

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080210.D
 Acq On : 20 Nov 2023 16:11
 Operator : JC\MD
 Sample : PB157250ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:06:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

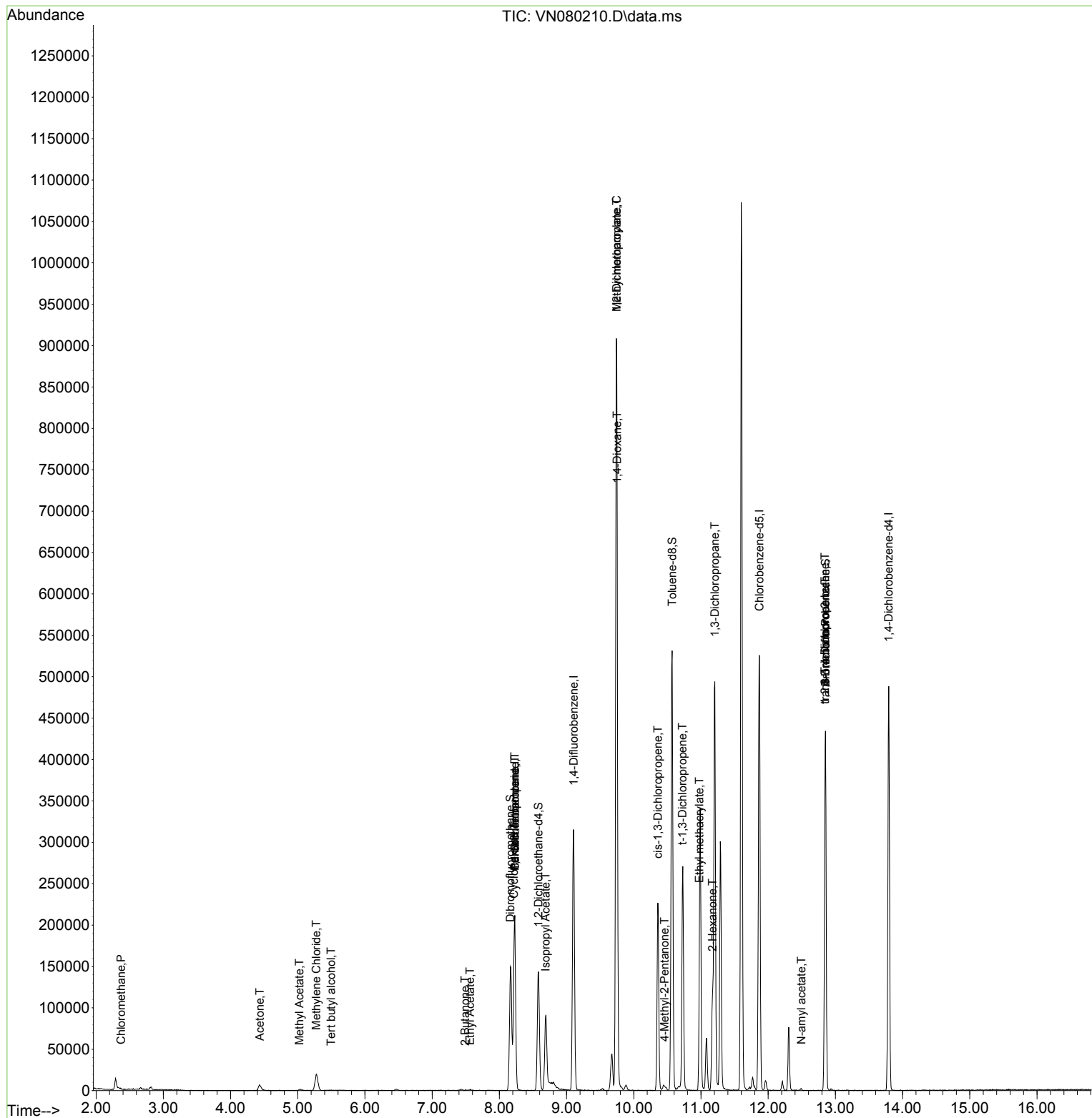
Internal Standards						
1) Pentafluorobenzene	8.229	168	140235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	265007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	297511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	126168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	134828	58.228	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.460%	
35) Dibromofluoromethane	8.165	113	100883	51.592	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.180%	
50) Toluene-d8	10.570	98	368453	52.271	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.540%	
62) 4-Bromofluorobenzene	12.853	95	147166	55.274	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	346	0.220	ug/l	# 42
6) Chloroethane	3.100	64	750	Below Cal	#	43
11) Tert butyl alcohol	5.494	59	64	0.251	ug/l	# 72
16) Acetone	4.436	43	14478	18.616	ug/l	# 78
18) Methyl Acetate	5.024	43	2672	1.069	ug/l	# 67
20) Methylene Chloride	5.277	84	16356	10.043	ug/l	# 90
25) 2-Butanone	7.488	43	1027	1.111	ug/l	# 37
31) Cyclohexane	8.218	56	3146	1.249	ug/l	# 34
36) 1,1-Dichloropropene	8.229	75	13166	4.651	ug/l	# 48
37) Ethyl Acetate	7.565	43	2128	1.084	ug/l	# 68
38) Carbon Tetrachloride	8.229	117	17147	4.773	ug/l	# 15
43) Isopropyl Acetate	8.688	43	103425	27.065	ug/l	# 85
45) 1,2-Dichloropropane	9.747	63	1224	0.655	ug/l	# 45
48) Methyl methacrylate	9.747	41	91344	46.384	ug/l	# 31
49) 1,4-Dioxane	9.753	88	125	3.815	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.459	43	7410	3.745	ug/l	# 68
53) t-1,3-Dichloropropene	10.723	75	911	0.285	ug/l	# 61
54) cis-1,3-Dichloropropene	10.359	75	41311	12.640	ug/l	# 69
56) Ethyl methacrylate	10.976	69	2085	1.062	ug/l	# 1
57) 1,3-Dichloropropane	11.206	76	5541	1.651	ug/l	# 42
59) 2-Hexanone	11.170	43	83104	52.275	ug/l	# 19
71) Bromoform	12.853	173	1001	0.516	ug/l	# 1
74) N-amyl acetate	12.494	43	946	0.309	ug/l	# 39
76) 1,2,3-Trichloropropane	12.847	75	88135	28.510	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	88135	96.325	ug/l	# 15

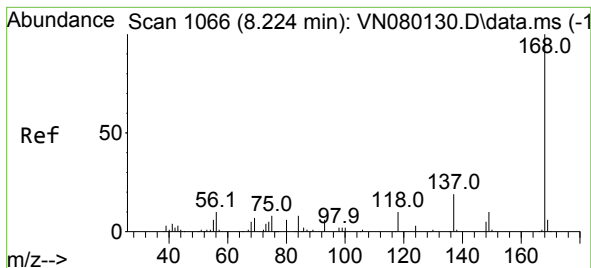
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 21 01:06:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN080210.D

Acq: 20 Nov 2023 16:11

Instrument :

MSVOA_N

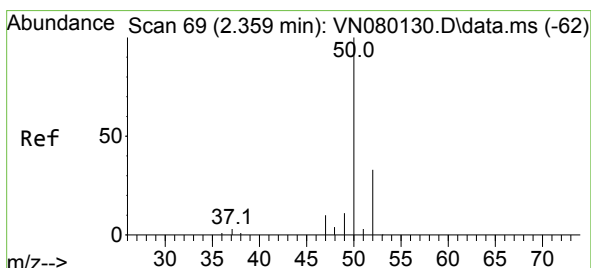
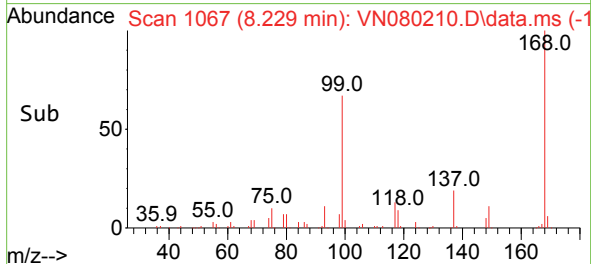
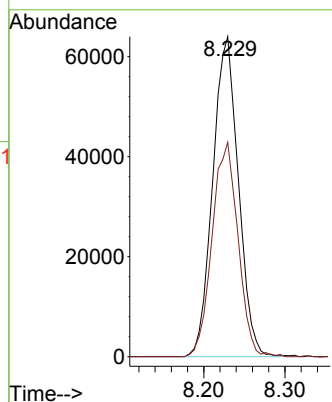
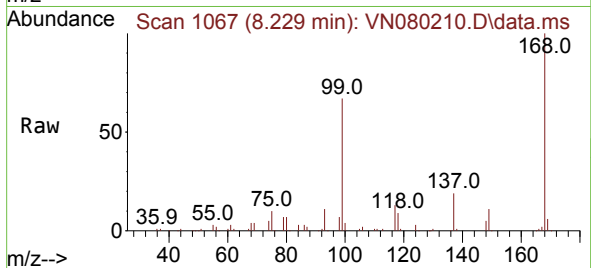
ClientSampleId :

Tgt Ion:168 Resp: 140235

Ion Ratio Lower Upper

168 100

99 67.0 53.0 79.6



#3

Chloromethane

Concen: 0.220 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.011 min

Lab File: VN080210.D

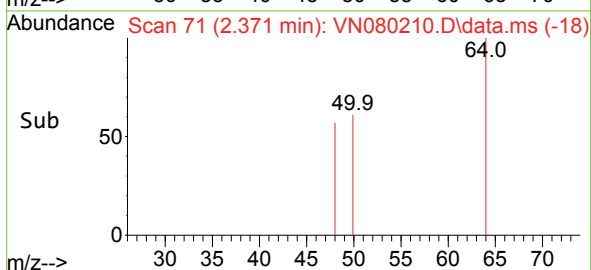
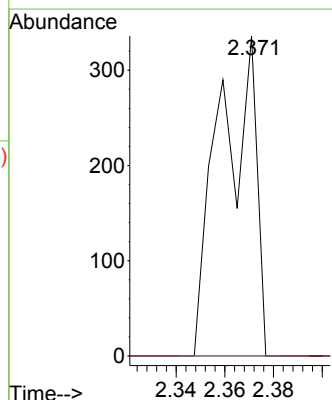
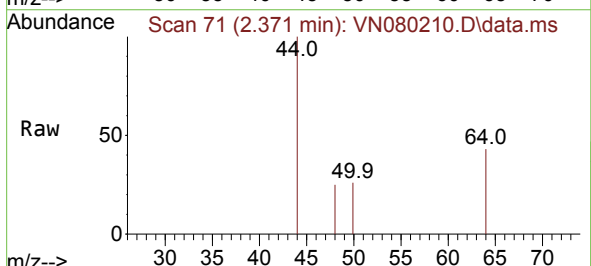
Acq: 20 Nov 2023 16:11

