

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080219.D
 Acq On : 20 Nov 2023 19:45
 Operator : JC\MD
 Sample : 05489-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:11:04 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)

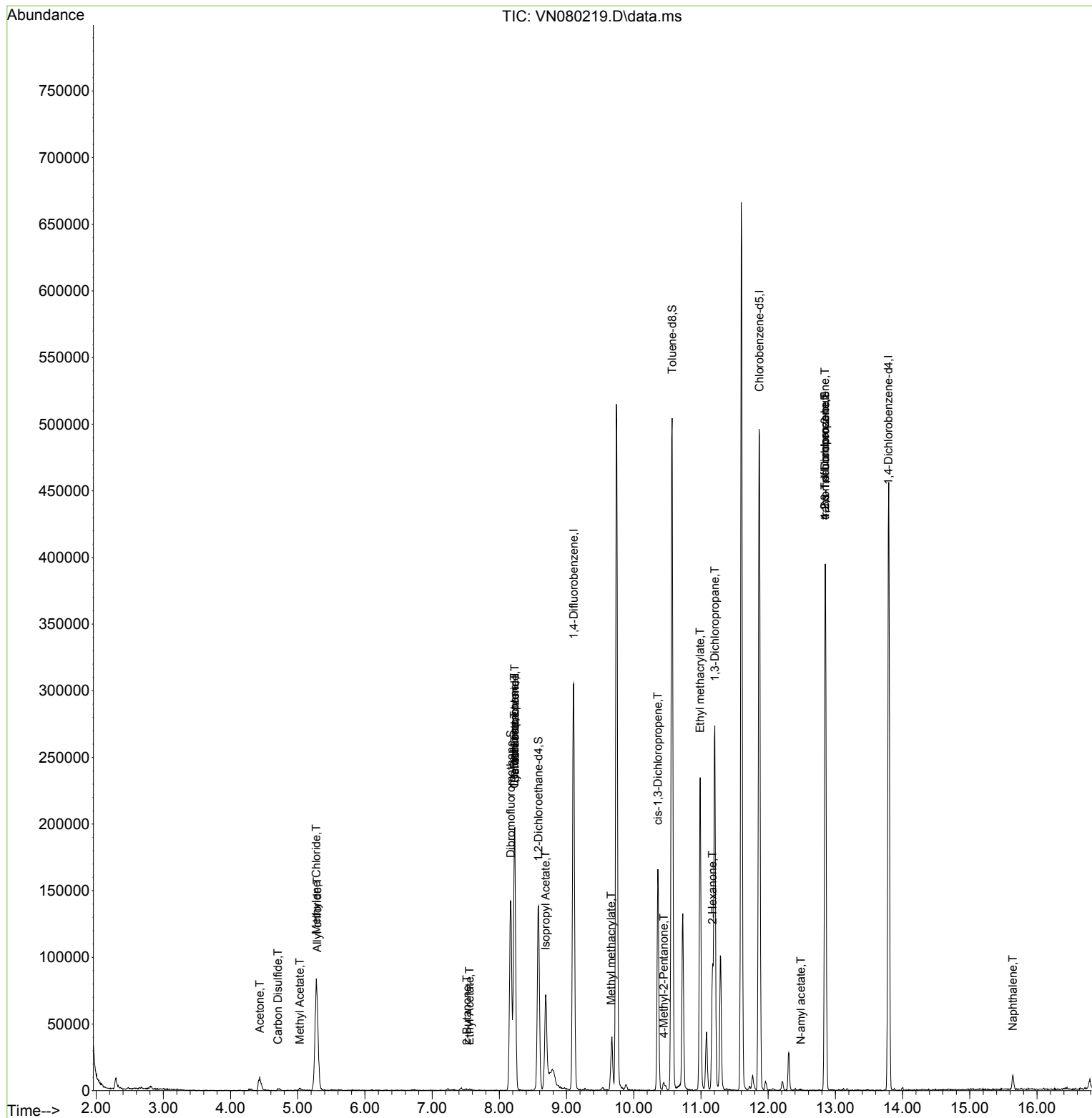
Internal Standards						
1) Pentafluorobenzene	8.230	168	130820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	250967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	281426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	130307	60.326	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.660%	
35) Dibromofluoromethane	8.171	113	96035	51.860	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.720%	
50) Toluene-d8	10.571	98	348485	52.204	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.400%	
62) 4-Bromofluorobenzene	12.847	95	134274	53.254	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.500%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.130	64	636	Below Cal	#	43
14) Allyl chloride	5.289	41	1670	0.960	ug/l #	19
16) Acetone	4.436	43	19234	26.511	ug/l	93
17) Carbon Disulfide	4.706	76	1697	0.411	ug/l #	75
18) Methyl Acetate	5.030	43	2982	1.279	ug/l #	68
20) Methylene Chloride	5.277	84	68222	44.903	ug/l	97
25) 2-Butanone	7.518	43	1810	2.100	ug/l #	37
31) Cyclohexane	8.224	56	3518	1.498	ug/l #	39
36) 1,1-Dichloropropene	8.224	75	12055	4.496	ug/l #	50
37) Ethyl Acetate	7.559	43	2053	1.104	ug/l #	63
38) Carbon Tetrachloride	8.230	117	16232	4.771	ug/l #	16
43) Isopropyl Acetate	8.688	43	84630	23.386	ug/l #	80
48) Methyl methacrylate	9.665	41	2231	1.196	ug/l #	3
51) 4-Methyl-2-Pentanone	10.447	43	2873	1.533	ug/l #	86
54) cis-1,3-Dichloropropene	10.359	75	29776	9.621	ug/l #	72
56) Ethyl methacrylate	10.988	69	1427	0.767	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	2960	0.931	ug/l #	42
59) 2-Hexanone	11.171	43	69188	45.956	ug/l #	19
74) N-amyl acetate	12.488	43	801	0.268	ug/l #	36
76) 1,2,3-Trichloropropane	12.847	75	79714	26.379	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79714	89.125	ug/l #	15
95) Naphthalene	15.641	128	10568	1.504	ug/l	97

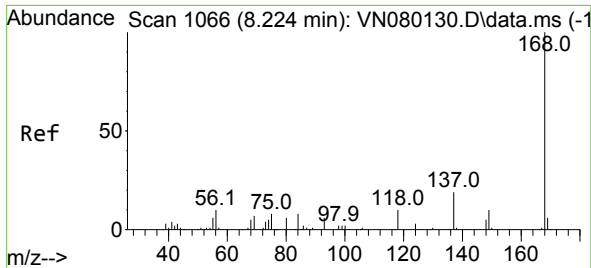
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 21 01:11:04 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

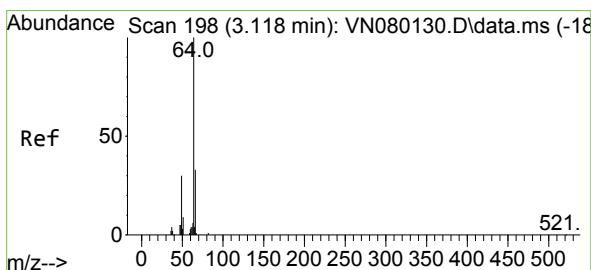
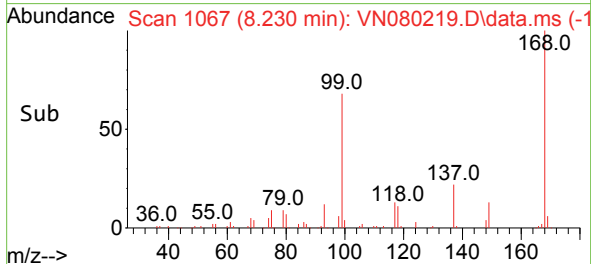
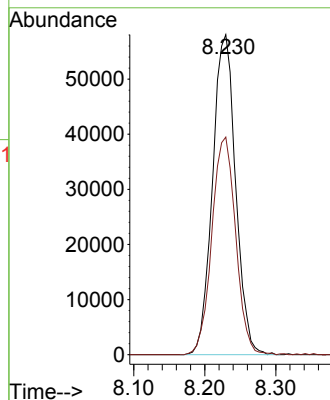
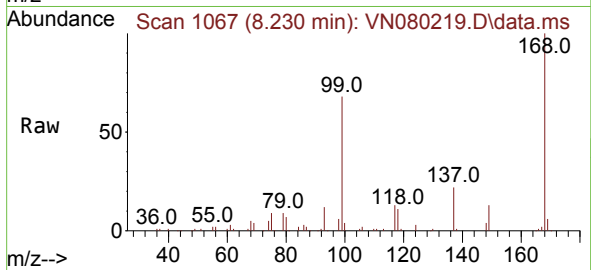




