

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080215.D
 Acq On : 20 Nov 2023 18:10
 Operator : JC\MD
 Sample : 05468-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:09:14 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

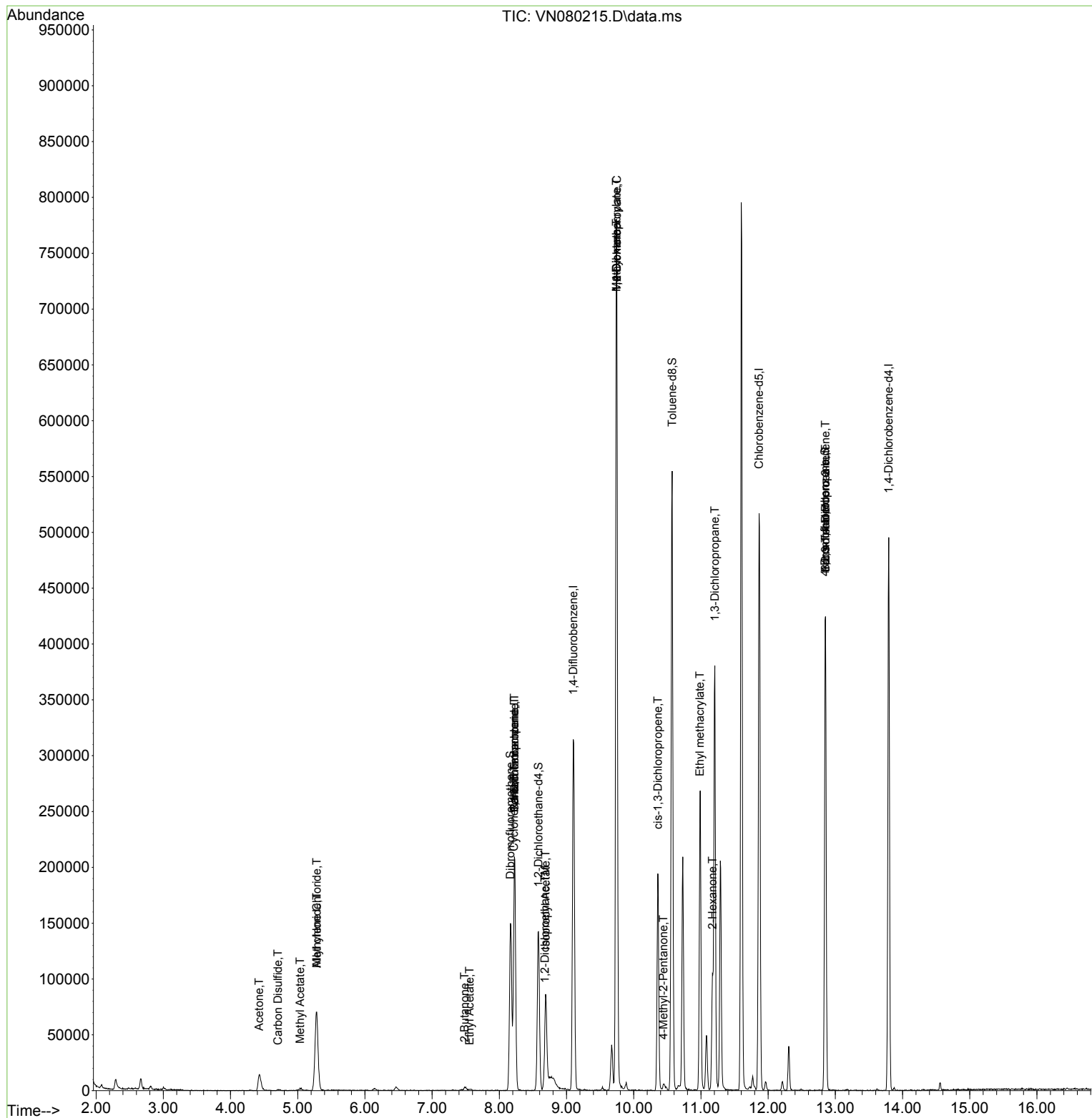
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	144450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	126309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	136402	57.189	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.380%	
35) Dibromofluoromethane	8.165	113	103377	52.626	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.260%	
50) Toluene-d8	10.571	98	370248	52.286	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.580%	
62) 4-Bromofluorobenzene	12.847	95	143193	53.537	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.080%	
Target Compounds						Qvalue
6) Chloroethane	3.136	64	749	Below Cal	#	43
14) Allyl chloride	5.283	41	1224	0.637	ug/l #	19
16) Acetone	4.424	43	28115	35.096	ug/l	96
17) Carbon Disulfide	4.706	76	1439	0.316	ug/l #	75
18) Methyl Acetate	5.036	43	1927	0.749	ug/l #	81
20) Methylene Chloride	5.283	84	59128	35.245	ug/l	90
25) 2-Butanone	7.483	43	5406	5.680	ug/l #	71
31) Cyclohexane	8.218	56	3620	1.396	ug/l #	43
36) 1,1-Dichloropropene	8.224	75	11908	4.187	ug/l #	49
37) Ethyl Acetate	7.559	43	622	0.315	ug/l #	77
38) Carbon Tetrachloride	8.224	117	17257	4.782	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	796	0.241	ug/l #	73
43) Isopropyl Acetate	8.688	43	92732	24.156	ug/l #	85
45) 1,2-Dichloropropane	9.747	63	1021	0.544	ug/l #	45
48) Methyl methacrylate	9.741	41	77210	39.028	ug/l #	30
49) 1,4-Dioxane	9.741	88	292	8.872	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	6422	3.231	ug/l #	73
54) cis-1,3-Dichloropropene	10.359	75	33785	10.290	ug/l #	71
56) Ethyl methacrylate	10.982	69	1582	0.802	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4337	1.287	ug/l #	42
59) 2-Hexanone	11.171	43	68590	42.948	ug/l #	19
71) Bromoform	12.853	173	990	0.515	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	84106	27.177	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	84106	91.819	ug/l #	15

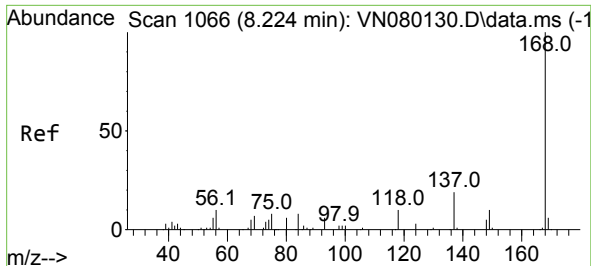
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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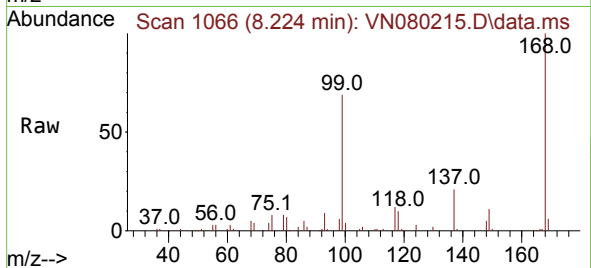
Quant Time: Nov 21 01:09:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
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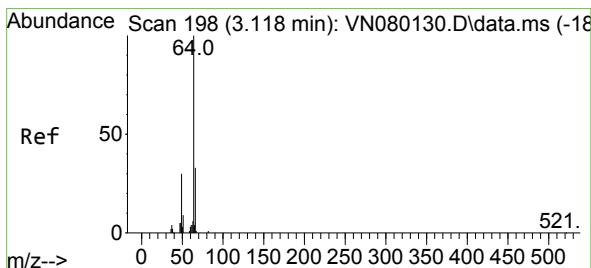
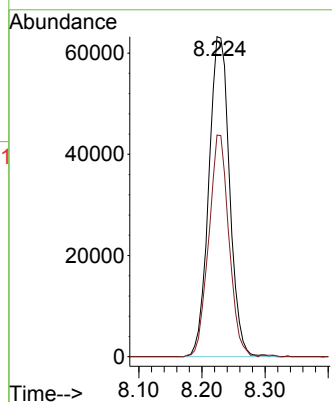
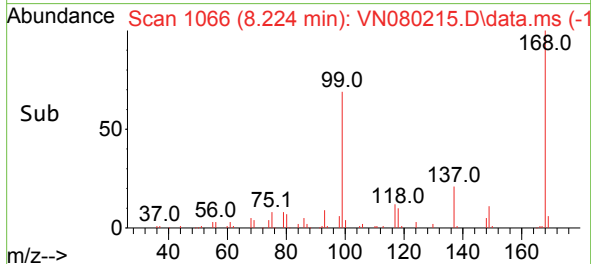


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :

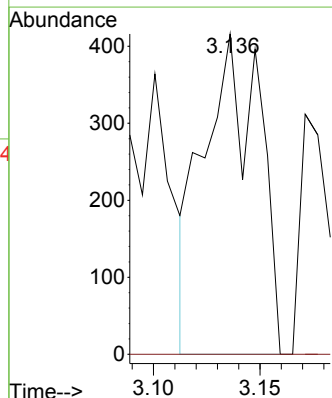
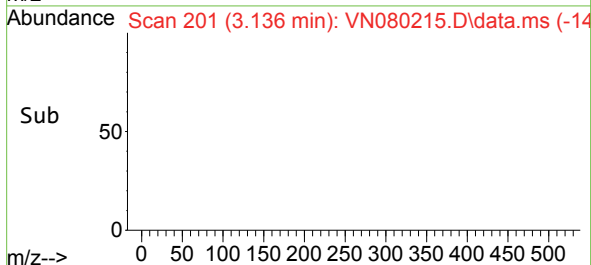
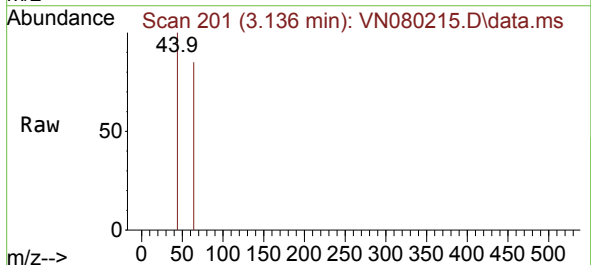


