

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080220.D
 Acq On : 20 Nov 2023 20:09
 Operator : JC\MD
 Sample : 05489-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:11:30 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)

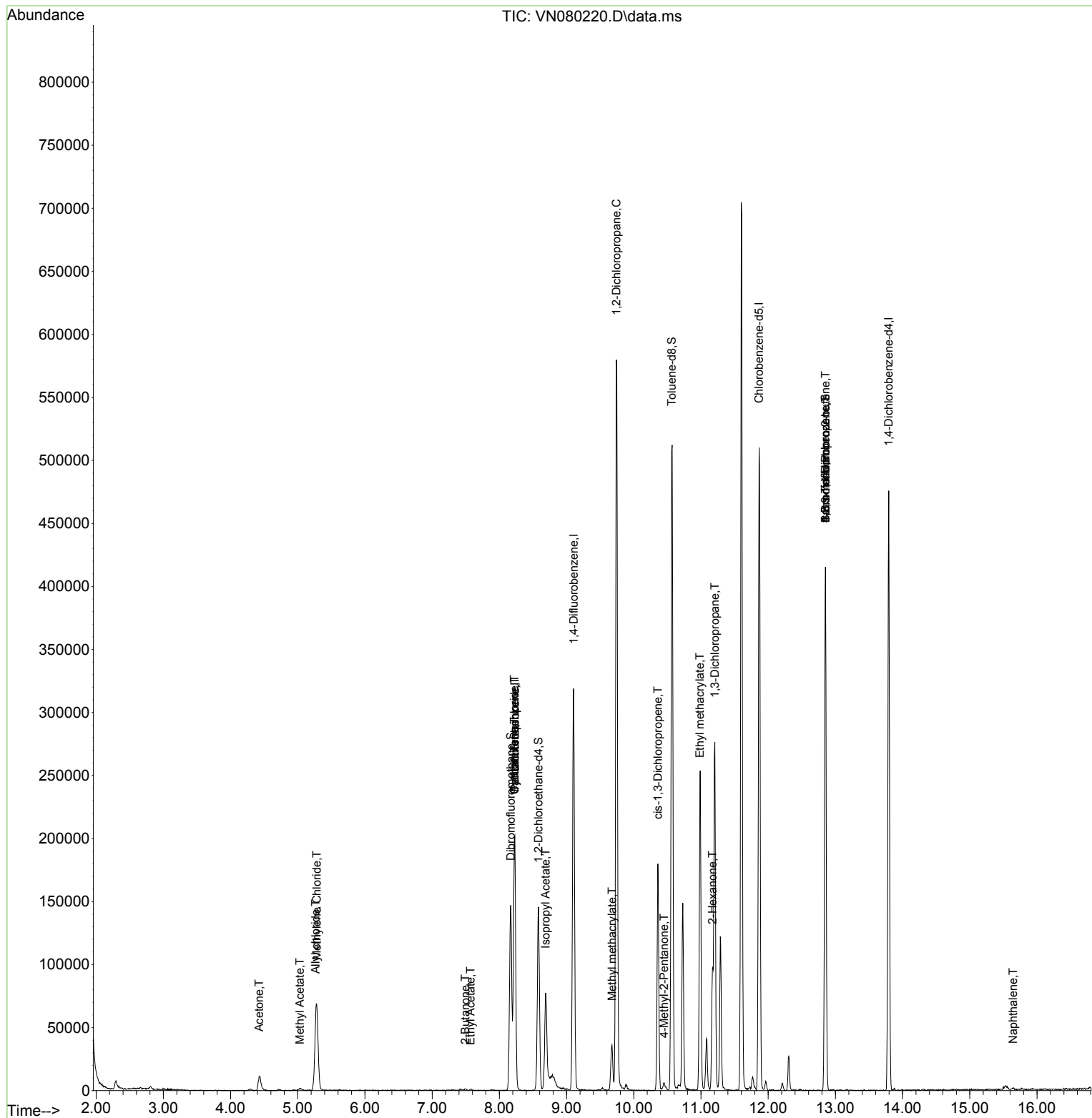
Internal Standards						
1) Pentafluorobenzene	8.230	168	137499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	261081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	133468	58.788	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.580%			
35) Dibromofluoromethane	8.171	113	101261	52.564	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.120%			
50) Toluene-d8	10.565	98	359849	51.819	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.640%			
62) 4-Bromofluorobenzene	12.853	95	138924	52.963	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.920%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.112	64	256	Below Cal	#	43
14) Allyl chloride	5.265	41	606	0.331	ug/l #	19
16) Acetone	4.424	43	21801	28.590	ug/l #	85
18) Methyl Acetate	5.030	43	3186	1.300	ug/l #	49
20) Methylene Chloride	5.283	84	59285	37.125	ug/l	96
25) 2-Butanone	7.494	43	1771	1.955	ug/l	99
31) Cyclohexane	8.224	56	3597	1.457	ug/l #	20
36) 1,1-Dichloropropene	8.230	75	13107	4.699	ug/l #	47
37) Ethyl Acetate	7.571	43	1729	0.894	ug/l #	75
38) Carbon Tetrachloride	8.224	117	17020	4.809	ug/l #	16
43) Isopropyl Acetate	8.688	43	88623	23.540	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	727	0.395	ug/l #	45
48) Methyl methacrylate	9.676	41	2186	1.127	ug/l #	32
51) 4-Methyl-2-Pentanone	10.453	43	6408	3.288	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	32021	9.945	ug/l #	66
56) Ethyl methacrylate	10.982	69	1314	0.679	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3073	0.930	ug/l #	42
59) 2-Hexanone	11.171	43	72817	46.493	ug/l #	19
71) Bromoform	12.853	173	881	0.468	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	81260	26.908	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	81260	90.911	ug/l #	15
95) Naphthalene	15.647	128	1609	0.229	ug/l #	76

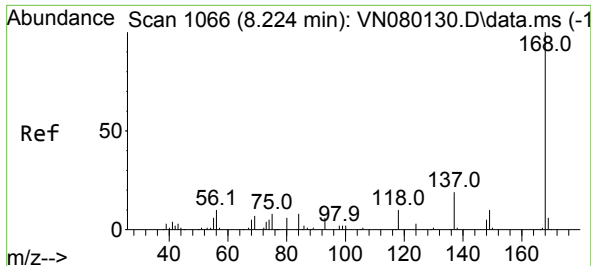
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

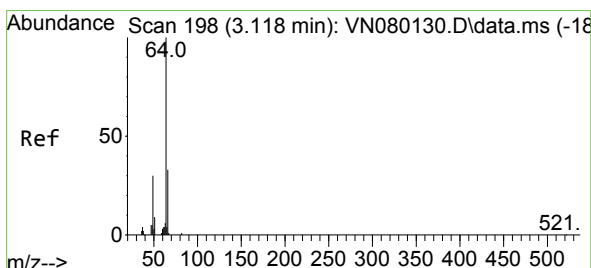
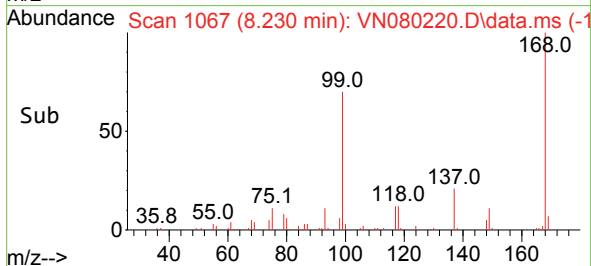
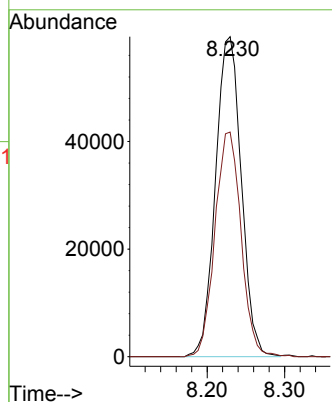
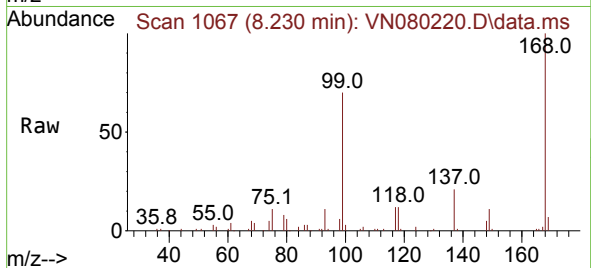