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

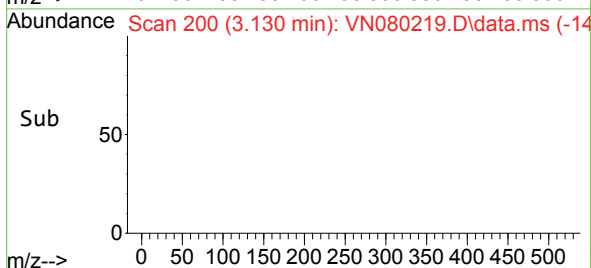
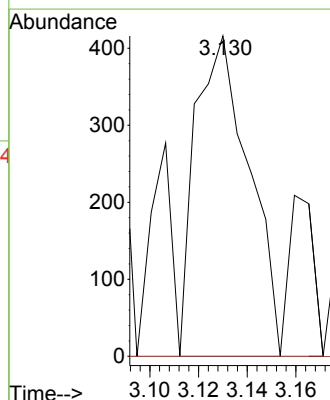
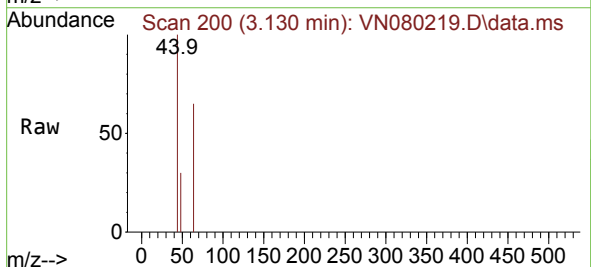
Instrument :
MSVOA_N
ClientSampleId :

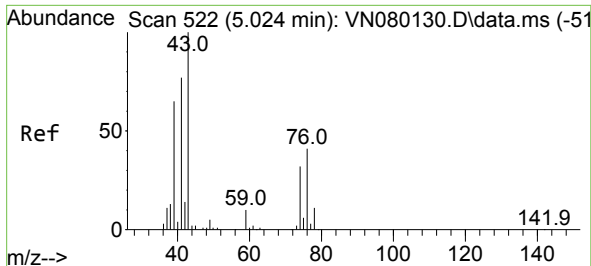
Tgt Ion:168 Resp: 130820
Ion Ratio Lower Upper
168 100
99 68.0 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

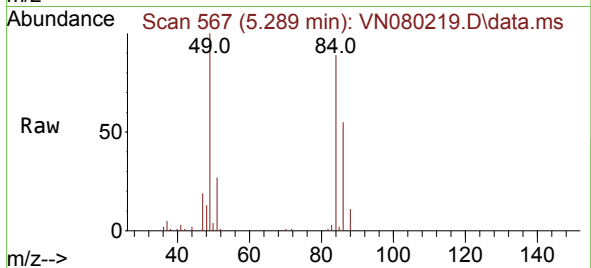
Tgt Ion: 64 Resp: 636
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



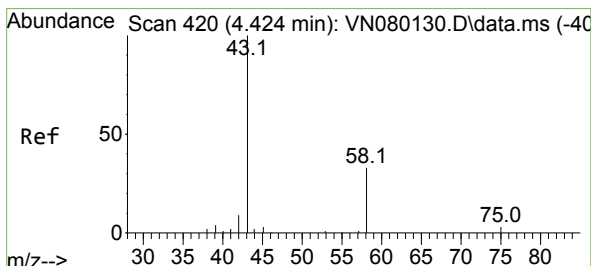
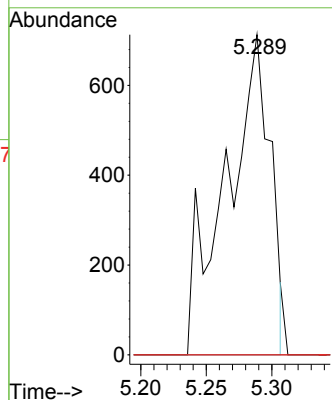
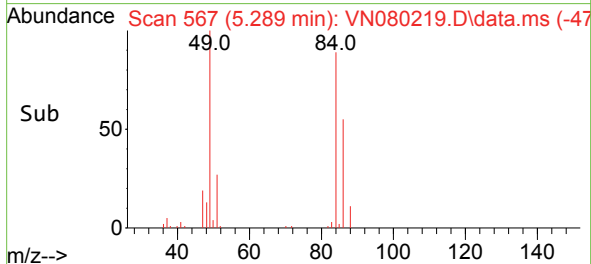


#14
Allyl chloride
Concen: 0.960 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.265 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

Instrument :
MSVOA_N
ClientSampleId :

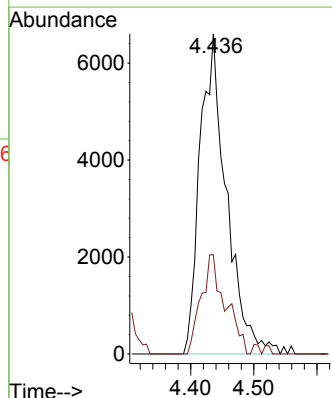
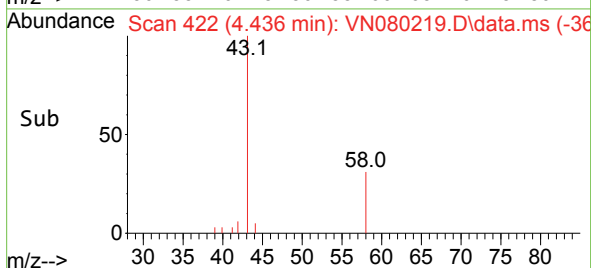
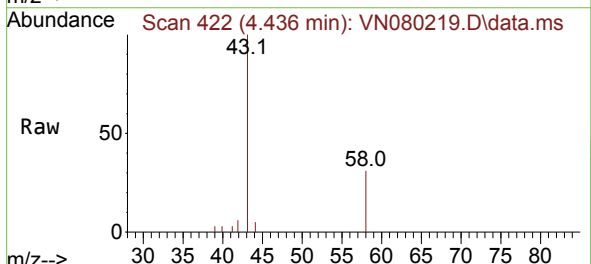


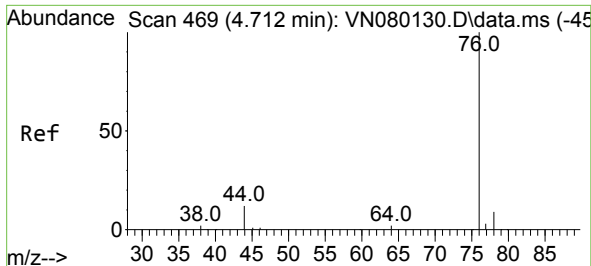
Tgt Ion: 41 Resp: 1670
Ion Ratio Lower Upper
41 100
39 0.0 58.8 88.2#
76 0.0 39.1 58.7#



#16
Acetone
Concen: 26.511 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

Tgt Ion: 43 Resp: 19234
Ion Ratio Lower Upper
43 100
58 31.0 28.0 42.0

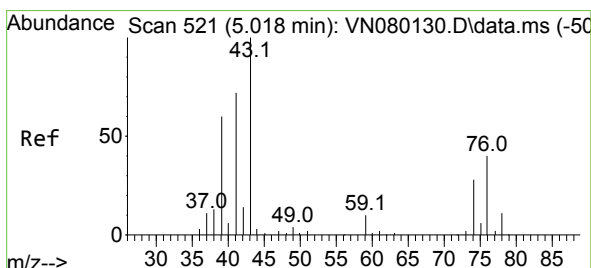
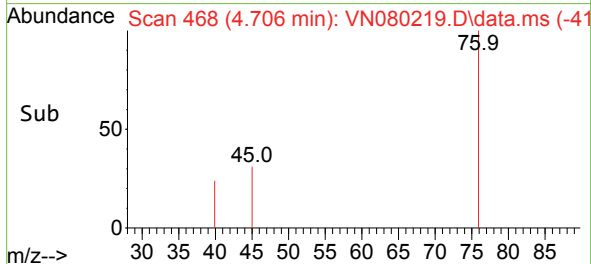
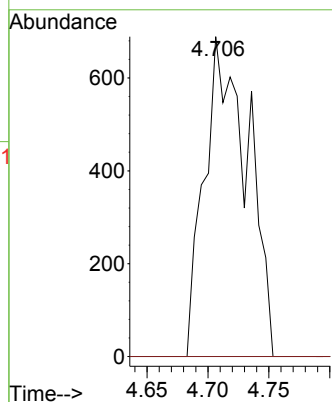
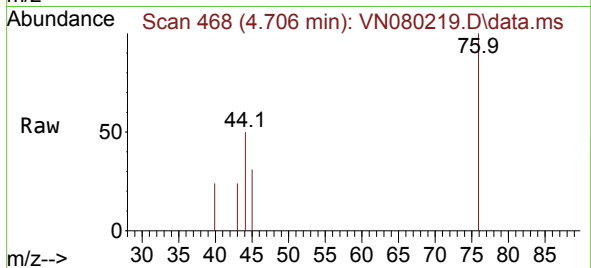




#17
Carbon Disulfide
Concen: 0.411 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

