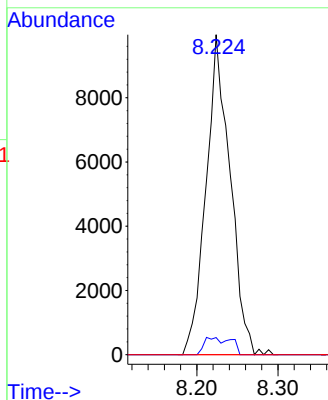
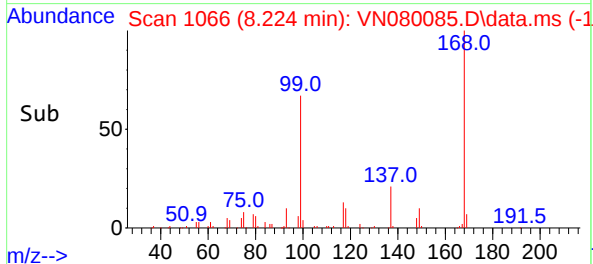


#38
Carbon Tetrachloride
Concen: 6.069 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

Instrument :
MSVOA_N
ClientSampleId :

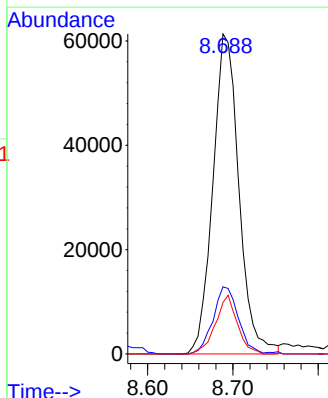
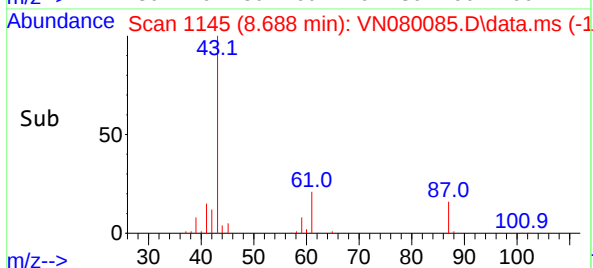
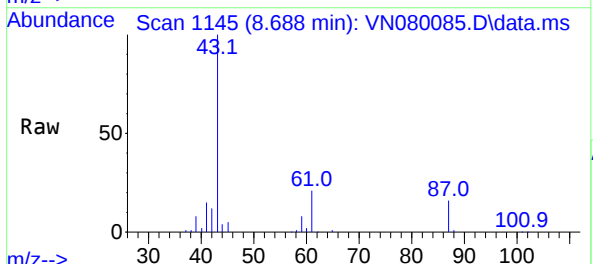


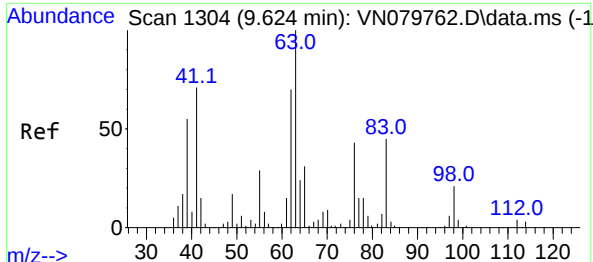
Tgt Ion:117 Resp: 20576
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 24.070 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

Tgt Ion: 43 Resp: 130236
Ion Ratio Lower Upper
43 100
61 20.4 24.7 37.1#
87 15.4 14.6 21.8

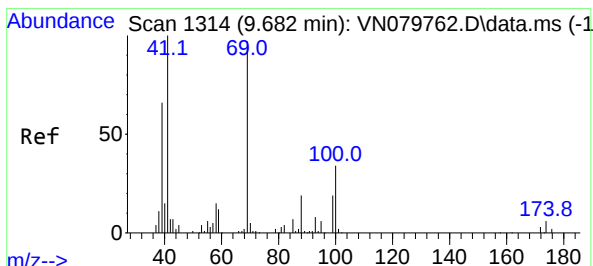
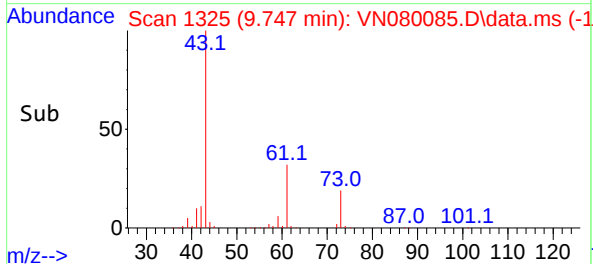
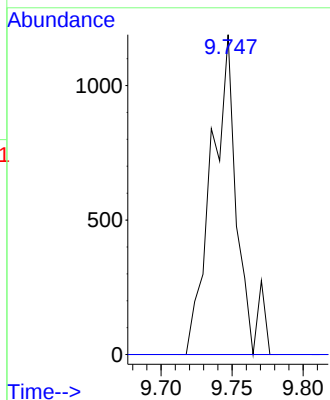
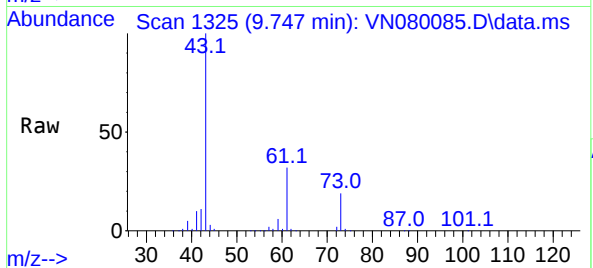




#45
1,2-Dichloropropane
Concen: 0.587 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.124 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