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

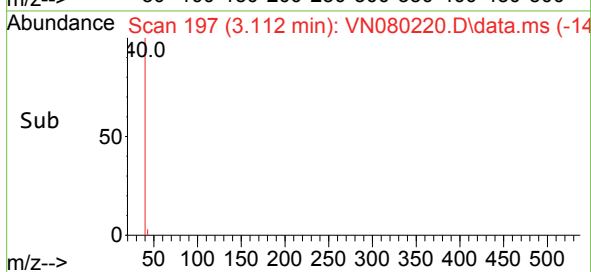
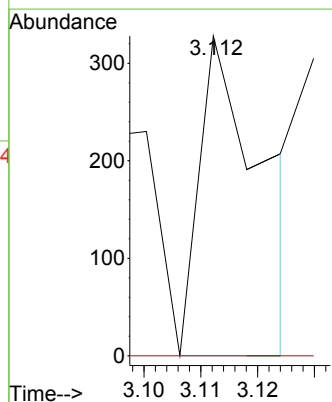
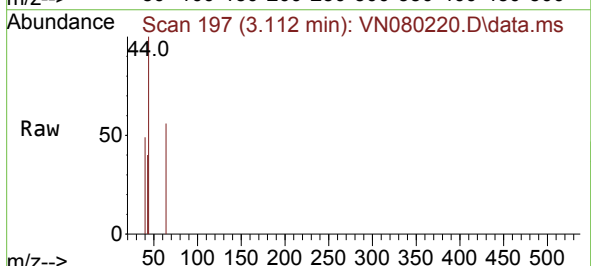
Instrument :
MSVOA_N
ClientSampleId :

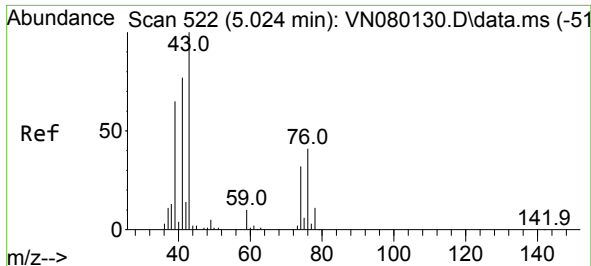
Tgt Ion:168 Resp: 137499
Ion Ratio Lower Upper
168 100
99 70.2 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

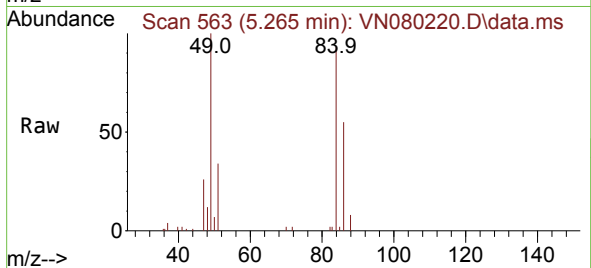
Tgt Ion: 64 Resp: 256
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



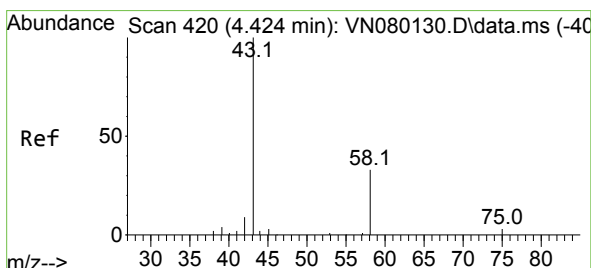
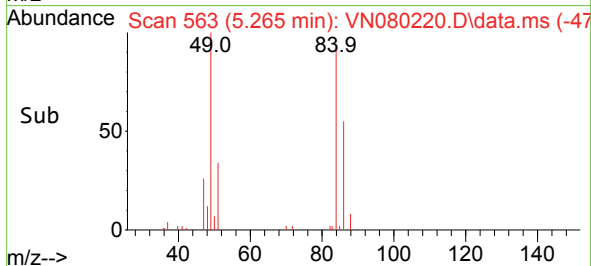
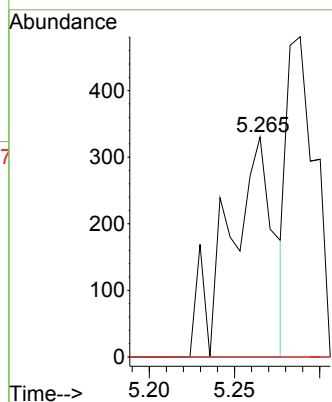


#14
 Allyl chloride
 Concen: 0.331 ug/l
 RT: 5.265 min Scan# 5
 Delta R.T. 0.241 min
 Lab File: VN080220.D
 Acq: 20 Nov 2023 20:09

Instrument :
 MSVOA_N
 ClientSampleId :

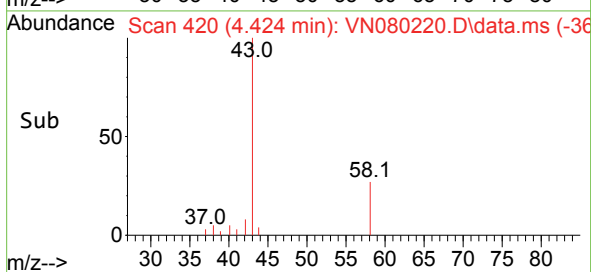
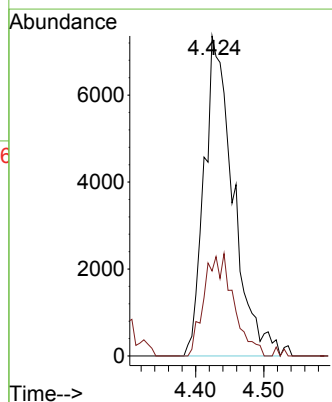
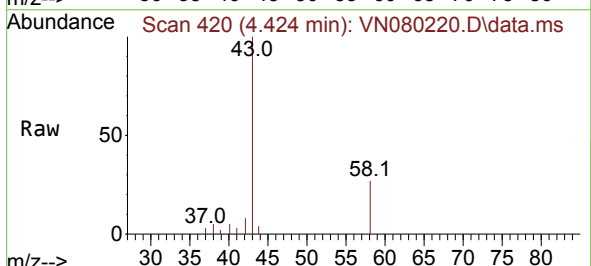


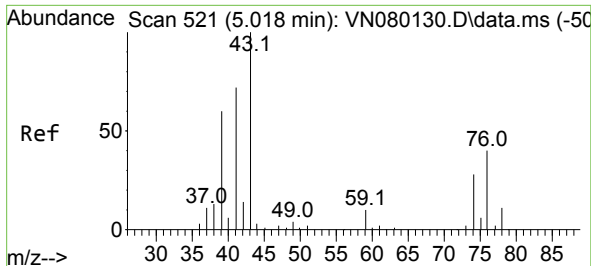
Tgt Ion: 41 Resp: 606
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.8 88.2#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 28.590 ug/l
 RT: 4.424 min Scan# 420
 Delta R.T. -0.000 min
 Lab File: VN080220.D
 Acq: 20 Nov 2023 20:09

Tgt Ion: 43 Resp: 21801
 Ion Ratio Lower Upper
 43 100
 58 26.5 28.0 42.0#





#18

Methyl Acetate

Concen: 1.300 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN080220.D

Acq: 20 Nov 2023 20:09

Instrument :

MSVOA_N

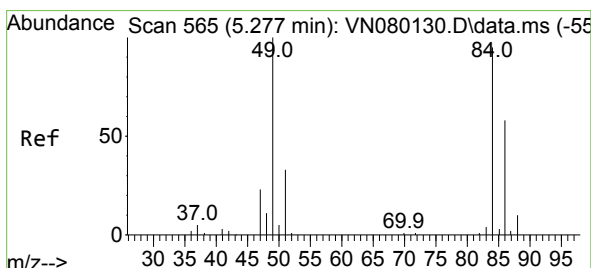
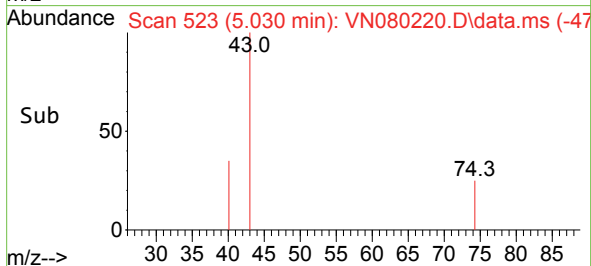
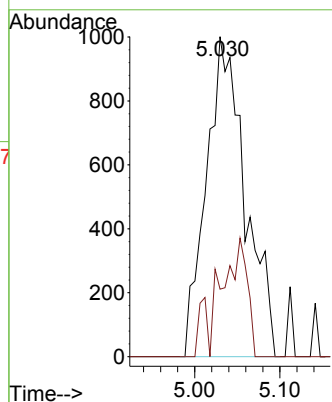
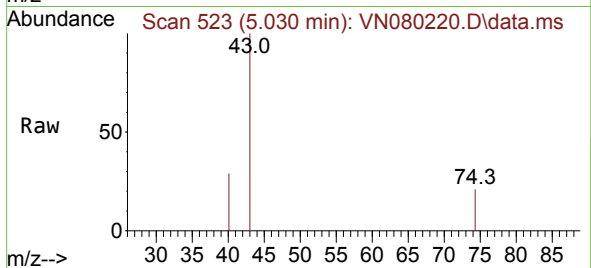
ClientSampleId :