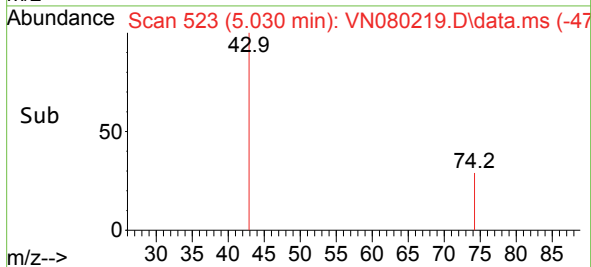
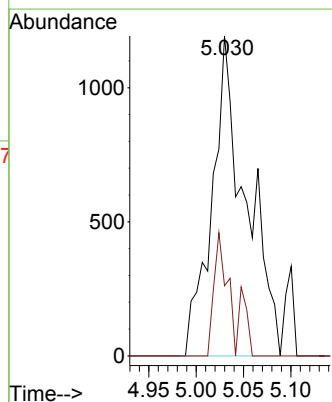
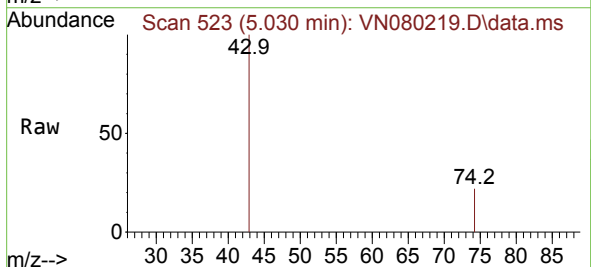
Instrument :
MSVOA_N
ClientSampleId :

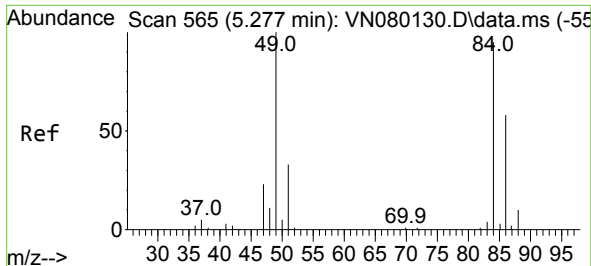
Tgt Ion: 76 Resp: 1697
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 1.279 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

Tgt Ion: 43 Resp: 2982
Ion Ratio Lower Upper
43 100
74 14.9 26.2 39.4#

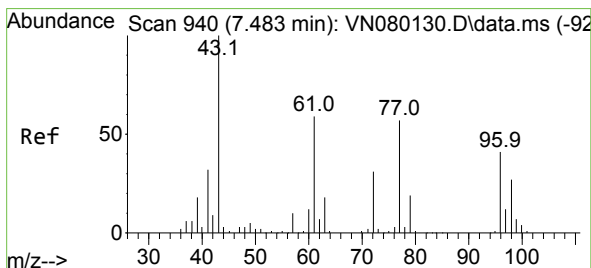
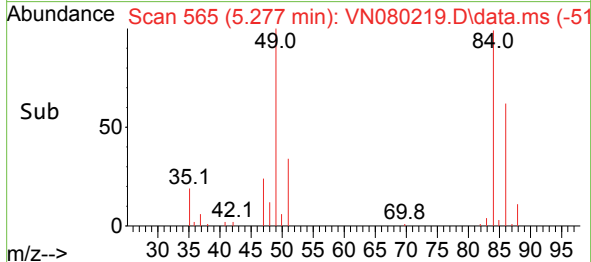
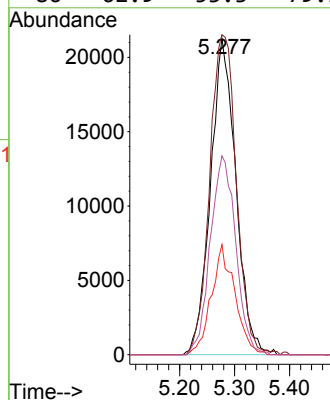
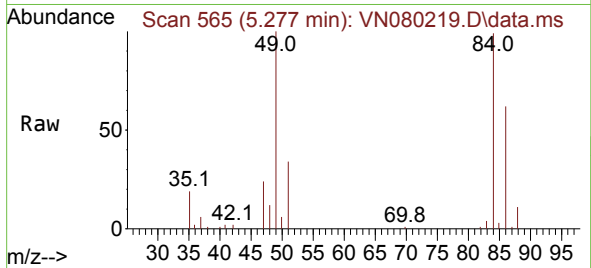




#20
Methylene Chloride
Concen: 44.903 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

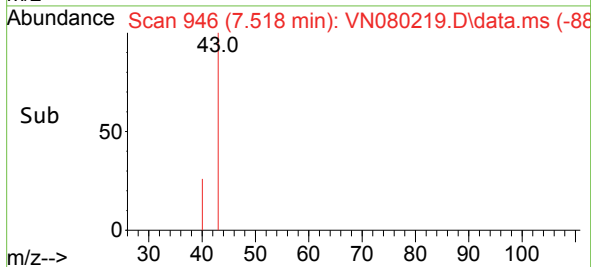
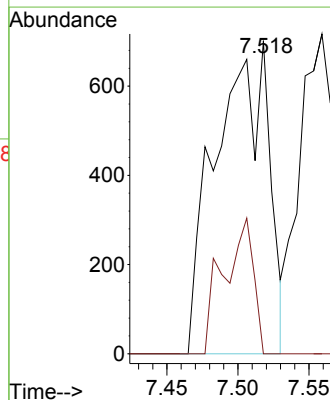
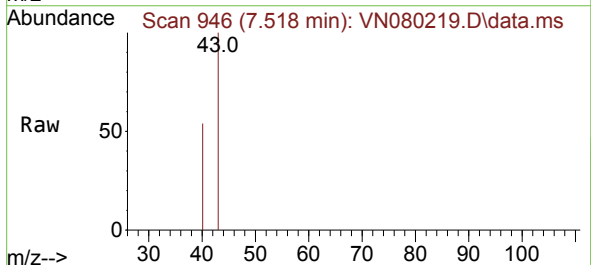
Instrument :
MSVOA_N
ClientSampleId :

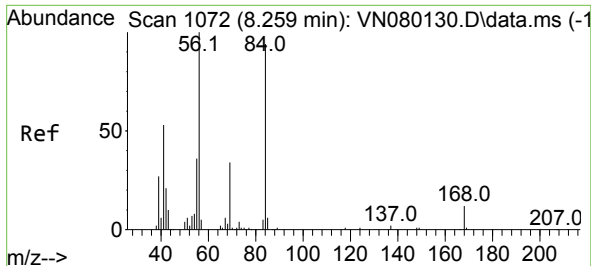
Tgt Ion: 84	Resp: 68222		
Ion	Ratio	Lower	Upper
84	100		
49	101.3	79.7	119.5
51	34.8	25.2	37.8
86	62.9	53.3	79.9



#25
2-Butanone
Concen: 2.100 ug/l
RT: 7.518 min Scan# 946
Delta R.T. 0.035 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

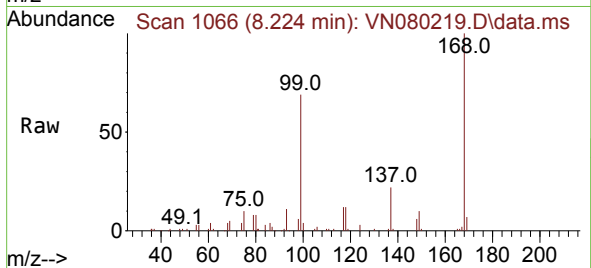
Tgt Ion: 43	Resp: 1810
Ion Ratio	Lower Upper
43 100	
72 0.0	30.2 45.2#



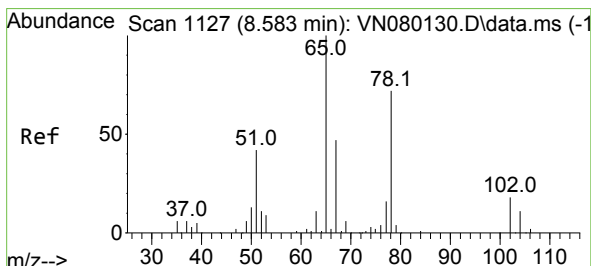
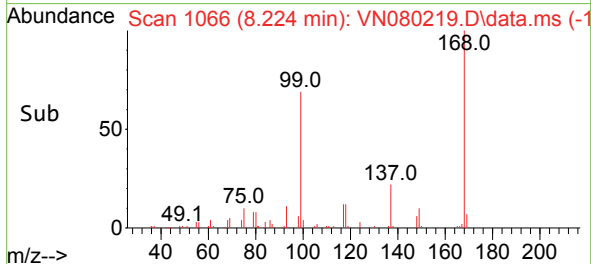
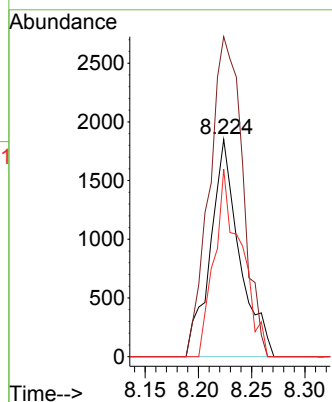


#31
Cyclohexane
Concen: 1.498 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

Instrument :
MSVOA_N
ClientSampleId :