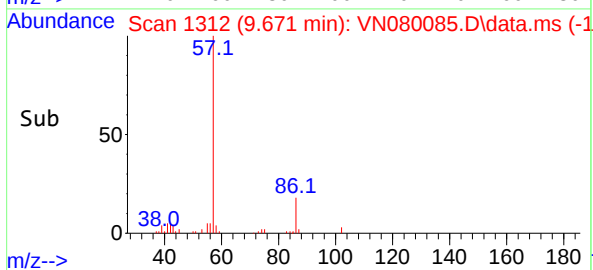
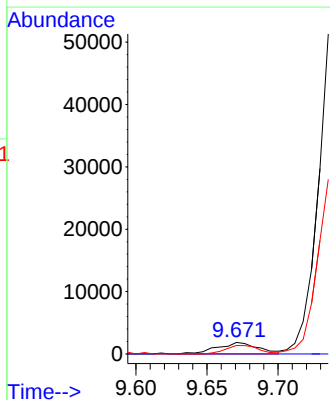
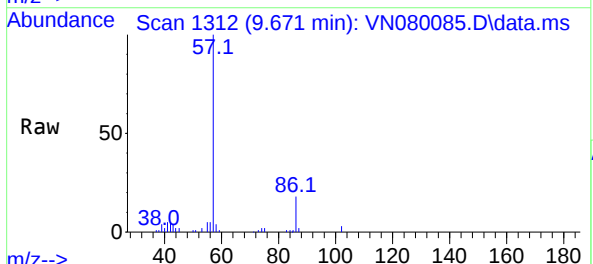
Instrument :
MSVOA_N
ClientSampleId :

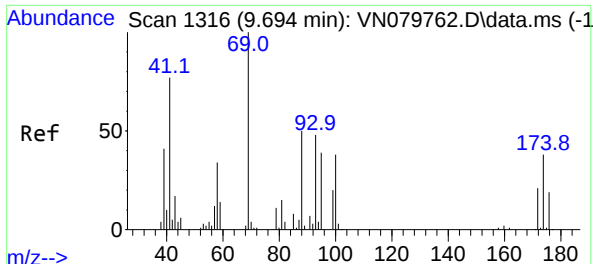
Tgt Ion: 63 Resp: 1511
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.576 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

Tgt Ion: 41 Resp: 3734
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 57.8 54.6 81.8

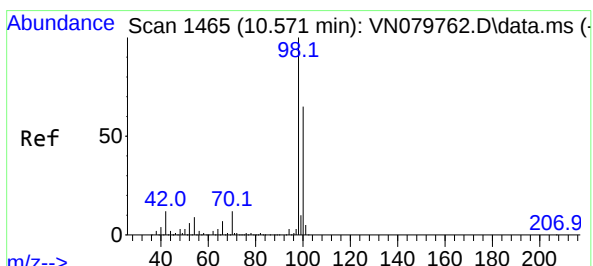
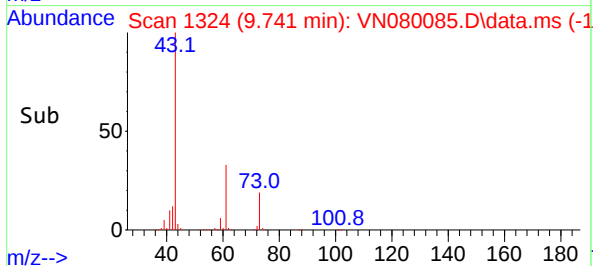
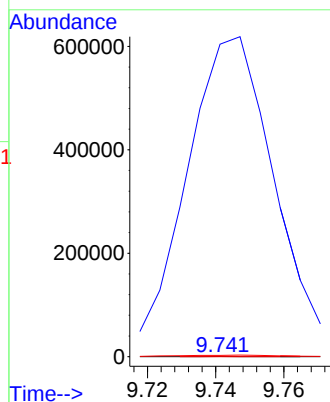
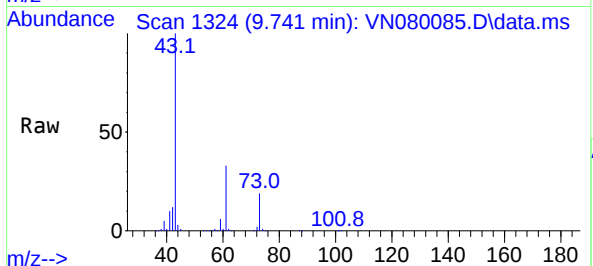




#49
1,4-Dioxane
Concen: 3.057 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

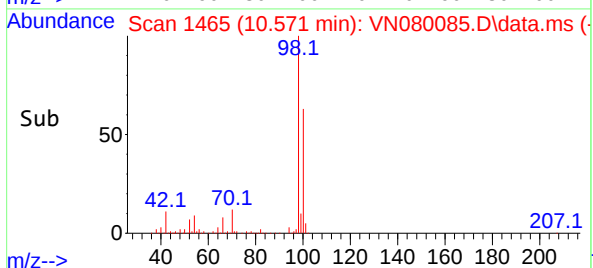
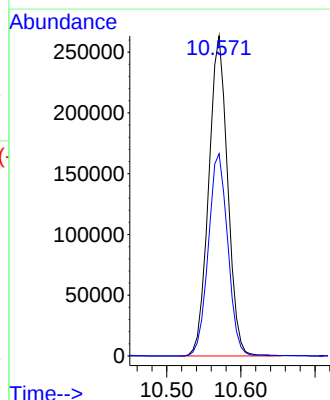
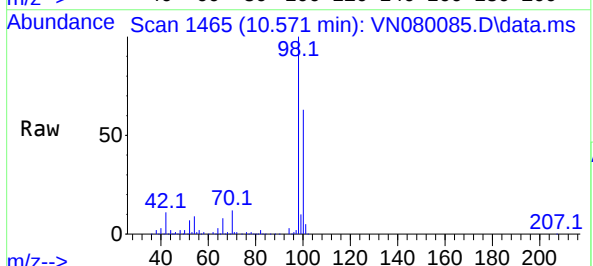
Instrument :
MSVOA_N
ClientSampleId :