Tgt Ion: 43 Resp: 3186

Ion Ratio Lower Upper

43 100

74 3.9 26.2 39.4#



#20

Methylene Chloride

Concen: 37.125 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN080220.D

Acq: 20 Nov 2023 20:09

Tgt Ion: 84 Resp: 59285

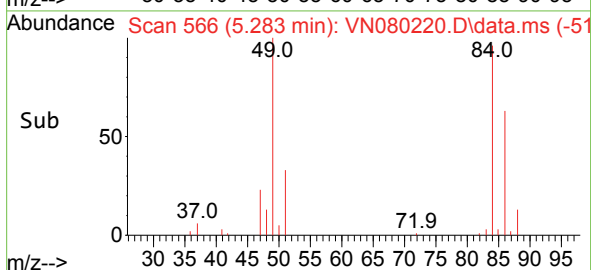
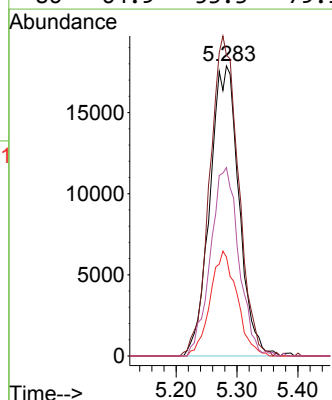
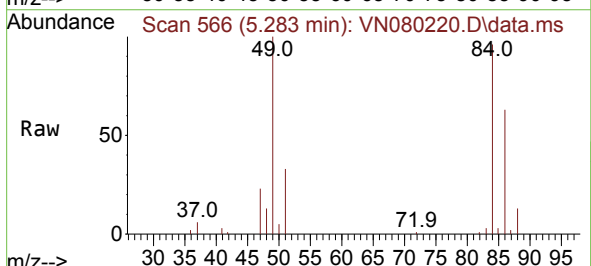
Ion Ratio Lower Upper

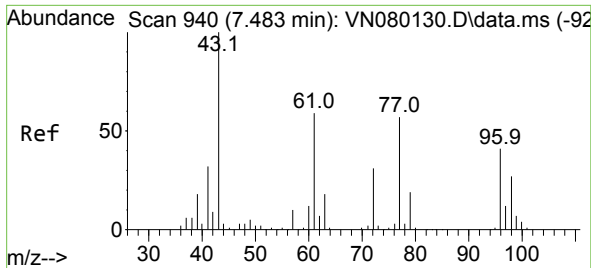
84 100

49 103.7 79.7 119.5

51 34.1 25.2 37.8

86 64.9 53.3 79.9

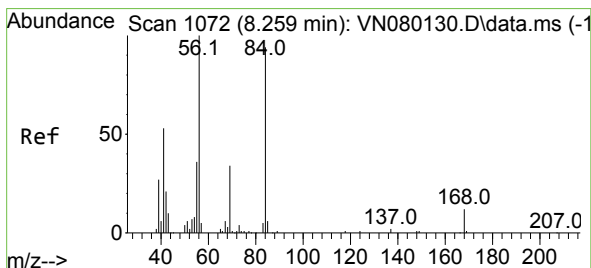
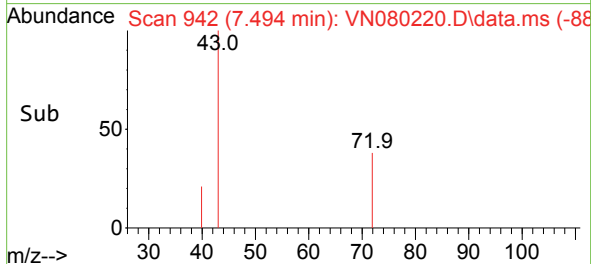
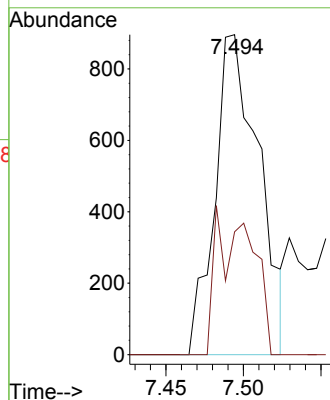
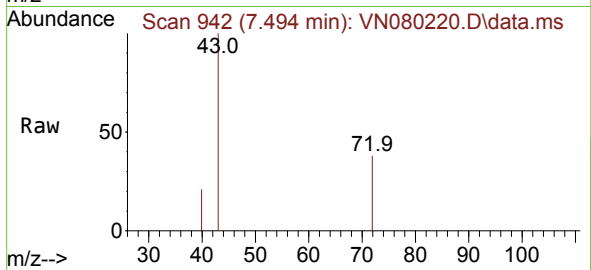




#25
2-Butanone
Concen: 1.955 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

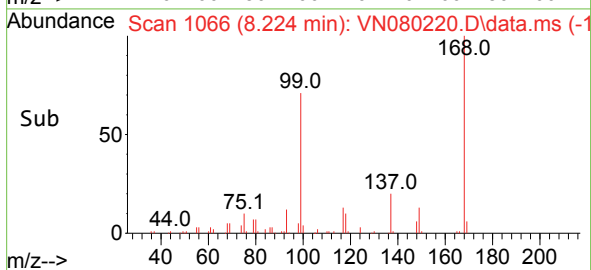
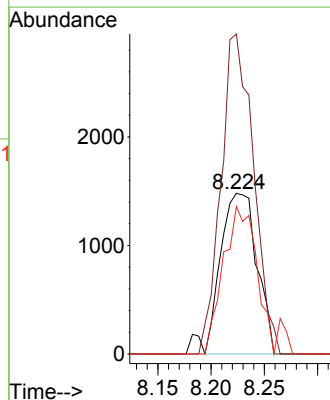
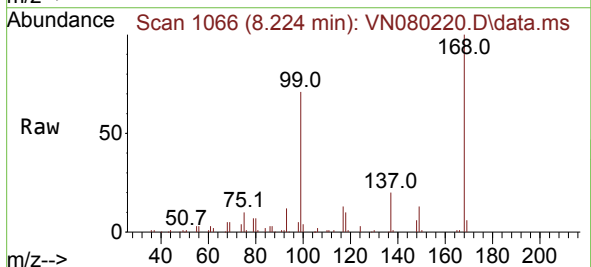
Instrument :
MSVOA_N
ClientSampleId :

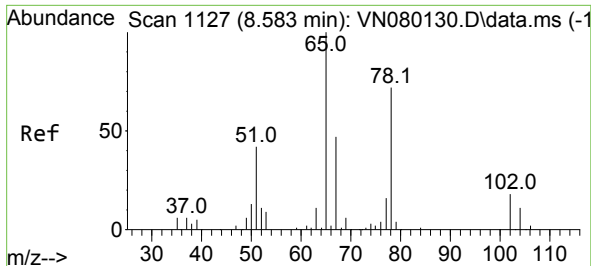
Tgt Ion: 43 Resp: 1771
Ion Ratio Lower Upper
43 100
72 38.4 30.2 45.2



#31
Cyclohexane
Concen: 1.457 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

Tgt Ion: 56 Resp: 3597
Ion Ratio Lower Upper
56 100
69 199.3 26.8 40.2#
84 91.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 58.788 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080220.D

Acq: 20 Nov 2023 20:09

Instrument :

MSVOA_N

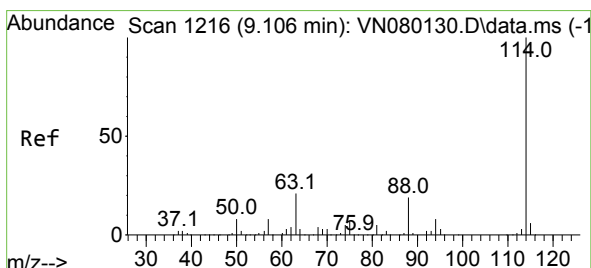
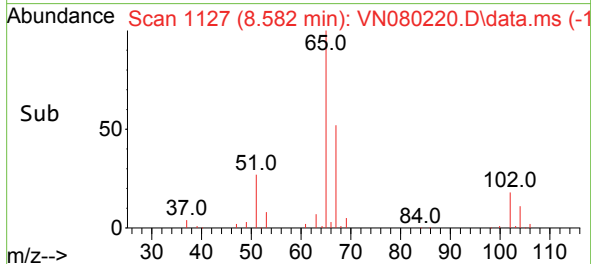
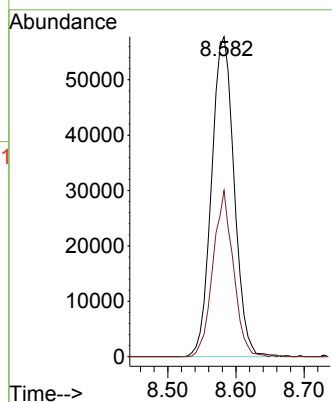
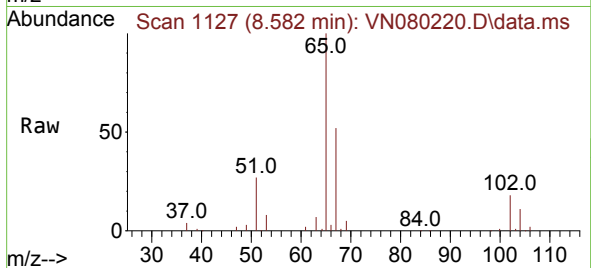
ClientSampleId :