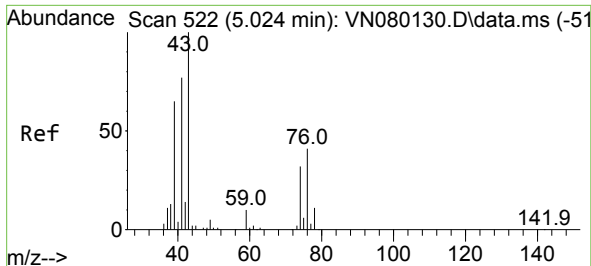
Tgt Ion:168 Resp: 144450
Ion Ratio Lower Upper
168 100
99 69.2 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

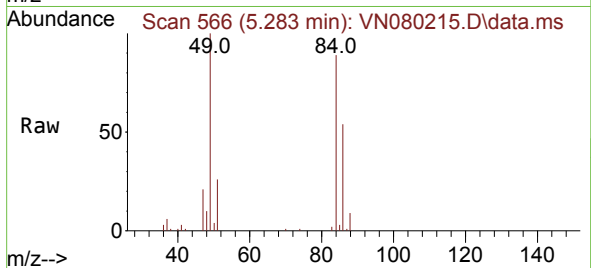
Tgt Ion: 64 Resp: 749
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



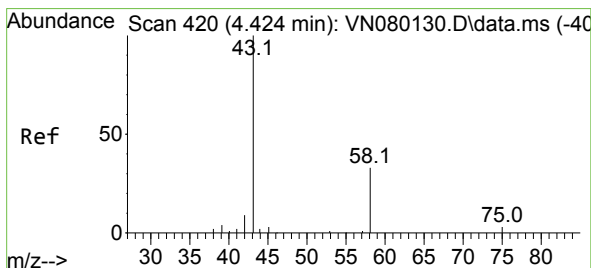
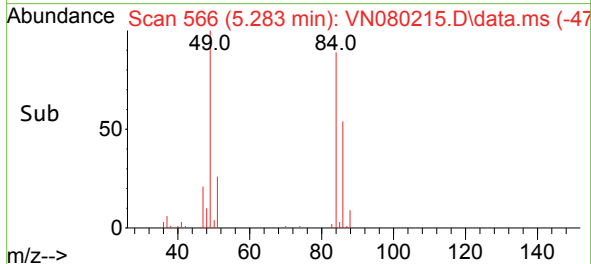
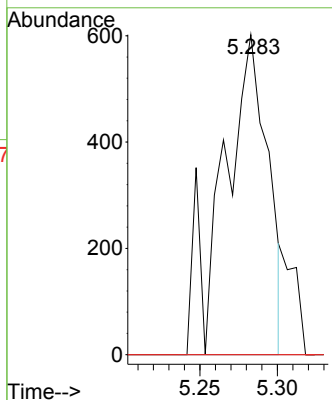


#14
 Allyl chloride
 Concen: 0.637 ug/l
 RT: 5.283 min Scan# 51
 Delta R.T. 0.259 min
 Lab File: VN080215.D
 Acq: 20 Nov 2023 18:10

Instrument :
 MSVOA_N
 ClientSampleId :

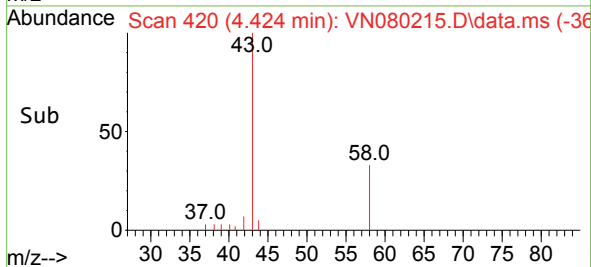
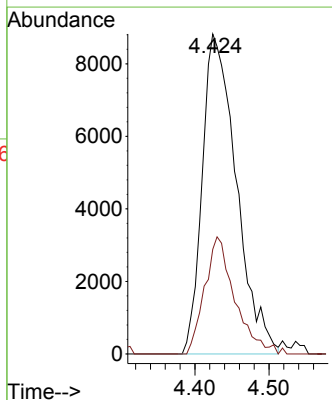
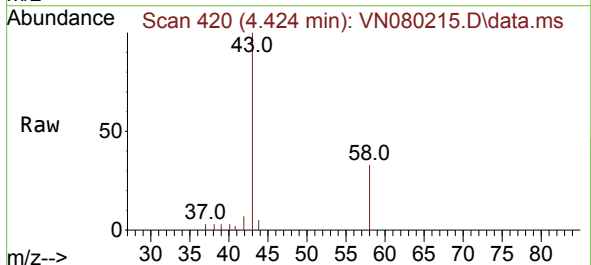


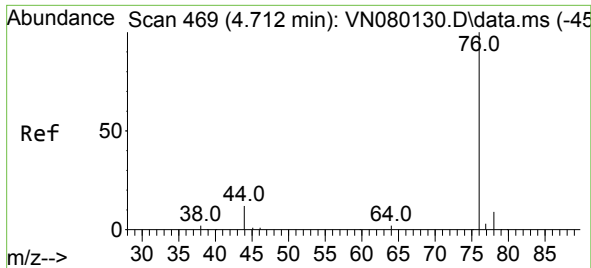
Tgt Ion: 41 Resp: 1224
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.8 88.2#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 35.096 ug/l
 RT: 4.424 min Scan# 420
 Delta R.T. 0.000 min
 Lab File: VN080215.D
 Acq: 20 Nov 2023 18:10

Tgt Ion: 43 Resp: 28115
 Ion Ratio Lower Upper
 43 100
 58 32.7 28.0 42.0

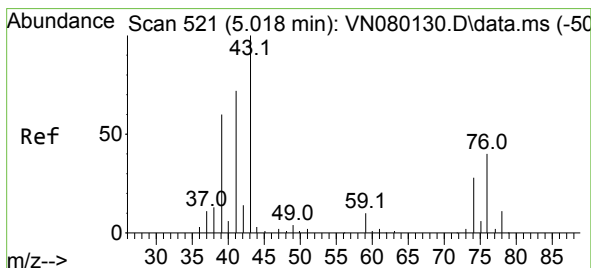
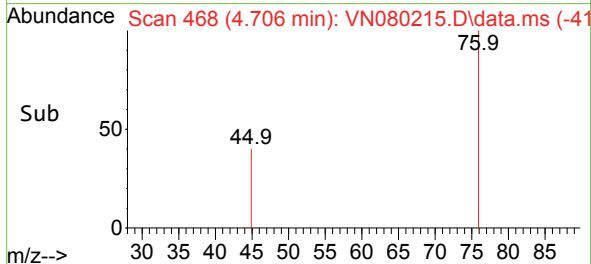
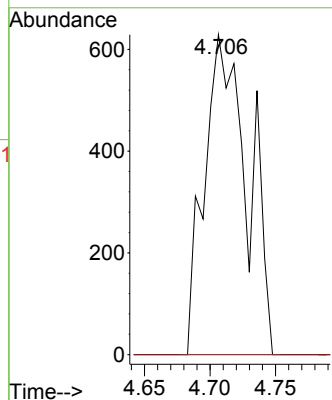
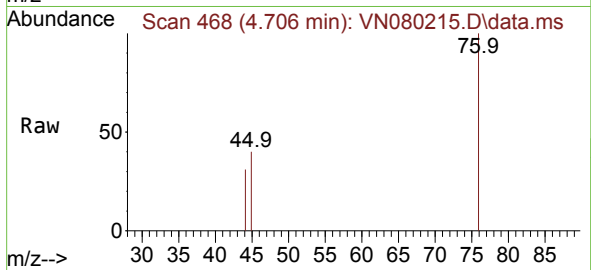




#17
Carbon Disulfide
Concen: 0.316 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

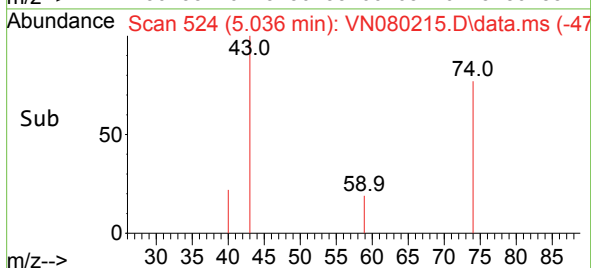
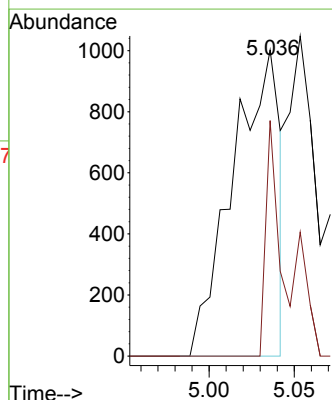
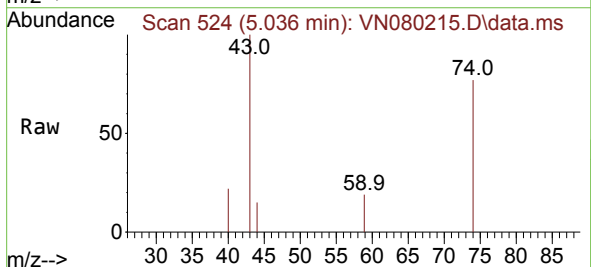
Instrument :
MSVOA_N
ClientSampleId :