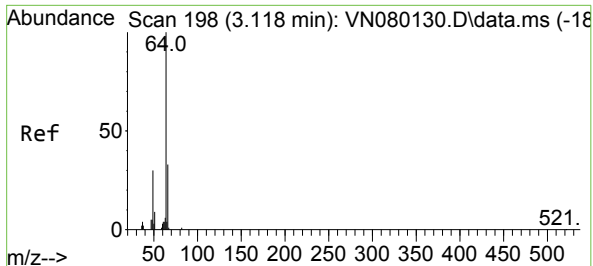
Tgt Ion: 50 Resp: 346

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

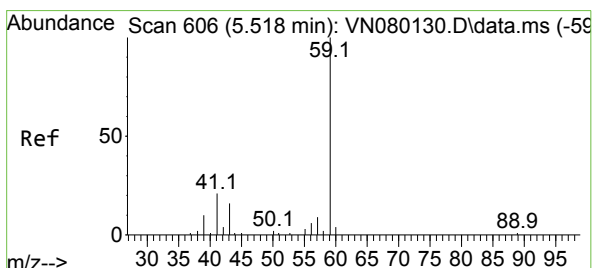
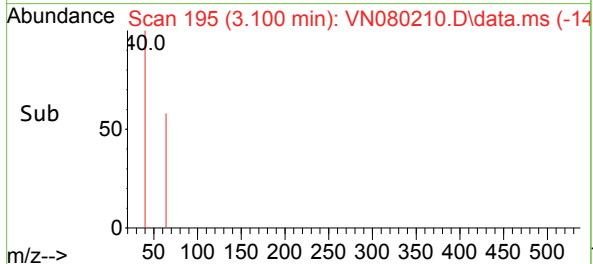
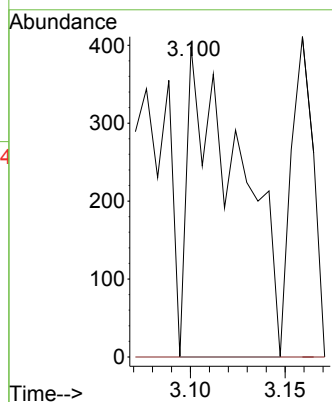
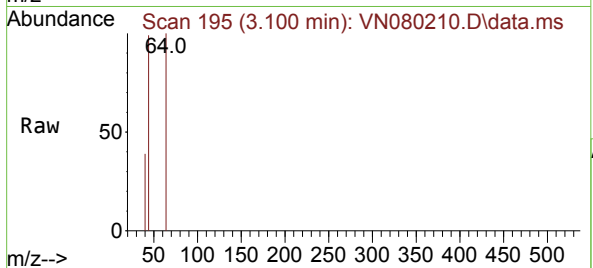




#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 198
Delta R.T. -0.018 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

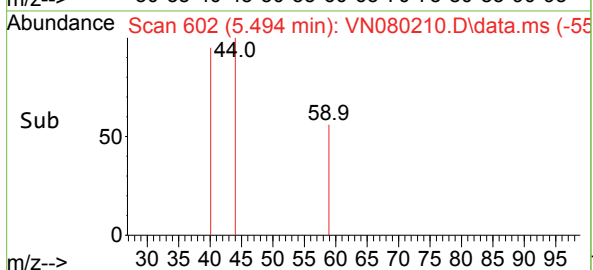
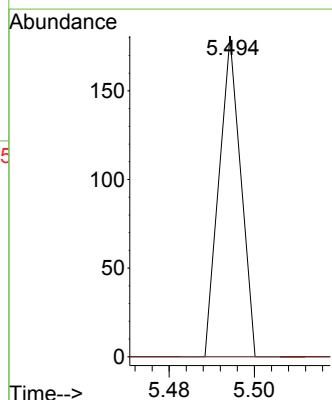
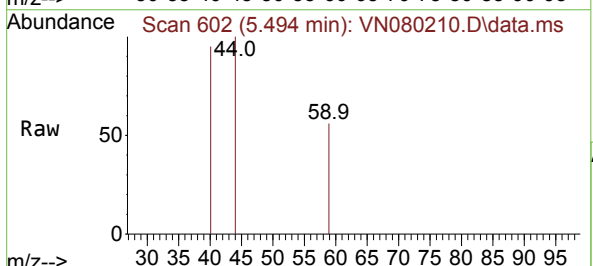
Instrument :
MSVOA_N
ClientSampleId :

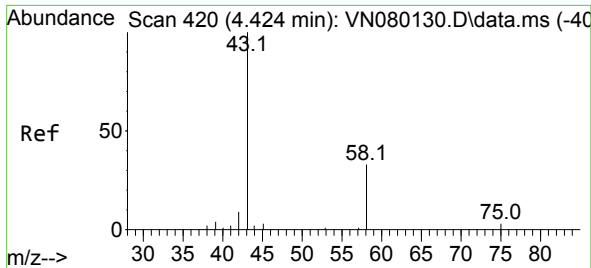
Tgt Ion: 64 Resp: 750
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.251 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.024 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

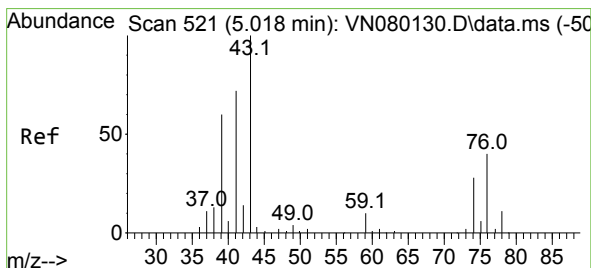
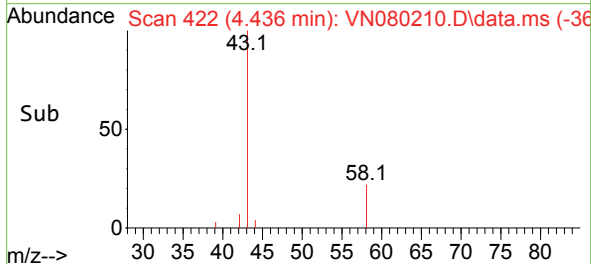
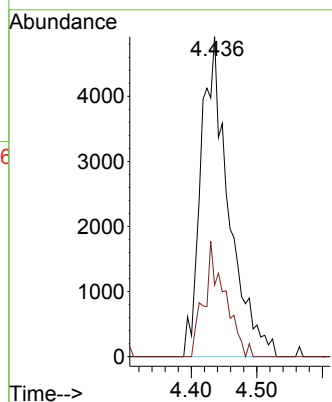
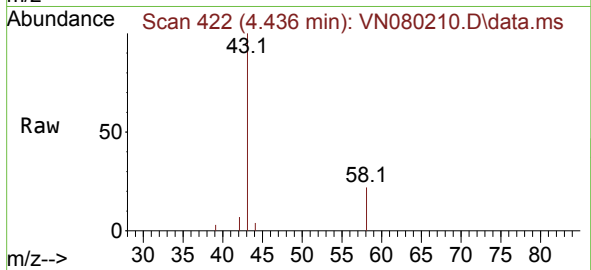




#16
Acetone
Concen: 18.616 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

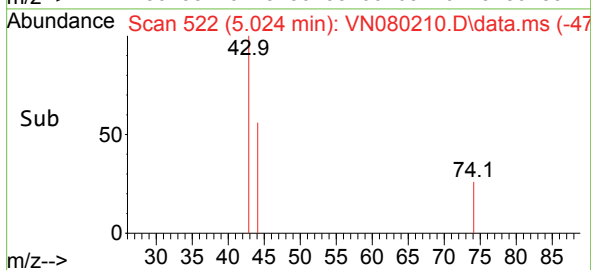
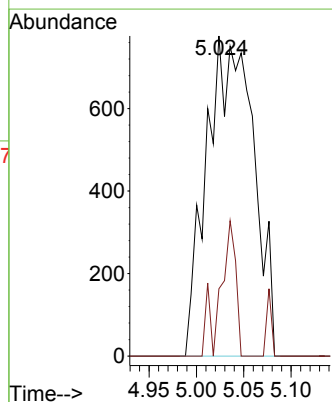
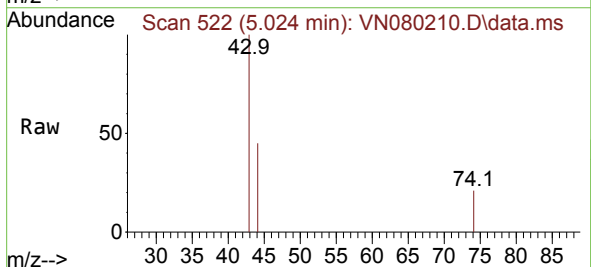
Instrument :
MSVOA_N
ClientSampleId :

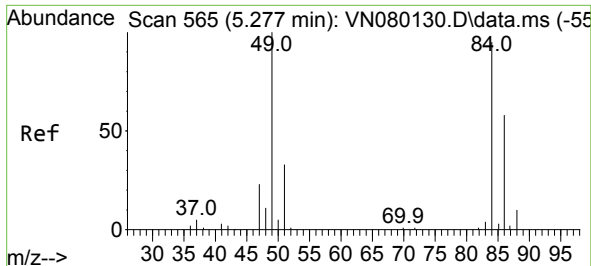
Tgt Ion: 43 Resp: 14478
Ion Ratio Lower Upper
43 100
58 22.4 28.0 42.0#