Tgt Ion: 65 Resp: 133468

Ion Ratio Lower Upper

65 100

67 46.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080220.D

Acq: 20 Nov 2023 20:09

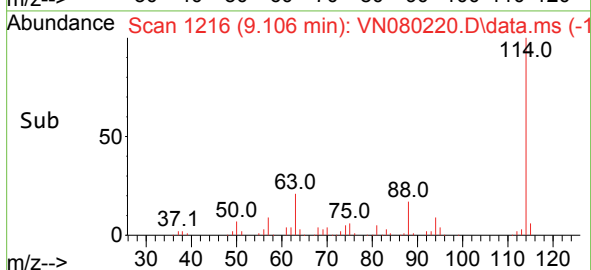
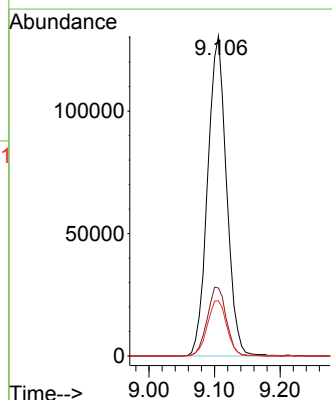
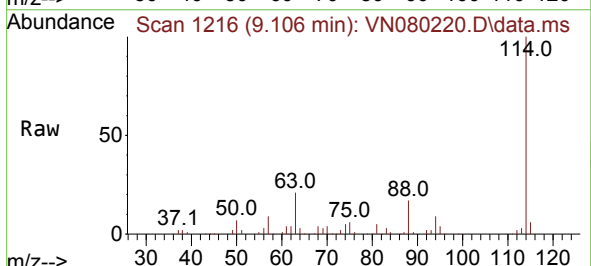
Tgt Ion: 114 Resp: 261081

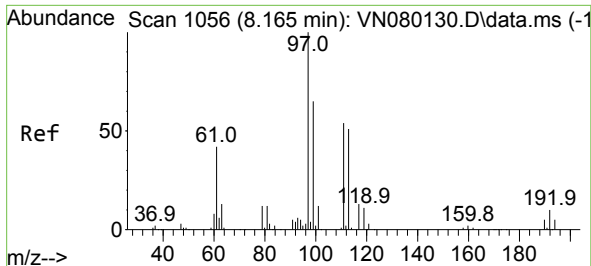
Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

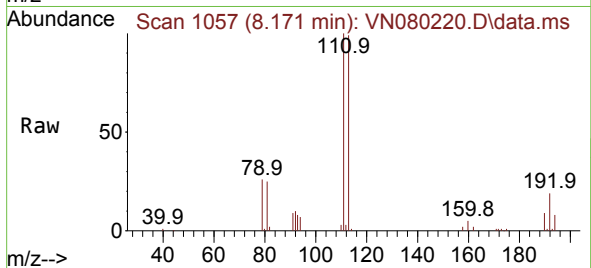
88 17.3 0.0 30.6



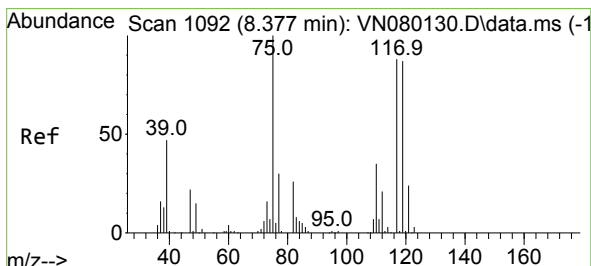
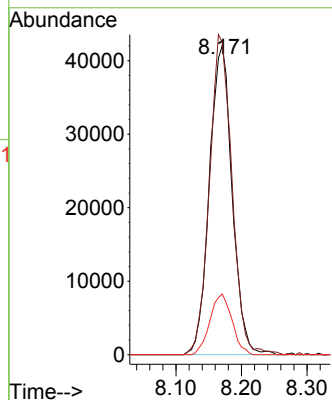
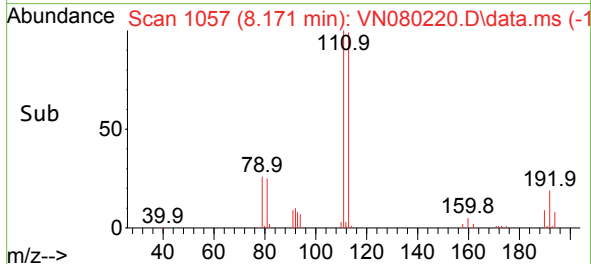


#35
Dibromofluoromethane
Concen: 52.564 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

Instrument :
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ClientSampleId :

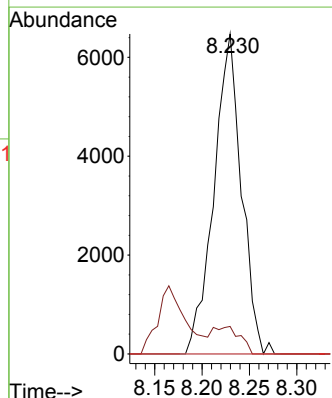
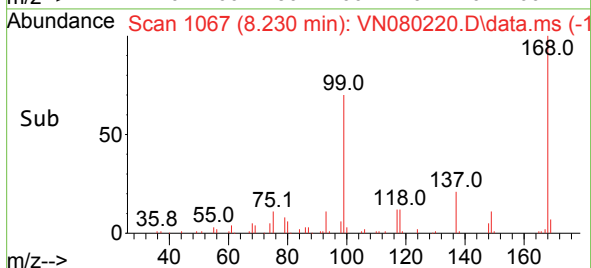
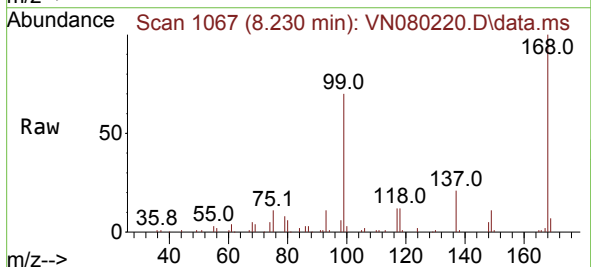


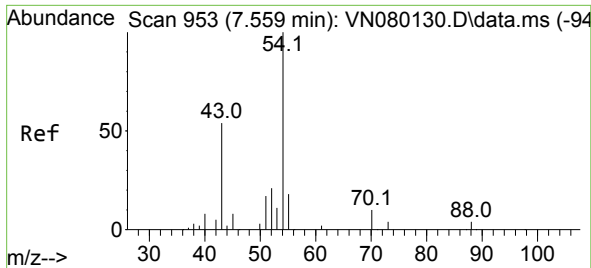
Tgt Ion:113 Resp: 101261
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 19.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.699 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

Tgt Ion: 75 Resp: 13107
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#

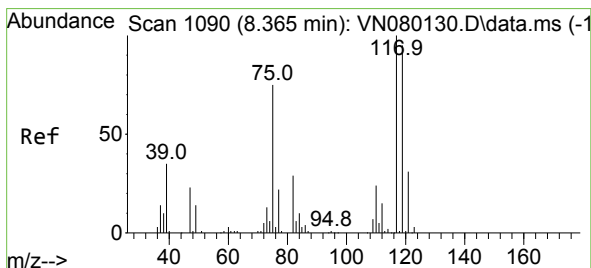
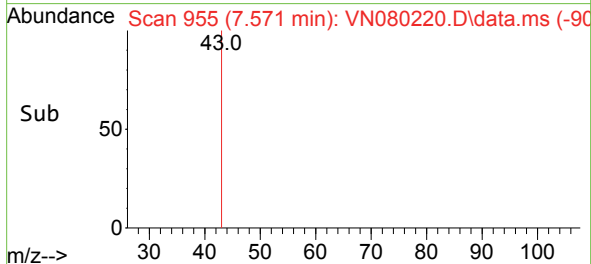
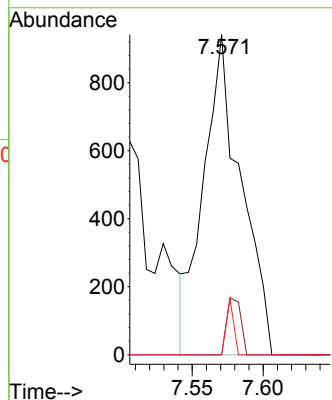
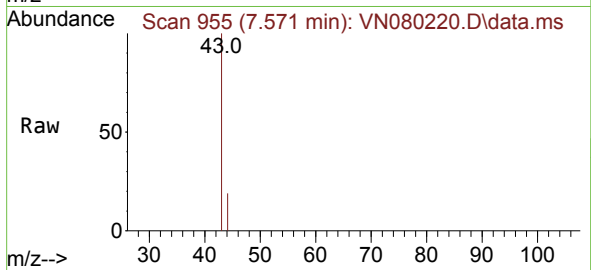




#37
Ethyl Acetate
Concen: 0.894 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