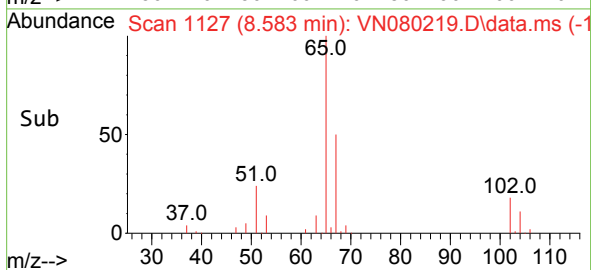
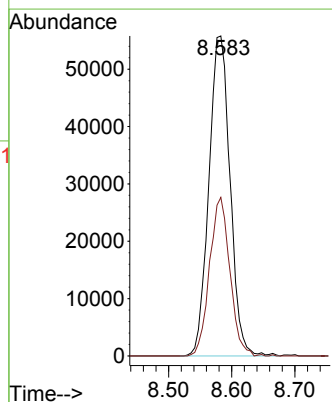
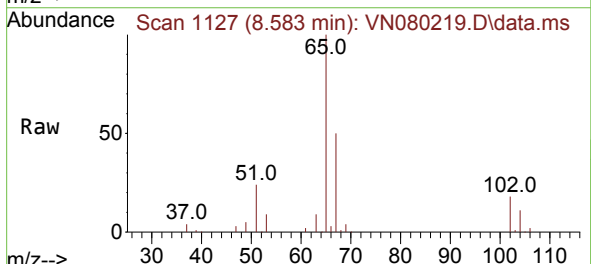


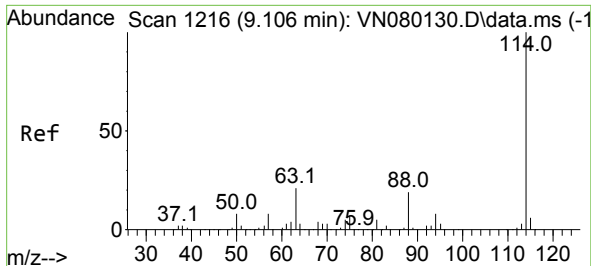
Tgt Ion: 56 Resp: 3518
Ion Ratio Lower Upper
56 100
69 147.3 26.8 40.2#
84 86.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 60.326 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

Tgt Ion: 65 Resp: 130307
Ion Ratio Lower Upper
65 100
67 47.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080219.D

Acq: 20 Nov 2023 19:45

Instrument :

MSVOA_N

ClientSampleId :

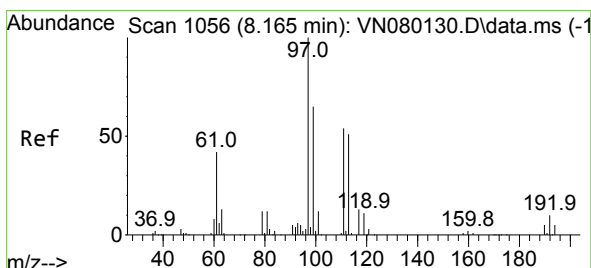
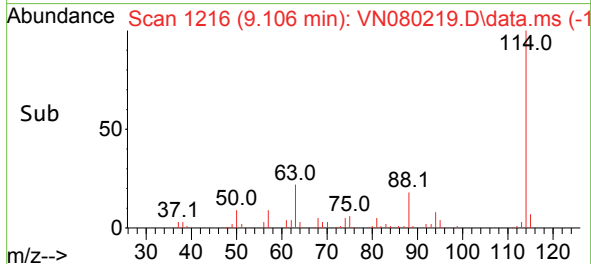
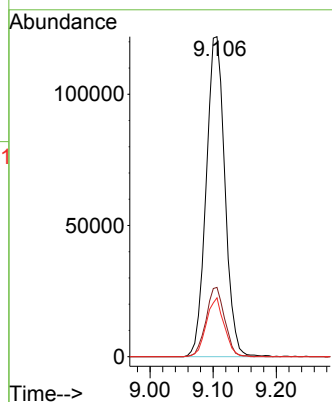
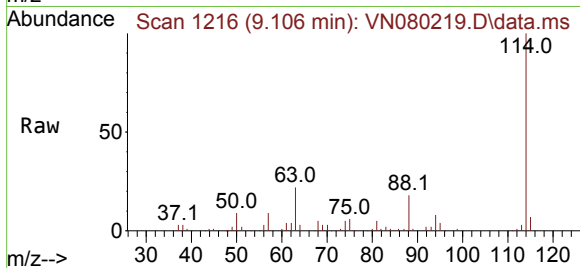
Tgt Ion:114 Resp: 250967

Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

88 18.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.860 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080219.D

Acq: 20 Nov 2023 19:45

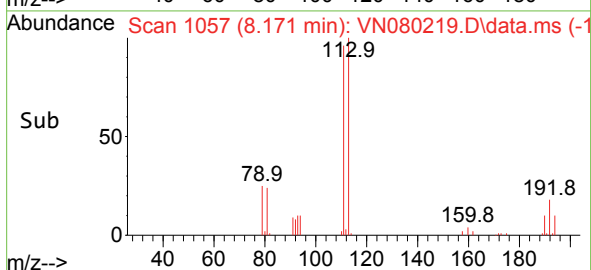
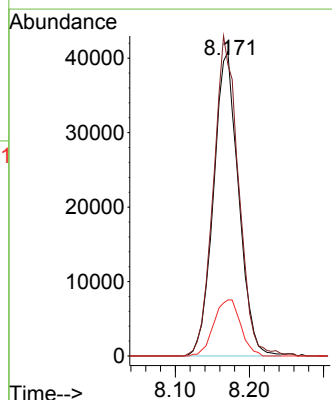
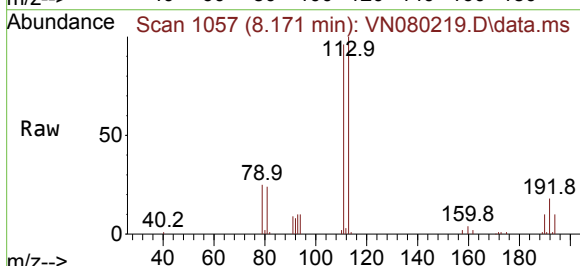
Tgt Ion:113 Resp: 96035

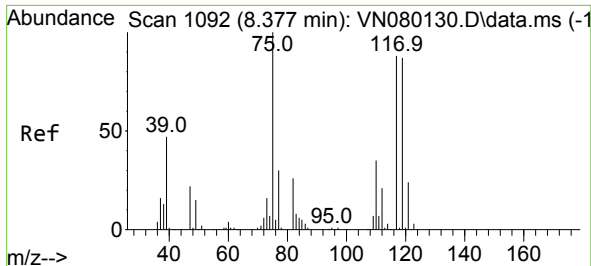
Ion Ratio Lower Upper

113 100

111 105.5 82.6 123.8

192 19.7 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.496 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

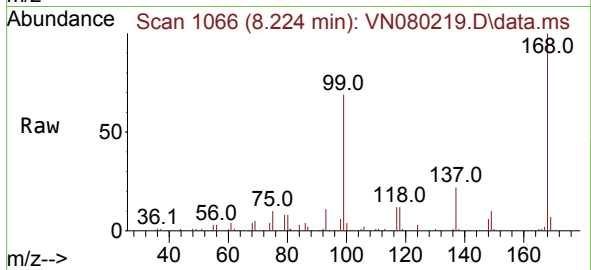
Lab File: VN080219.D

Acq: 20 Nov 2023 19:45

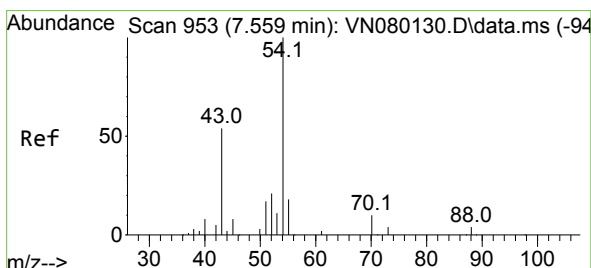
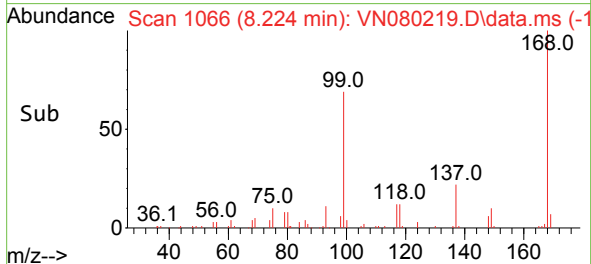
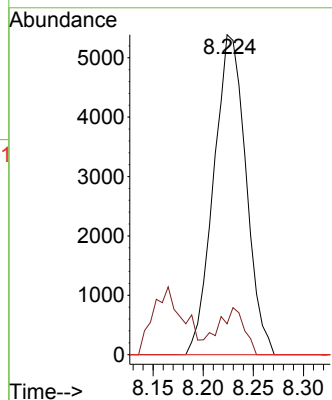
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	12055
Ion	Ratio	Lower	Upper
75	100		
110	11.8	19.1	57.3#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 1.104 ug/l

