

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080205.D
 Acq On : 20 Nov 2023 14:12
 Operator : JC\MD
 Sample : PB157260TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:04:38 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

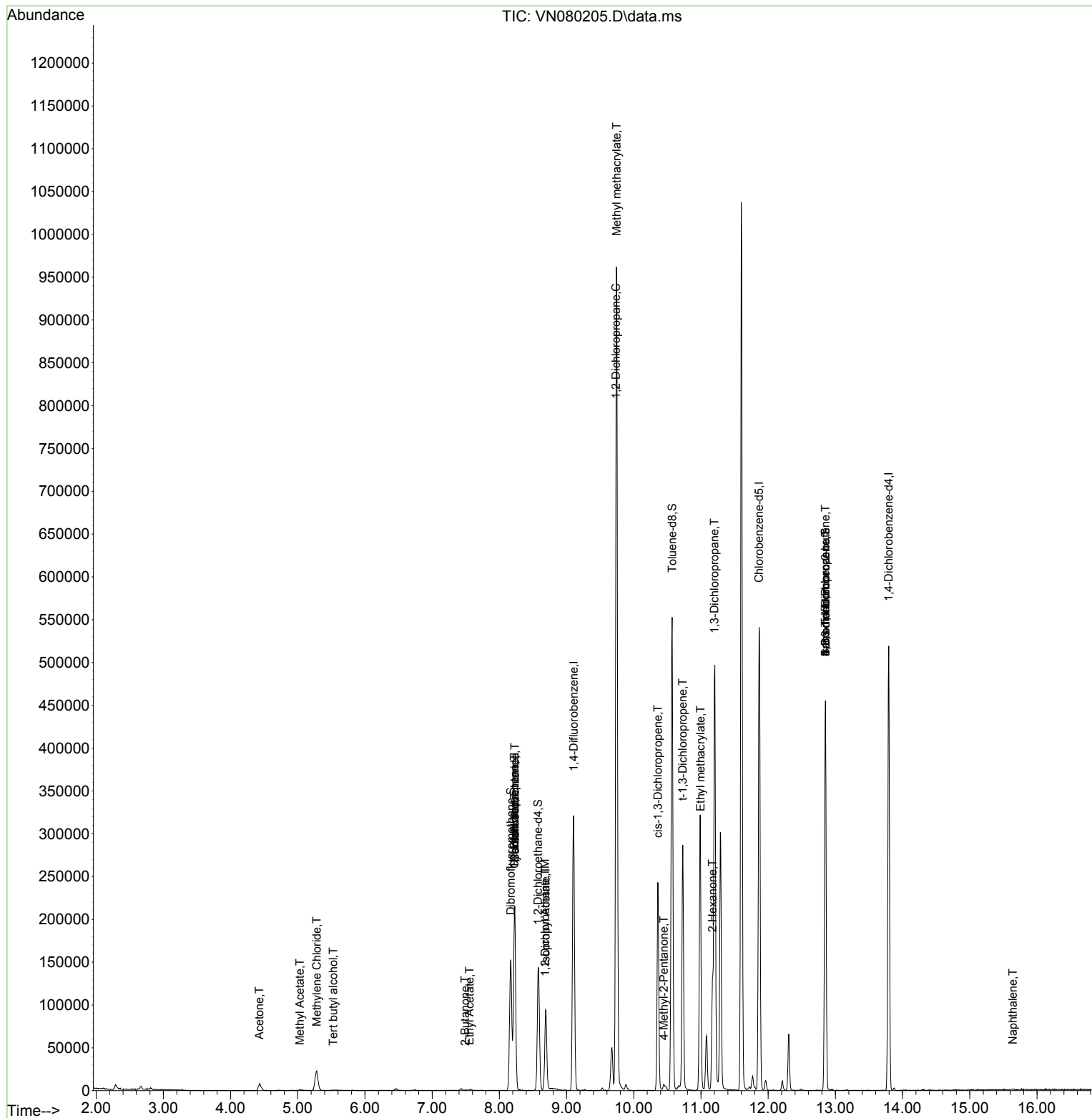
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	145793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	271421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	133073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135105	56.124	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.240%	
35) Dibromofluoromethane	8.171	113	104930	52.394	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.780%	
50) Toluene-d8	10.571	98	380863	52.755	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.520%	
62) 4-Bromofluorobenzene	12.853	95	153038	56.122	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.240%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.130	64	149	Below Cal	#	43
11) Tert butyl alcohol	5.530	59	58	0.219	ug/l #	72
16) Acetone	4.430	43	14774	18.272	ug/l	99
18) Methyl Acetate	5.030	43	1424	0.548	ug/l #	73
20) Methylene Chloride	5.283	84	19703	11.636	ug/l	92
25) 2-Butanone	7.488	43	622	0.647	ug/l #	37
31) Cyclohexane	8.224	56	3421	1.307	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	12538	4.324	ug/l #	52
37) Ethyl Acetate	7.559	43	919	0.457	ug/l #	63
38) Carbon Tetrachloride	8.230	117	17270	4.694	ug/l #	19
42) 1,2-Dichloroethane	8.682	62	921	0.273	ug/l #	73
43) Isopropyl Acetate	8.688	43	101792	26.008	ug/l #	87
45) 1,2-Dichloropropane	9.735	63	1302	0.680	ug/l #	45
48) Methyl methacrylate	9.747	41	94856	47.029	ug/l #	31
51) 4-Methyl-2-Pentanone	10.447	43	7965	3.931	ug/l #	68
53) t-1,3-Dichloropropene	10.729	75	882	0.269	ug/l #	1
54) cis-1,3-Dichloropropene	10.359	75	44645	13.338	ug/l #	68
56) Ethyl methacrylate	10.994	69	1594	0.793	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5442	1.583	ug/l #	42
59) 2-Hexanone	11.171	43	89682	55.079	ug/l #	19
71) Bromoform	12.853	173	475	0.235	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	88391	27.110	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	88391	91.592	ug/l #	15
95) Naphthalene	15.641	128	1732	0.228	ug/l #	70

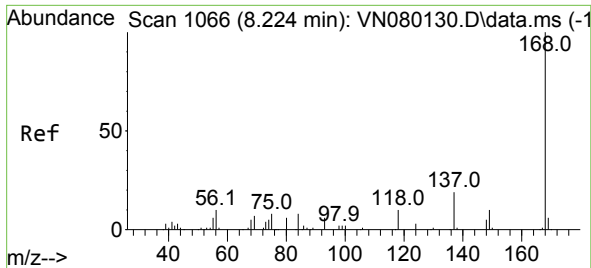
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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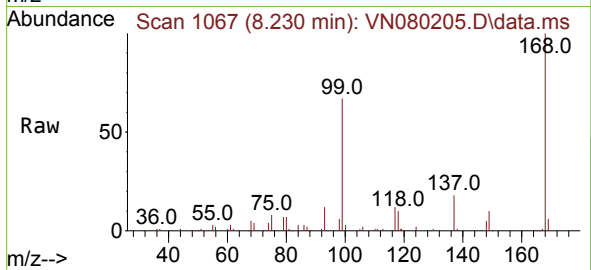
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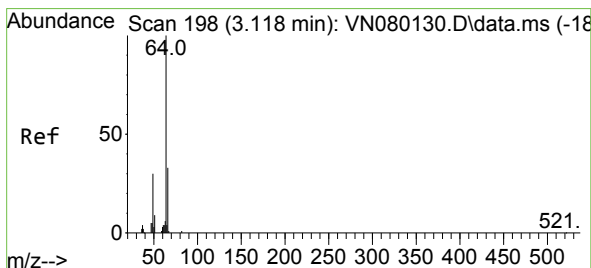
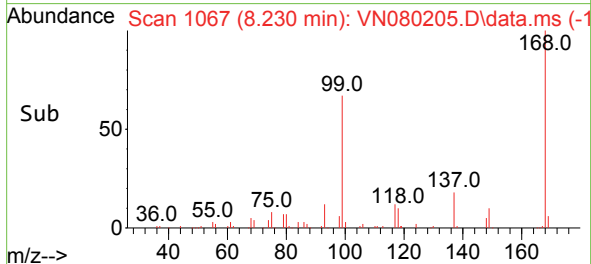
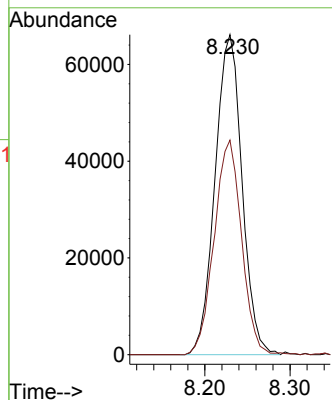


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

Instrument :
MSVOA_N
ClientSampleId :

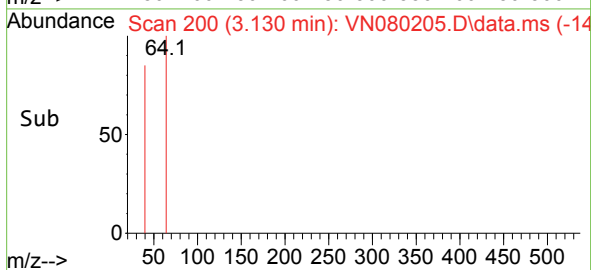
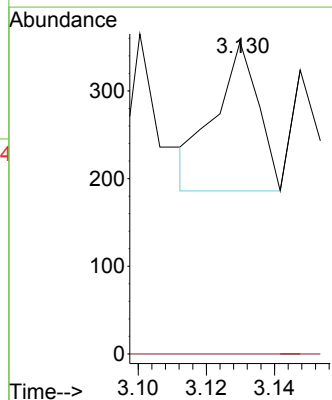
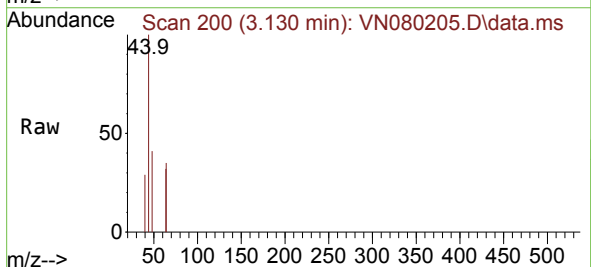


