

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080207.D
 Acq On : 20 Nov 2023 15:00
 Operator : JC\MD
 Sample : PB157250ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:05:32 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)

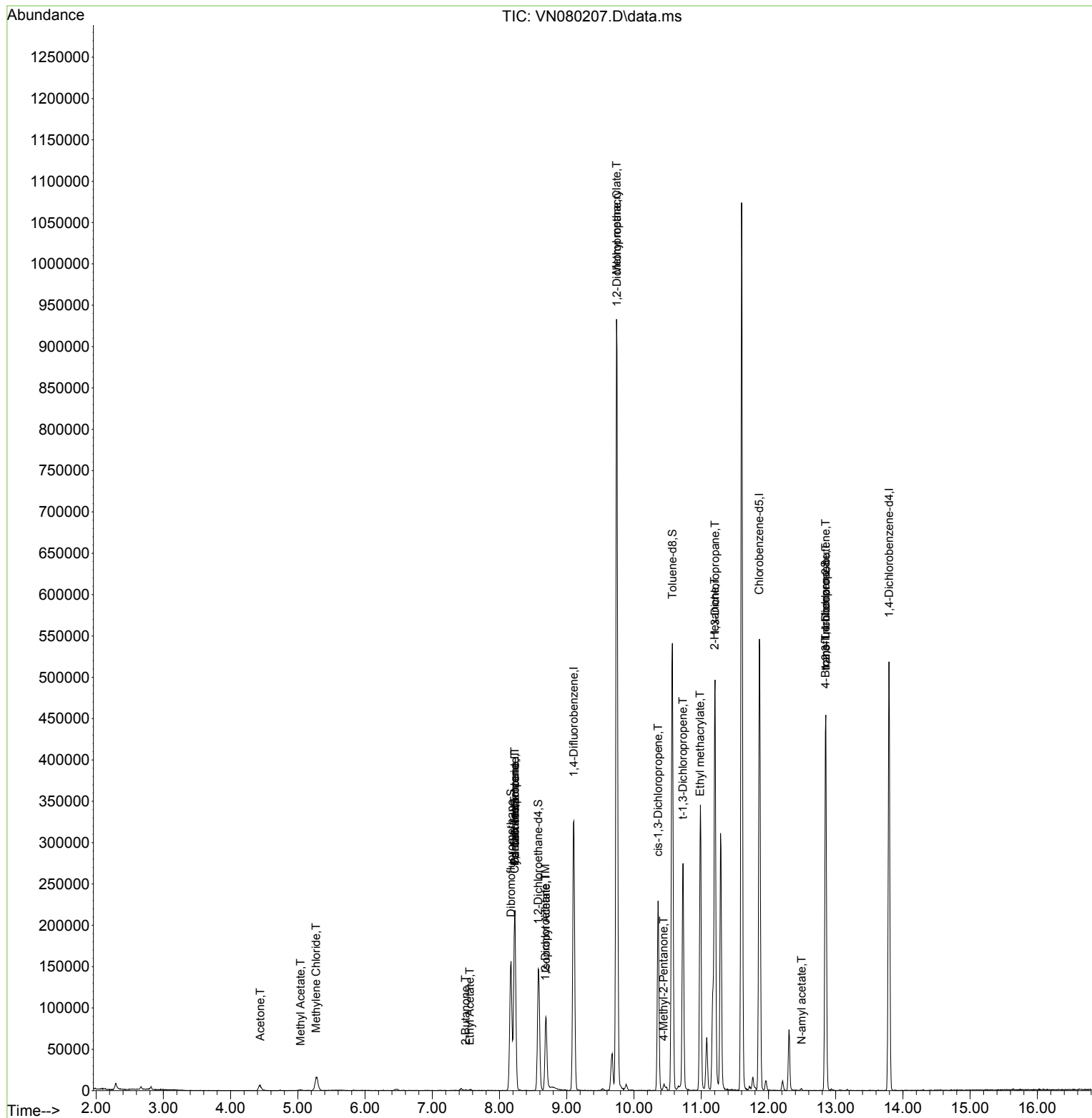
Internal Standards						
1) Pentafluorobenzene	8.230	168	147917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	271875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138622	56.758	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.520%	
35) Dibromofluoromethane	8.171	113	107143	53.409	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.820%	
50) Toluene-d8	10.571	98	374319	51.762	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.520%	
62) 4-Bromofluorobenzene	12.847	95	151505	55.467	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.940%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.101	64	45	Below Cal	#	43
16) Acetone	4.442	43	12534	15.279	ug/l	95
18) Methyl Acetate	5.042	43	1497	0.568	ug/l #	57
20) Methylene Chloride	5.271	84	7164	4.170	ug/l #	94
25) 2-Butanone	7.494	43	1037	1.064	ug/l #	37
31) Cyclohexane	8.224	56	3560	1.340	ug/l #	30
36) 1,1-Dichloropropene	8.230	75	12249	4.217	ug/l #	52
37) Ethyl Acetate	7.559	43	1852	0.919	ug/l #	78
38) Carbon Tetrachloride	8.230	117	17093	4.638	ug/l #	14
42) 1,2-Dichloroethane	8.683	62	752	0.223	ug/l #	73
43) Isopropyl Acetate	8.688	43	97775	24.940	ug/l #	86
45) 1,2-Dichloropropane	9.747	63	1356	0.707	ug/l #	45
48) Methyl methacrylate	9.741	41	90743	44.915	ug/l #	30
51) 4-Methyl-2-Pentanone	10.441	43	5085	2.505	ug/l #	85
53) t-1,3-Dichloropropene	10.729	75	750	0.229	ug/l #	1
54) cis-1,3-Dichloropropene	10.359	75	42584	12.701	ug/l #	68
56) Ethyl methacrylate	10.982	69	1664	0.826	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5446	1.582	ug/l #	42
59) 2-Hexanone	11.200	43	69404	42.554	ug/l #	44
74) N-amyl acetate	12.494	43	928	0.284	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	87252	26.418	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	87252	89.256	ug/l #	15