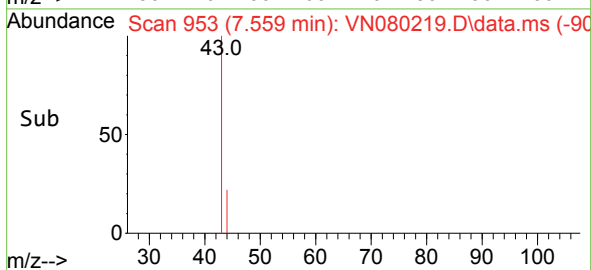
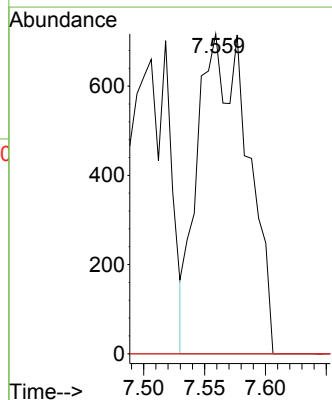
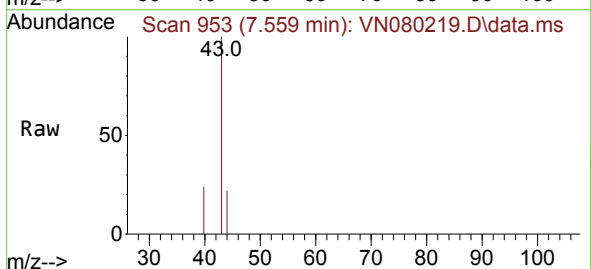
RT: 7.559 min Scan# 953

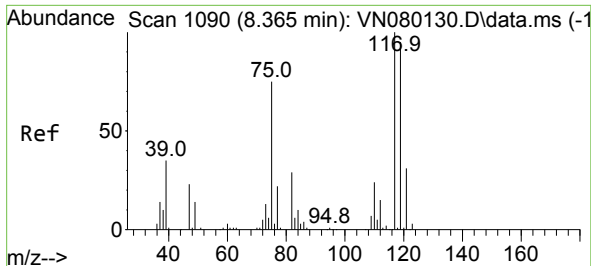
Delta R.T. -0.000 min

Lab File: VN080219.D

Acq: 20 Nov 2023 19:45

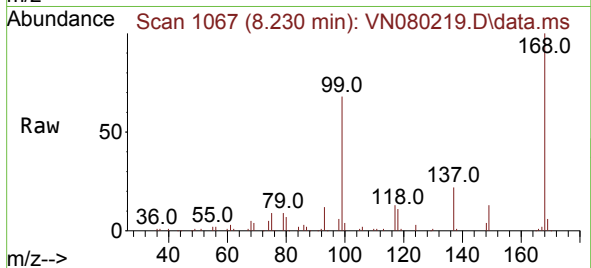
Tgt Ion:	43	Resp:	2053
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.2	19.8#
70	0.0	11.3	16.9#



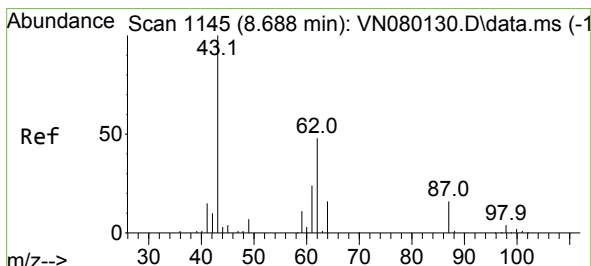
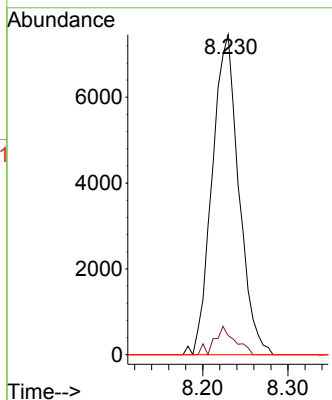
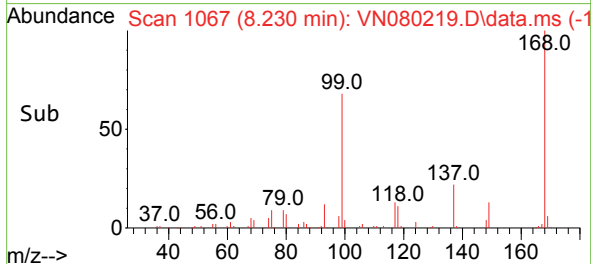


#38
Carbon Tetrachloride
Concen: 4.771 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

Instrument :
MSVOA_N
ClientSampleId :

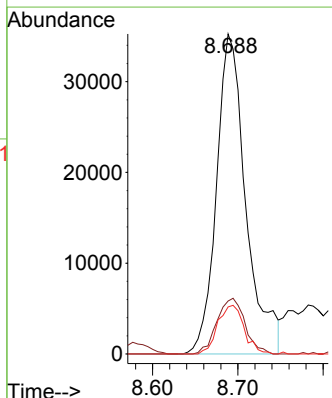
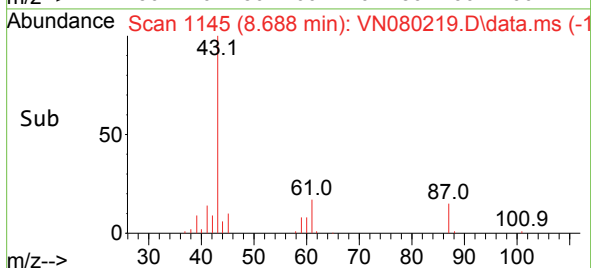
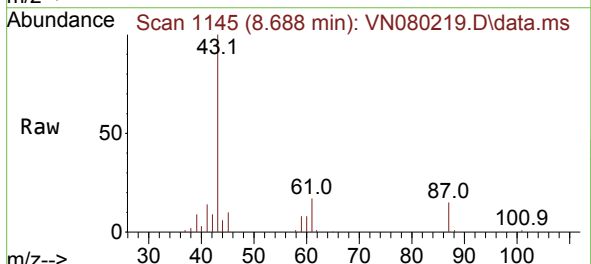


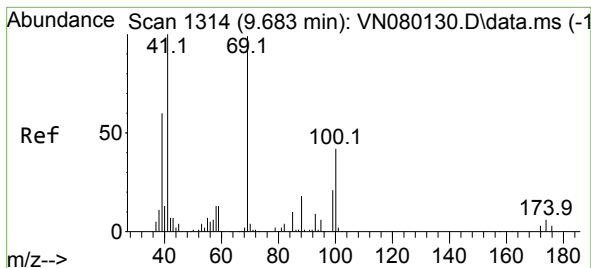
Tgt Ion:117 Resp: 16232
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 23.386 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

Tgt Ion: 43 Resp: 84630
Ion Ratio Lower Upper
43 100
61 16.6 24.7 37.1#
87 13.7 14.6 21.8#





#48

Methyl methacrylate

Concen: 1.196 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN080219.D

Acq: 20 Nov 2023 19:45

Instrument :

MSVOA_N

ClientSampleId :

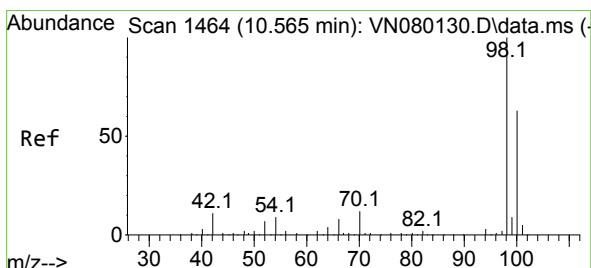
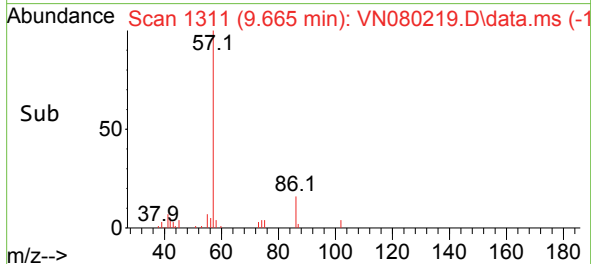
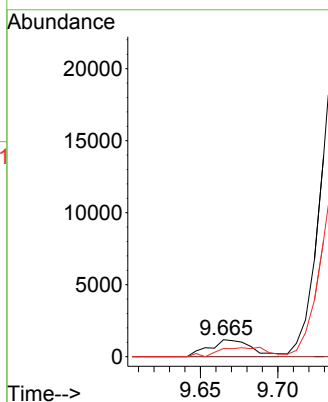
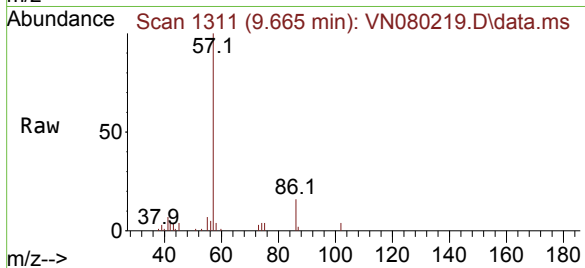
Tgt Ion: 41 Resp: 2231