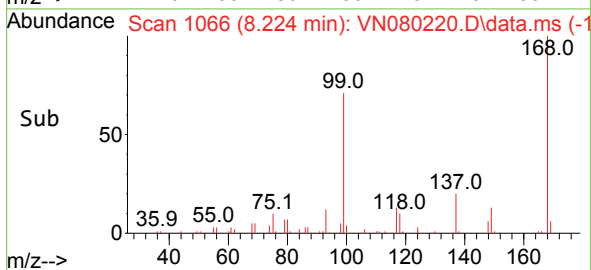
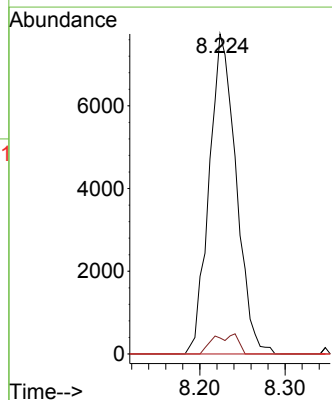
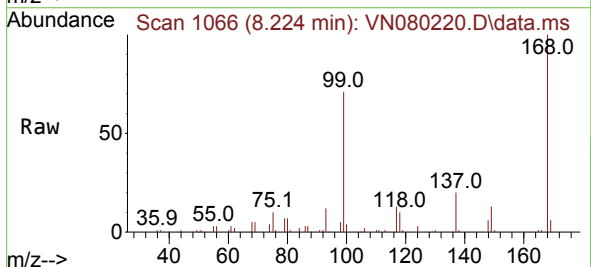
Instrument :
MSVOA_N
ClientSampleId :

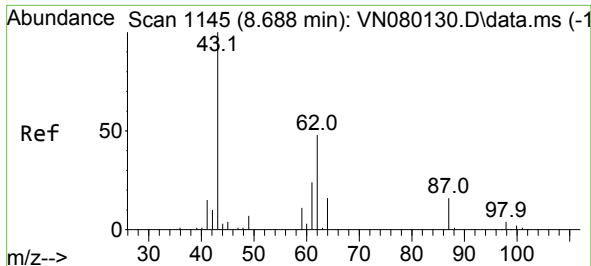
Tgt Ion: 43 Resp: 1729
Ion Ratio Lower Upper
43 100
61 6.6 13.2 19.8#
70 3.4 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.809 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

Tgt Ion: 117 Resp: 17020
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 23.3 34.9#

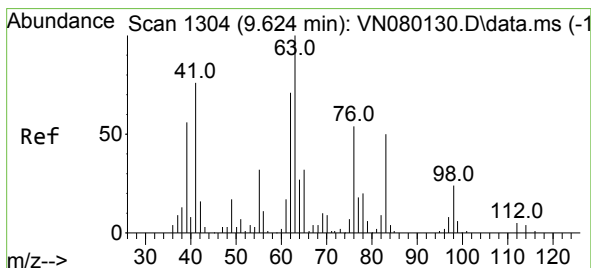
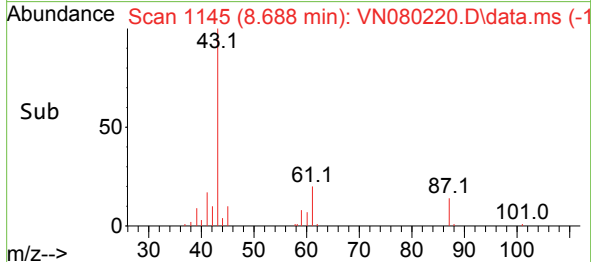
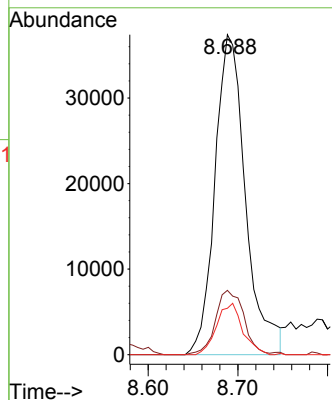
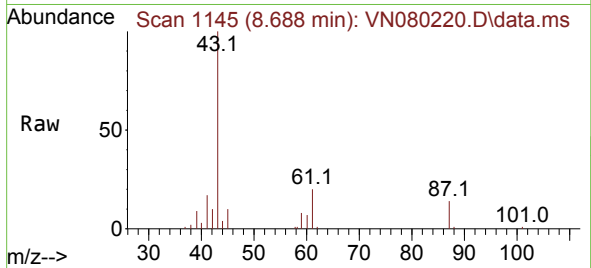




#43
Isopropyl Acetate
Concen: 23.540 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

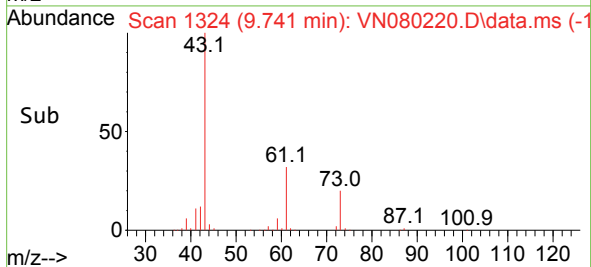
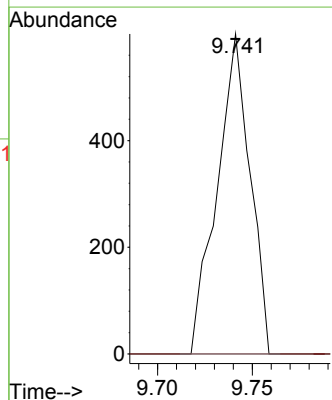
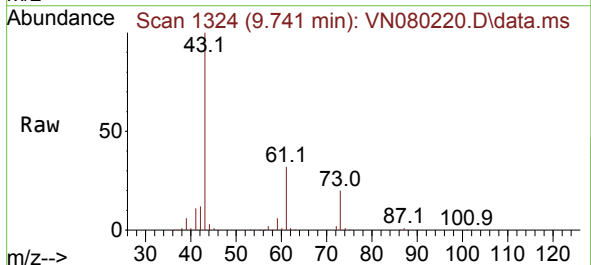
Instrument :
MSVOA_N
ClientSampleId :

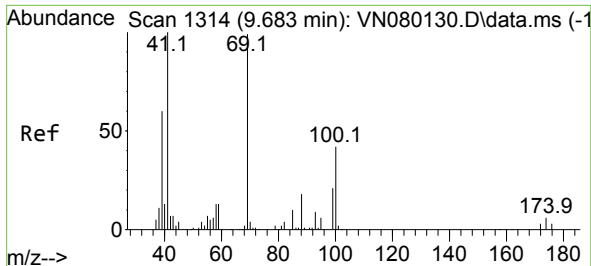
Tgt Ion: 43 Resp: 88623
Ion Ratio Lower Upper
43 100
61 18.8 24.7 37.1#
87 13.6 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.395 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.117 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

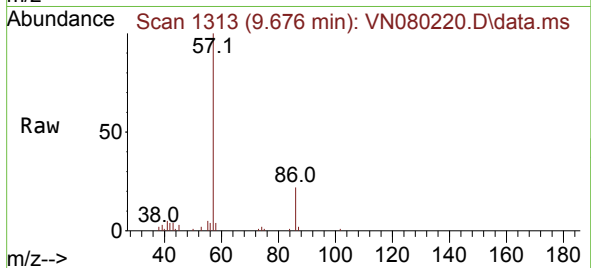
Tgt Ion: 63 Resp: 727
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



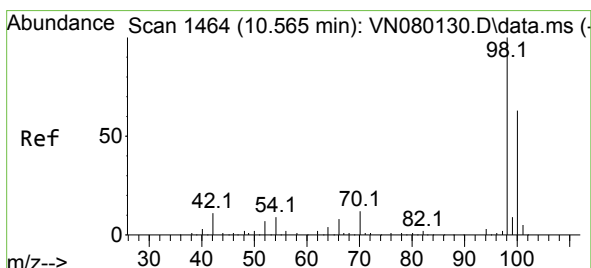
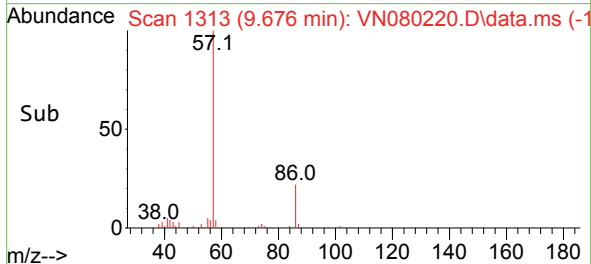
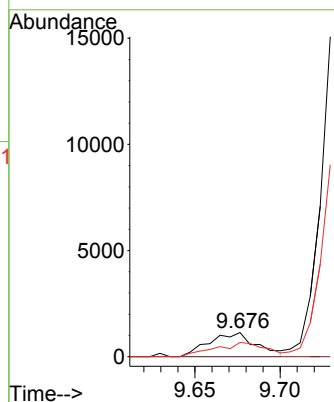


#48
Methyl methacrylate
Concen: 1.127 ug/l
RT: 9.676 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

Instrument :
MSVOA_N
ClientSampleId :