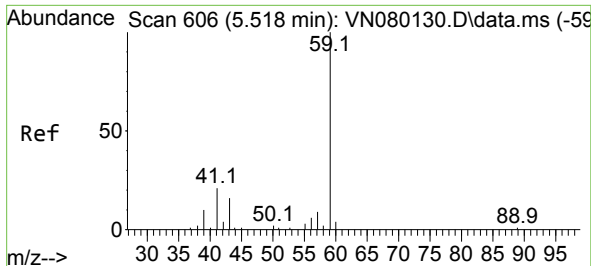
Tgt Ion:168 Resp: 145793
Ion Ratio Lower Upper
168 100
99 67.0 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

Tgt Ion: 64 Resp: 149
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

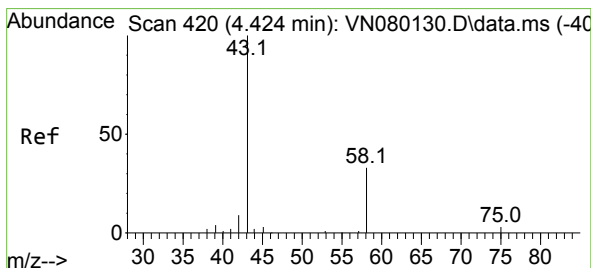
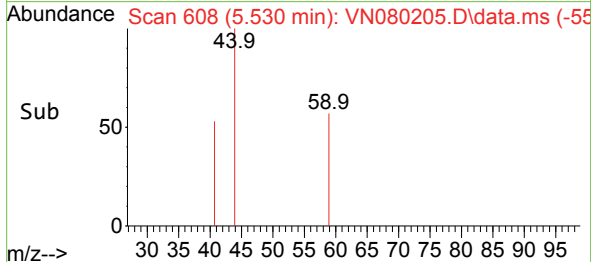
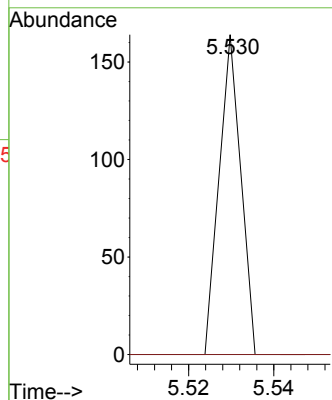
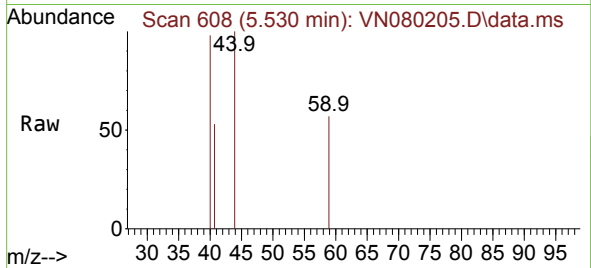




#11
Tert butyl alcohol
Concen: 0.219 ug/l
RT: 5.530 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

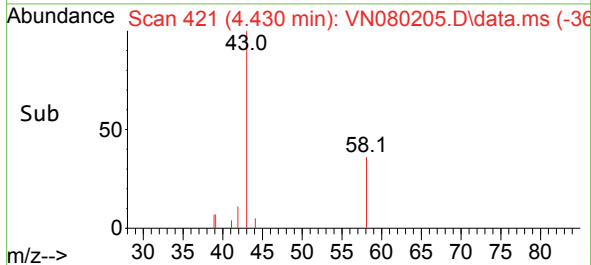
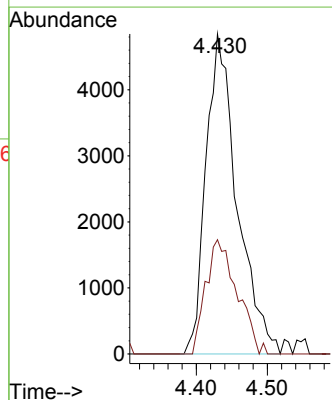
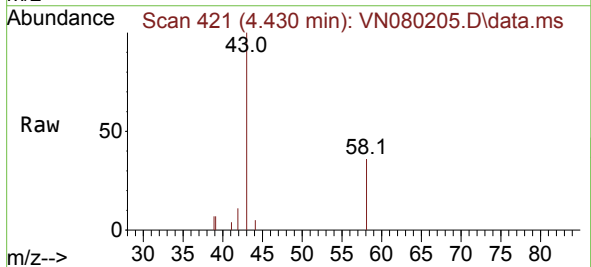
Instrument :
MSVOA_N
ClientSampleId :

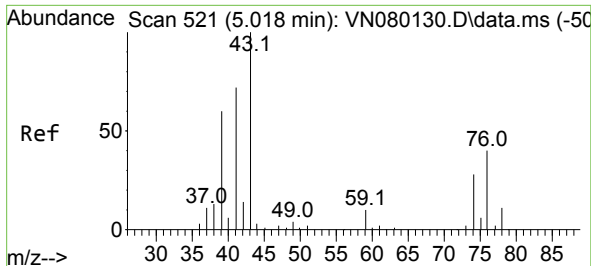
Tgt Ion: 59 Resp: 58
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 18.272 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

Tgt Ion: 43 Resp: 14774
Ion Ratio Lower Upper
43 100
58 35.7 28.0 42.0





#18

Methyl Acetate

Concen: 0.548 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN080205.D

Acq: 20 Nov 2023 14:12

Instrument :

MSVOA_N

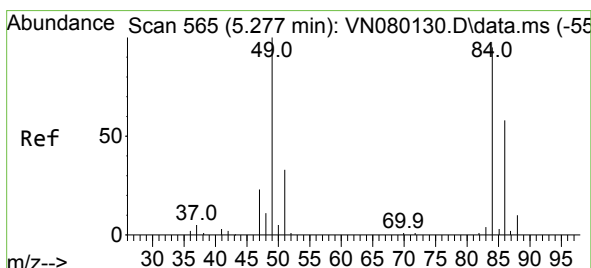
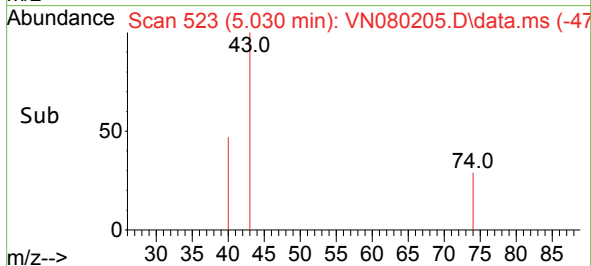
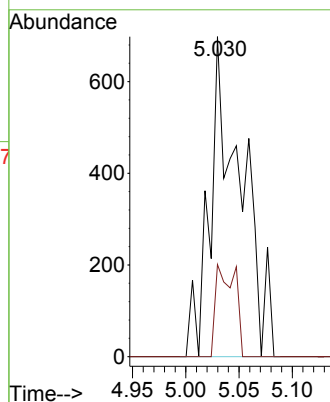
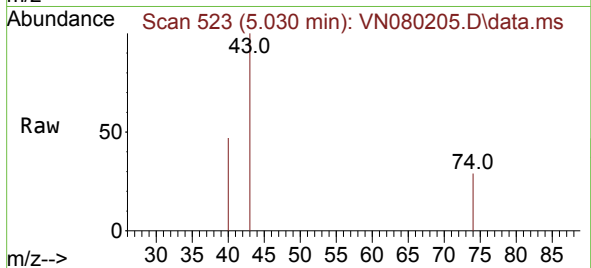
ClientSampleId :

Tgt Ion: 43 Resp: 1424

Ion Ratio Lower Upper

43 100

74 17.6 26.2 39.4#



#20

Methylene Chloride

Concen: 11.636 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN080205.D

Acq: 20 Nov 2023 14:12

Tgt Ion: 84 Resp: 19703

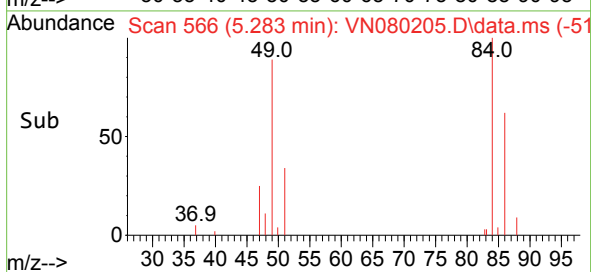
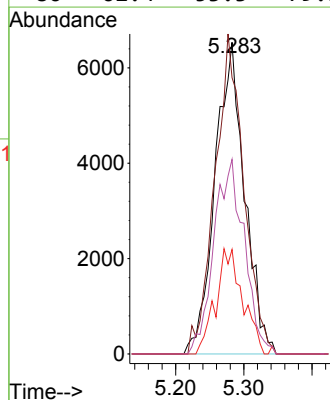
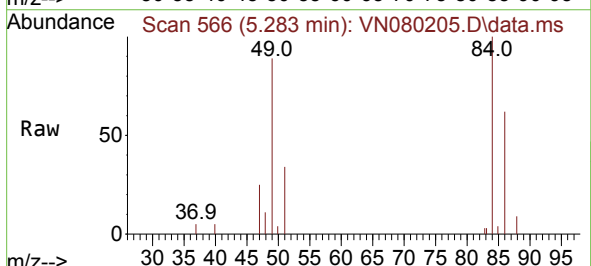
Ion Ratio Lower Upper