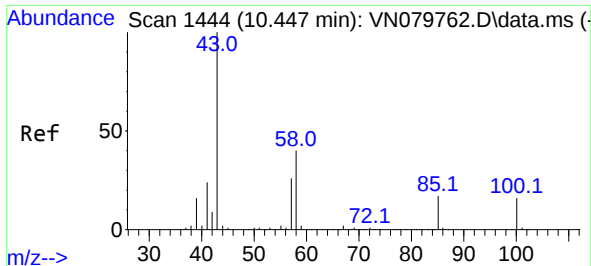
Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
43 883135.2 17.0 25.6#
58 4935.2 47.0 70.4#



#50
Toluene-d8
Concen: 53.942 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

Tgt Ion: 98 Resp: 467873
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0

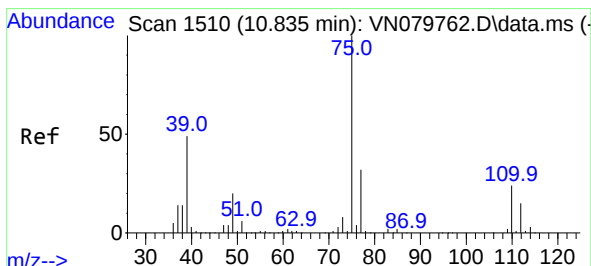
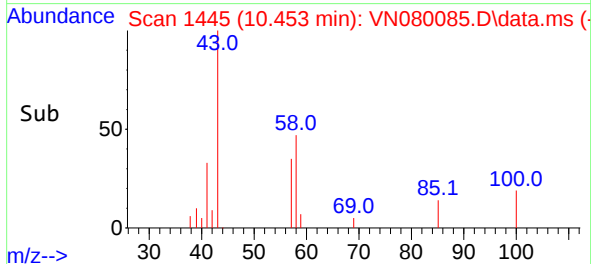
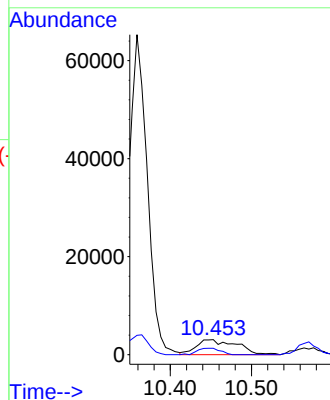
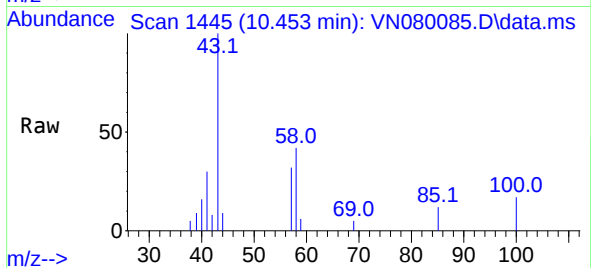




#51
4-Methyl-2-Pentanone
Concen: 3.527 ug/l
RT: 10.453 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

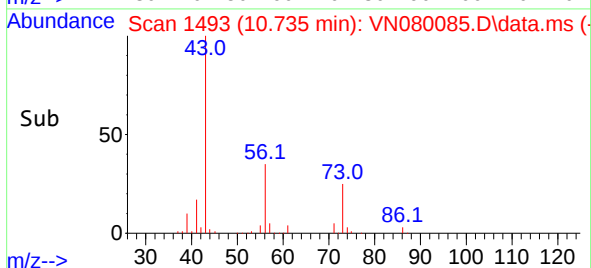
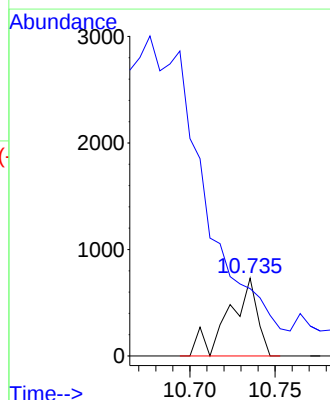
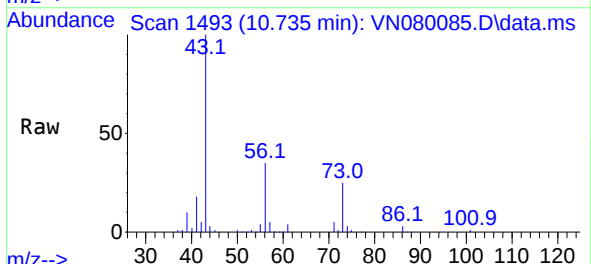
Instrument :
MSVOA_N
ClientSampleId :

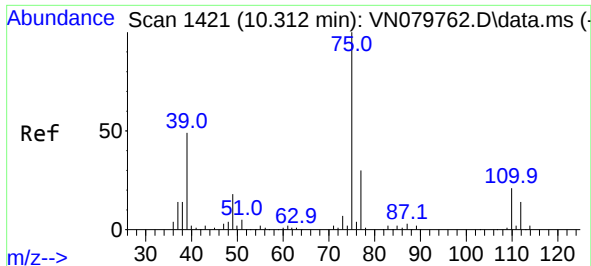
Tgt Ion: 43 Resp: 10743
Ion Ratio Lower Upper
43 100
58 24.1 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.233 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