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 0.0 54.6 81.8#



#50

Toluene-d8

Concen: 52.204 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080219.D

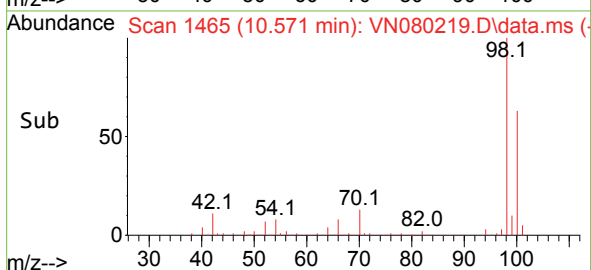
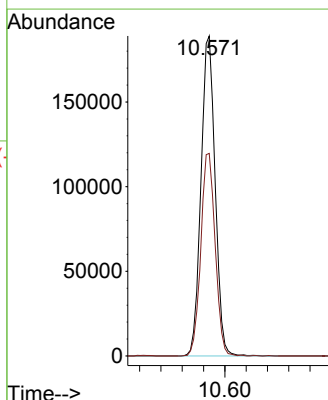
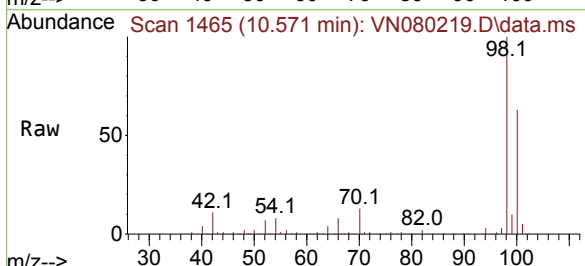
Acq: 20 Nov 2023 19:45

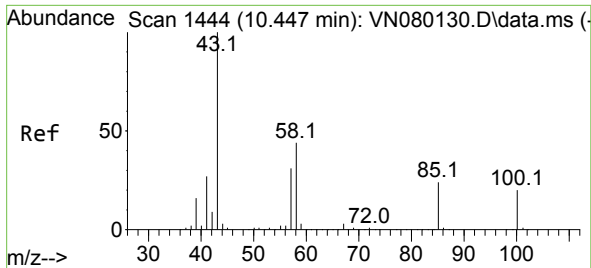
Tgt Ion: 98 Resp: 348485

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

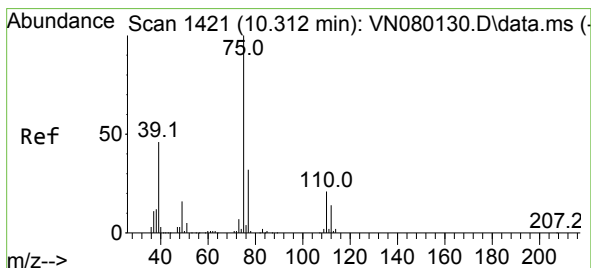
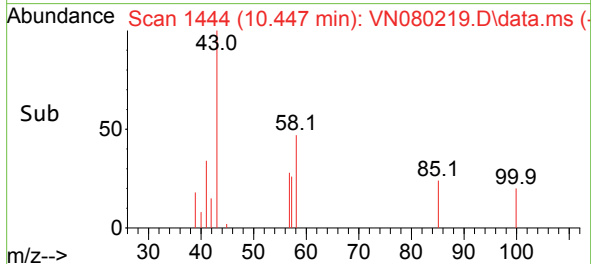
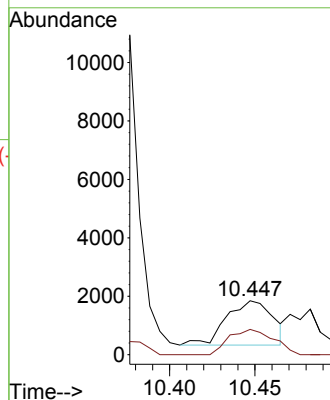
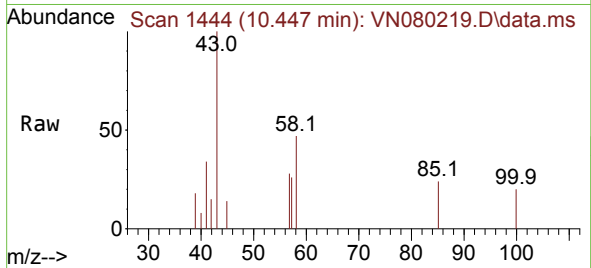




#51
4-Methyl-2-Pentanone
Concen: 1.533 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

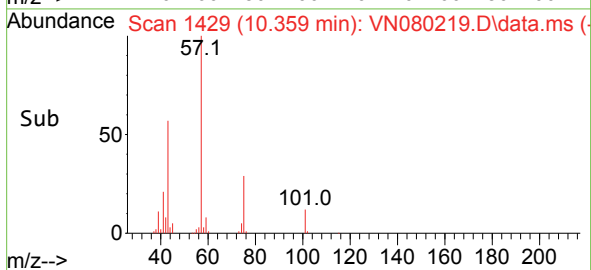
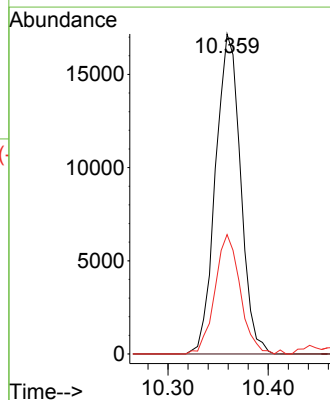
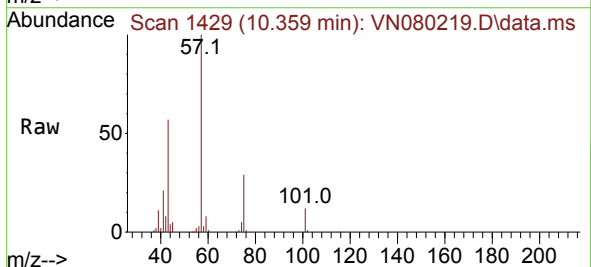
Instrument :
MSVOA_N
ClientSampleId :

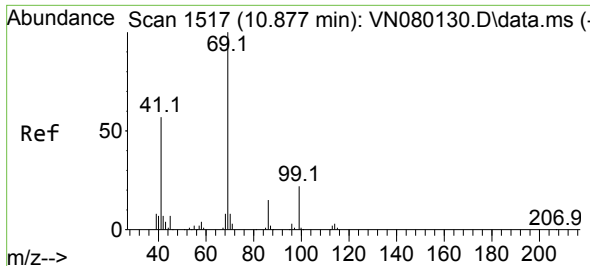
Tgt Ion: 43 Resp: 2873
Ion Ratio Lower Upper
43 100
58 55.0 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 9.621 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

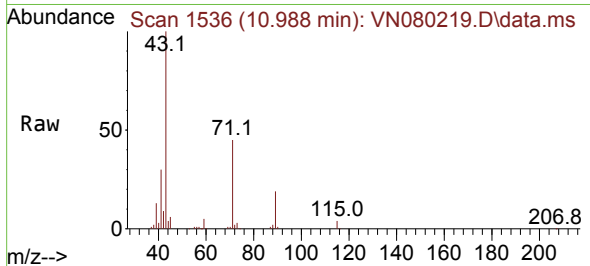
Tgt Ion: 75 Resp: 29776
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 37.3 31.6 47.4



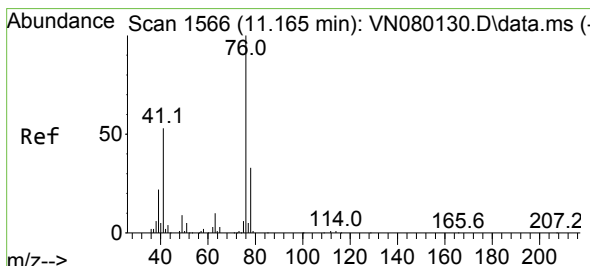
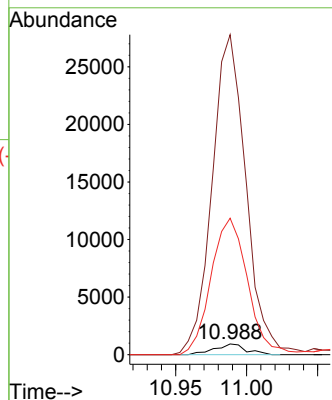
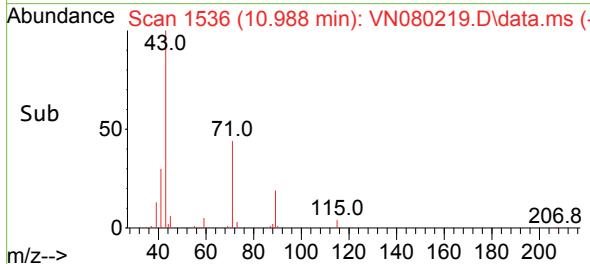


#56
Ethyl methacrylate
Concen: 0.767 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

Instrument :
MSVOA_N
ClientSampleId :