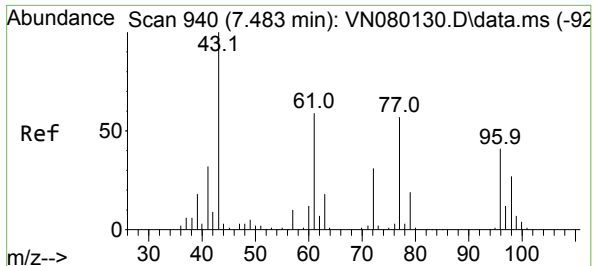
84 100

49 88.6 79.7 119.5

51 33.5 25.2 37.8

86 62.4 53.3 79.9

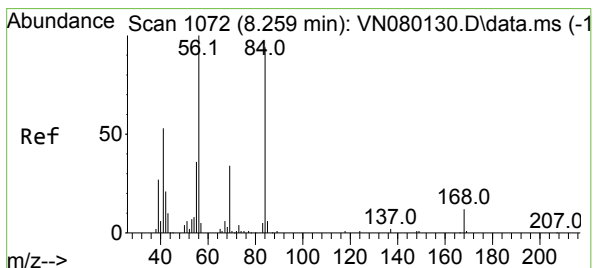
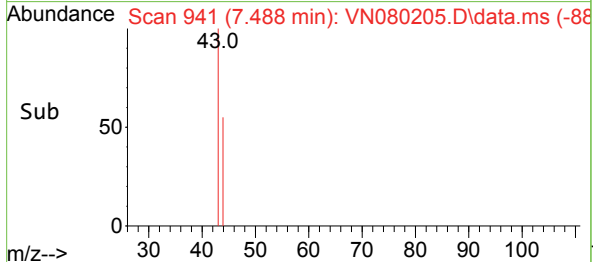
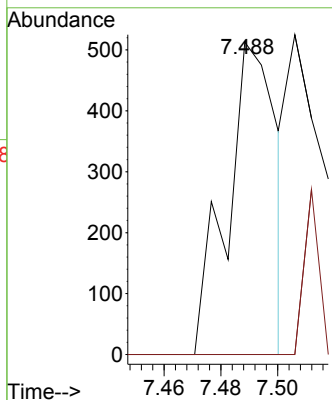
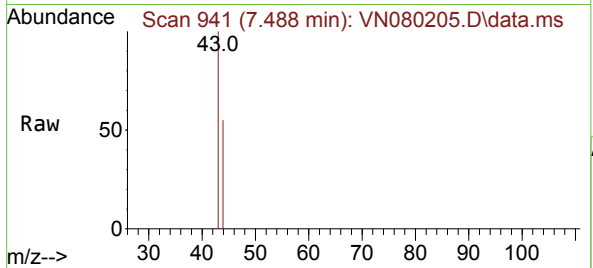




#25
2-Butanone
Concen: 0.647 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

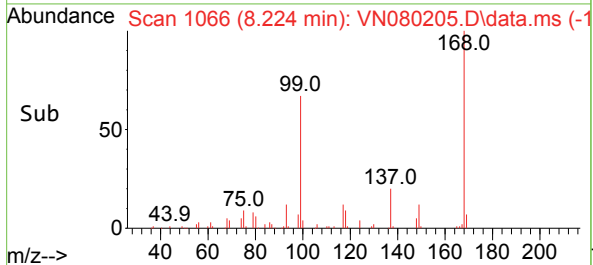
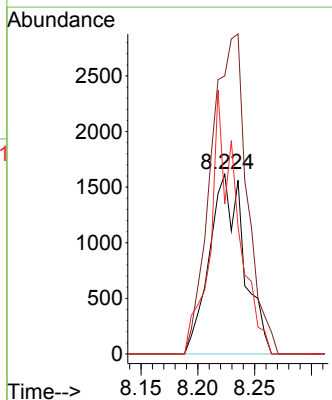
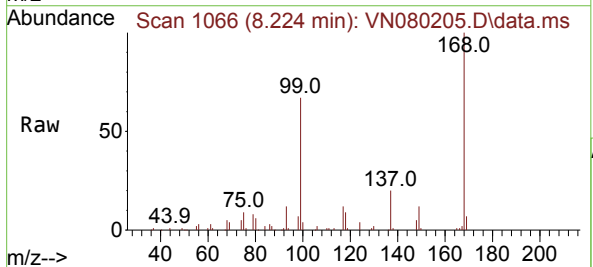
Instrument :
MSVOA_N
ClientSampleId :

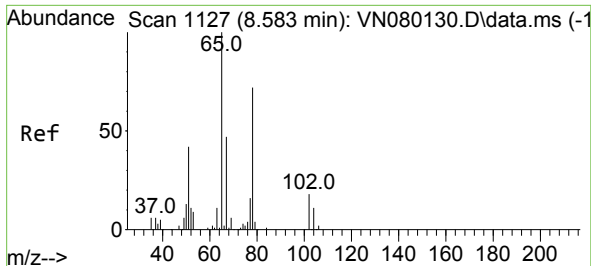
Tgt Ion: 43 Resp: 622
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.307 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

Tgt Ion: 56 Resp: 3421
Ion Ratio Lower Upper
56 100
69 154.8 26.8 40.2#
84 83.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 56.124 ug/l

RT: 8.577 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN080205.D

Acq: 20 Nov 2023 14:12

Instrument :

MSVOA_N

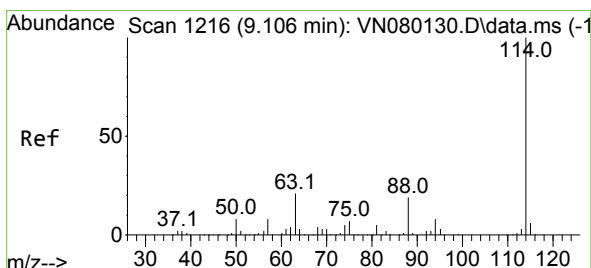
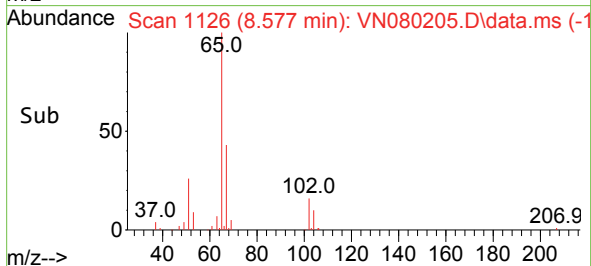
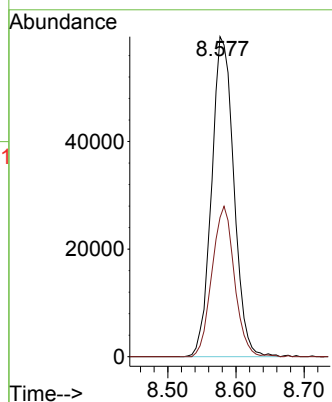
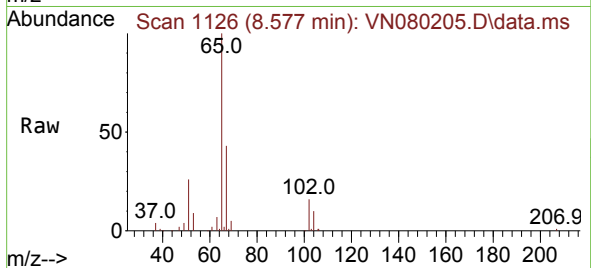
ClientSampleId :

Tgt Ion: 65 Resp: 135105

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# 1216

Delta R.T. -0.000 min

Lab File: VN080205.D

Acq: 20 Nov 2023 14:12

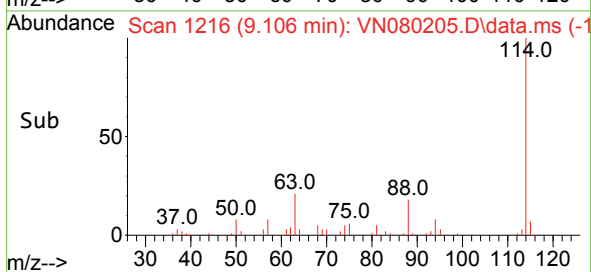
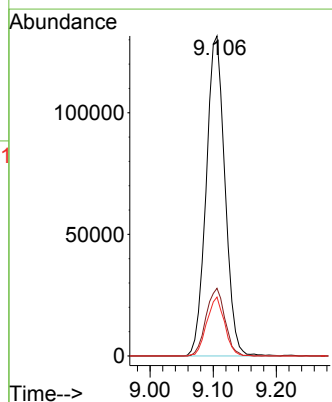
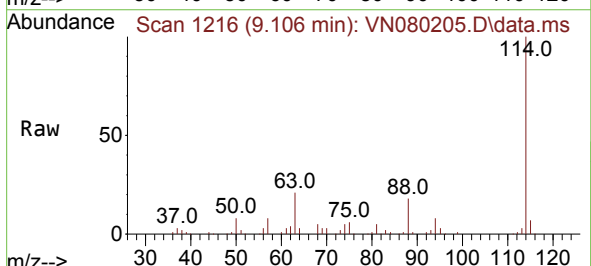
Tgt Ion:114 Resp: 271421

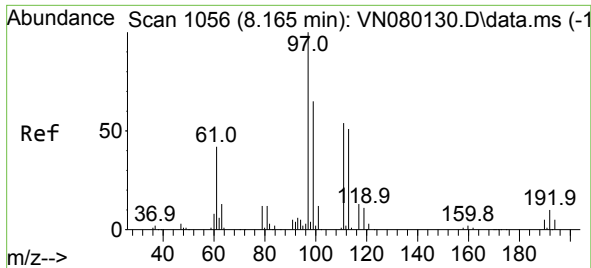
Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.4