Tgt Ion: 75 Resp: 856
Ion Ratio Lower Upper
75 100
77 51.6 25.4 38.0#

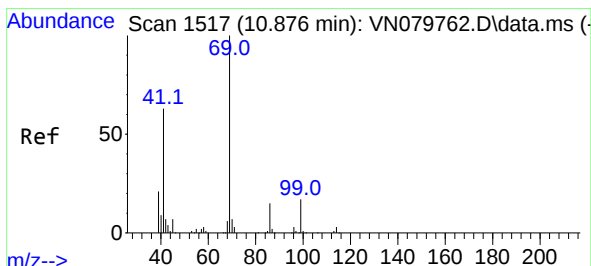
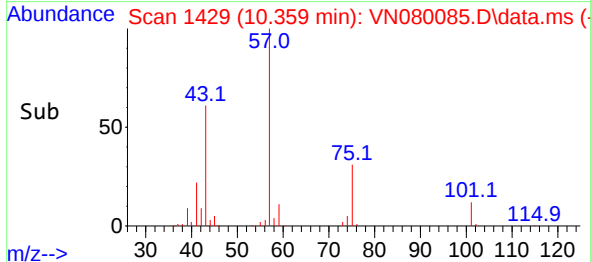
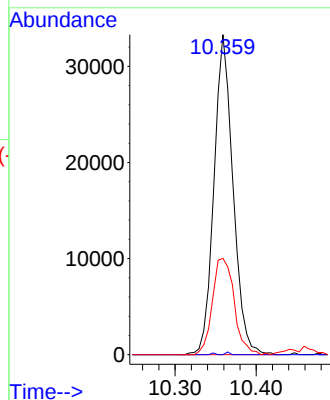
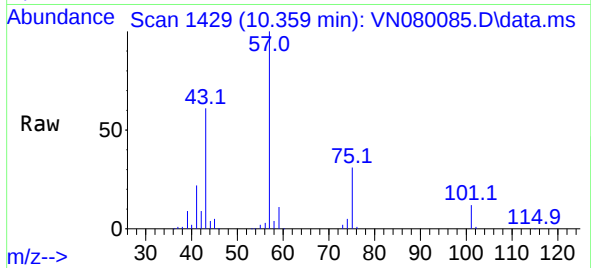




#54
cis-1,3-Dichloropropene
Concen: 13.542 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

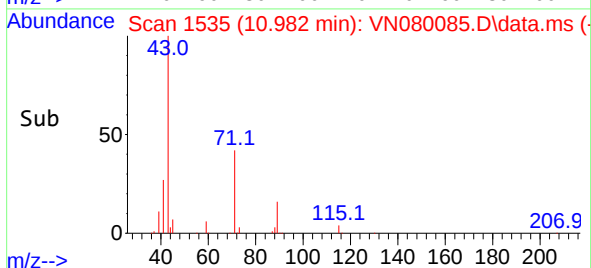
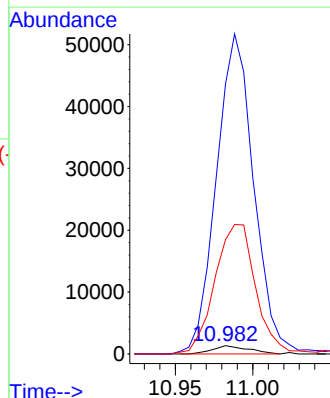
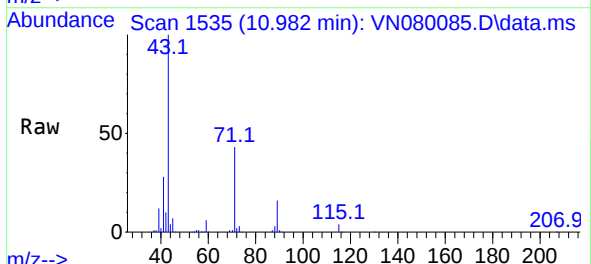
Instrument :
MSVOA_N
ClientSampleId :

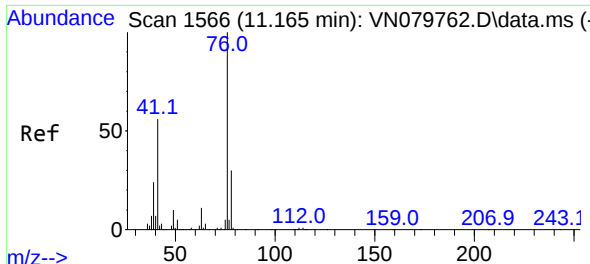
Tgt Ion: 75 Resp: 54259
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 30.1 31.6 47.4#



#56
Ethyl methacrylate
Concen: 0.627 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

Tgt Ion: 69 Resp: 2149
Ion Ratio Lower Upper
69 100
41 4061.3 39.6 59.4#
39 1789.6 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.636 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN080085.D

Acq: 14 Nov 2023 13:40

Instrument :