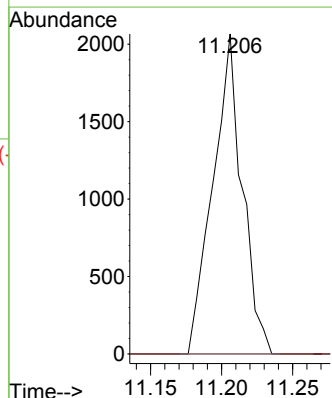
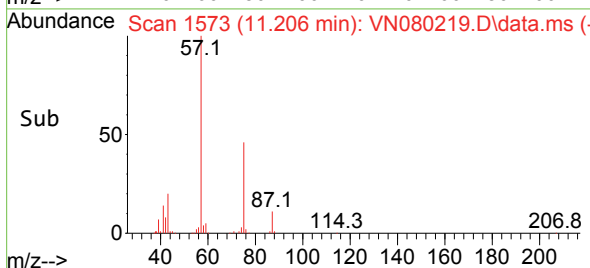
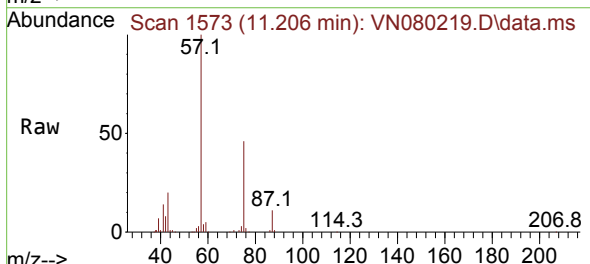


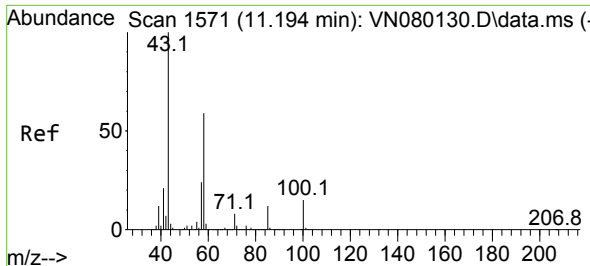
Tgt Ion: 69 Resp: 1427
Ion Ratio Lower Upper
69 100
41 3230.8 39.6 59.4#
39 1486.3 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 0.931 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

Tgt Ion: 76 Resp: 2960
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

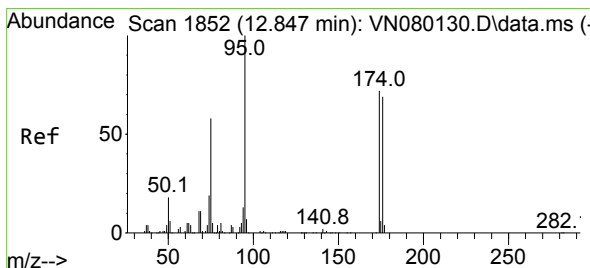
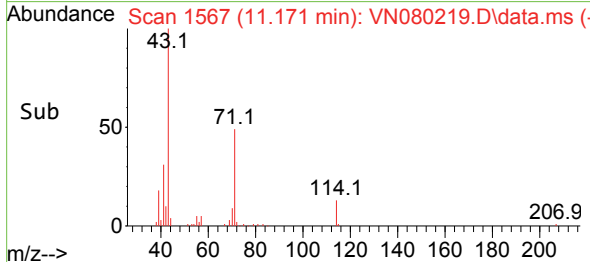
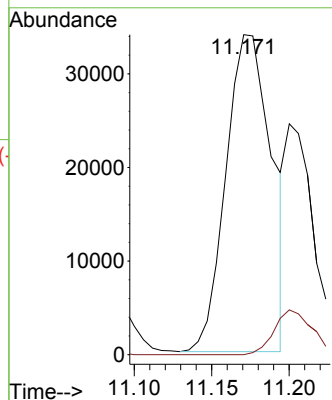
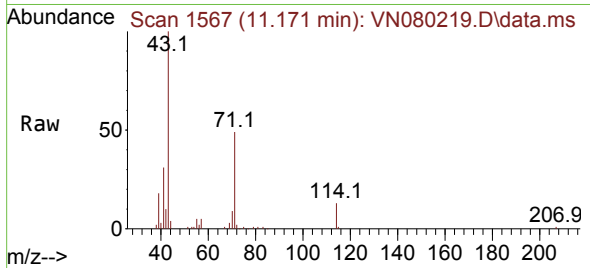




#59
2-Hexanone
Concen: 45.956 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

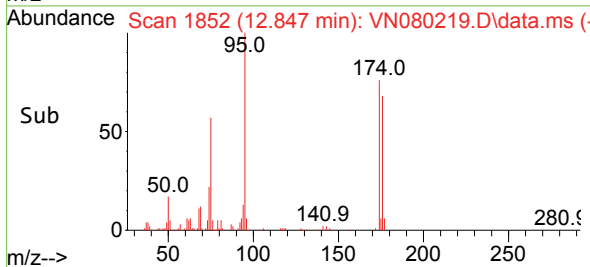
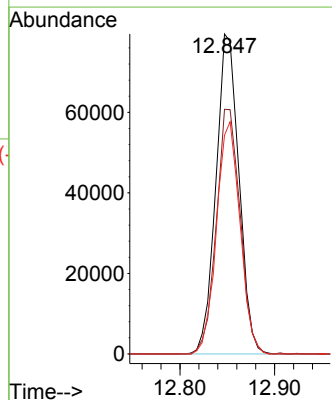
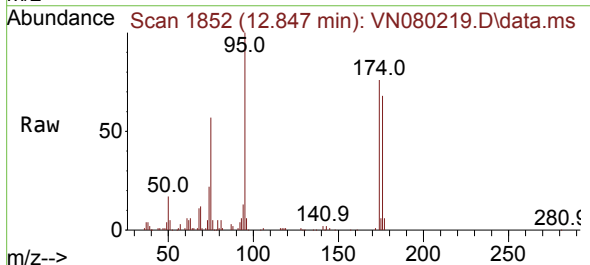
Instrument :
MSVOA_N
ClientSampleId :

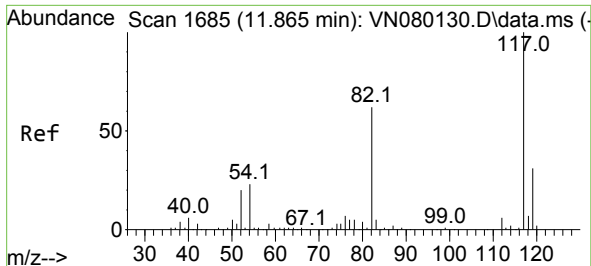
Tgt Ion: 43 Resp: 69188
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.254 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

Tgt Ion: 95 Resp: 134274
Ion Ratio Lower Upper
95 100
174 79.0 0.0 143.8
176 73.9 0.0 135.8

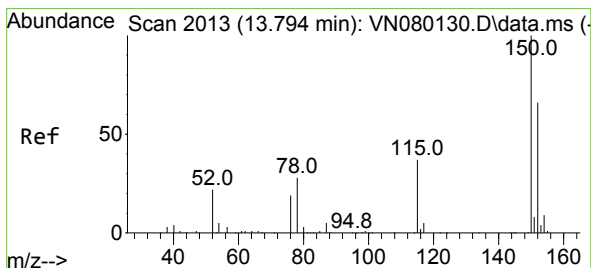
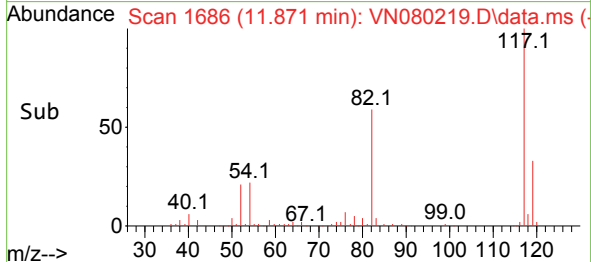
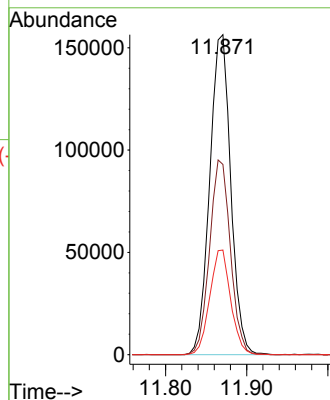
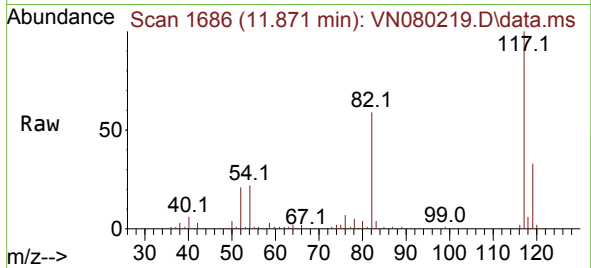