88 18.4 0.0 30.6

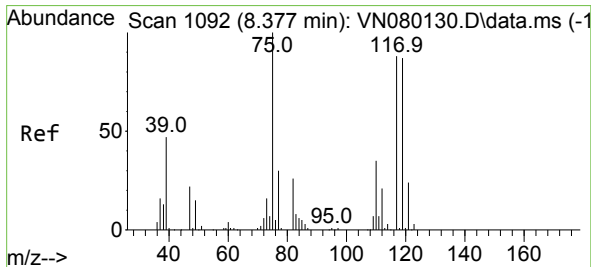
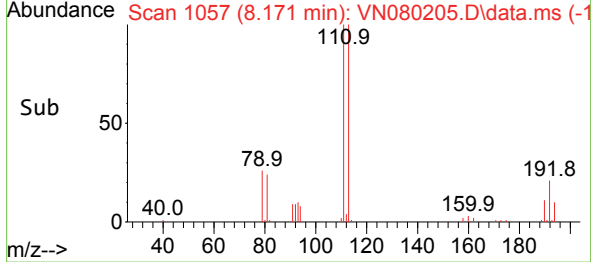
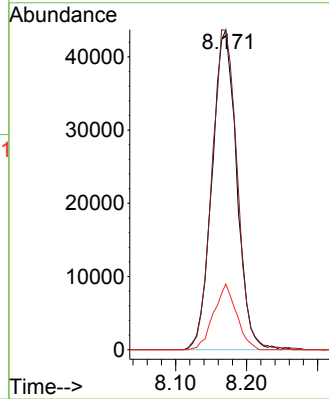
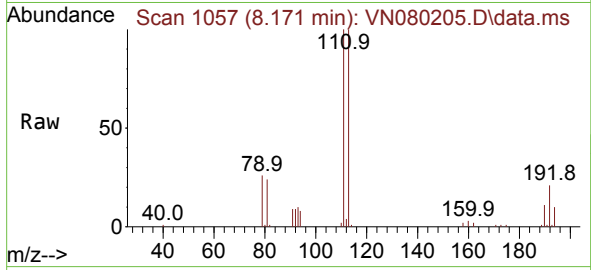




#35
Dibromofluoromethane
Concen: 52.394 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

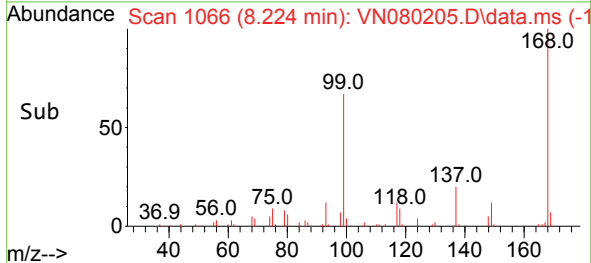
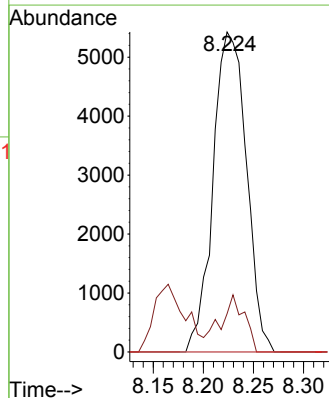
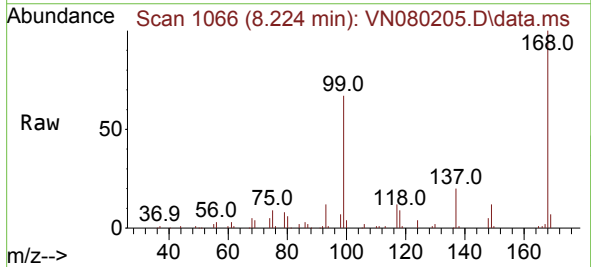
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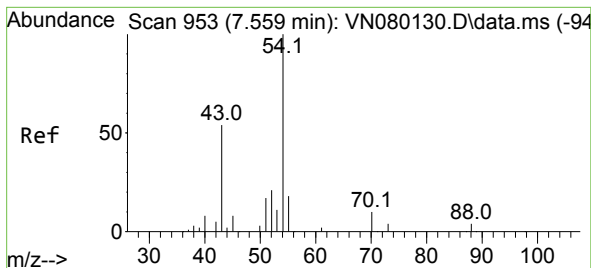
Tgt Ion:113 Resp: 104930
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 19.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.324 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

Tgt Ion: 75 Resp: 12538
Ion Ratio Lower Upper
75 100
110 13.0 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.457 ug/l

RT: 7.559 min Scan# 919

Delta R.T. -0.000 min

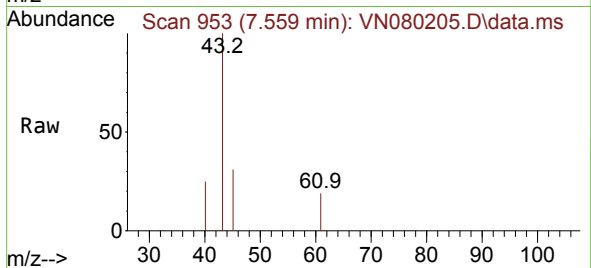
Lab File: VN080205.D

Acq: 20 Nov 2023 14:12

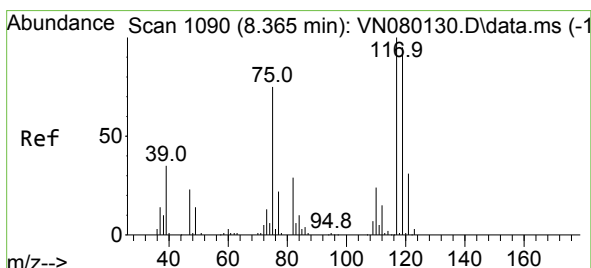
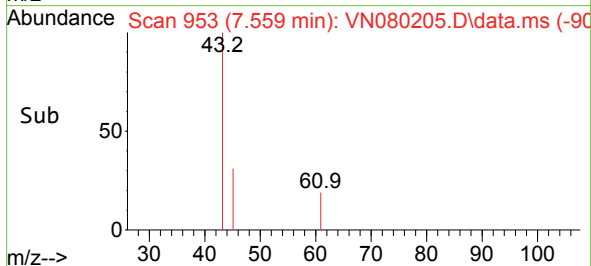
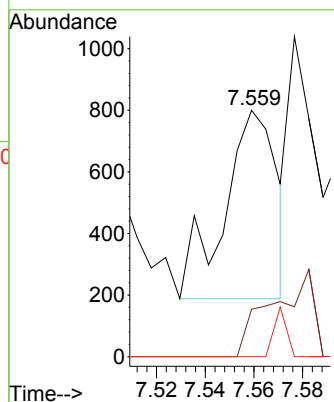
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 919
Ion Ratio	Lower Upper
43 100	
61 0.0	13.2 19.8#
70 0.0	11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.694 ug/l

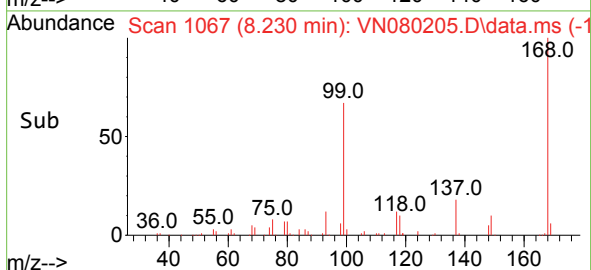
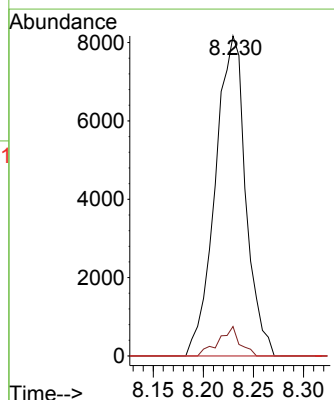
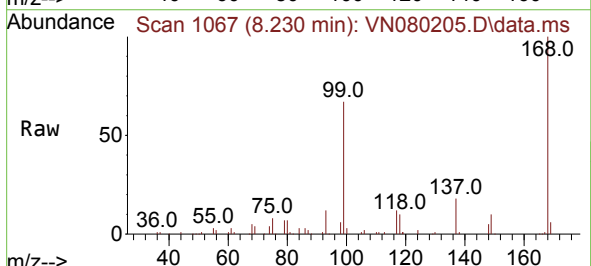
RT: 8.230 min Scan# 1067

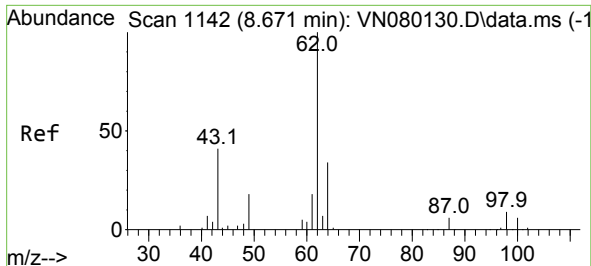
Delta R.T. -0.135 min

Lab File: VN080205.D

Acq: 20 Nov 2023 14:12

Tgt Ion:117	Resp:	17270	
Ion	Ratio	Lower	Upper
117	100		
119	9.2	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.273 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN080205.D

Acq: 20 Nov 2023 14:12

Instrument :