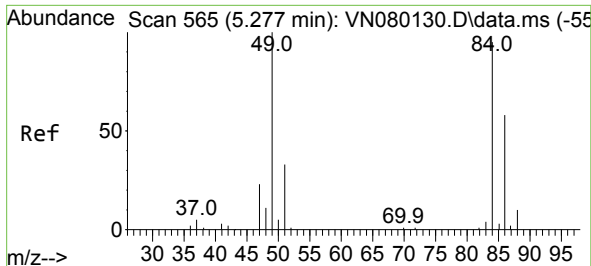
Tgt Ion: 76 Resp: 1439
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.749 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

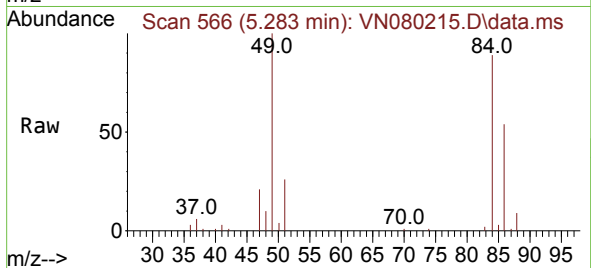
Tgt Ion: 43 Resp: 1927
Ion Ratio Lower Upper
43 100
74 22.2 26.2 39.4#



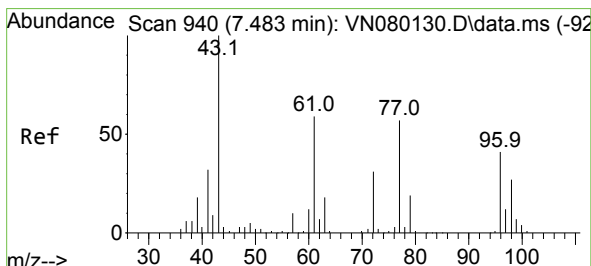
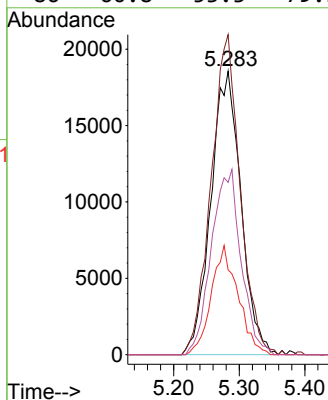
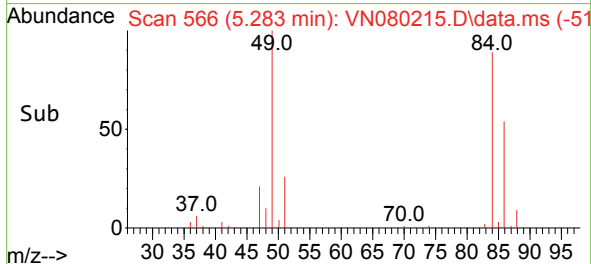


#20
Methylene Chloride
Concen: 35.245 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :

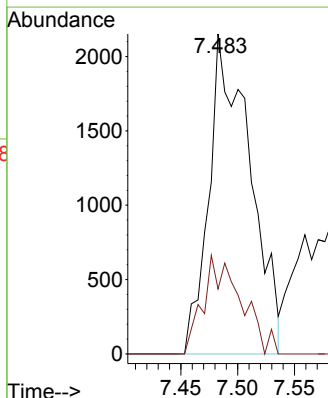
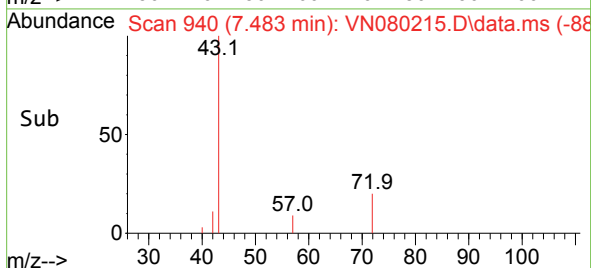
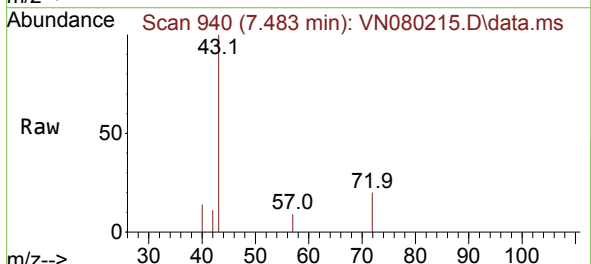


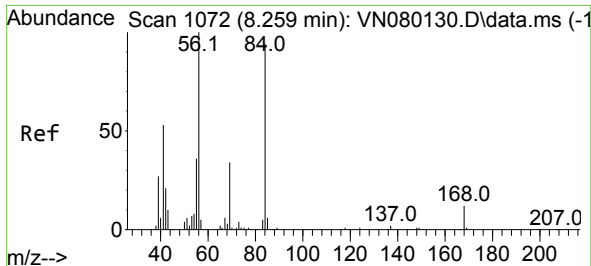
Tgt Ion:	84	Resp:	59128
Ion	Ratio	Lower	Upper
84	100		
49	112.9	79.7	119.5
51	29.9	25.2	37.8
86	60.8	53.3	79.9



#25
2-Butanone
Concen: 5.680 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

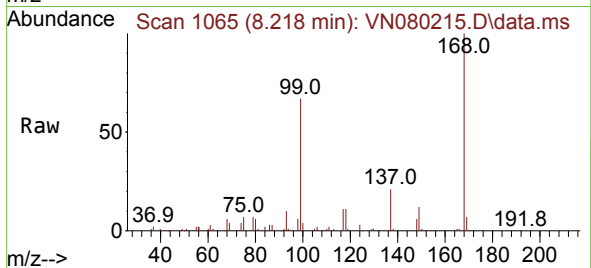
Tgt Ion:	43	Resp:	5406
Ion	Ratio	Lower	Upper
43	100		
72	20.3	30.2	45.2#



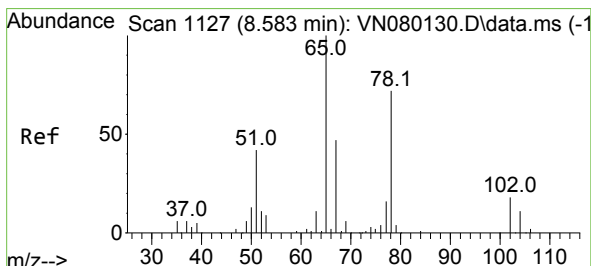
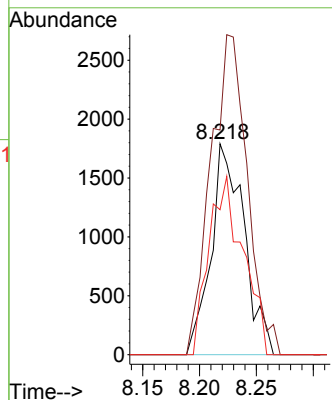
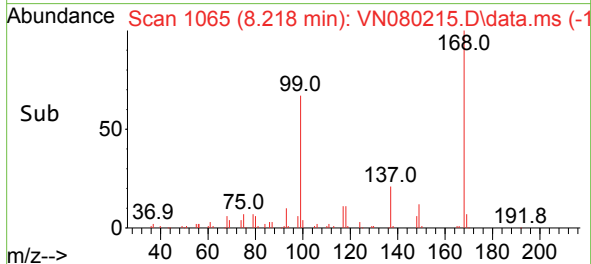


#31
Cyclohexane
Concen: 1.396 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :

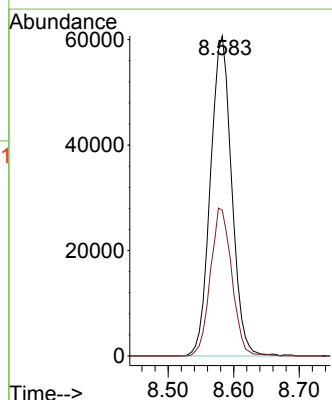
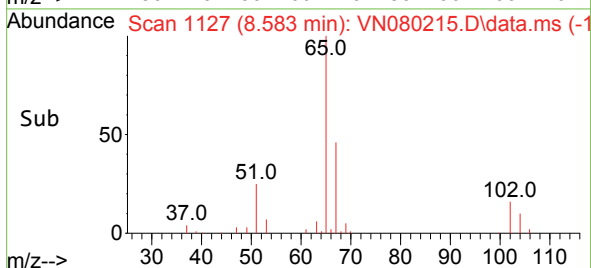
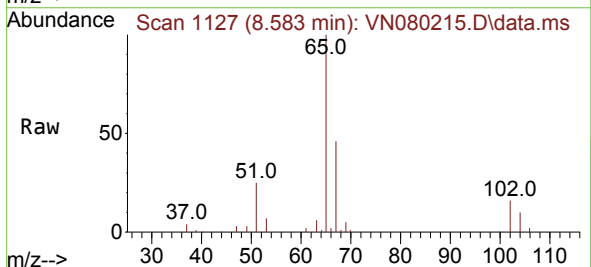