MSVOA_N

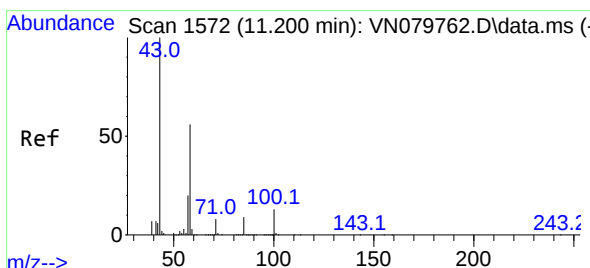
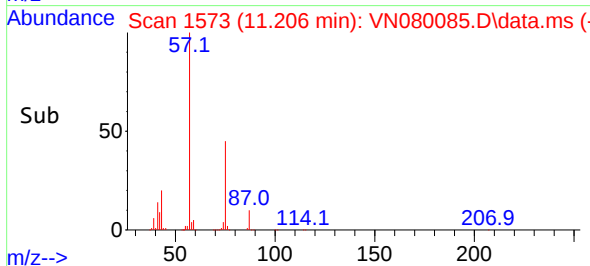
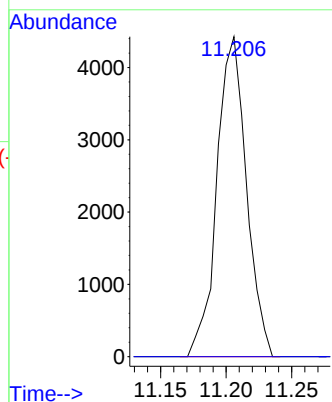
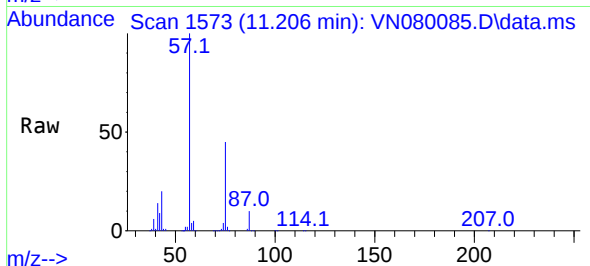
ClientSampleId :

Tgt Ion: 76 Resp: 6930

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 50.973 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN080085.D

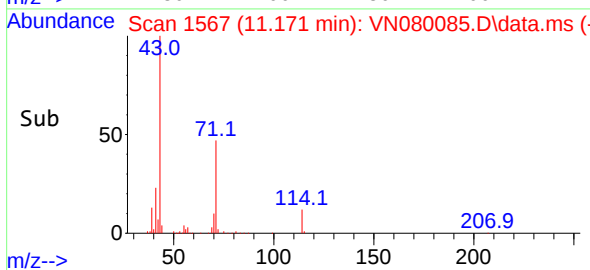
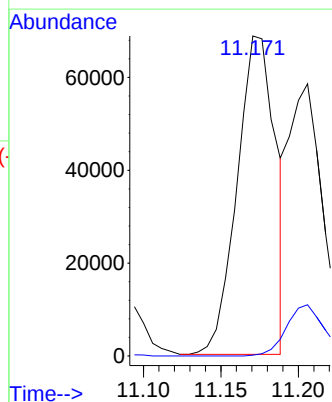
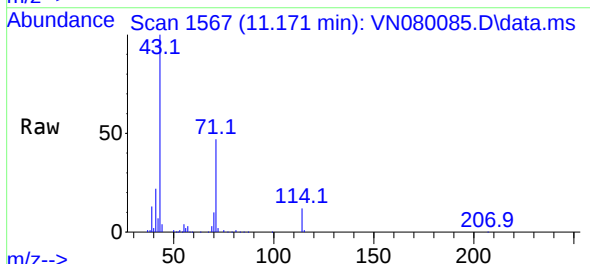
Acq: 14 Nov 2023 13:40

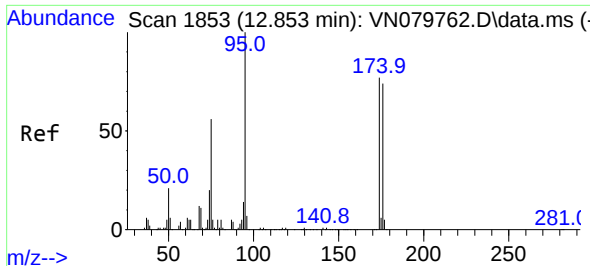
Tgt Ion: 43 Resp: 118782

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

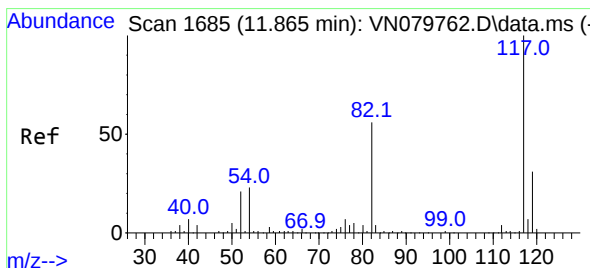
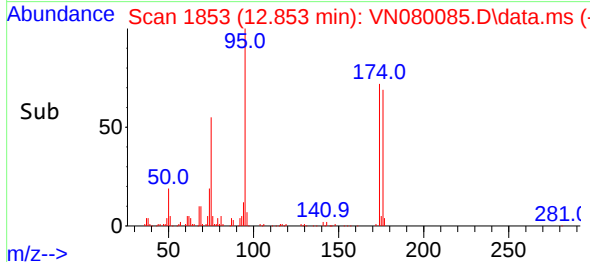
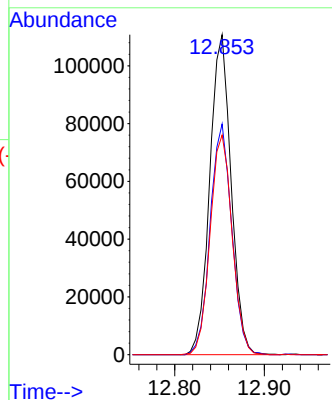
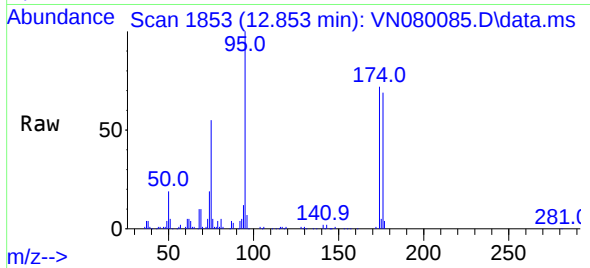