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

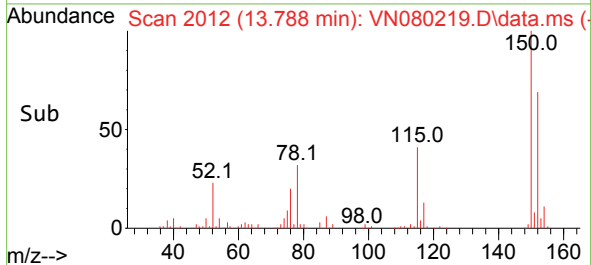
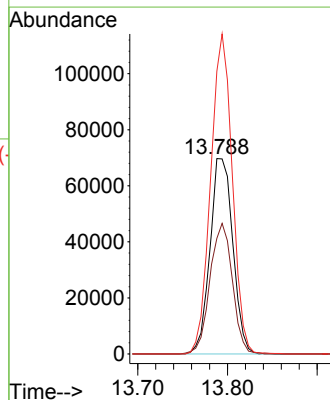
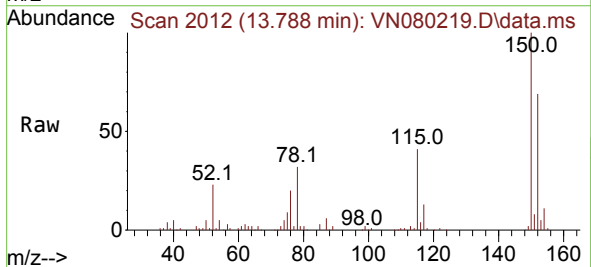
Instrument :
MSVOA_N
ClientSampleId :

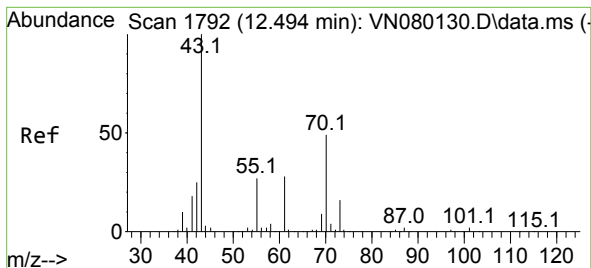
Tgt Ion:117 Resp: 281426
Ion Ratio Lower Upper
117 100
82 59.5 44.0 66.0
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

Tgt Ion:152 Resp: 123332
Ion Ratio Lower Upper
152 100
115 65.3 32.3 96.8
150 154.7 0.0 355.8





#74

N-amy1 acetate

Concen: 0.268 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

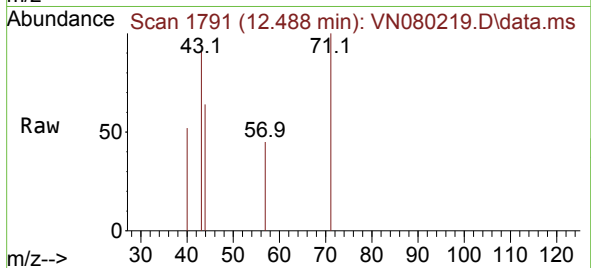
Lab File: VN080219.D

Acq: 20 Nov 2023 19:45

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 801

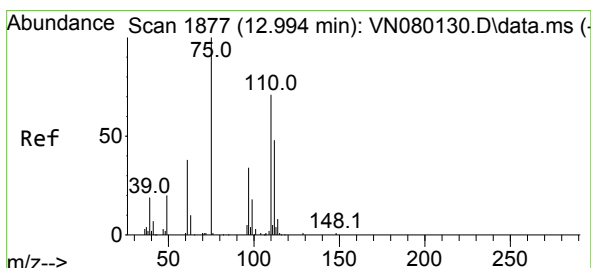
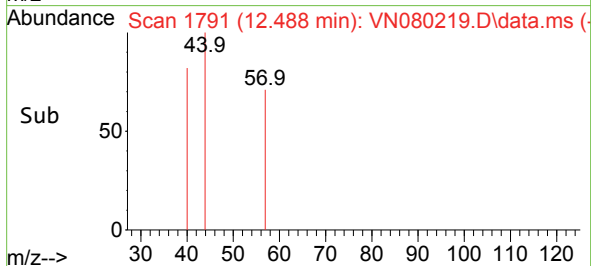
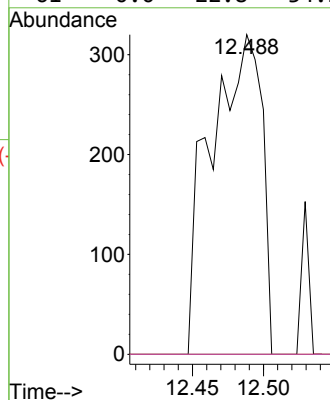
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 26.379 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080219.D

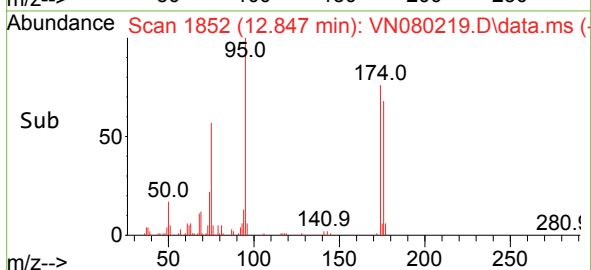
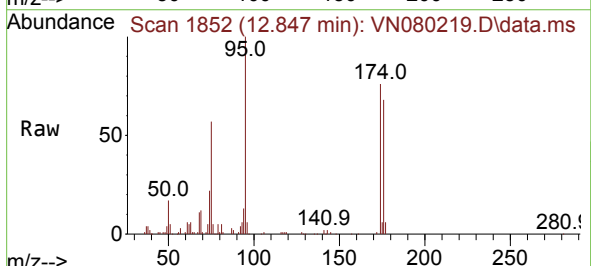
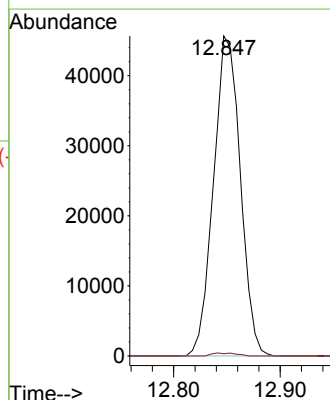
Acq: 20 Nov 2023 19:45

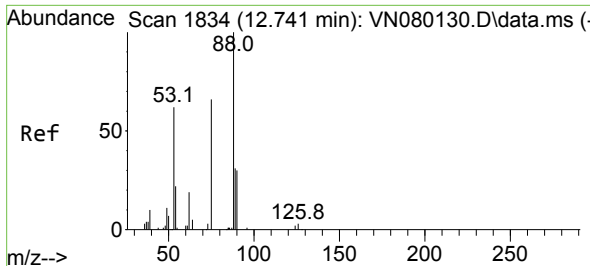
Tgt Ion: 75 Resp: 79714

Ion Ratio Lower Upper

75 100

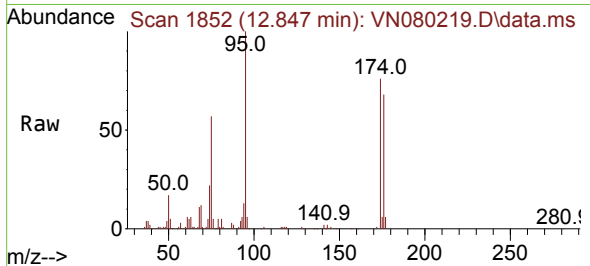
77 0.8 84.5 253.5#



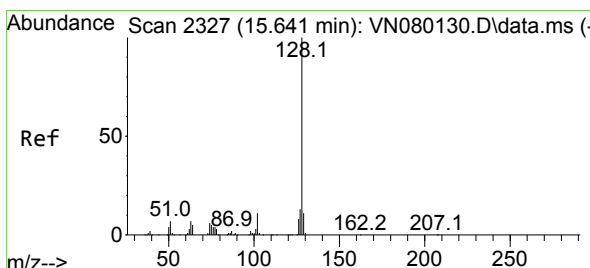
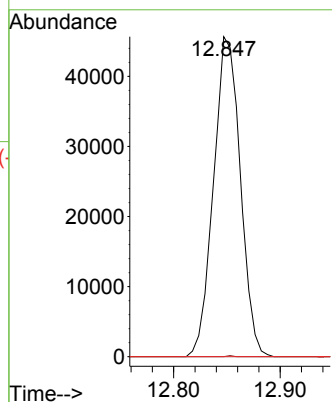
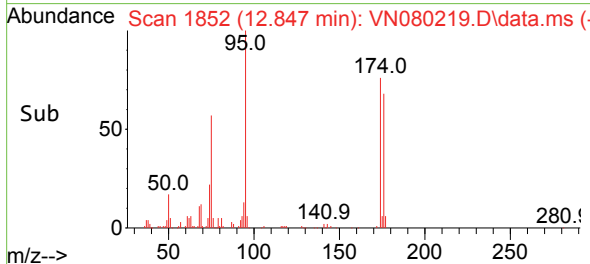


#81
trans-1,4-Dichloro-2-butene
Concen: 89.125 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 79714
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 1.504 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN080219.D
Acq: 20 Nov 2023 19:45

Tgt Ion: 128 Resp: 10568
Ion Ratio Lower Upper
128 100
127 14.8 10.0 15.0
129 10.8 8.7 13.1