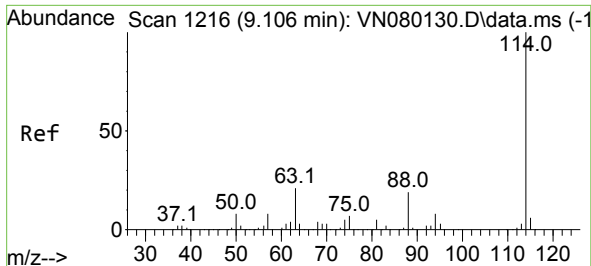
Tgt Ion: 56 Resp: 3620
Ion Ratio Lower Upper
56 100
69 106.5 26.8 40.2#
84 68.8 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 57.189 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

Tgt Ion: 65 Resp: 136402
Ion Ratio Lower Upper
65 100
67 46.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN080215.D

Acq: 20 Nov 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :

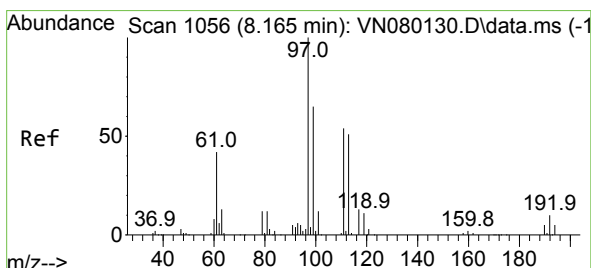
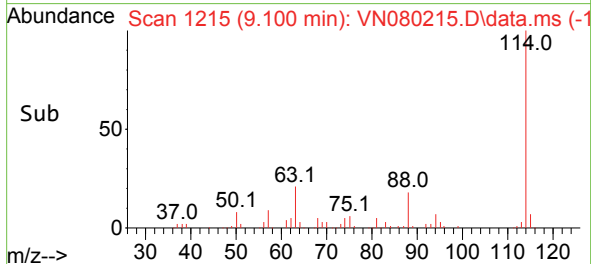
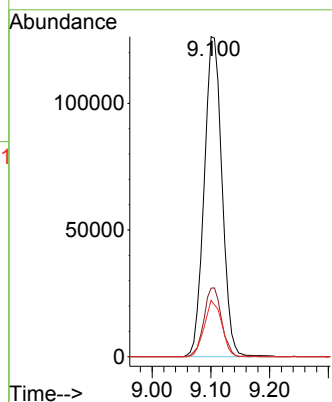
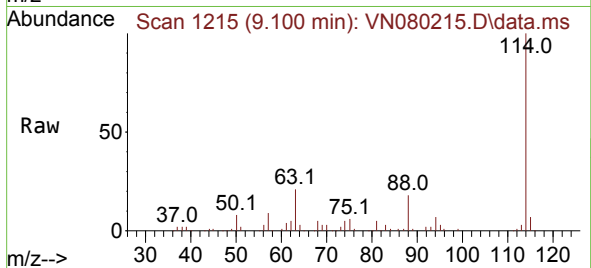
Tgt Ion:114 Resp: 266223

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 17.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.626 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080215.D

Acq: 20 Nov 2023 18:10

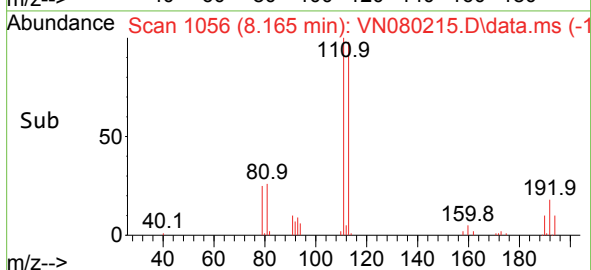
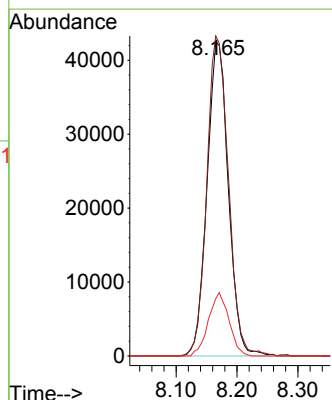
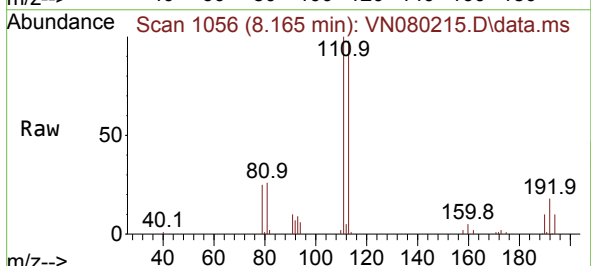
Tgt Ion:113 Resp: 103377

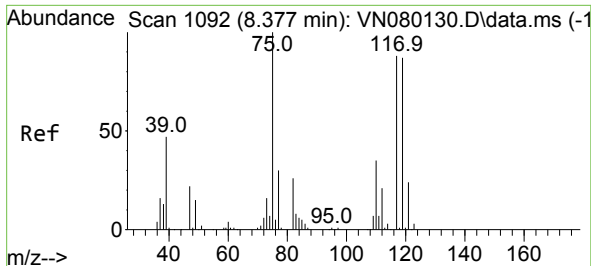
Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

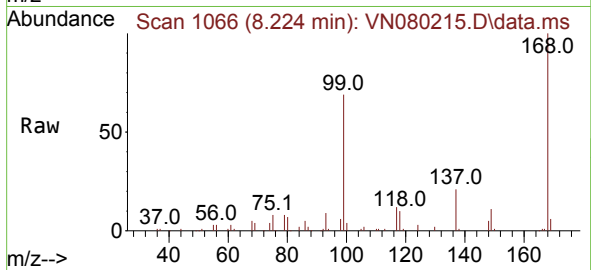
192 19.4 12.7 19.1#



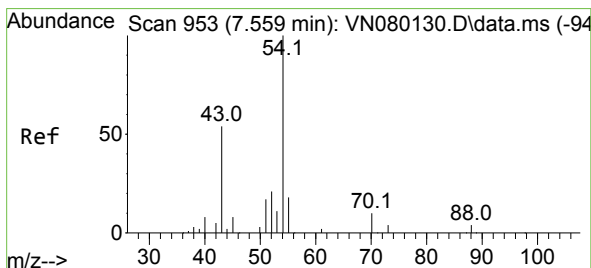
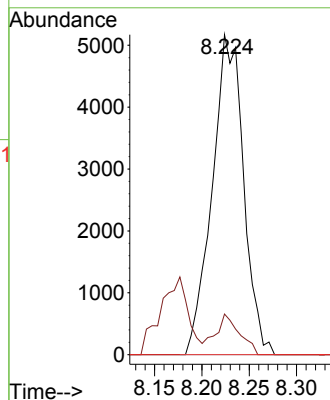
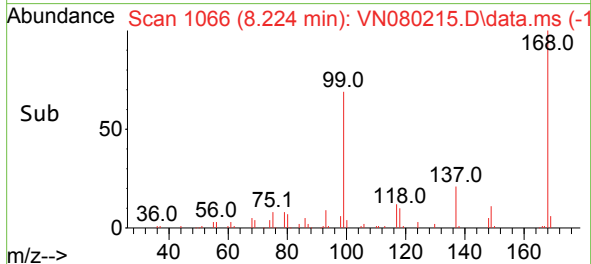


#36
1,1-Dichloropropene
Concen: 4.187 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :

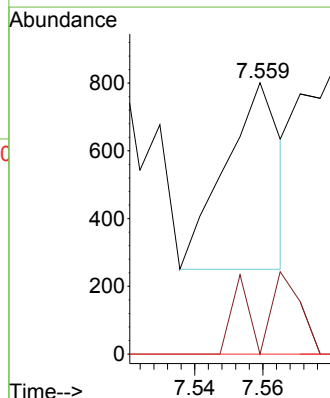
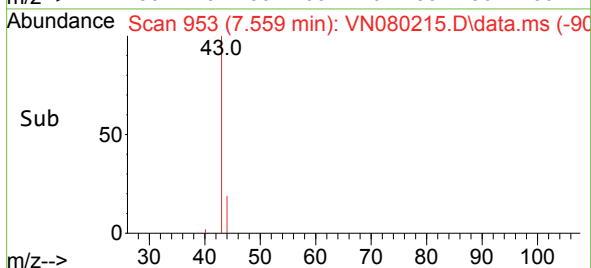
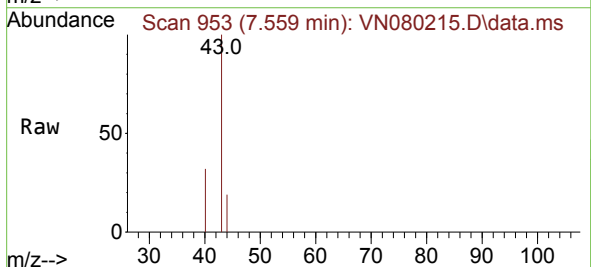


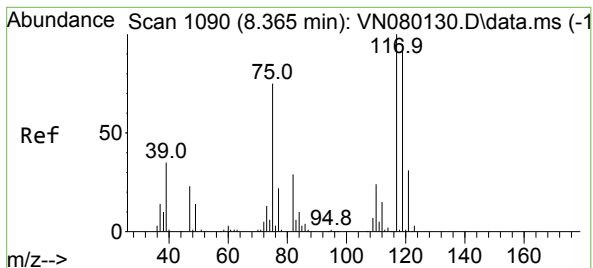
Tgt Ion: 75 Resp: 11908
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.315 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

Tgt Ion: 43 Resp: 622
Ion Ratio Lower Upper
43 100
61 22.5 13.2 19.8#
70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.782 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