#18
Methyl Acetate
Concen: 1.069 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

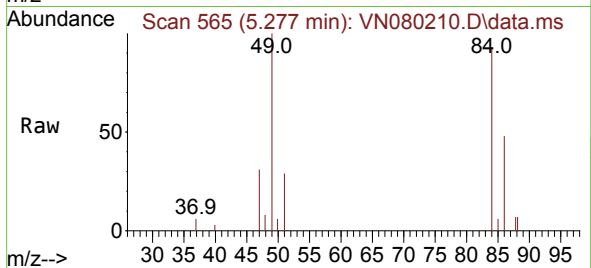
Tgt Ion: 43 Resp: 2672
Ion Ratio Lower Upper
43 100
74 14.3 26.2 39.4#



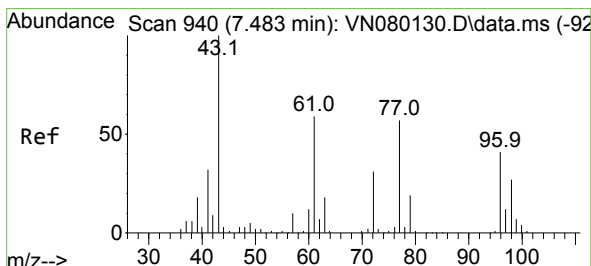
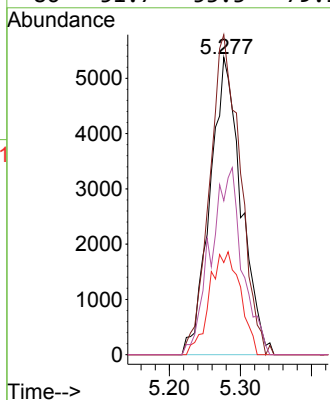
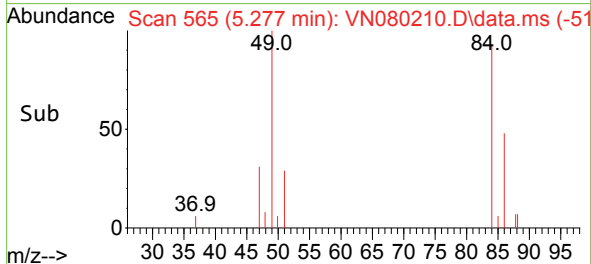


#20
Methylene Chloride
Concen: 10.043 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

Instrument :
MSVOA_N
ClientSampleId :

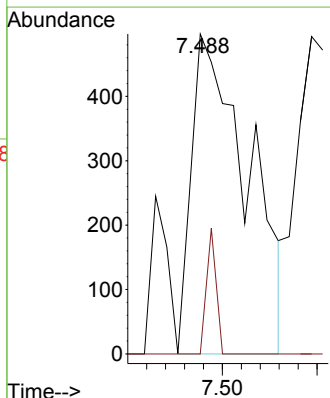
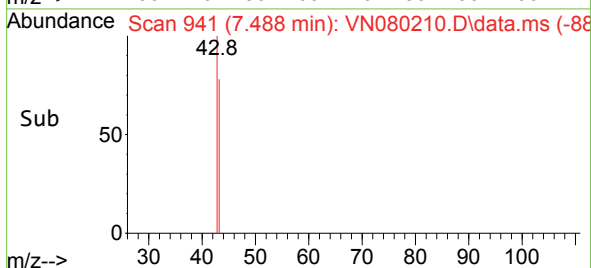
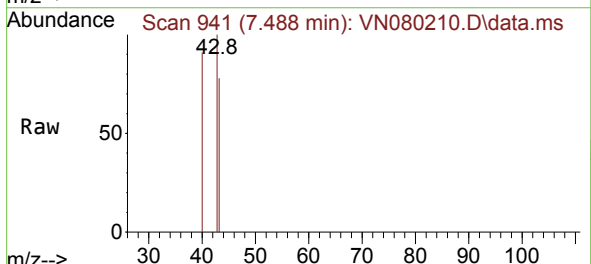


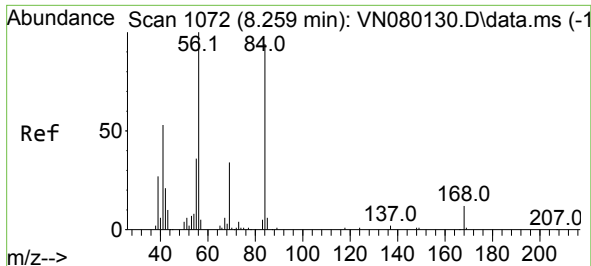
Tgt Ion: 84 Resp: 16356
Ion Ratio Lower Upper
84 100
49 107.6 79.7 119.5
51 31.0 25.2 37.8
86 51.7 53.3 79.9#



#25
2-Butanone
Concen: 1.111 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

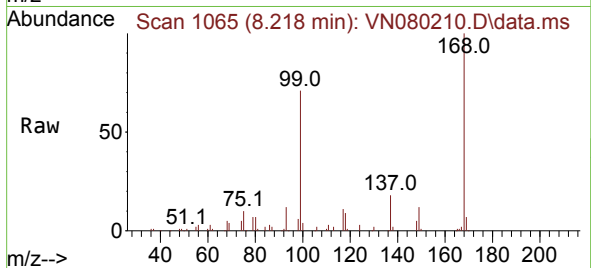
Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



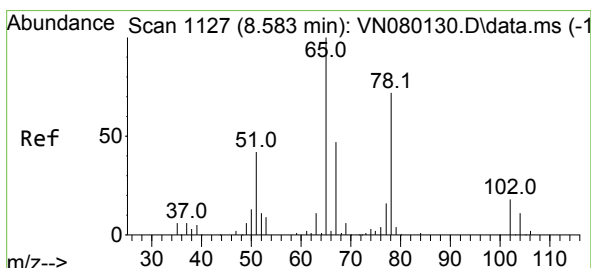
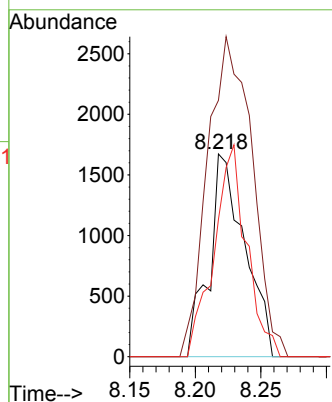
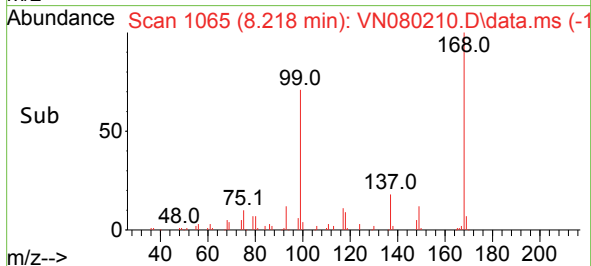


#31
Cyclohexane
Concen: 1.249 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

Instrument :
MSVOA_N
ClientSampleId :

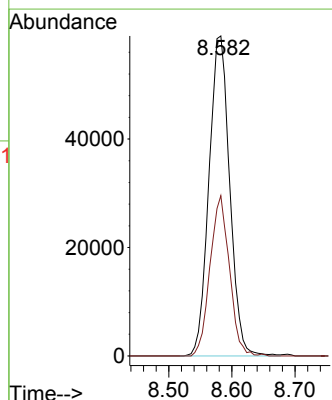
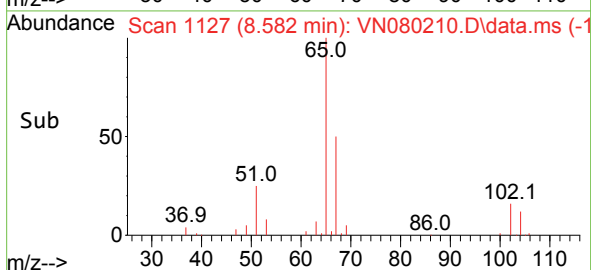
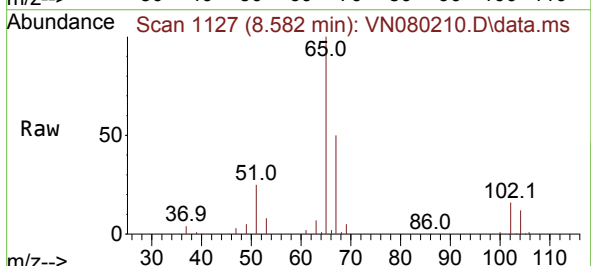


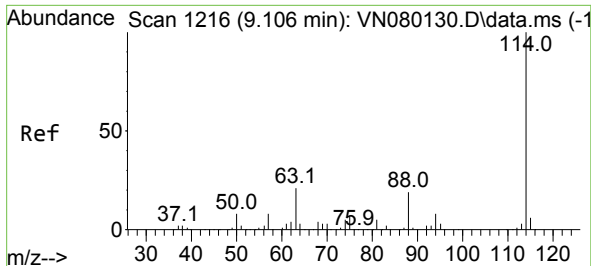
Tgt Ion: 56 Resp: 3146
Ion Ratio Lower Upper
56 100
69 126.5 26.8 40.2#
84 67.7 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 58.228 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