MSVOA_N

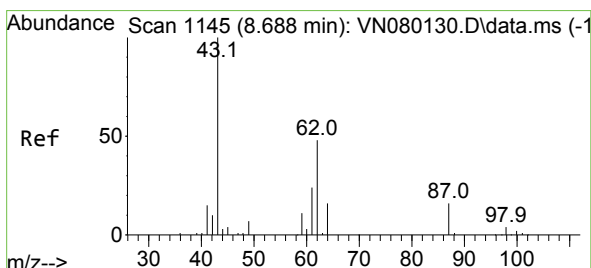
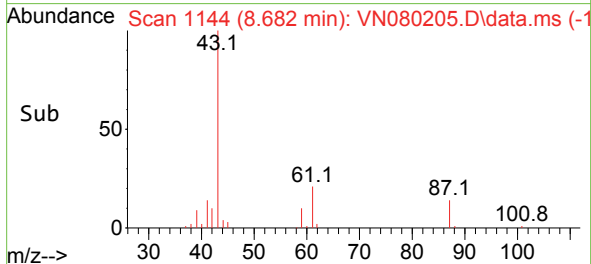
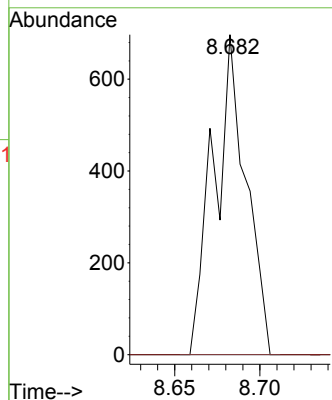
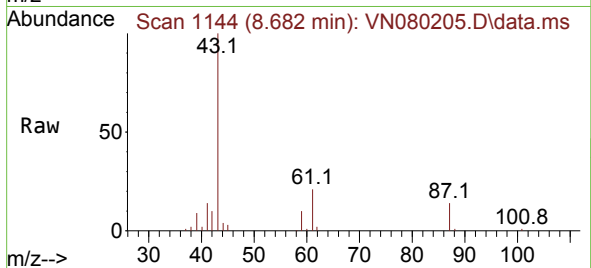
ClientSampleId :

Tgt Ion: 62 Resp: 921

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 26.008 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN080205.D

Acq: 20 Nov 2023 14:12

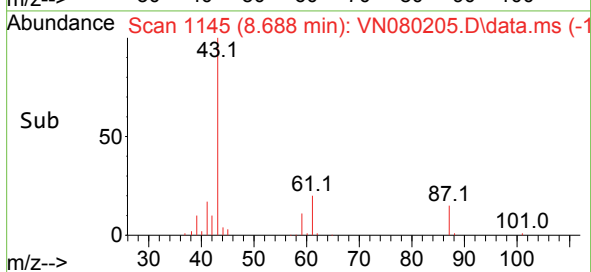
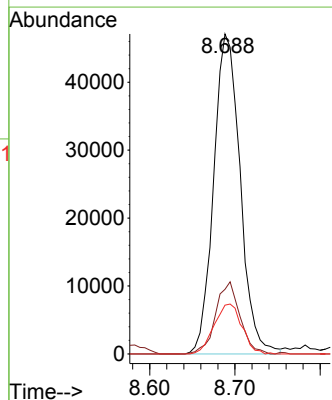
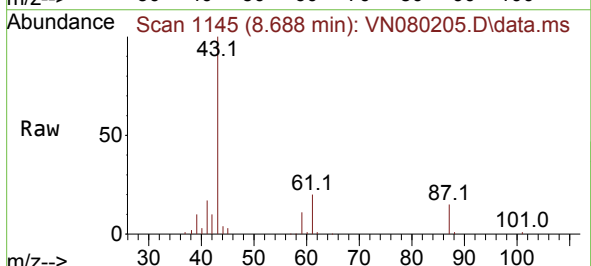
Tgt Ion: 43 Resp: 101792

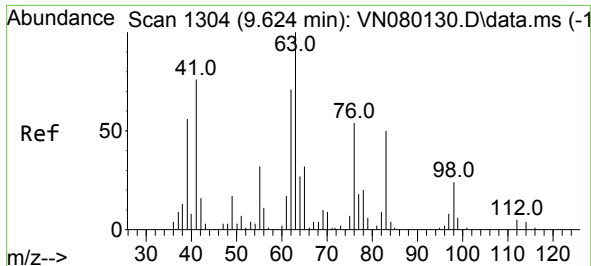
Ion Ratio Lower Upper

43 100

61 20.7 24.7 37.1#

87 16.4 14.6 21.8





#45

1,2-Dichloropropane

Concen: 0.680 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.112 min

Lab File: VN080205.D

Acq: 20 Nov 2023 14:12

Instrument :

MSVOA_N

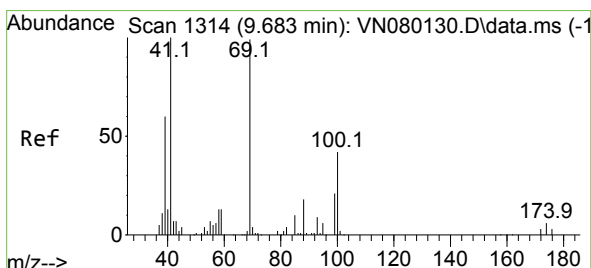
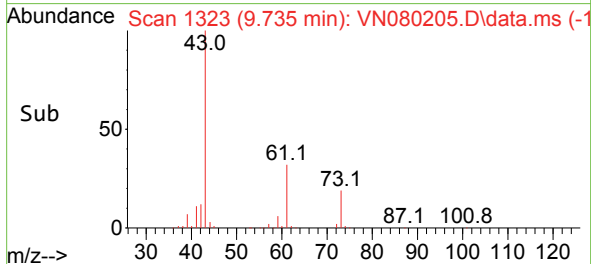
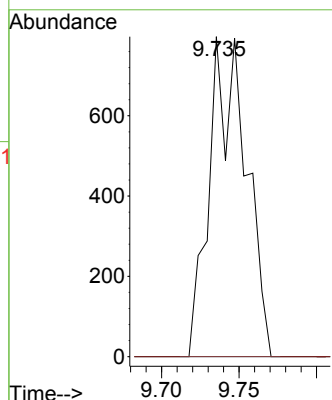
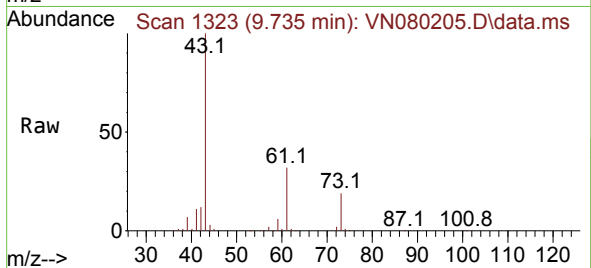
ClientSampleId :

Tgt Ion: 63 Resp: 1302

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 47.029 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN080205.D

Acq: 20 Nov 2023 14:12

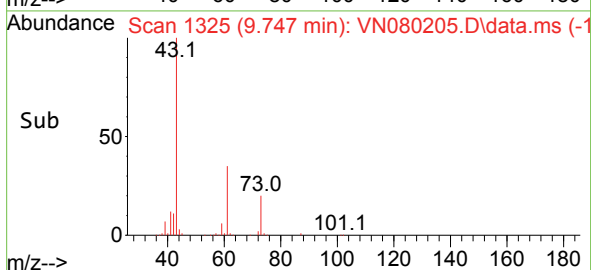
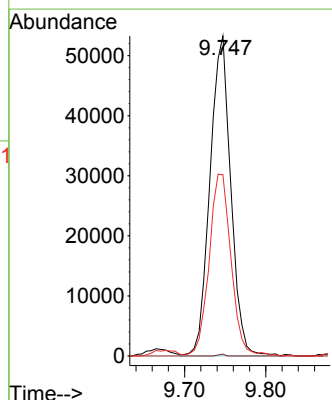
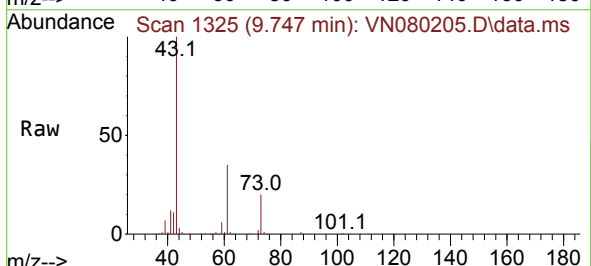
Tgt Ion: 41 Resp: 94856