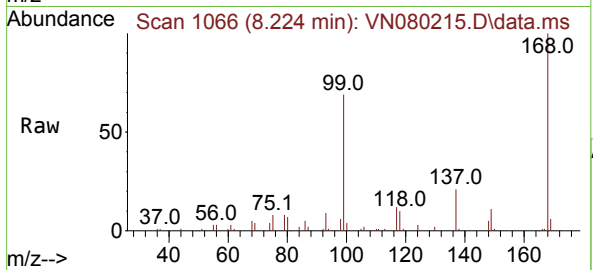
Lab File: VN080215.D

Acq: 20 Nov 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :



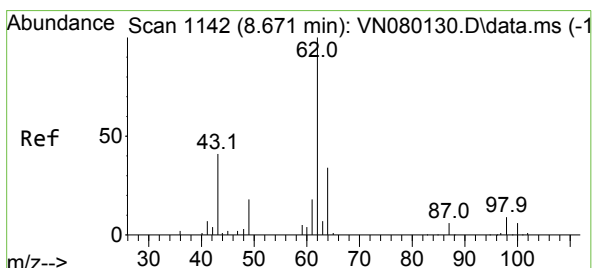
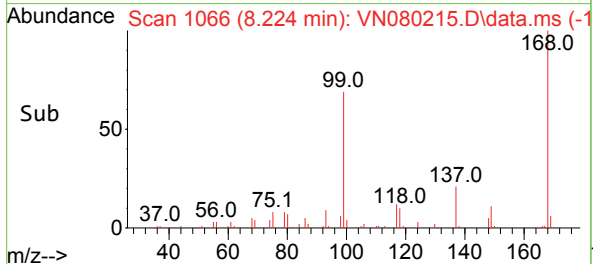
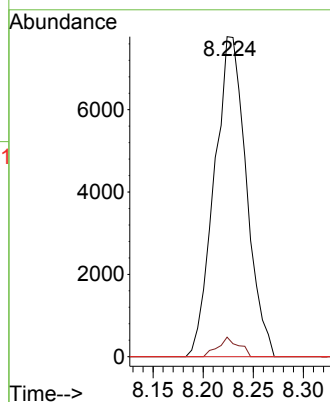
Tgt Ion:117 Resp: 17257

Ion Ratio Lower Upper

117 100

119 6.1 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.241 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN080215.D

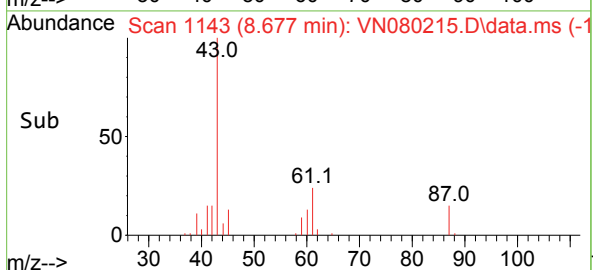
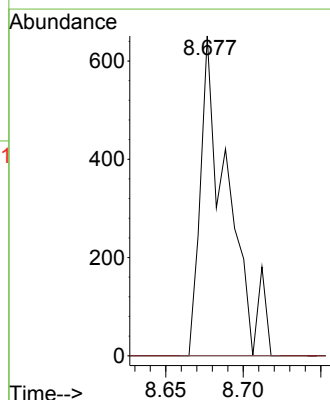
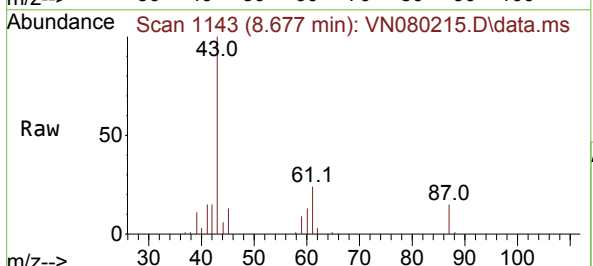
Acq: 20 Nov 2023 18:10

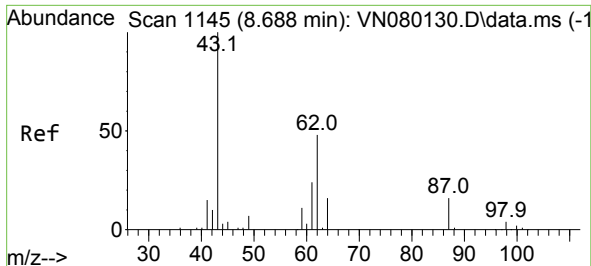
Tgt Ion: 62 Resp: 796

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

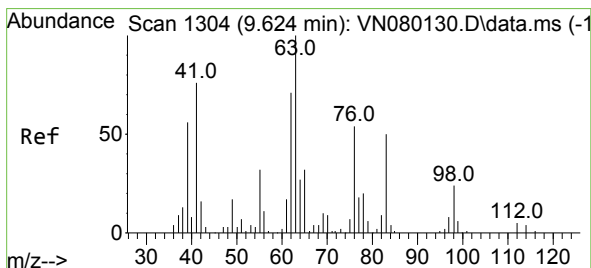
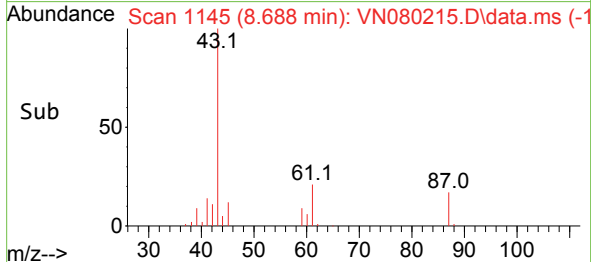
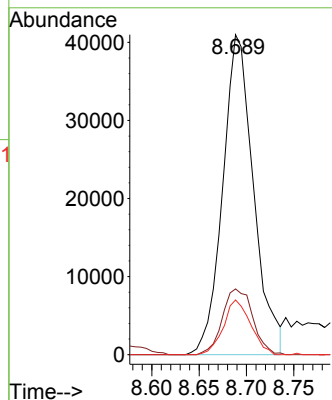
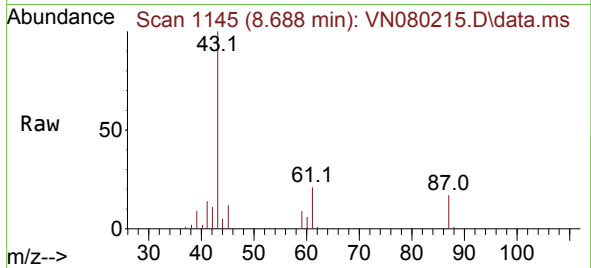




#43
Isopropyl Acetate
Concen: 24.156 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

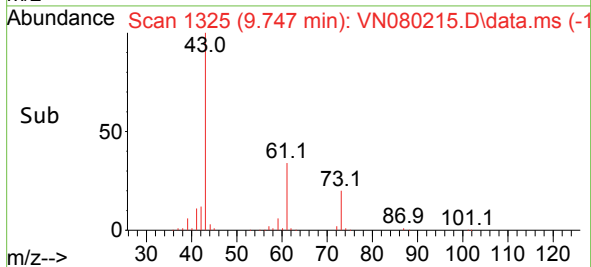
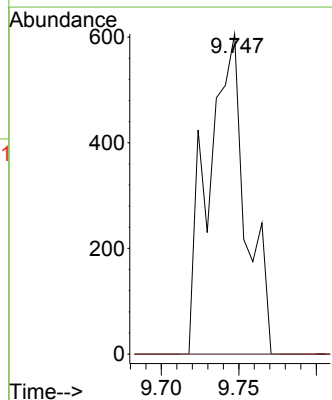
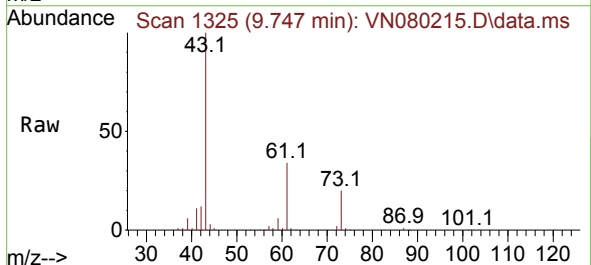
Instrument :
MSVOA_N
ClientSampleId :

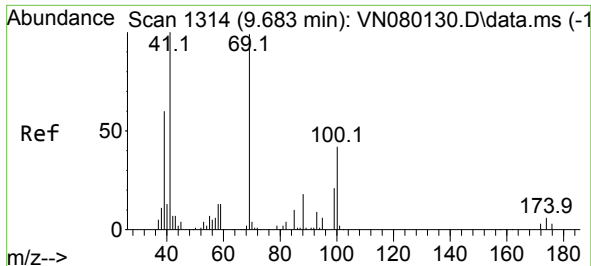
Tgt Ion: 43 Resp: 92732
Ion Ratio Lower Upper
43 100
61 20.3 24.7 37.1#
87 15.1 14.6 21.8



#45
1,2-Dichloropropane
Concen: 0.544 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

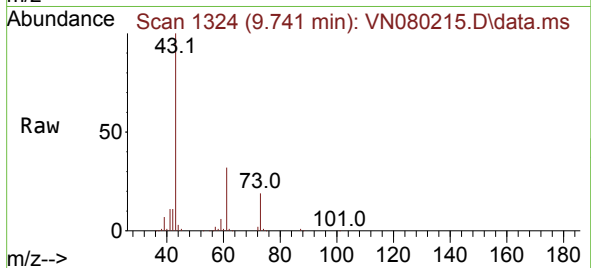
Tgt Ion: 63 Resp: 1021
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