Tgt Ion: 65 Resp: 134828
Ion Ratio Lower Upper
65 100
67 46.7 0.0 106.6

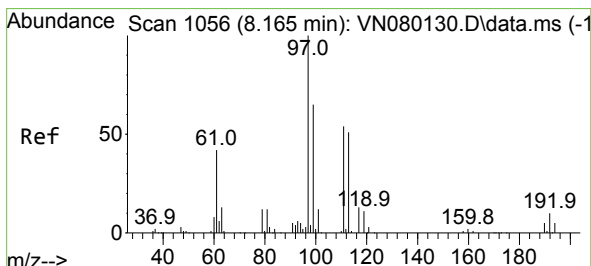
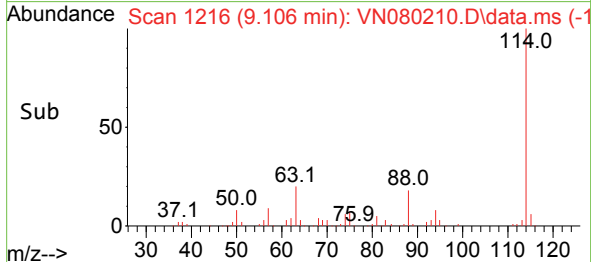
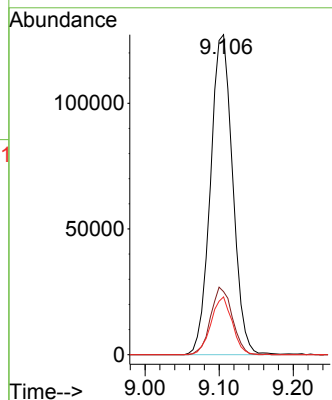
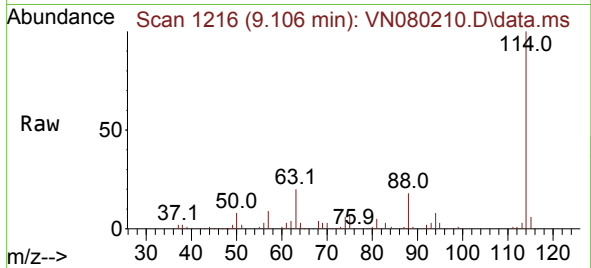




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

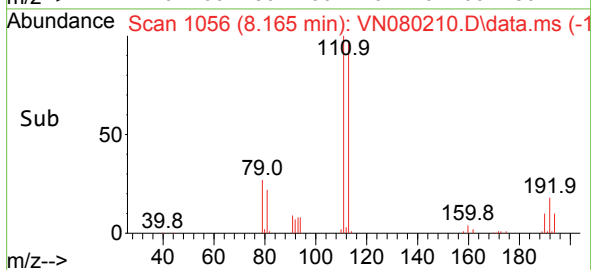
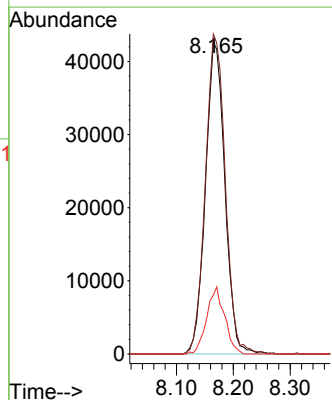
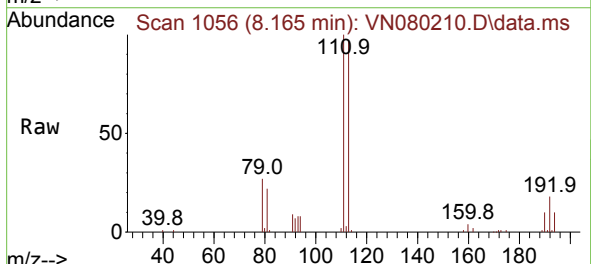
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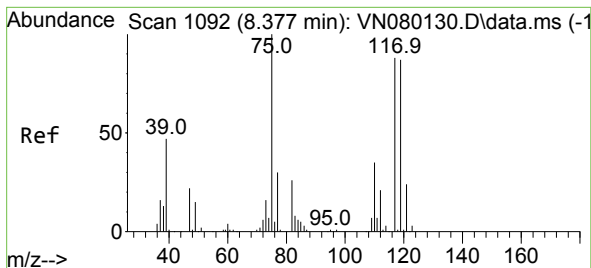
Tgt Ion:114 Resp: 265007
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.4
88 18.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.592 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

Tgt Ion:113 Resp: 100883
Ion Ratio Lower Upper
113 100
111 105.0 82.6 123.8
192 19.8 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.651 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

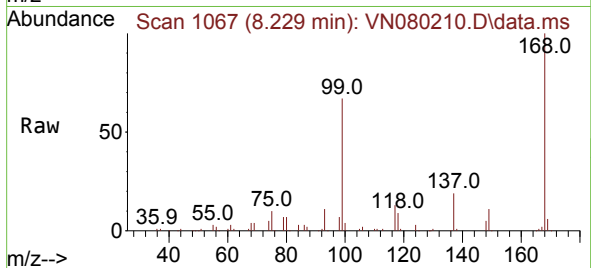
Lab File: VN080210.D

Acq: 20 Nov 2023 16:11

Instrument :

MSVOA_N

ClientSampleId :



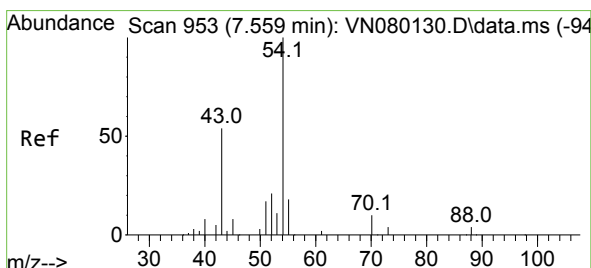
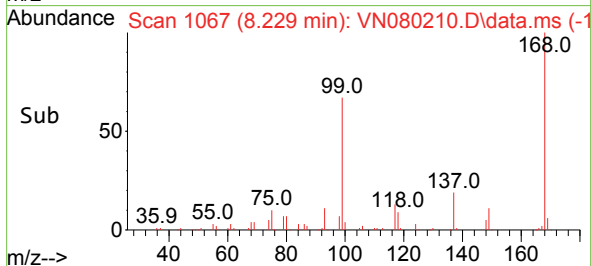
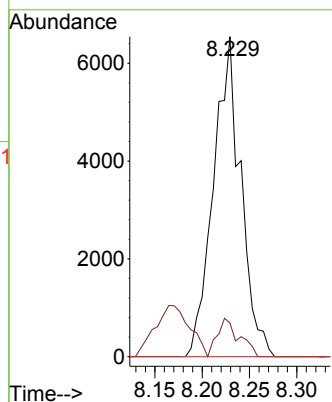
Tgt Ion: 75 Resp: 13166

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.084 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN080210.D

Acq: 20 Nov 2023 16:11

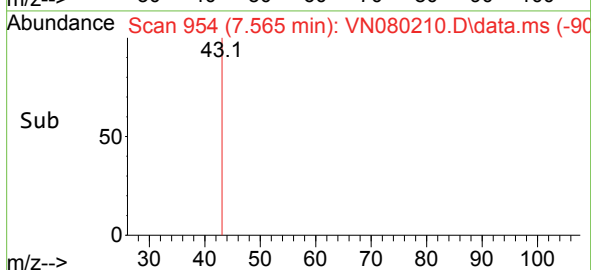
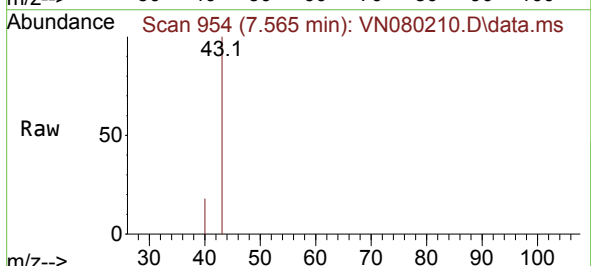
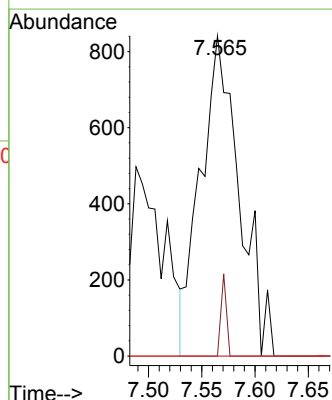
Tgt Ion: 43 Resp: 2128

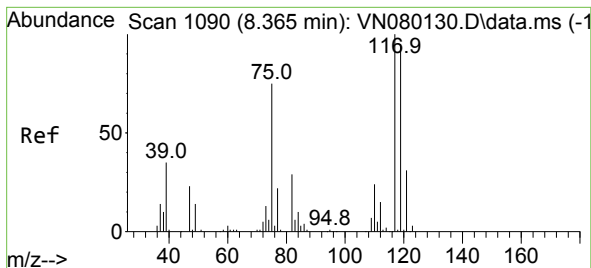
Ion Ratio Lower Upper

43 100

61 3.6 13.2 19.8#

70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.773 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.136 min

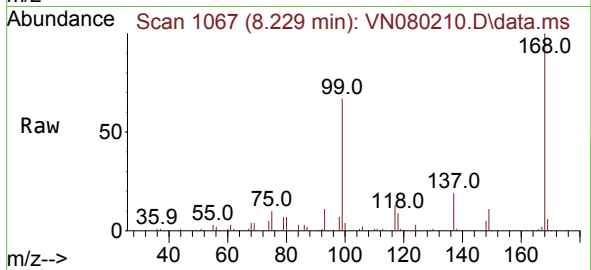
Lab File: VN080210.D

Acq: 20 Nov 2023 16:11

Instrument :

MSVOA_N

ClientSampleId :



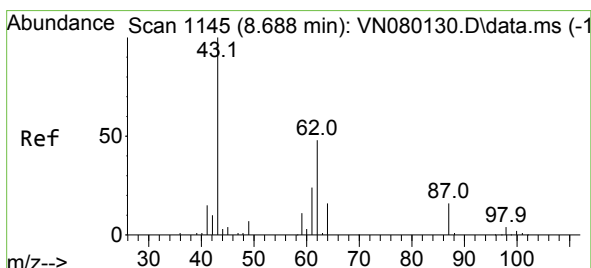
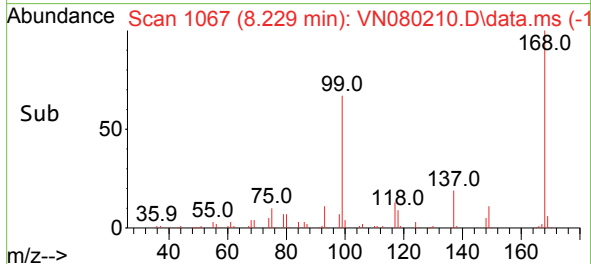
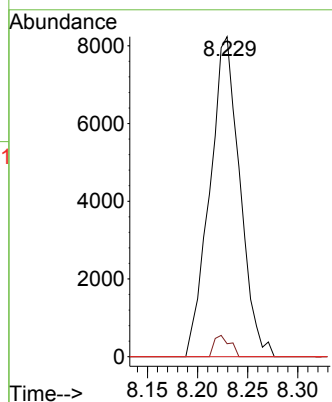
Tgt Ion:117 Resp: 17147