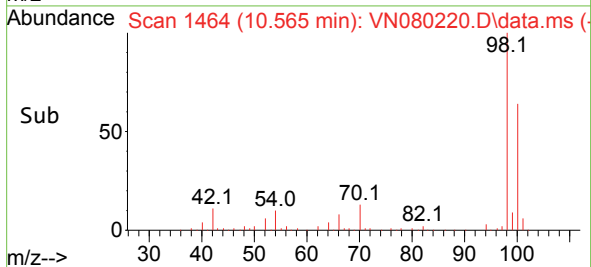
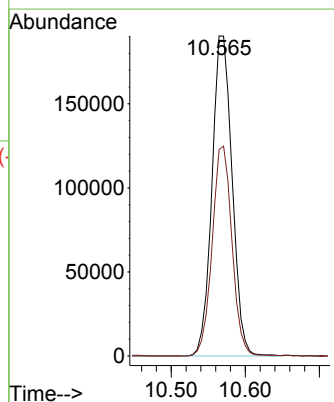
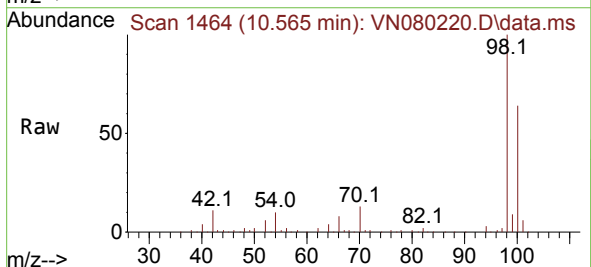


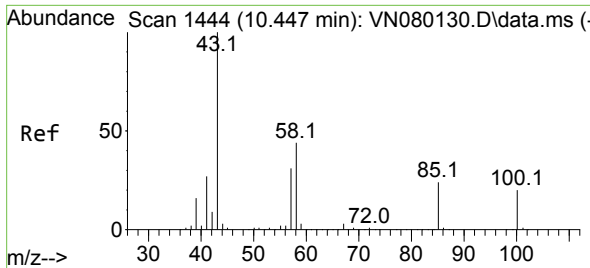
Tgt Ion: 41 Resp: 2186
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 63.0 54.6 81.8



#50
Toluene-d8
Concen: 51.819 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

Tgt Ion: 98 Resp: 359849
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0

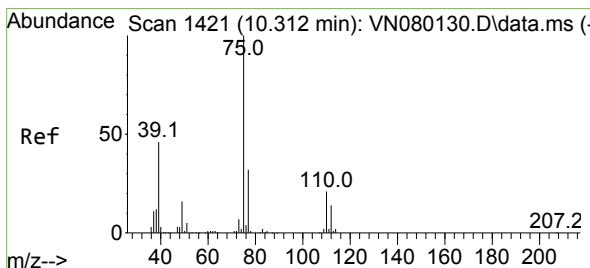
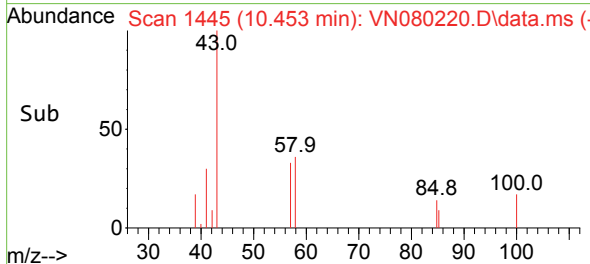
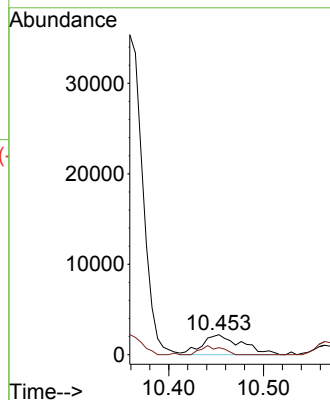
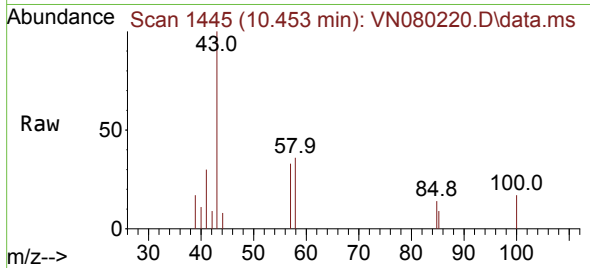




#51
4-Methyl-2-Pentanone
Concen: 3.288 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

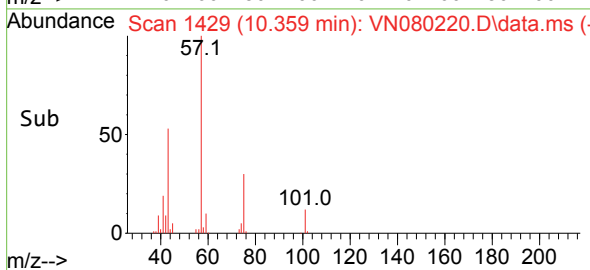
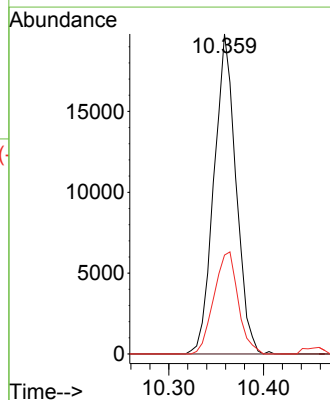
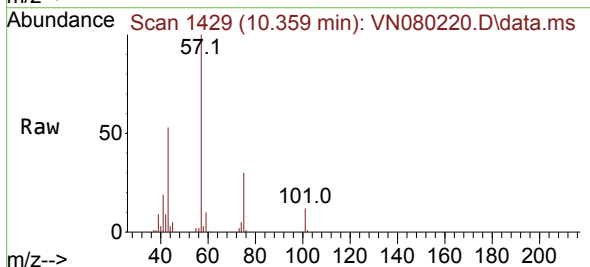
Instrument :
MSVOA_N
ClientSampleId :

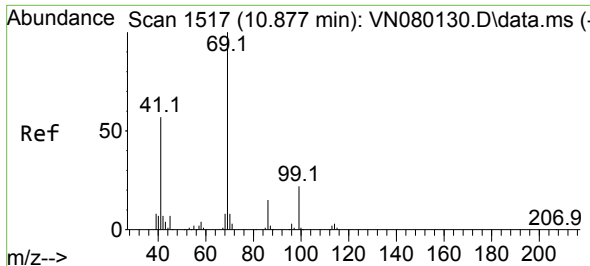
Tgt Ion: 43 Resp: 6408
Ion Ratio Lower Upper
43 100
58 24.2 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 9.945 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

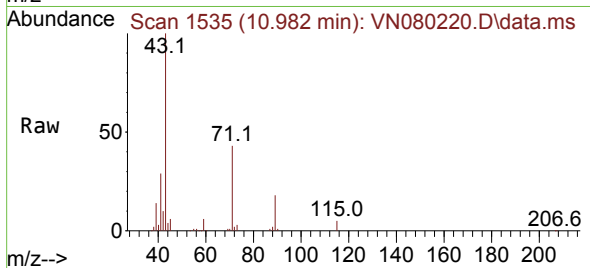
Tgt Ion: 75 Resp: 32021
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 30.9 31.6 47.4#



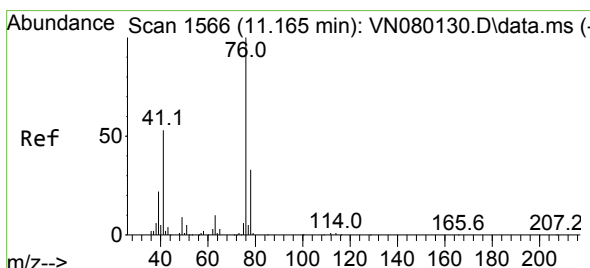
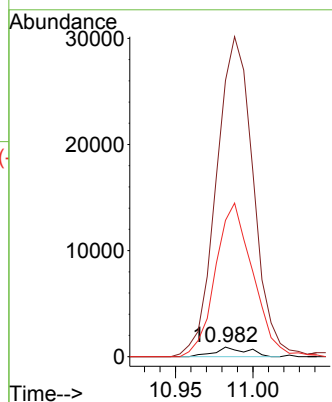
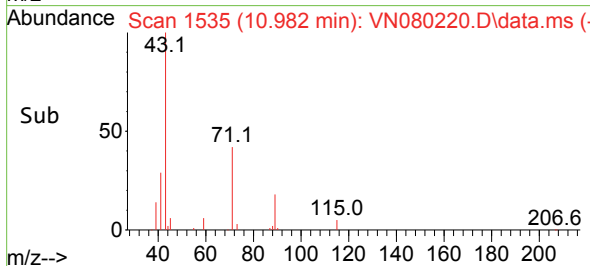


#56
Ethyl methacrylate
Concen: 0.679 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

Instrument :
MSVOA_N
ClientSampleId :