#62
4-Bromofluorobenzene
Concen: 63.556 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

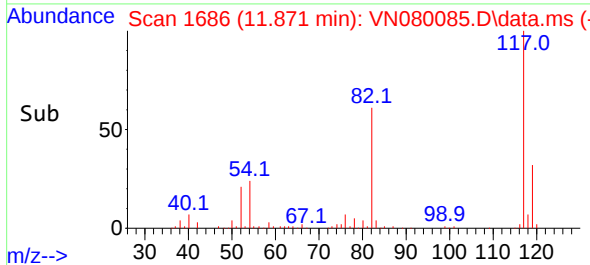
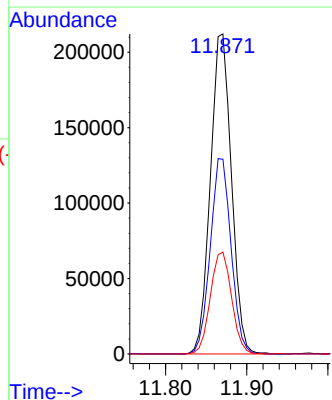
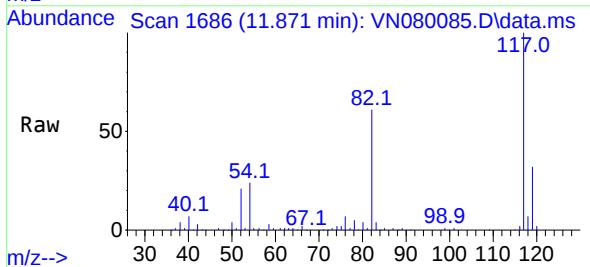
Instrument :
MSVOA_N
ClientSampleId :

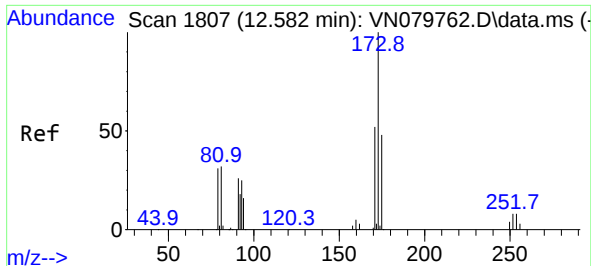
Tgt Ion: 95 Resp: 182826
Ion Ratio Lower Upper
95 100
174 72.8 0.0 143.8
176 70.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

Tgt Ion: 117 Resp: 381801
Ion Ratio Lower Upper
117 100
82 60.9 44.0 66.0
119 31.9 25.6 38.4

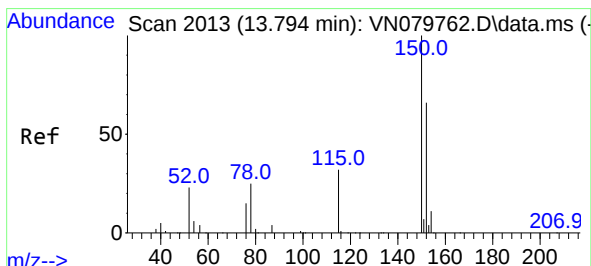
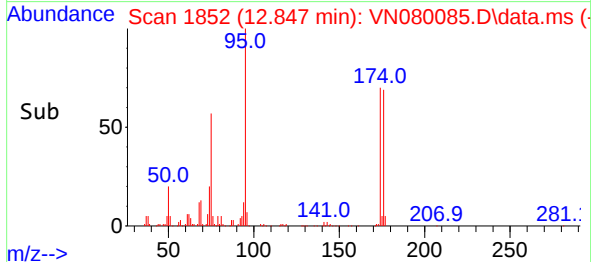
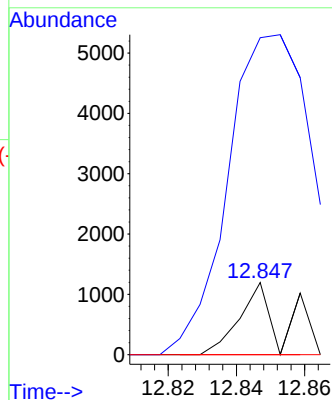
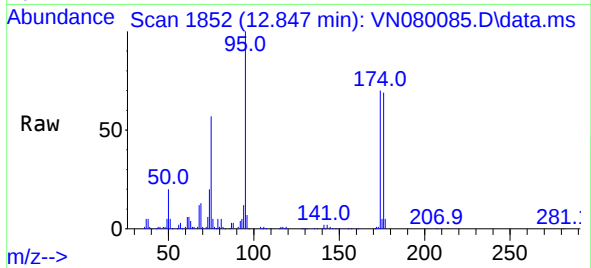




#71
Bromoform
Concen: 0.335 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

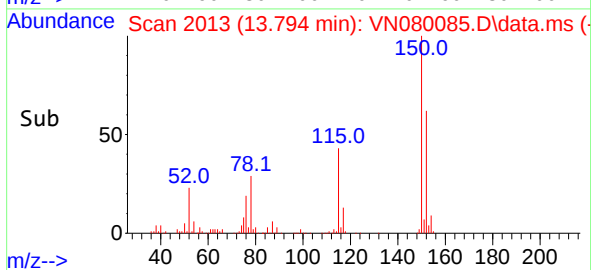
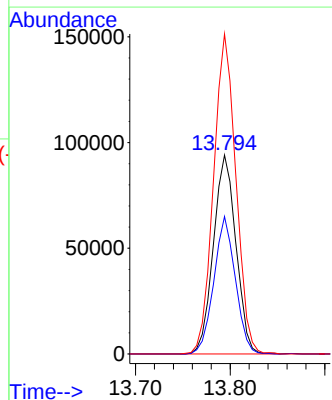
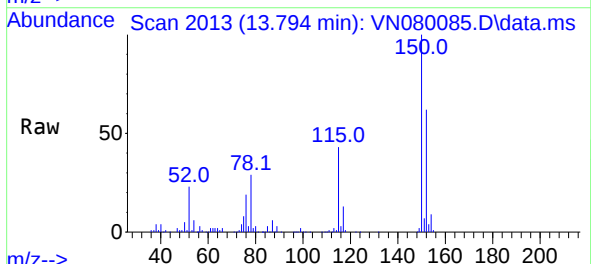
Instrument :
MSVOA_N
ClientSampleId :