Ion Ratio Lower Upper

117 100

119 4.0 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 27.065 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN080210.D

Acq: 20 Nov 2023 16:11

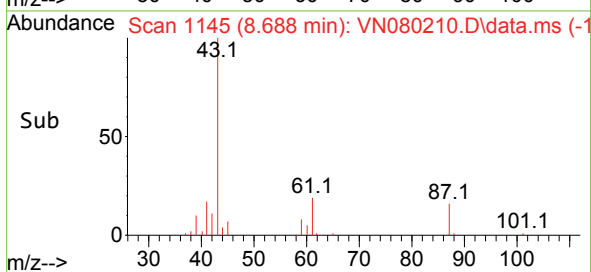
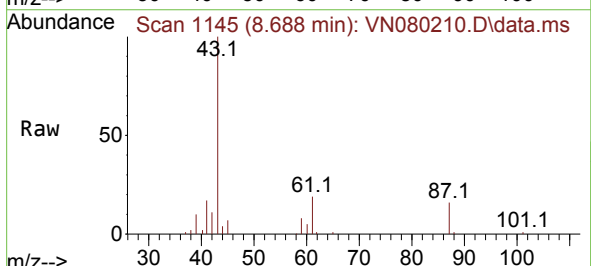
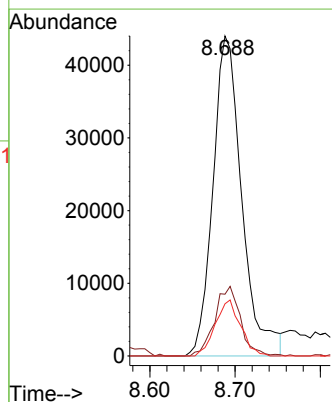
Tgt Ion: 43 Resp: 103425

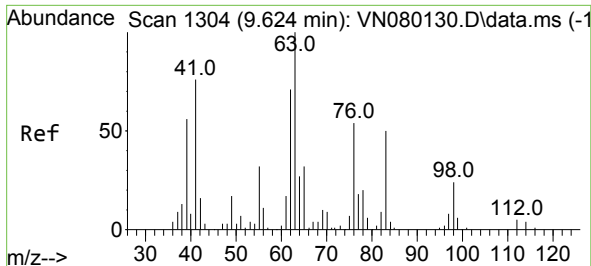
Ion Ratio Lower Upper

43 100

61 19.5 24.7 37.1#

87 15.3 14.6 21.8

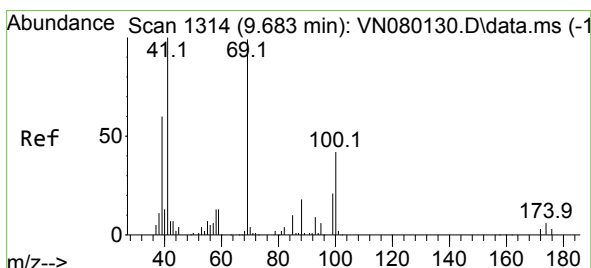
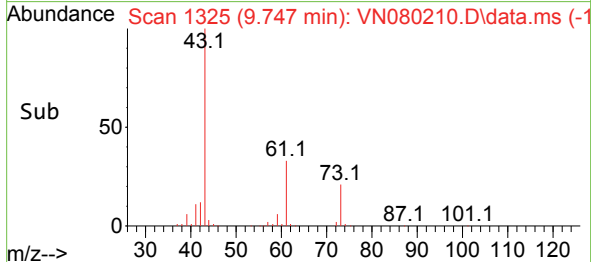
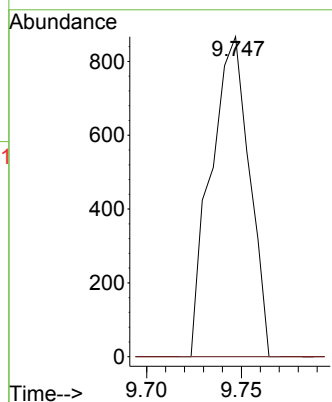
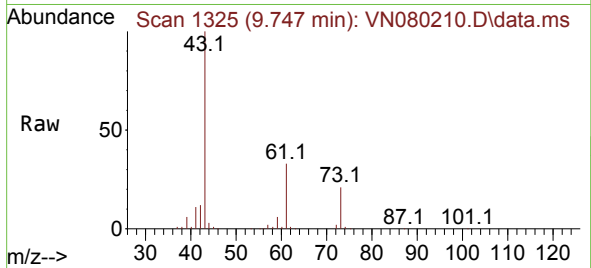




#45
1,2-Dichloropropane
Concen: 0.655 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

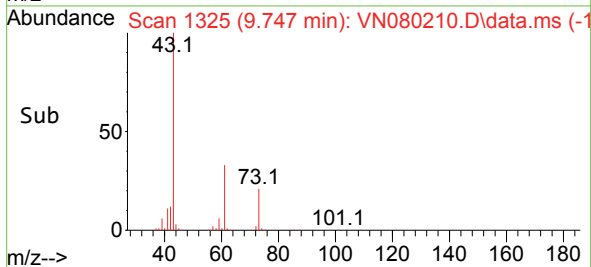
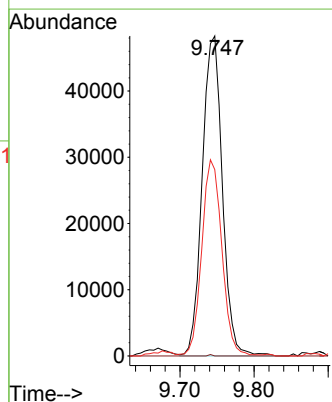
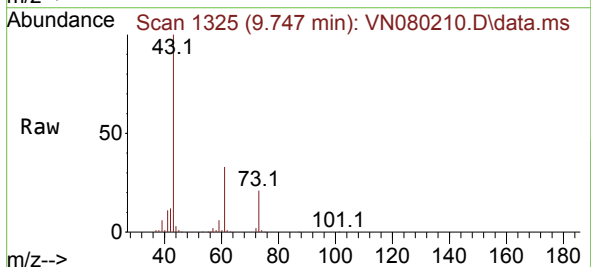
Instrument :
MSVOA_N
ClientSampleId :

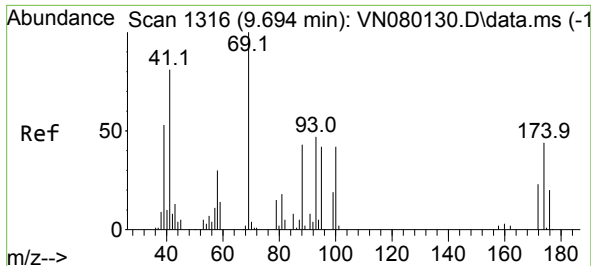
Tgt Ion: 63 Resp: 1224
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 46.384 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.064 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

Tgt Ion: 41 Resp: 91344
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 60.5 54.6 81.8

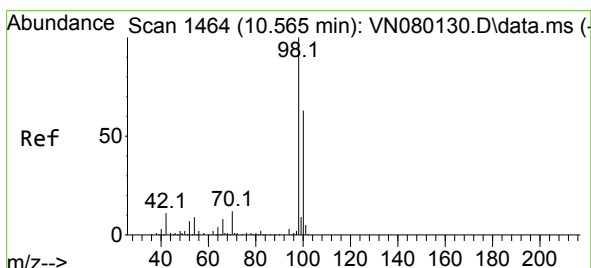
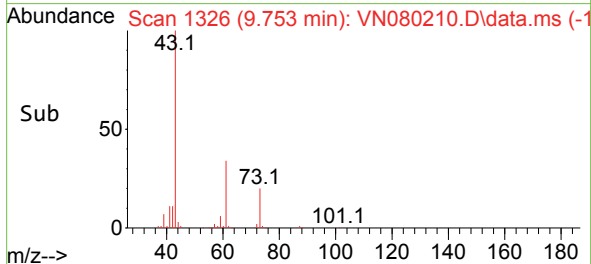
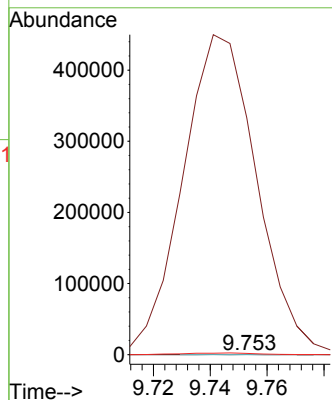
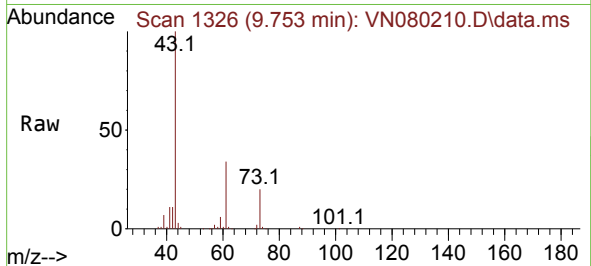




#49
1,4-Dioxane
Concen: 3.815 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