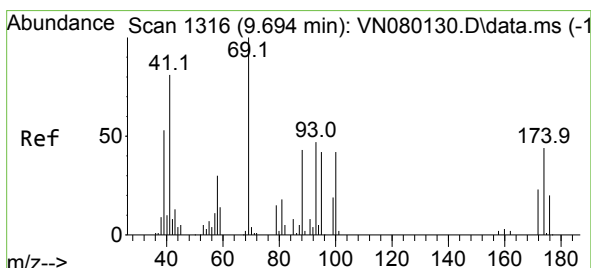
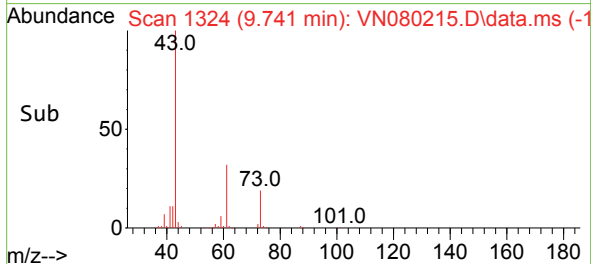
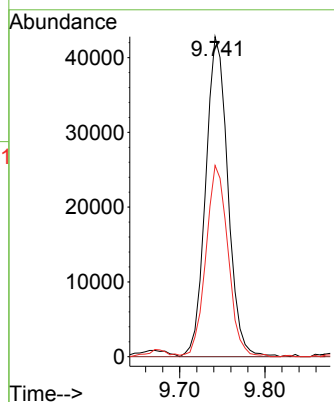


#48
Methyl methacrylate
Concen: 39.028 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :

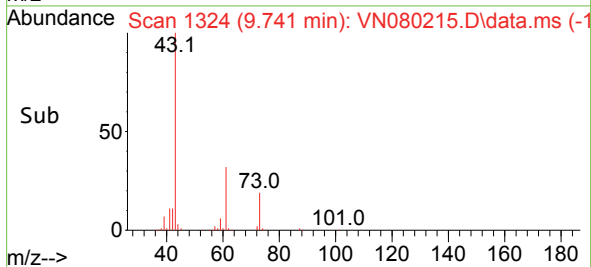
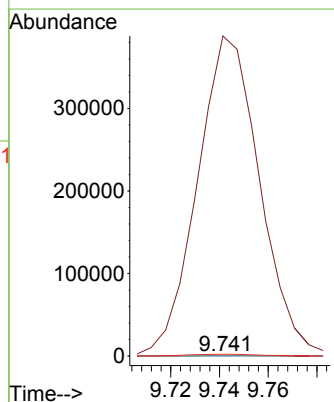
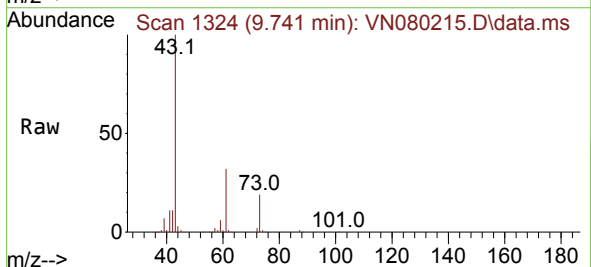


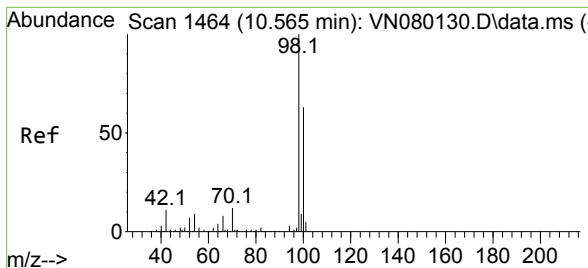
Tgt Ion: 41 Resp: 77210
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 59.8 54.6 81.8



#49
1,4-Dioxane
Concen: 8.872 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

Tgt Ion: 88 Resp: 292
Ion Ratio Lower Upper
88 100
43 237593.2 17.0 25.6#
58 1435.3 47.0 70.4#

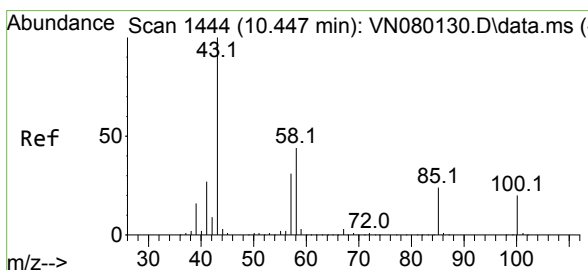
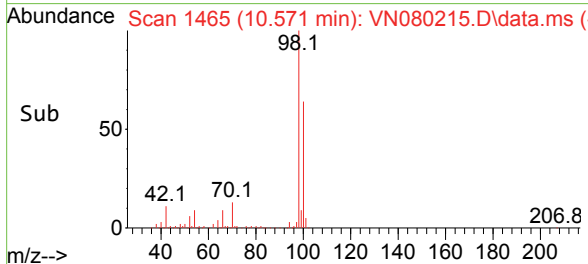
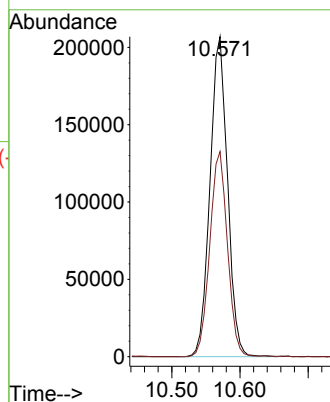
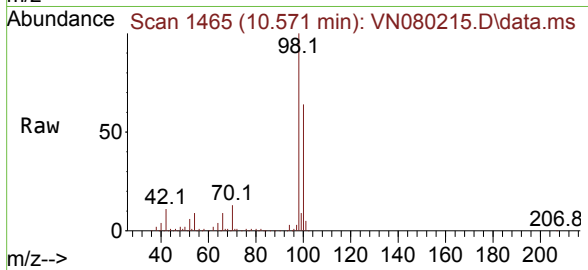




#50
Toluene-d8
Concen: 52.286 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

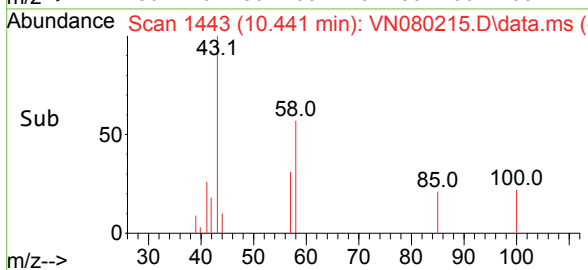
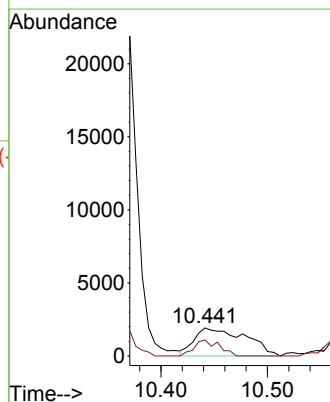
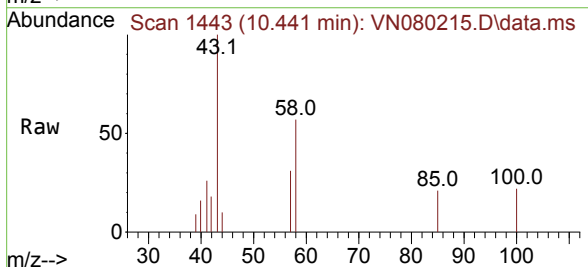
Instrument :
MSVOA_N
ClientSampleId :

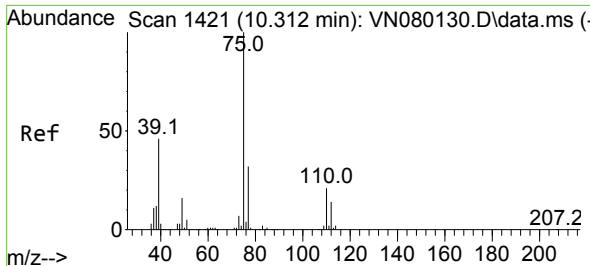
Tgt Ion: 98 Resp: 370248
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.231 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

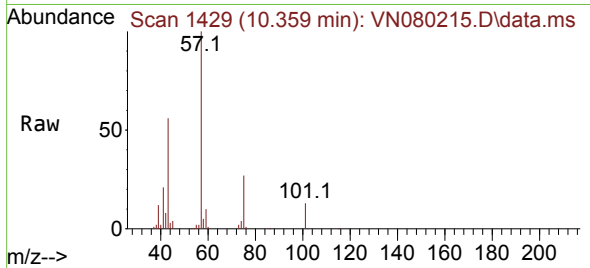
Tgt Ion: 43 Resp: 6422
Ion Ratio Lower Upper
43 100
58 27.7 36.6 54.8#