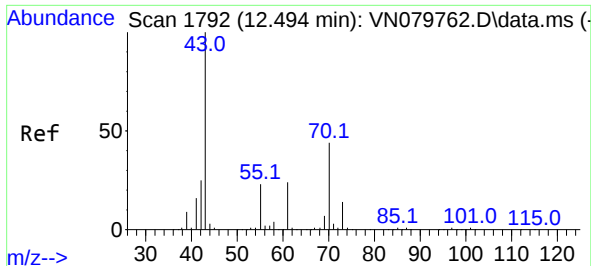
Tgt Ion:173 Resp: 709
Ion Ratio Lower Upper
173 100
175 1129.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

Tgt Ion:152 Resp: 155802
Ion Ratio Lower Upper
152 100
115 65.9 32.3 96.8
150 159.5 0.0 355.8

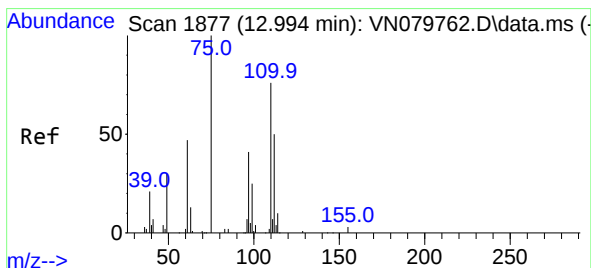
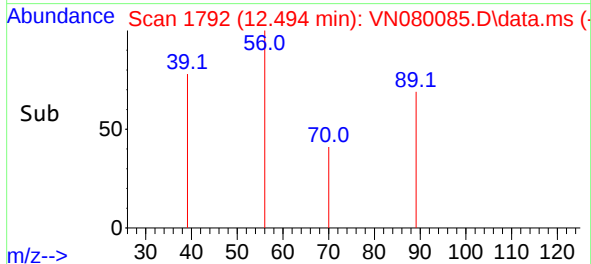
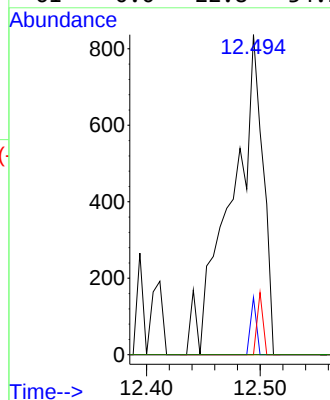
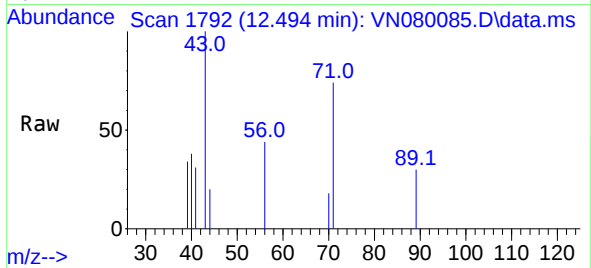




#74
N-amy1 acetate
Concen: 0.313 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

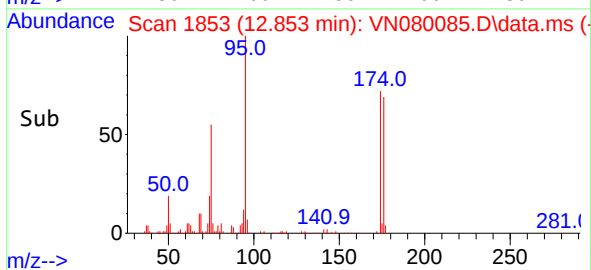
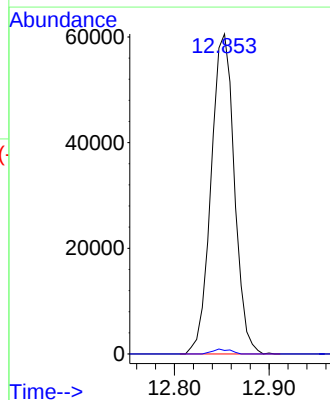
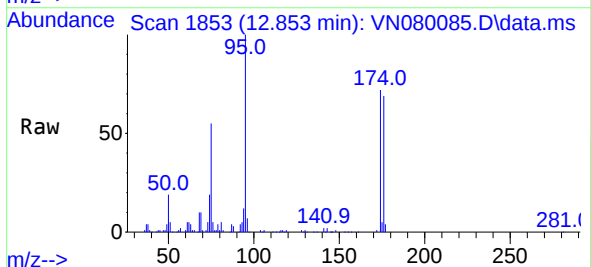
Instrument :
MSVOA_N
ClientSampleId :

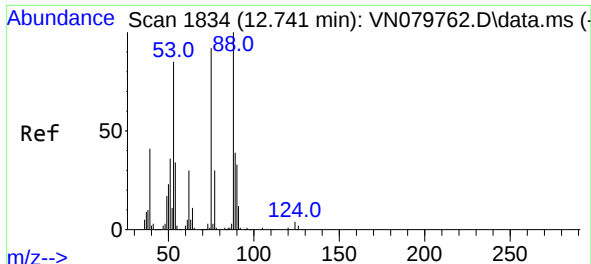
Tgt Ion: 43 Resp: 1613
Ion Ratio Lower Upper
43 100
70 3.3 43.4 65.2#
55 3.6 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 28.293 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