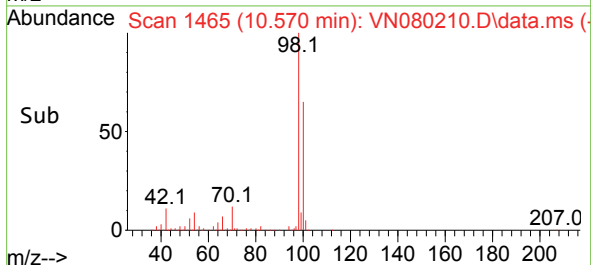
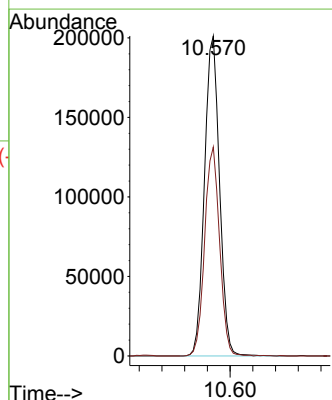
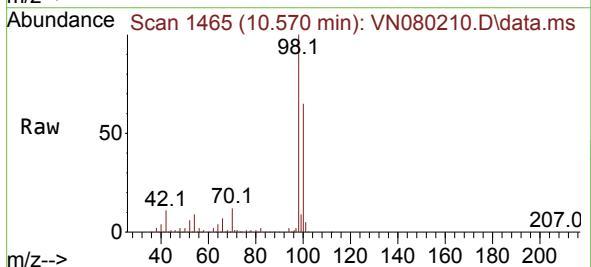
Instrument :
MSVOA_N
ClientSampleId :

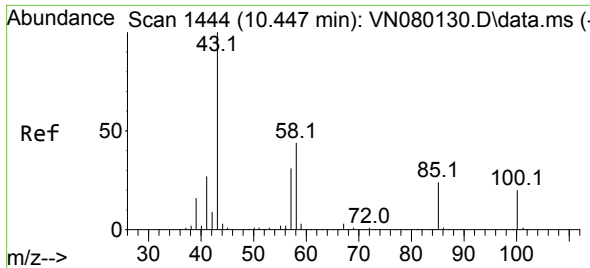
Tgt Ion: 88 Resp: 125
Ion Ratio Lower Upper
88 100
43 656679.2 17.0 25.6#
58 3496.8 47.0 70.4#



#50
Toluene-d8
Concen: 52.271 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

Tgt Ion: 98 Resp: 368453
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

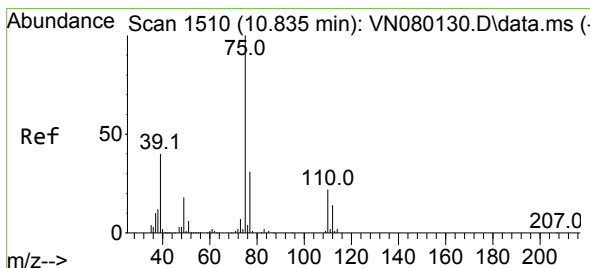
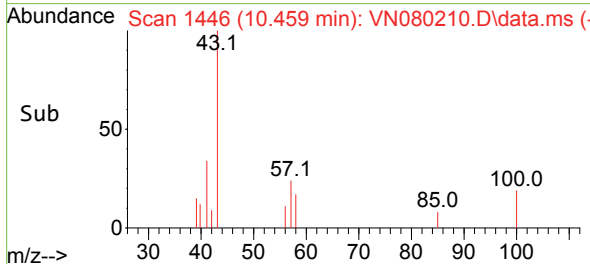
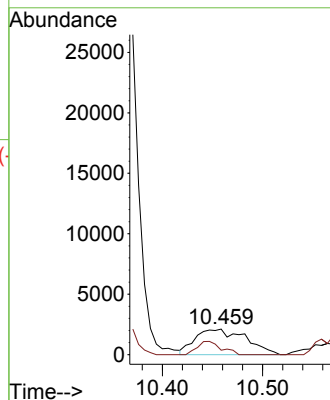
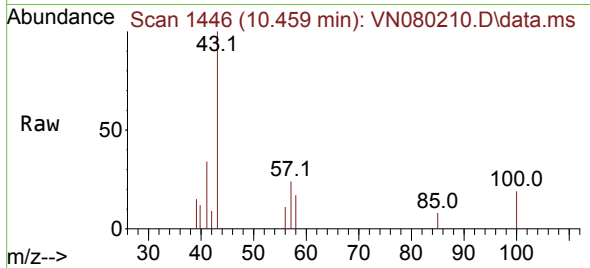




#51
4-Methyl-2-Pentanone
Concen: 3.745 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.011 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

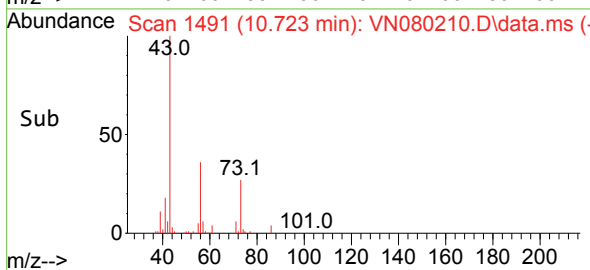
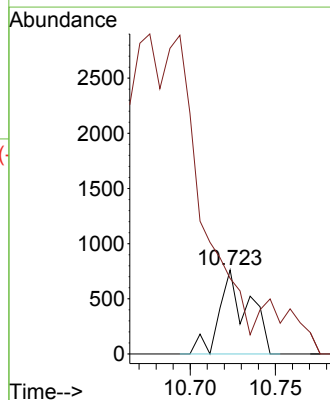
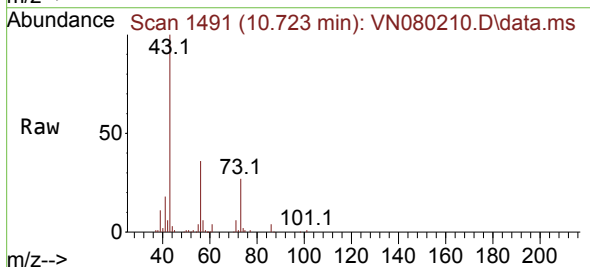
Instrument :
MSVOA_N
ClientSampleId :

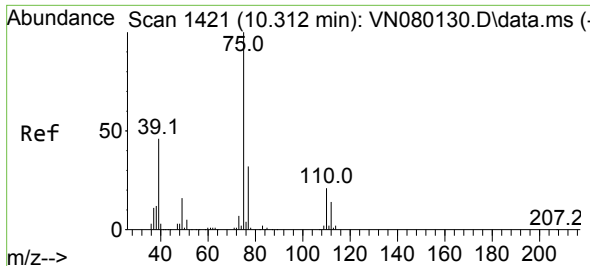
Tgt Ion: 43 Resp: 7410
Ion Ratio Lower Upper
43 100
58 24.8 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.285 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

Tgt Ion: 75 Resp: 911
Ion Ratio Lower Upper
75 100
77 53.4 25.4 38.0#

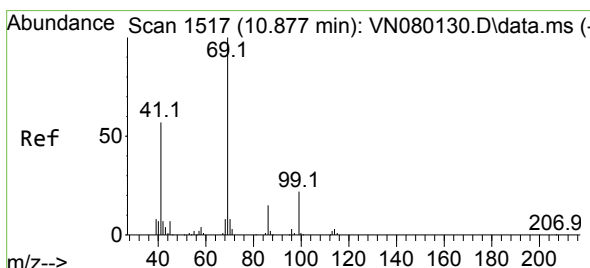
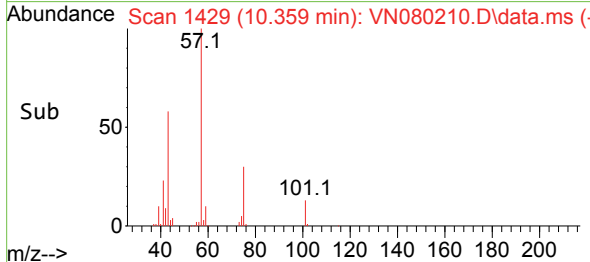
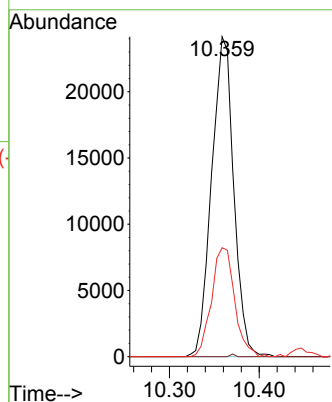
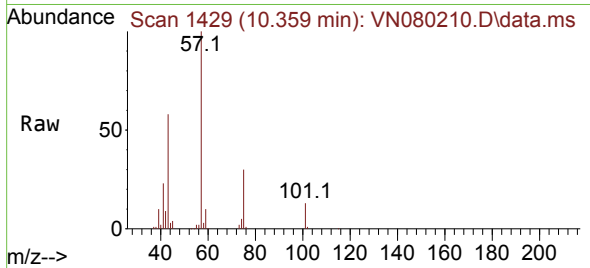




#54
cis-1,3-Dichloropropene
Concen: 12.640 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

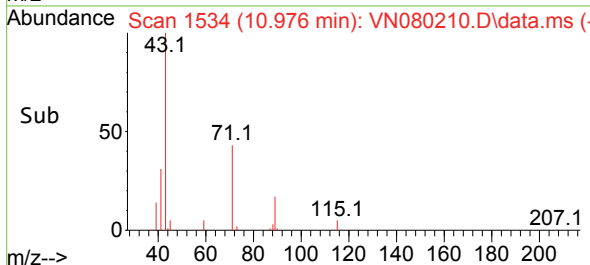
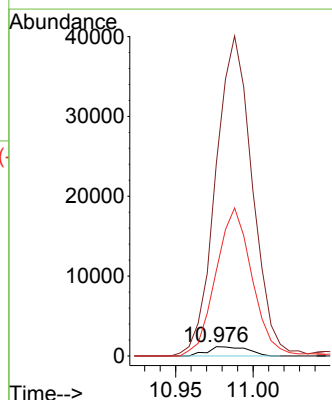
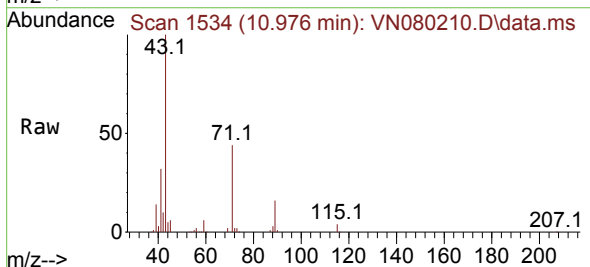
Instrument :
MSVOA_N
ClientSampleId :