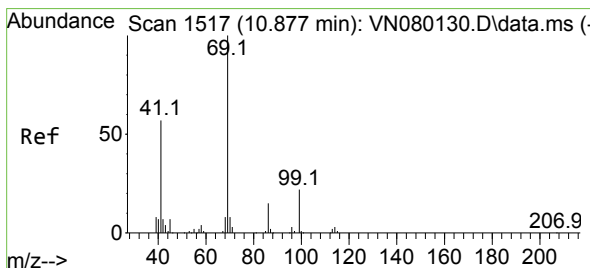
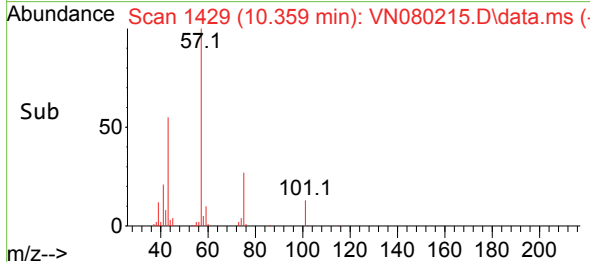
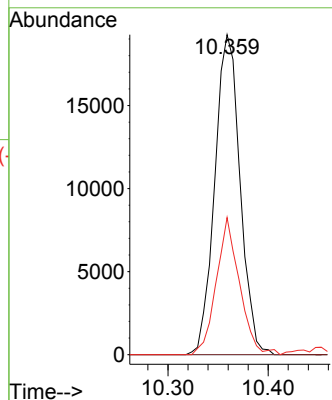


#54
 cis-1,3-Dichloropropene
 Concen: 10.290 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080215.D
 Acq: 20 Nov 2023 18:10

Instrument :
 MSVOA_N
 ClientSampleId :

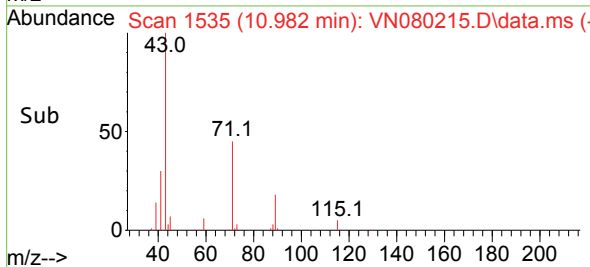
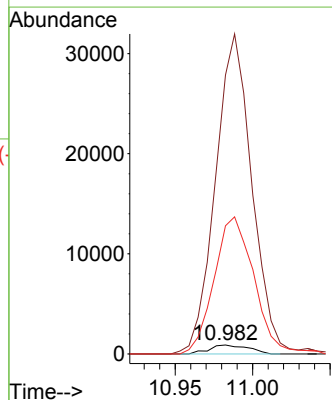
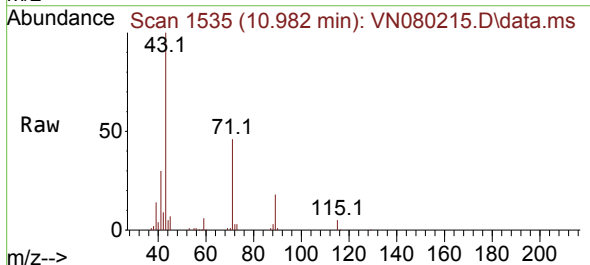


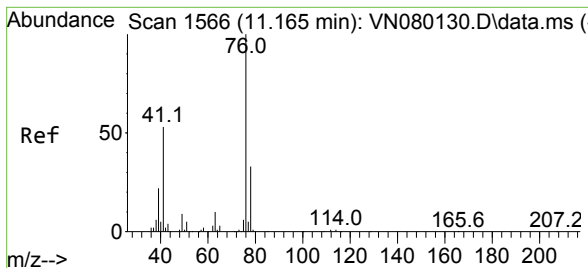
Tgt Ion: 75 Resp: 33785
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 42.9 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.802 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN080215.D
 Acq: 20 Nov 2023 18:10

Tgt Ion: 69 Resp: 1582
 Ion Ratio Lower Upper
 69 100
 41 3328.4 39.6 59.4#
 39 1552.5 28.6 43.0#

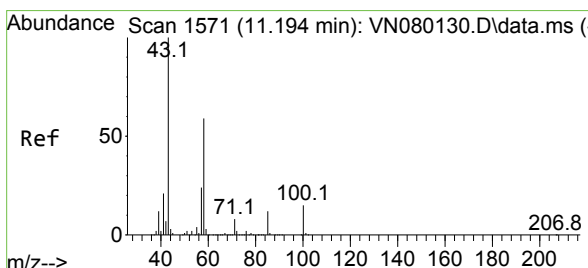
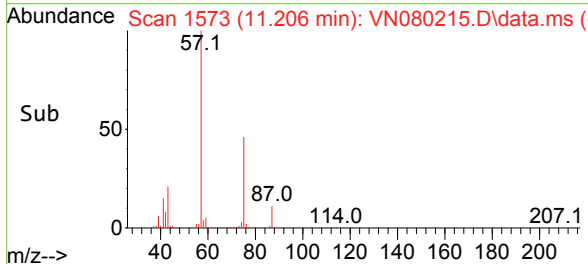
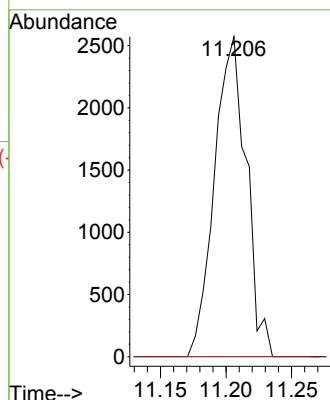
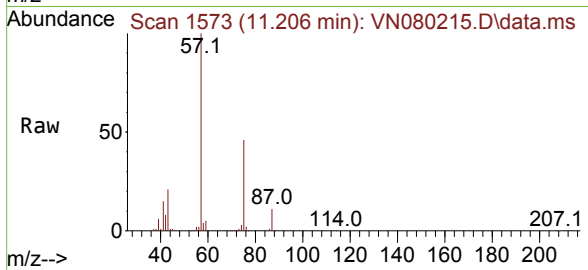




#57
1,3-Dichloropropane
Concen: 1.287 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

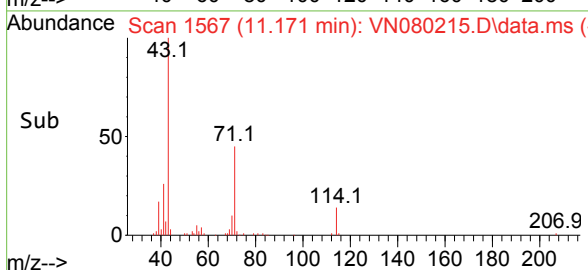
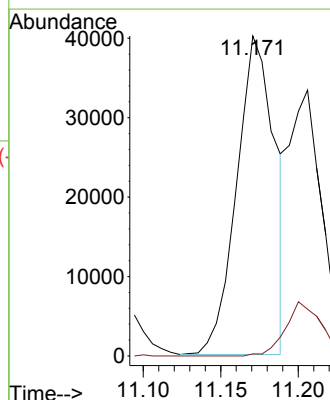
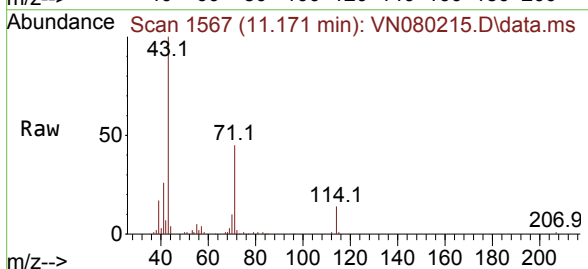
Instrument :
MSVOA_N
ClientSampleId :

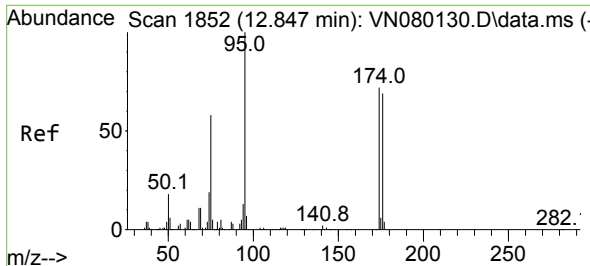
Tgt Ion: 76 Resp: 4337
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 42.948 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

Tgt Ion: 43 Resp: 68590
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

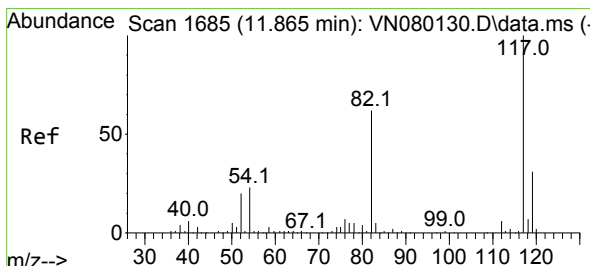
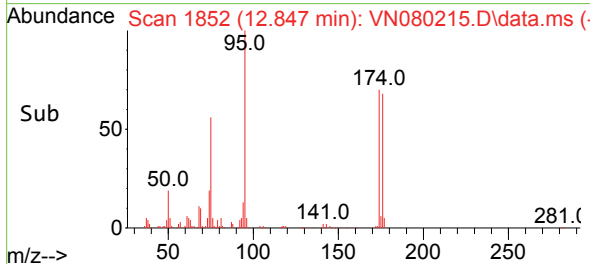
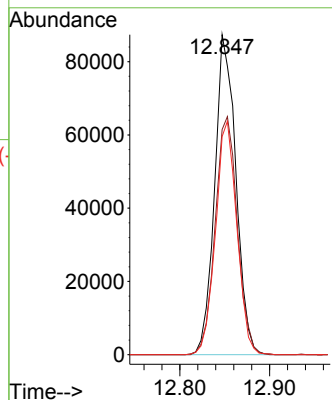
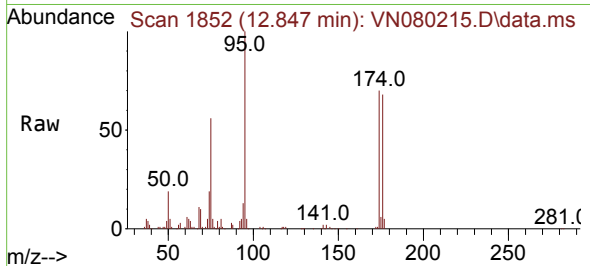