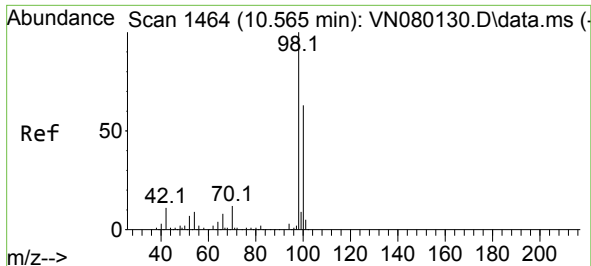
Ion Ratio Lower Upper

41 100

69 0.2 90.4 135.6#

39 59.9 54.6 81.8

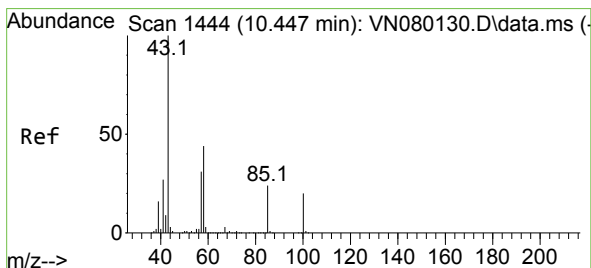
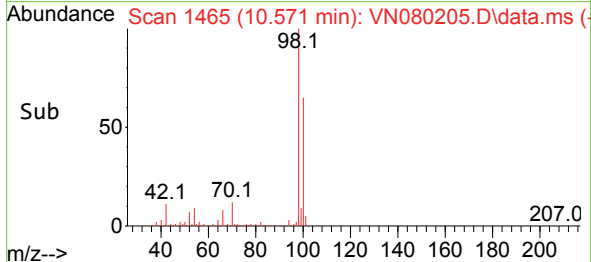
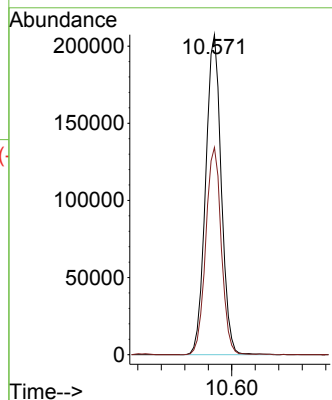
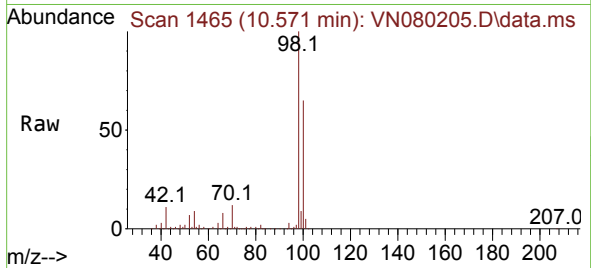




#50
Toluene-d8
Concen: 52.755 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

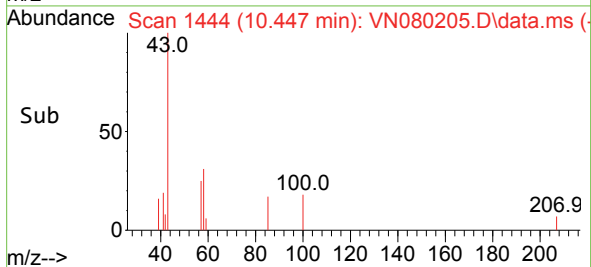
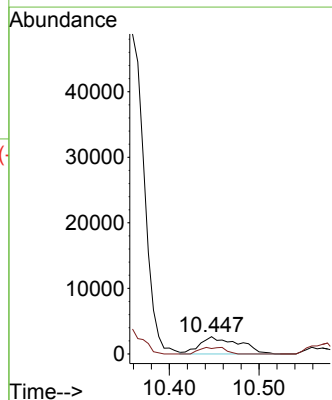
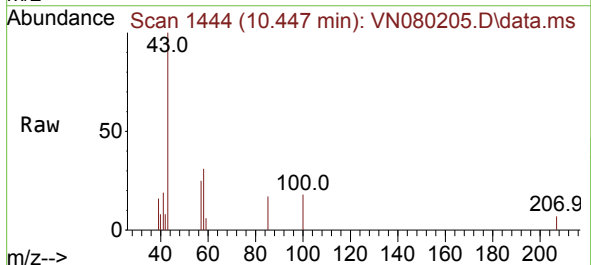
Instrument :
MSVOA_N
ClientSampleId :

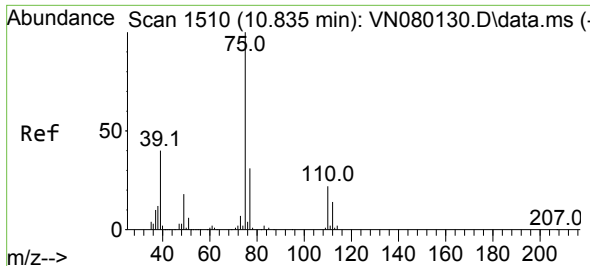
Tgt Ion: 98 Resp: 380863
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.931 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

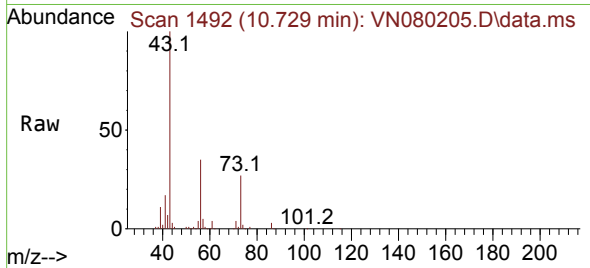
Tgt Ion: 43 Resp: 7965
Ion Ratio Lower Upper
43 100
58 24.8 36.6 54.8#



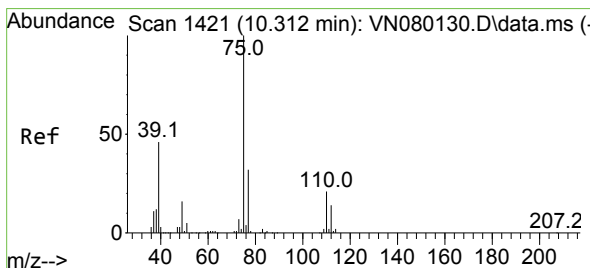
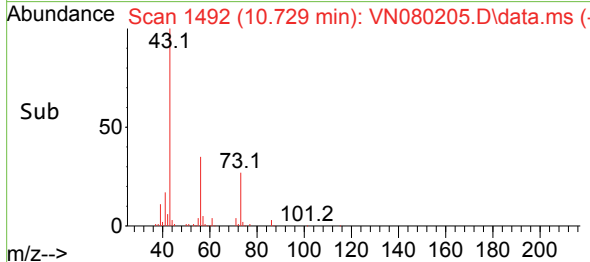
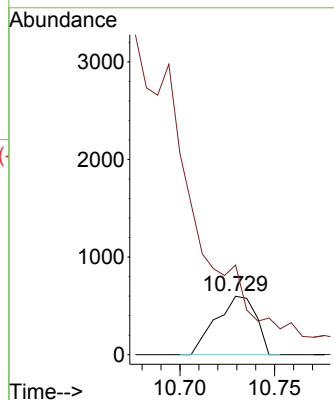


#53
 t-1,3-Dichloropropene
 Concen: 0.269 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN080205.D
 Acq: 20 Nov 2023 14:12

Instrument :
 MSVOA_N
 ClientSampleId :

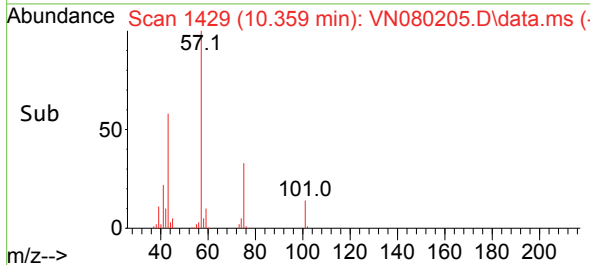
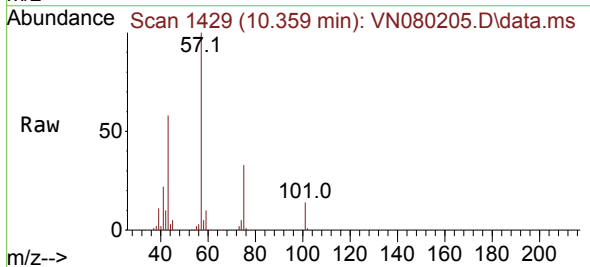
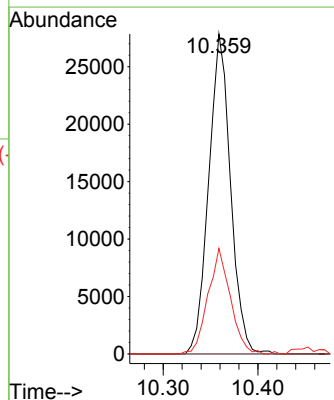


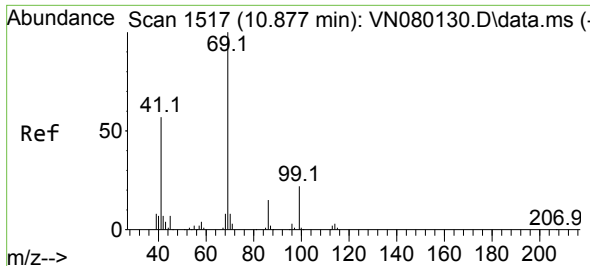
Tgt Ion: 75 Resp: 882
 Ion Ratio Lower Upper
 75 100
 77 109.5 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.338 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080205.D
 Acq: 20 Nov 2023 14:12

Tgt Ion: 75 Resp: 44645
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 33.0 31.6 47.4

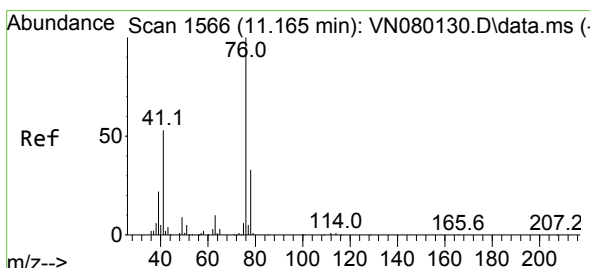
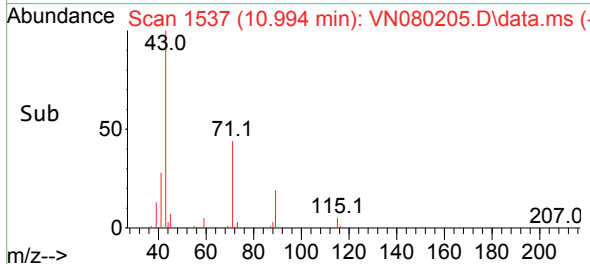
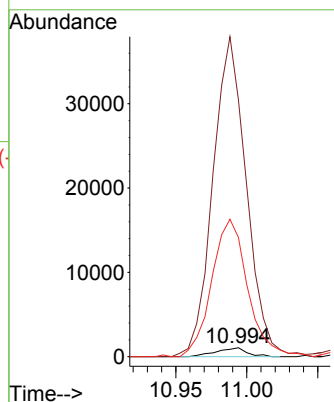
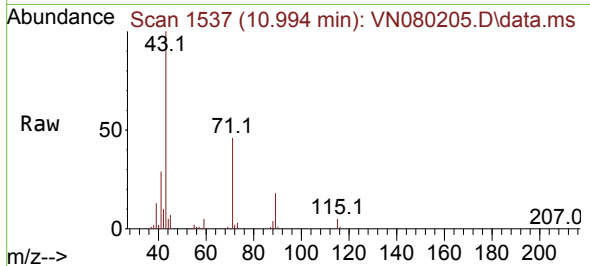