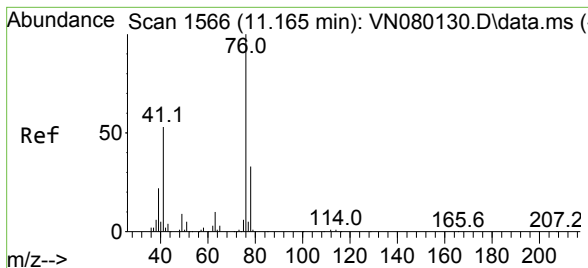
Tgt Ion: 75 Resp: 41311
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 34.0 31.6 47.4



#56
Ethyl methacrylate
Concen: 1.062 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.100 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

Tgt Ion: 69 Resp: 2085
Ion Ratio Lower Upper
69 100
41 3167.5 39.6 59.4#
39 1456.5 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.651 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN080210.D

Acq: 20 Nov 2023 16:11

Instrument :

MSVOA_N

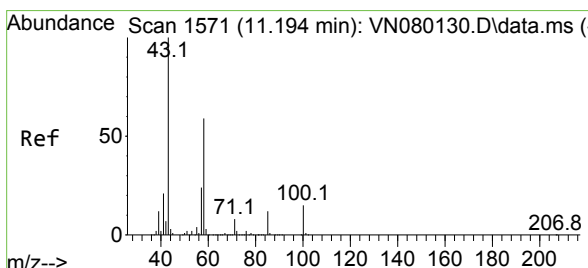
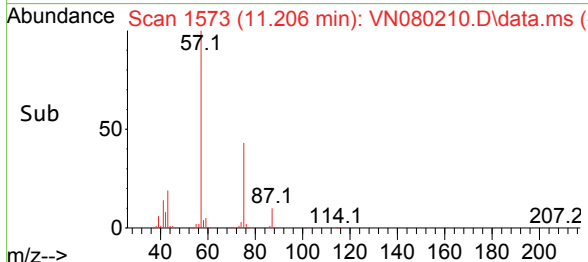
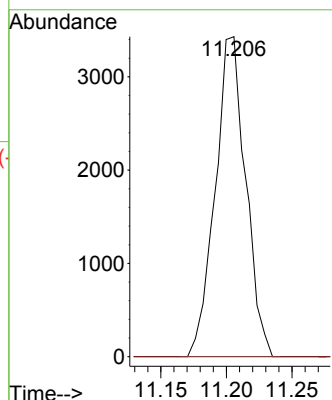
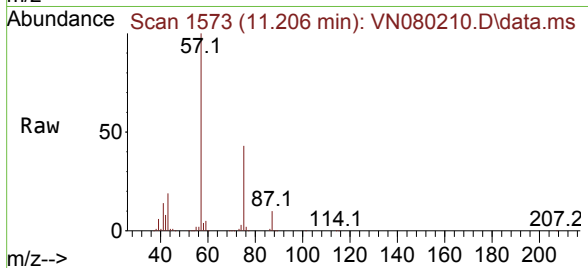
ClientSampleId :

Tgt Ion: 76 Resp: 5541

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 52.275 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN080210.D

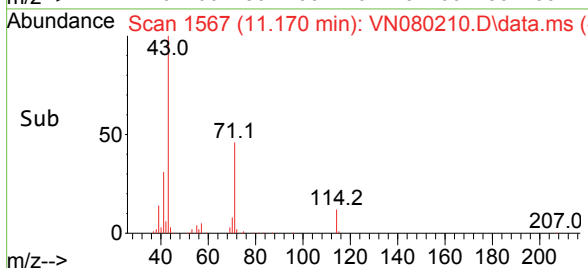
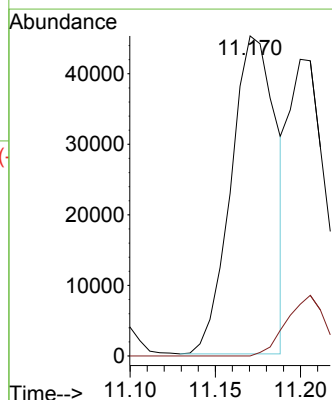
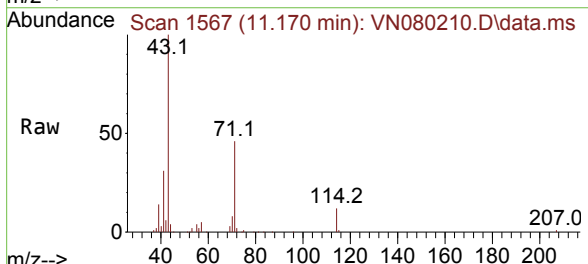
Acq: 20 Nov 2023 16:11

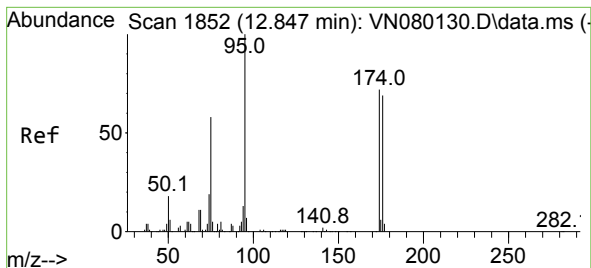
Tgt Ion: 43 Resp: 83104

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

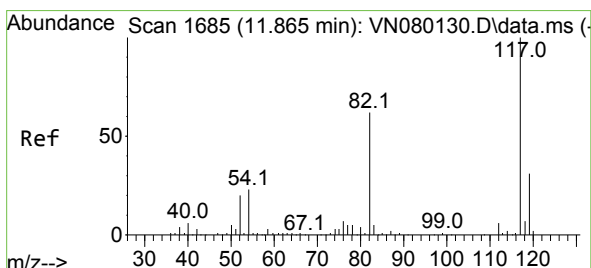
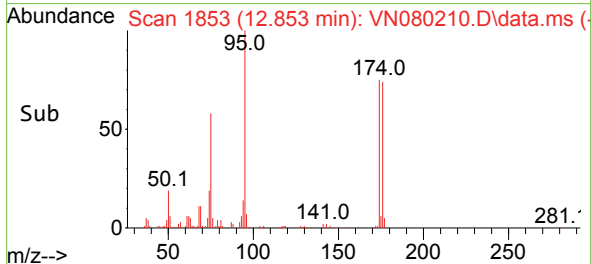
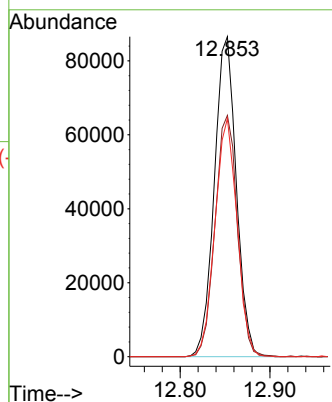
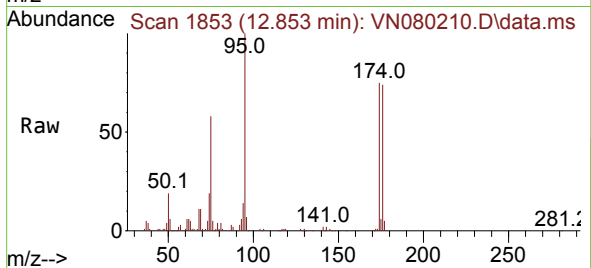




#62
4-Bromofluorobenzene
Concen: 55.274 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

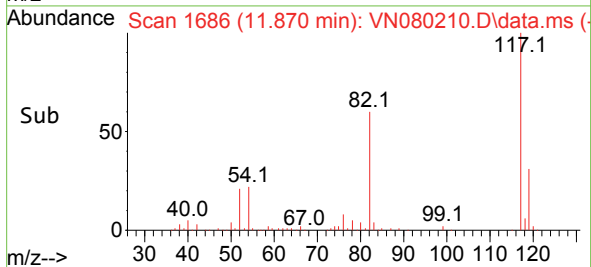
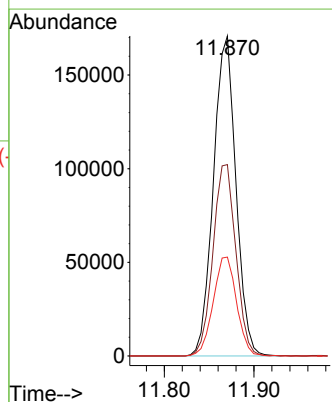
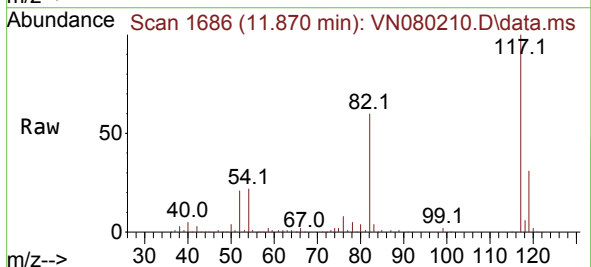
Instrument :
MSVOA_N
ClientSampleId :

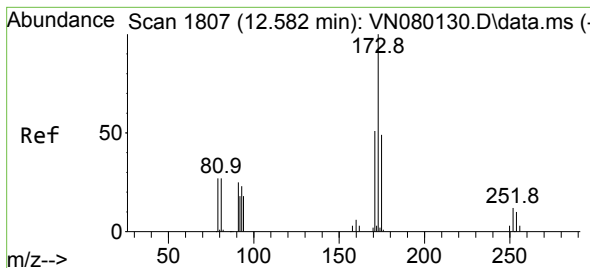
Tgt Ion: 95 Resp: 147166
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.8
176 74.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