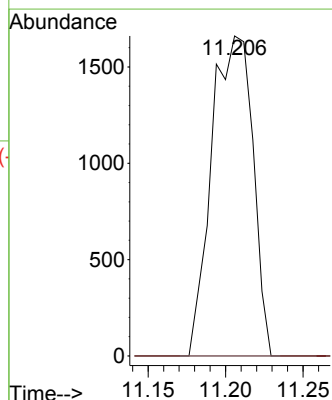
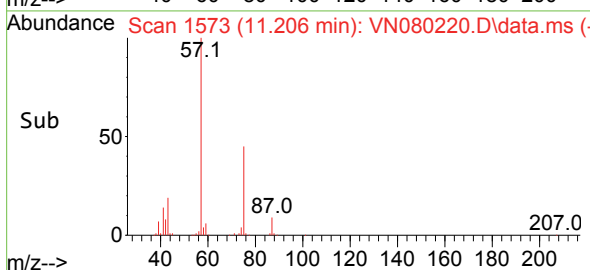
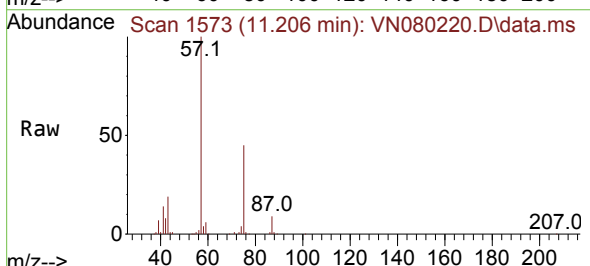


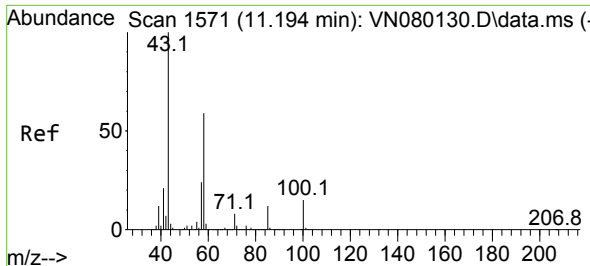
Tgt Ion: 69 Resp: 1314
Ion Ratio Lower Upper
69 100
41 3814.2 39.6 59.4#
39 1861.0 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 0.930 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

Tgt Ion: 76 Resp: 3073
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

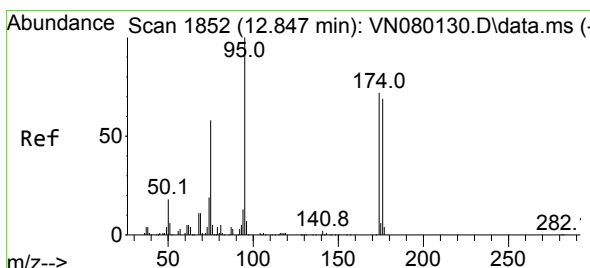
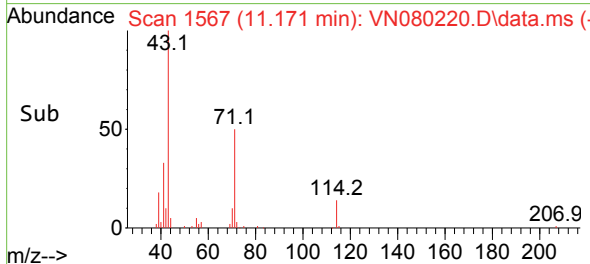
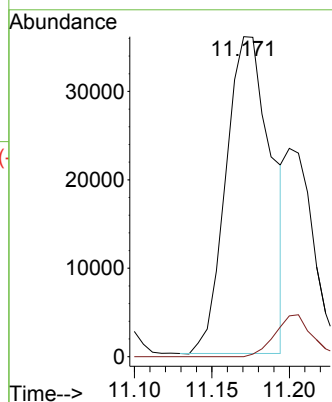
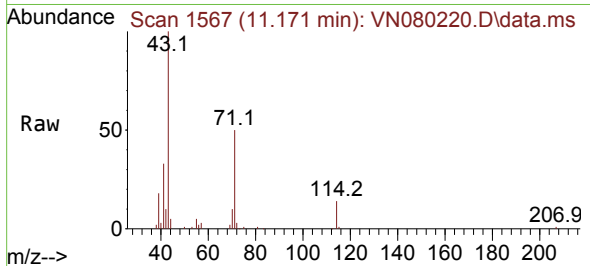




#59
2-Hexanone
Concen: 46.493 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

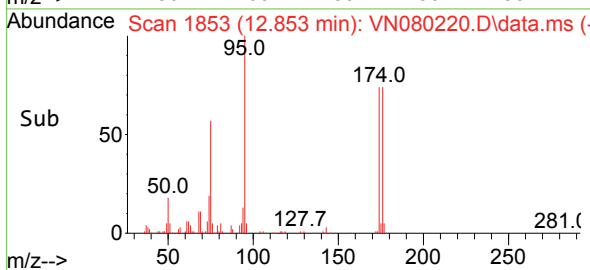
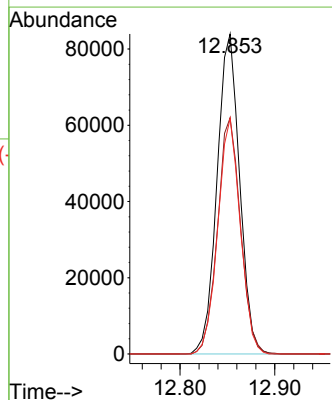
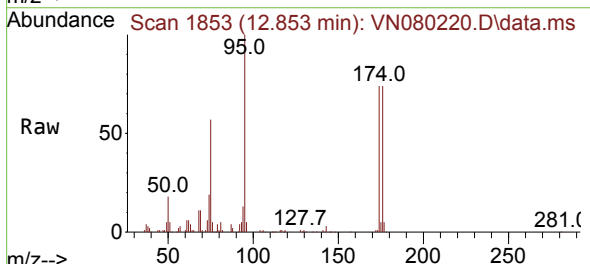
Instrument :
MSVOA_N
ClientSampleId :

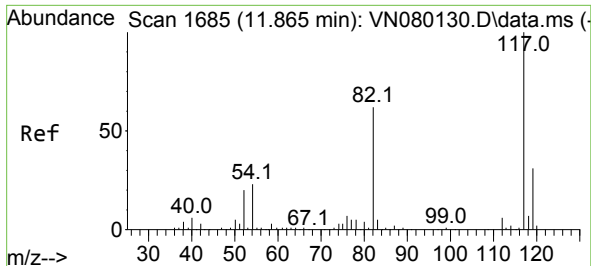
Tgt Ion: 43 Resp: 72817
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 52.963 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

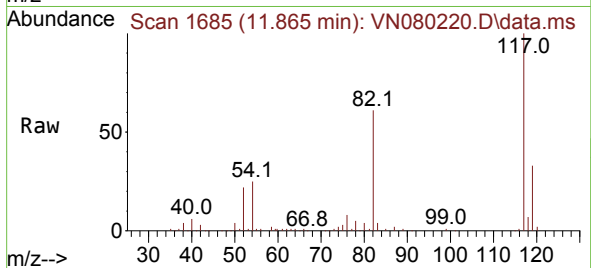
Tgt Ion: 95 Resp: 138924
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.8
176 73.1 0.0 135.8



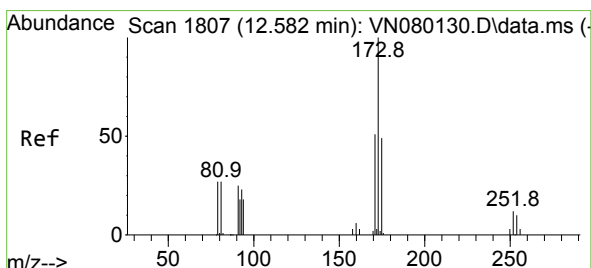
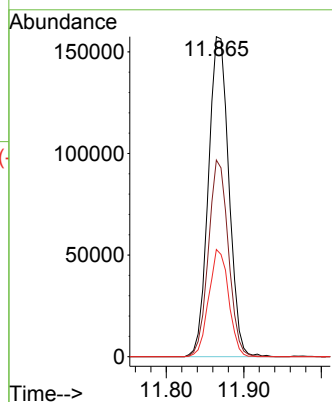
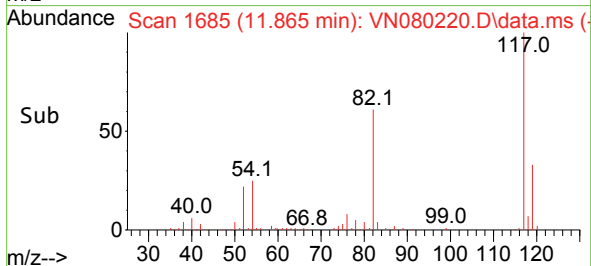


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

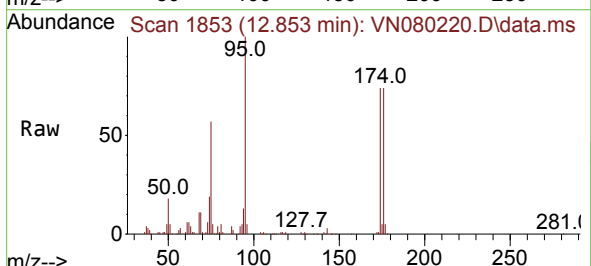
Instrument :
MSVOA_N
ClientSampleId :