#56
Ethyl methacrylate
Concen: 0.793 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

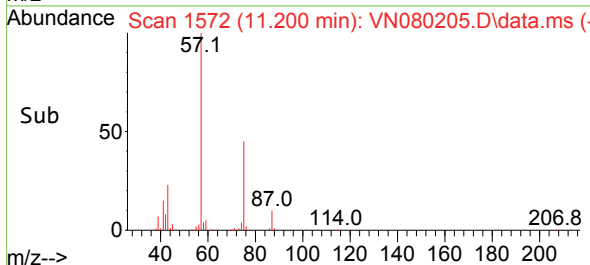
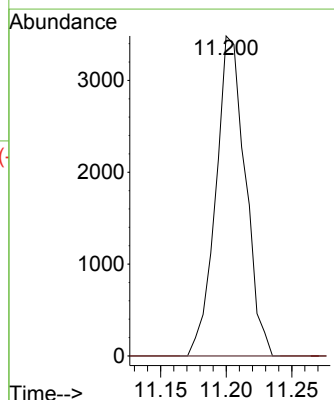
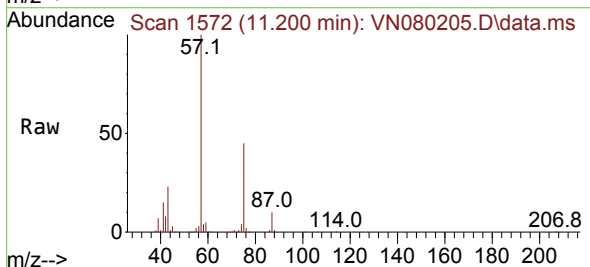
Instrument :
MSVOA_N
ClientSampleId :

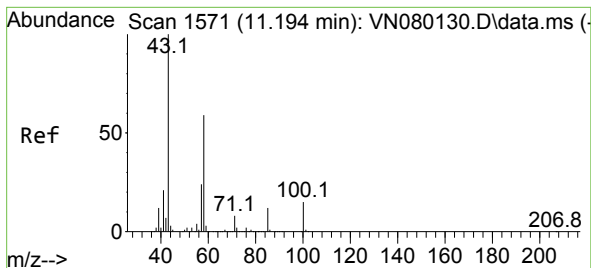
Tgt Ion: 69 Resp: 1594
Ion Ratio Lower Upper
69 100
41 3904.6 39.6 59.4#
39 1805.5 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.583 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

Tgt Ion: 76 Resp: 5442
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

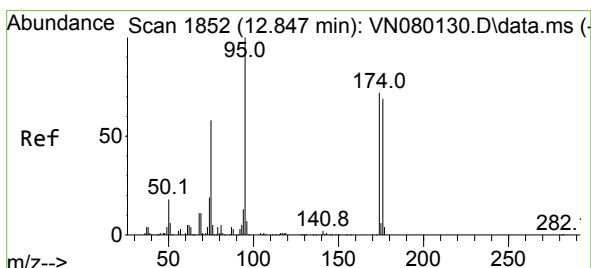
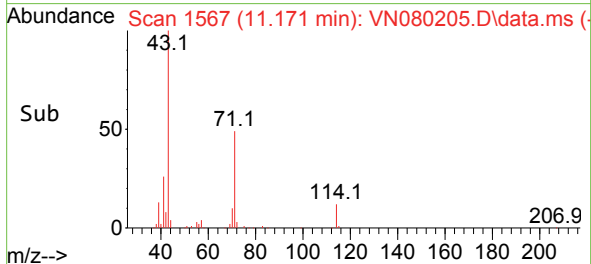
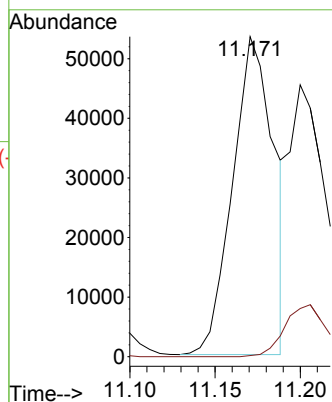
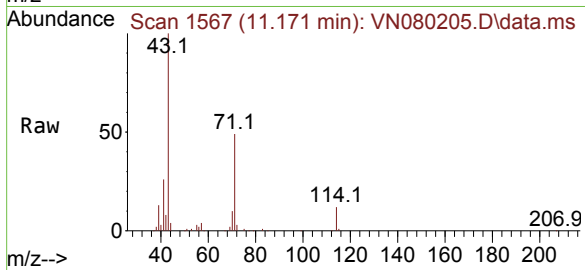




#59
2-Hexanone
Concen: 55.079 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

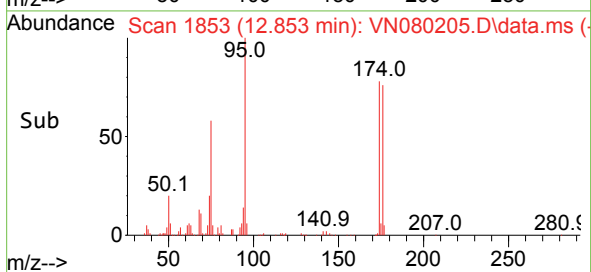
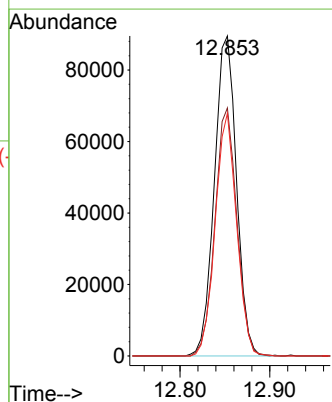
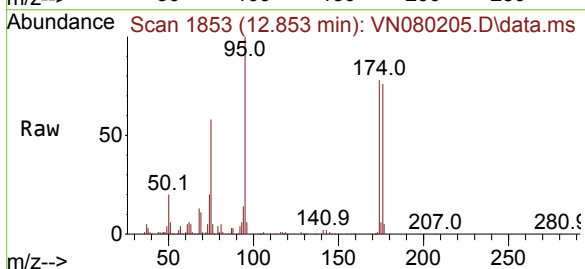
Instrument :
MSVOA_N
ClientSampleId :

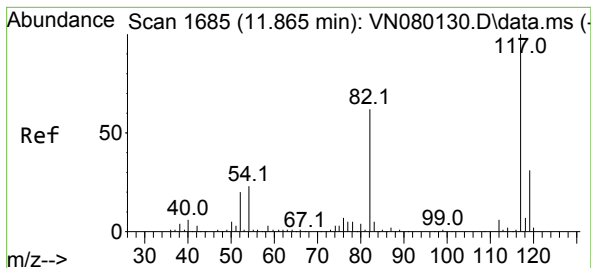
Tgt Ion: 43 Resp: 89682
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 56.122 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

Tgt Ion: 95 Resp: 153038
Ion Ratio Lower Upper
95 100
174 77.0 0.0 143.8
176 73.3 0.0 135.8

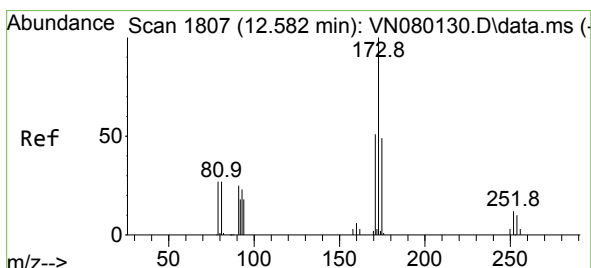
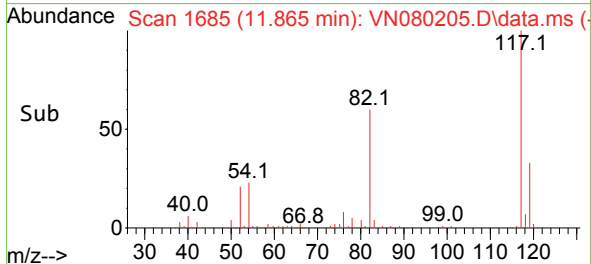
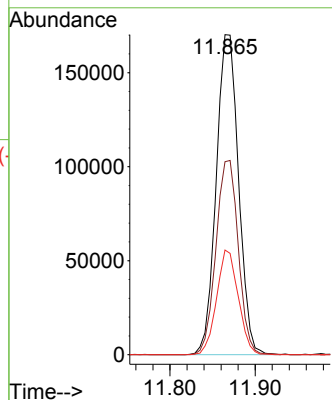
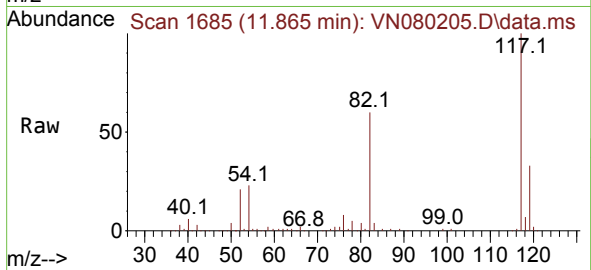