Tgt Ion: 117 Resp: 297511
Ion Ratio Lower Upper
117 100
82 59.8 44.0 66.0
119 30.9 25.6 38.4





#71

Bromoform

Concen: 0.516 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.270 min

Lab File: VN080210.D

Acq: 20 Nov 2023 16:11

Instrument :

MSVOA_N

ClientSampleId :

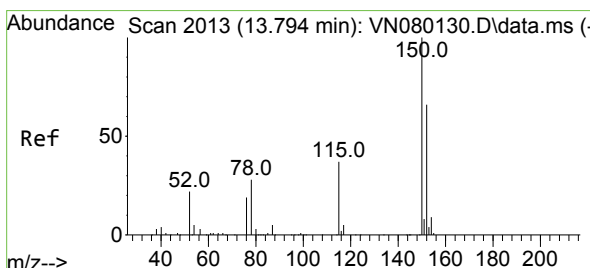
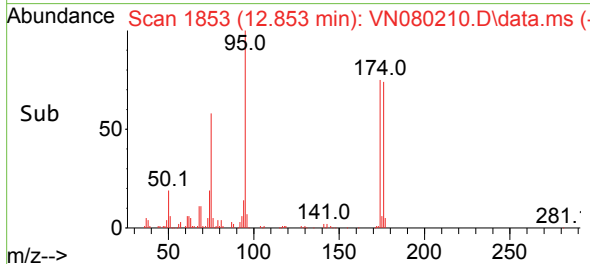
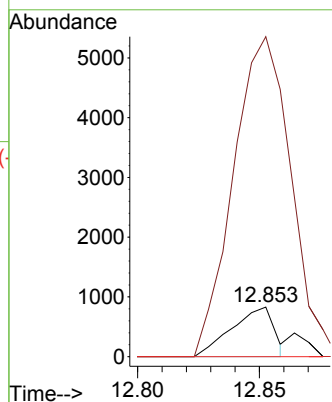
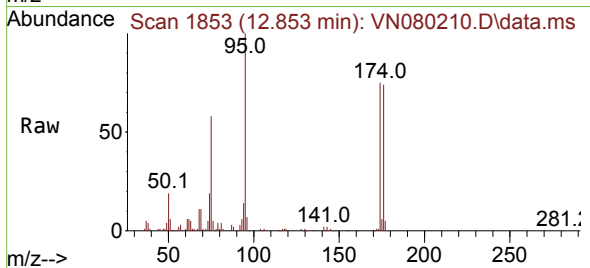
Tgt Ion:173 Resp: 1001

Ion Ratio Lower Upper

173 100

175 736.2 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: VN080210.D

Acq: 20 Nov 2023 16:11

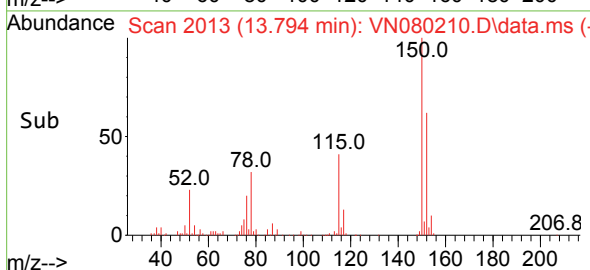
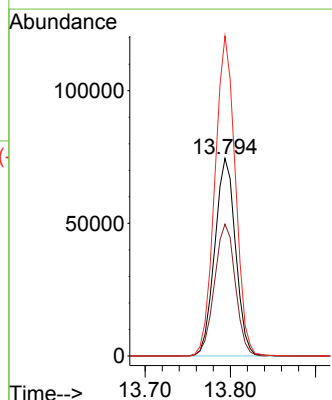
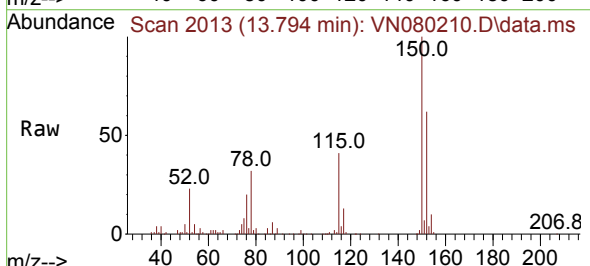
Tgt Ion:152 Resp: 126168

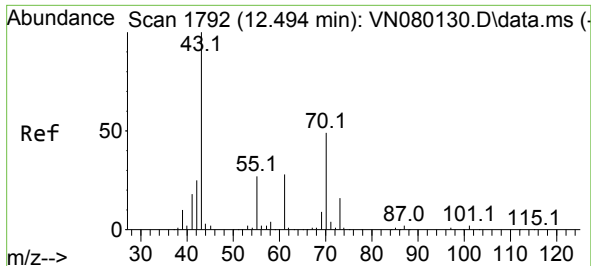
Ion Ratio Lower Upper

152 100

115 67.1 32.3 96.8

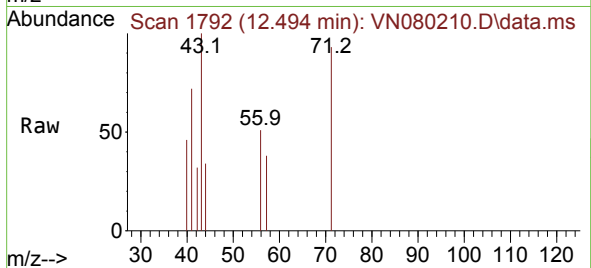
150 159.3 0.0 355.8



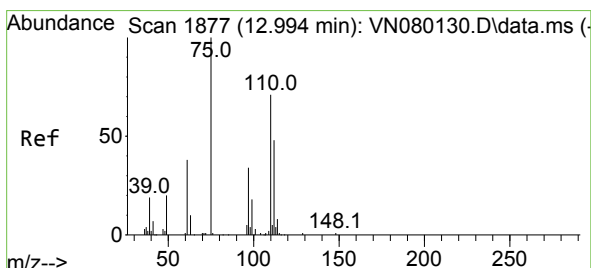
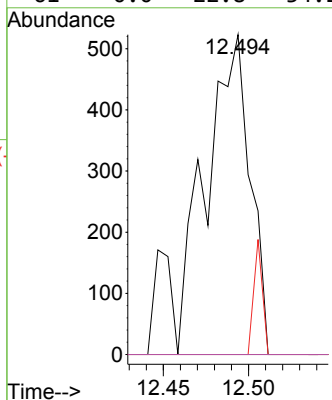
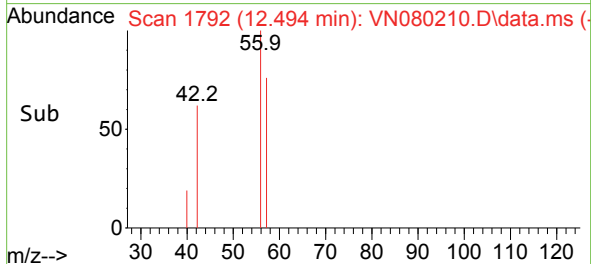


#74
N-amy1 acetate
Concen: 0.309 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

Instrument :
MSVOA_N
ClientSampleId :

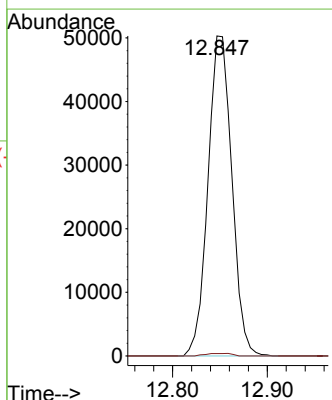
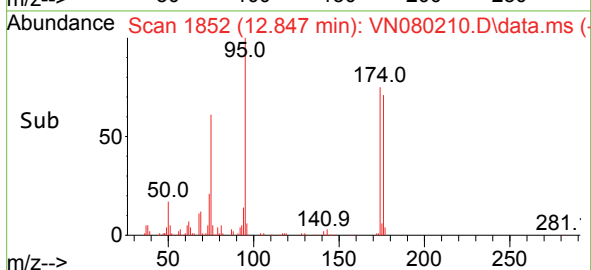
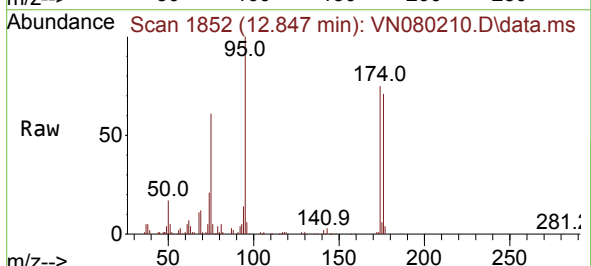


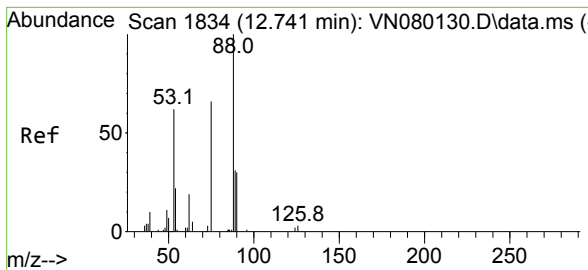
Tgt Ion:	43	Resp:	946
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	7.0	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 28.510 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080210.D
Acq: 20 Nov 2023 16:11

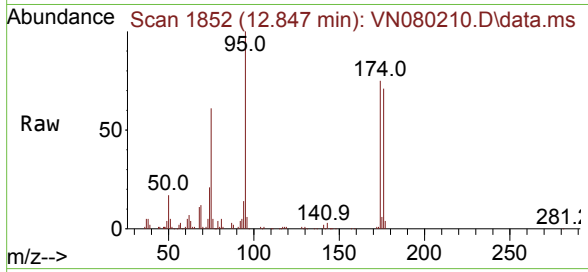
Tgt Ion:	75	Resp:	88135
Ion	Ratio	Lower	Upper
75	100		
77	0.9	84.5	253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.325 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN080210.D
 Acq: 20 Nov 2023 16:11

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 88135
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