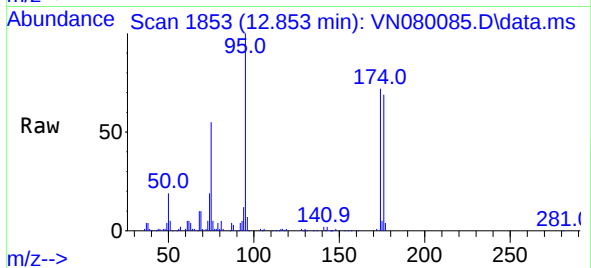
Tgt Ion: 75 Resp: 103488
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



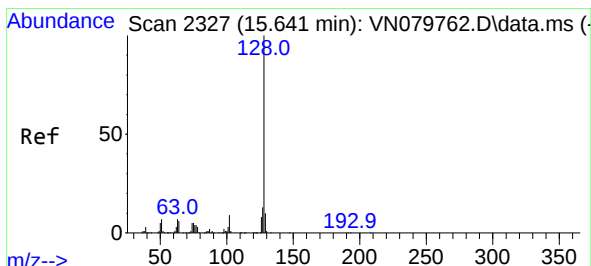
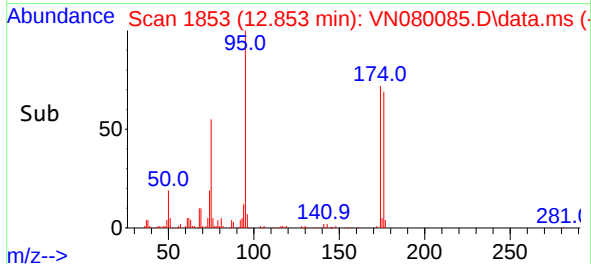
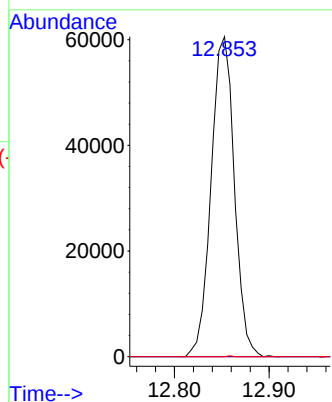


#81
trans-1,4-Dichloro-2-butene
Concen: 76.978 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

Instrument :
MSVOA_N
ClientSampleId :

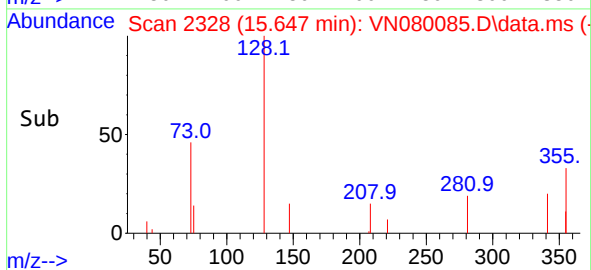
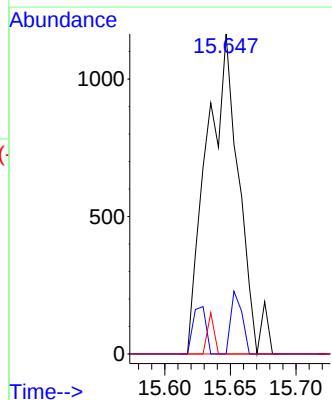
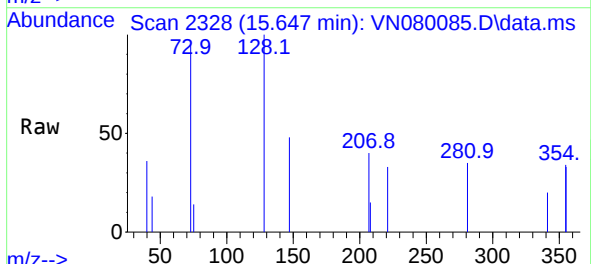


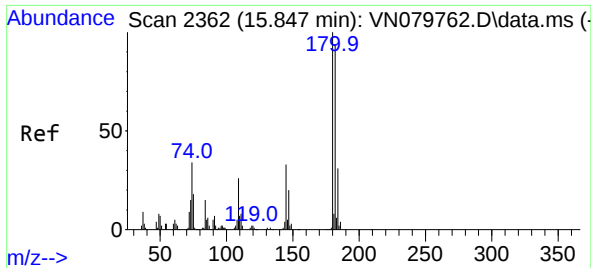
Tgt Ion: 75 Resp: 103488
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#95
Naphthalene
Concen: 0.243 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080085.D
Acq: 14 Nov 2023 13:40

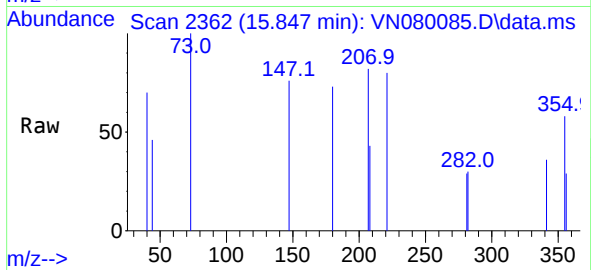
Tgt Ion:128 Resp: 1994
Ion Ratio Lower Upper
128 100
127 6.8 10.0 15.0#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.252 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN080085.D
 Acq: 14 Nov 2023 13:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 597
 Ion Ratio Lower Upper
 180 100
 182 33.5 46.2 138.6#
 145 9.7 17.5 52.6#