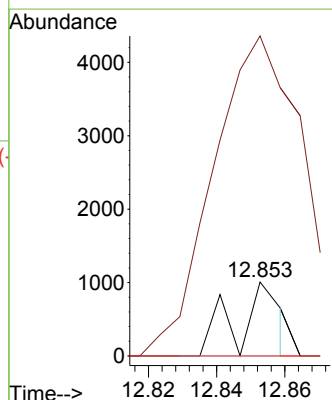
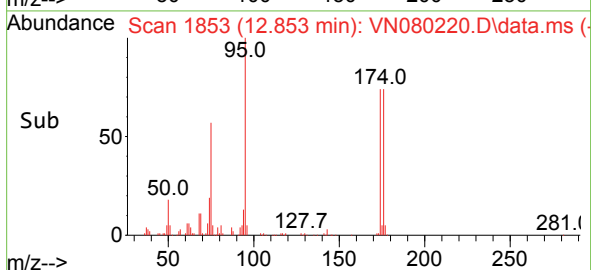
Tgt Ion:117 Resp: 288694
Ion Ratio Lower Upper
117 100
82 61.4 44.0 66.0
119 33.5 25.6 38.4

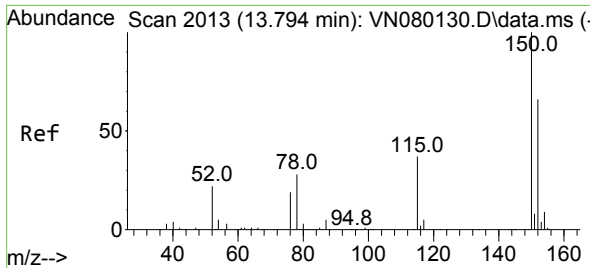


#71
Bromoform
Concen: 0.468 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09



Tgt Ion:173 Resp: 881
Ion Ratio Lower Upper
173 100
175 700.7 24.3 73.0#
254 0.0 0.0 0.0

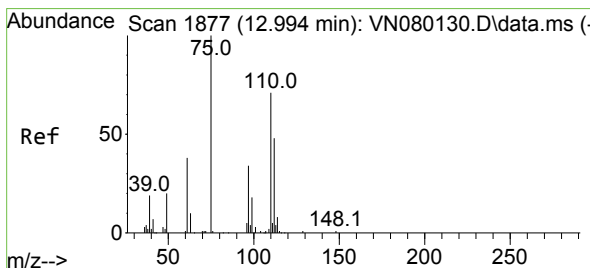
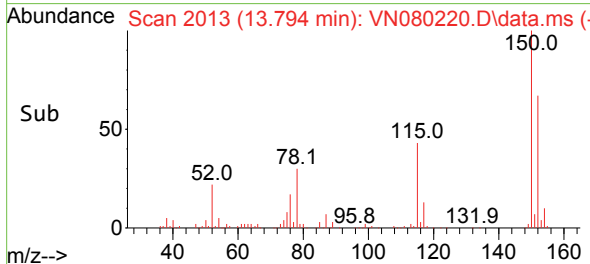
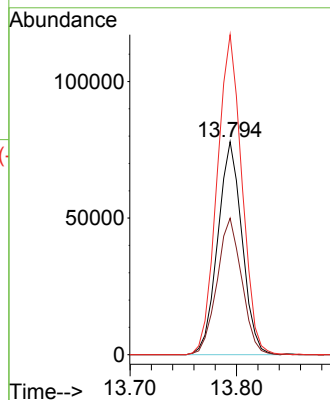
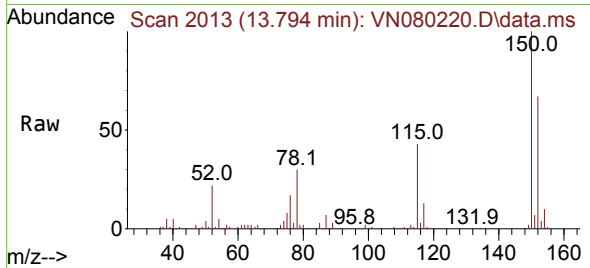




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080220.D
 Acq: 20 Nov 2023 20:09

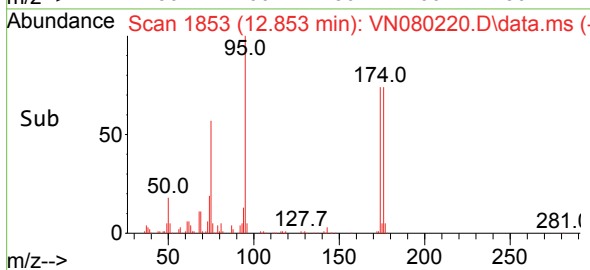
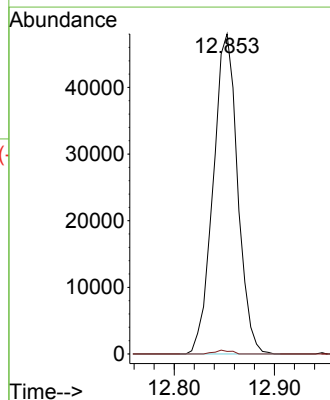
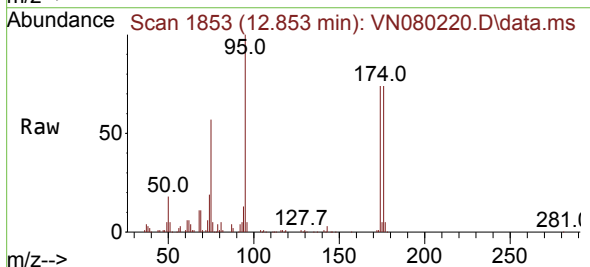
Instrument :
 MSVOA_N
 ClientSampleId :

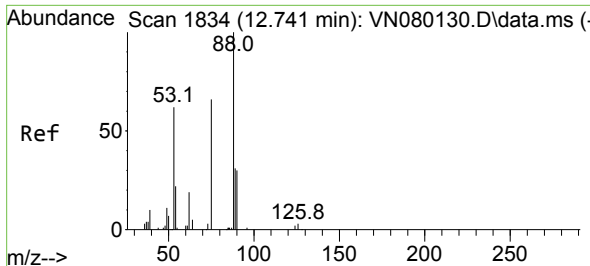
Tgt Ion:152 Resp: 123254
 Ion Ratio Lower Upper
 152 100
 115 65.5 32.3 96.8
 150 153.6 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 26.908 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080220.D
 Acq: 20 Nov 2023 20:09

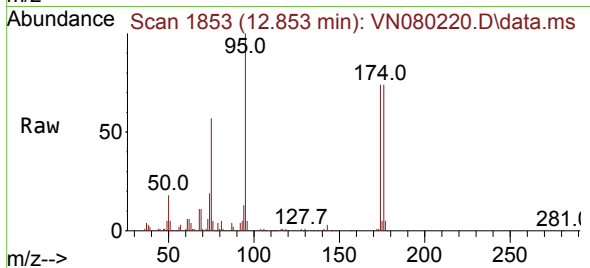
Tgt Ion: 75 Resp: 81260
 Ion Ratio Lower Upper
 75 100
 77 0.8 84.5 253.5#



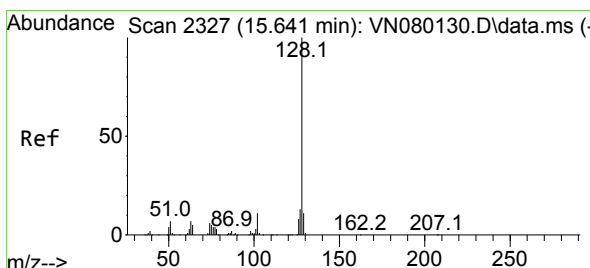
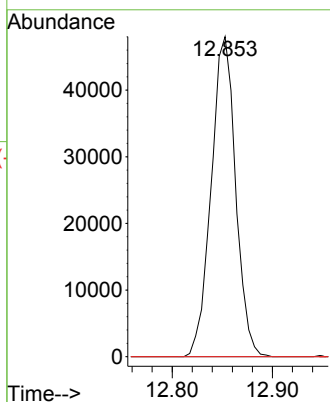
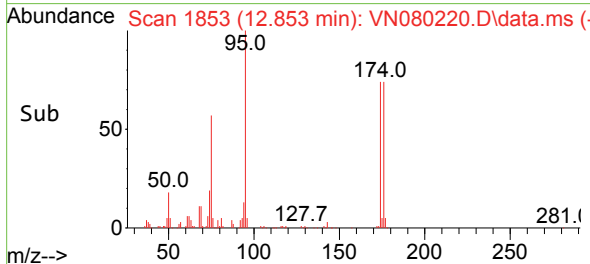


#81
trans-1,4-Dichloro-2-butene
Concen: 90.911 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 81260
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.229 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080220.D
Acq: 20 Nov 2023 20:09

Tgt Ion: 128 Resp: 1609
Ion Ratio Lower Upper
128 100
127 4.4 10.0 15.0#
129 0.0 8.7 13.1#