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

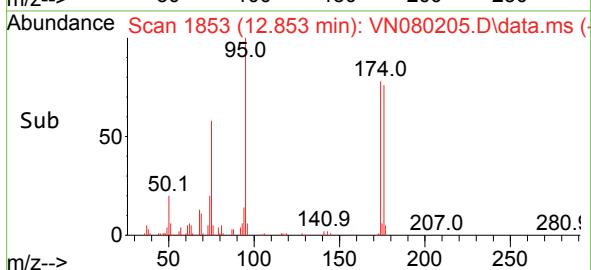
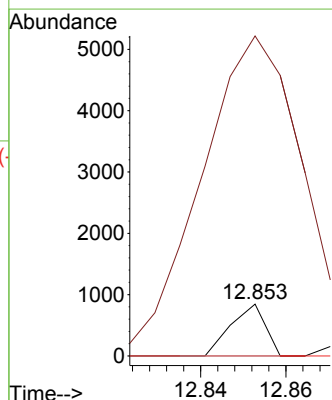
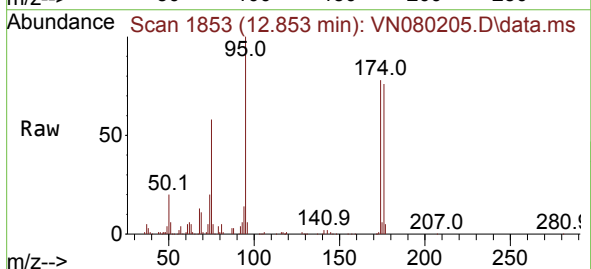
Instrument :
MSVOA_N
ClientSampleId :

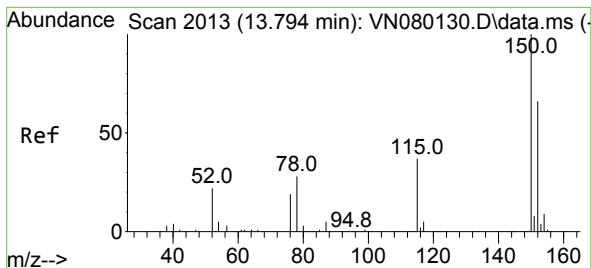
Tgt Ion:117 Resp: 309825
Ion Ratio Lower Upper
117 100
82 60.3 44.0 66.0
119 32.7 25.6 38.4



#71
Bromoform
Concen: 0.235 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN080205.D
Acq: 20 Nov 2023 14:12

Tgt Ion:173 Resp: 475
Ion Ratio Lower Upper
173 100
175 1497.7 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: VN080205.D

Acq: 20 Nov 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

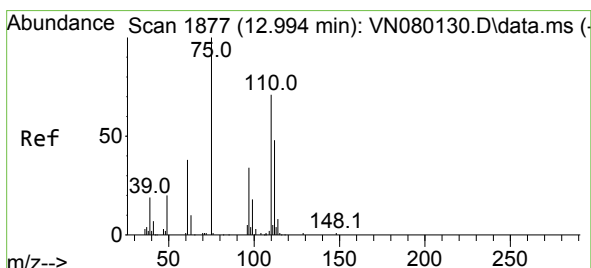
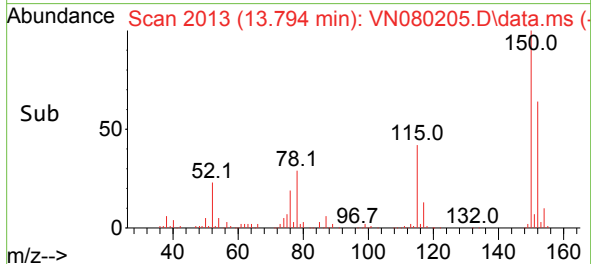
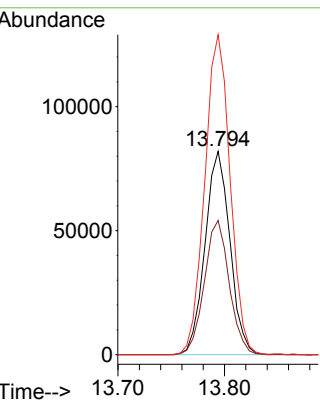
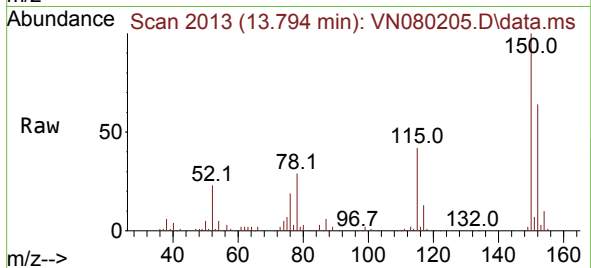
Tgt Ion:152 Resp: 133073

Ion Ratio Lower Upper

152 100

115 66.0 32.3 96.8

150 160.6 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 27.110 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080205.D

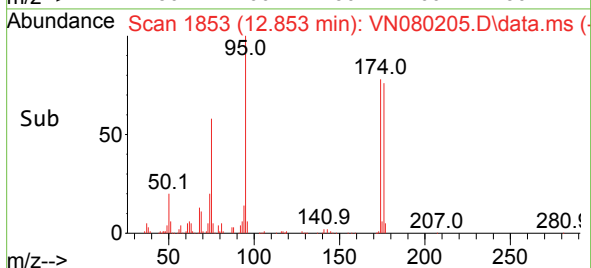
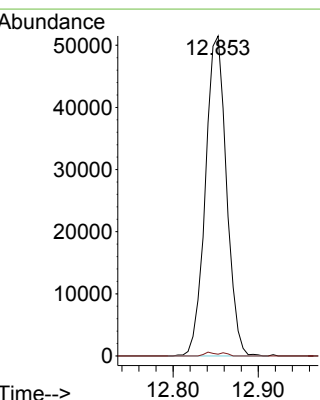
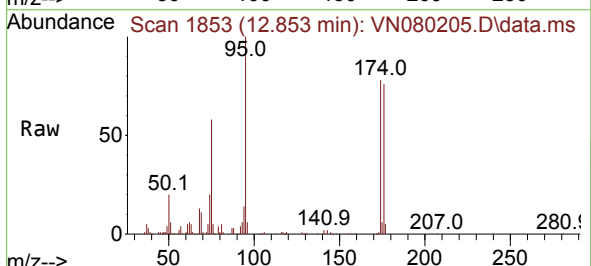
Acq: 20 Nov 2023 14:12

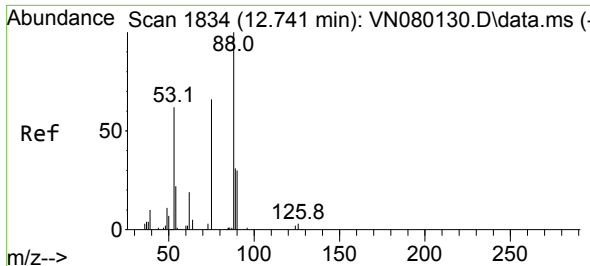
Tgt Ion: 75 Resp: 88391

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#

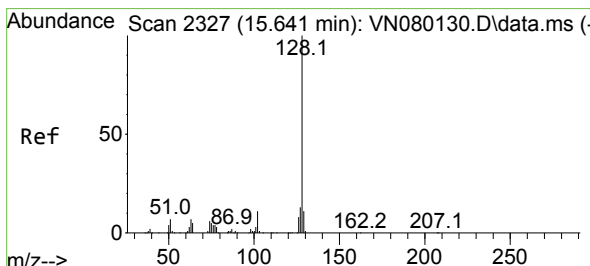
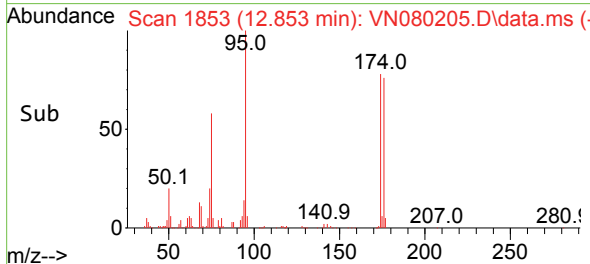
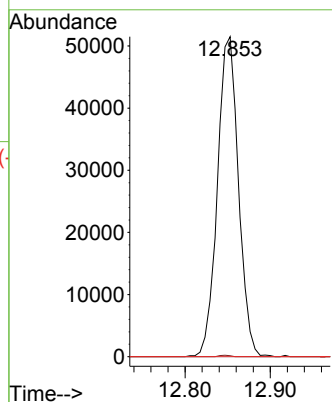
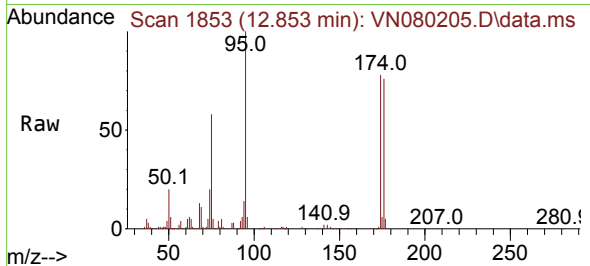




#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.592 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN080205.D
 Acq: 20 Nov 2023 14:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 88391
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.4 101.2#
 89 0.0 38.8 58.2#



#95
 Naphthalene
 Concen: 0.228 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. -0.000 min
 Lab File: VN080205.D
 Acq: 20 Nov 2023 14:12

Tgt Ion: 128 Resp: 1732
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 0.0 8.7 13.1#