#62
4-Bromofluorobenzene
Concen: 53.537 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

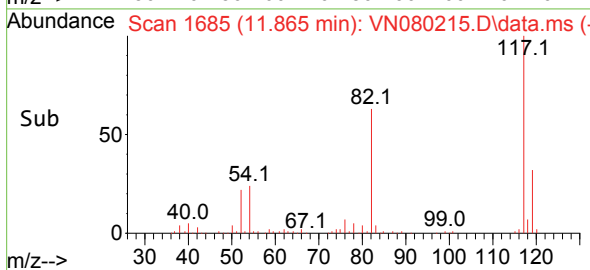
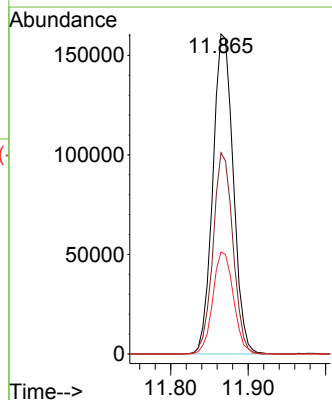
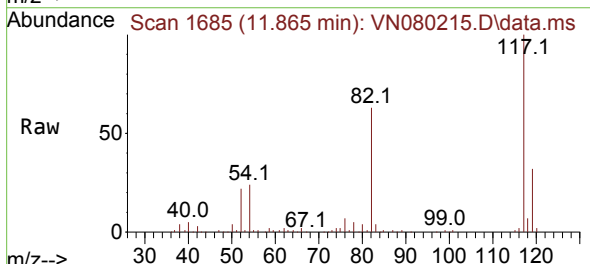
Instrument :
MSVOA_N
ClientSampleId :

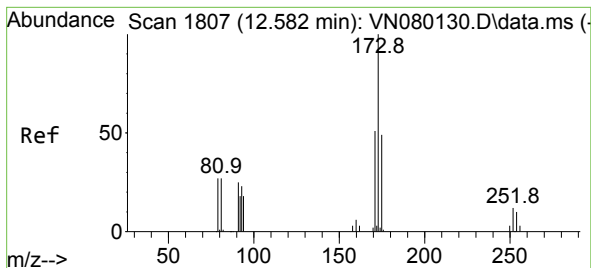
Tgt Ion: 95 Resp: 143193
Ion Ratio Lower Upper
95 100
174 77.9 0.0 143.8
176 73.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

Tgt Ion: 117 Resp: 294660
Ion Ratio Lower Upper
117 100
82 62.9 44.0 66.0
119 31.9 25.6 38.4





#71

Bromoform

Concen: 0.515 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN080215.D

Acq: 20 Nov 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :

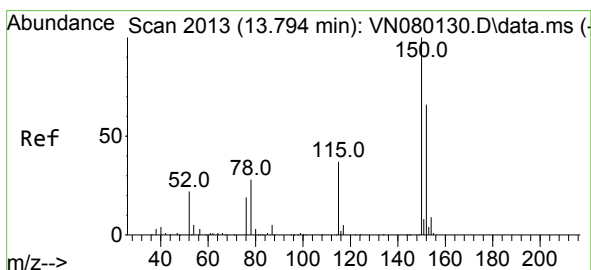
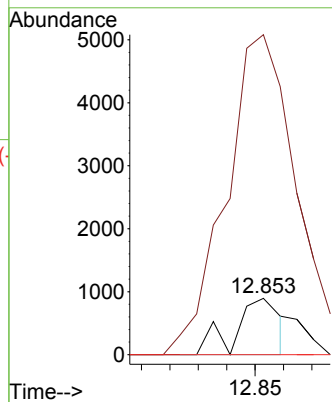
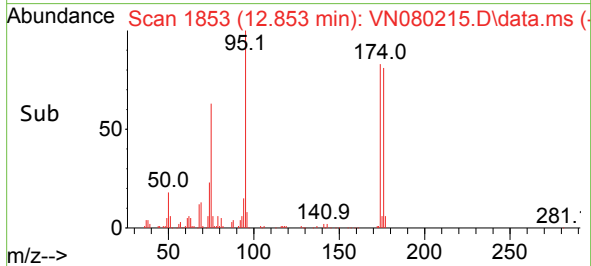
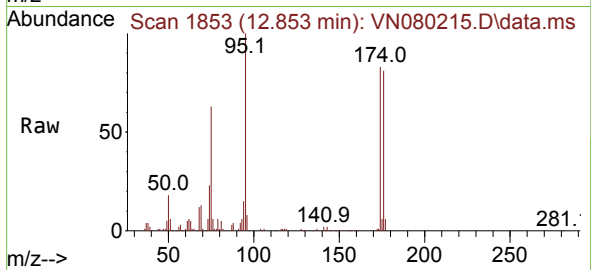
Tgt Ion:173 Resp: 990

Ion Ratio Lower Upper

173 100

175 702.1 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: VN080215.D

Acq: 20 Nov 2023 18:10

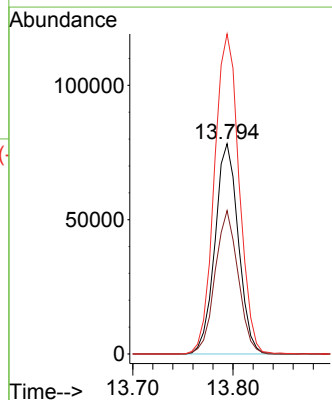
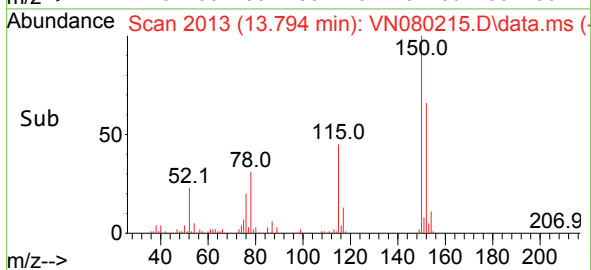
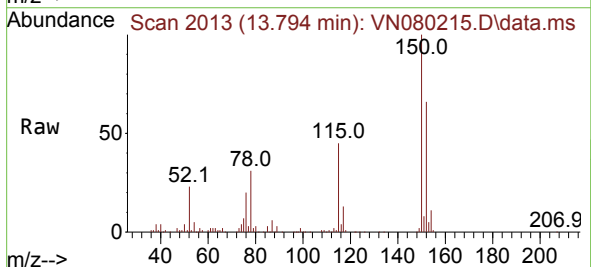
Tgt Ion:152 Resp: 126309

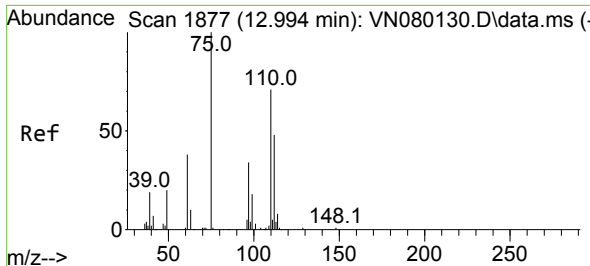
Ion Ratio Lower Upper

152 100

115 67.6 32.3 96.8

150 161.2 0.0 355.8

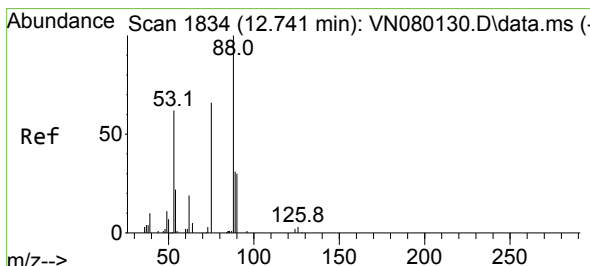
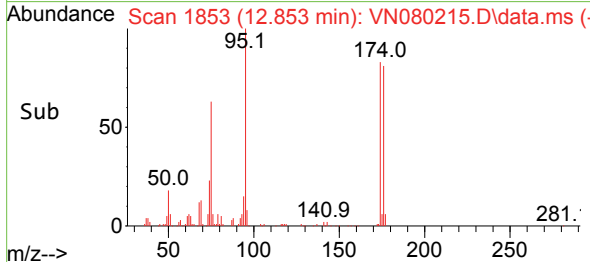
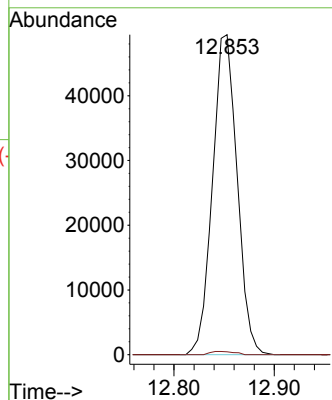
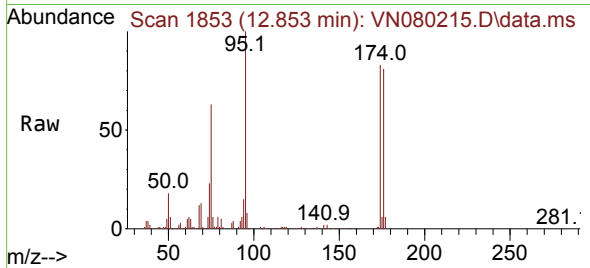




#76
1,2,3-Trichloropropane
Concen: 27.177 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 84106
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.819 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080215.D
Acq: 20 Nov 2023 18:10

Tgt Ion: 75 Resp: 84106
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