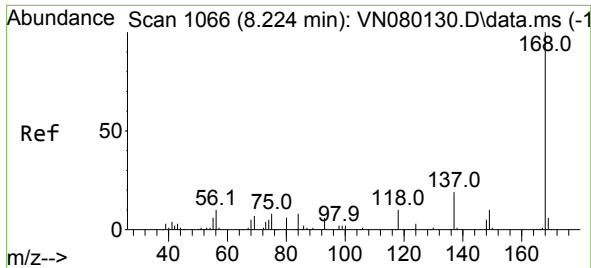
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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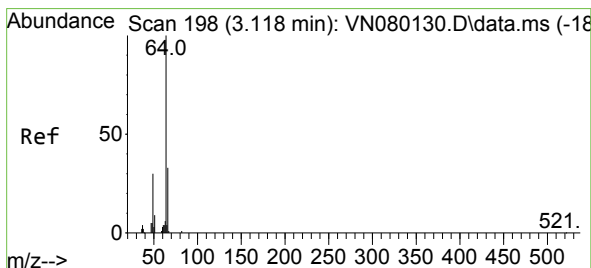
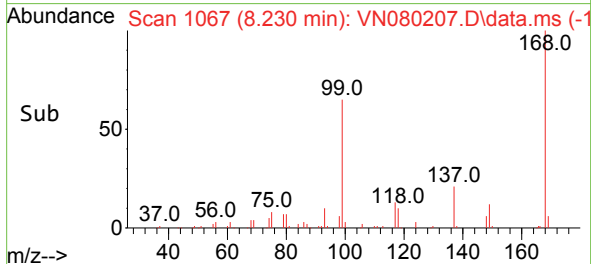
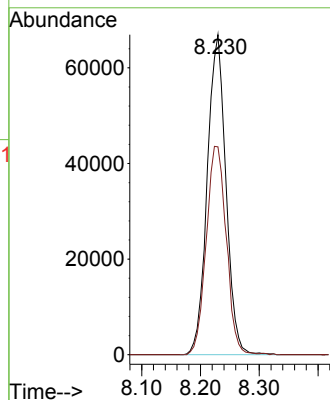
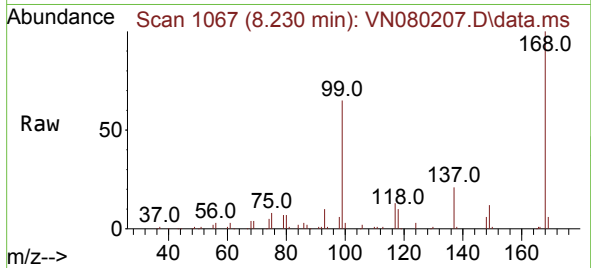




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

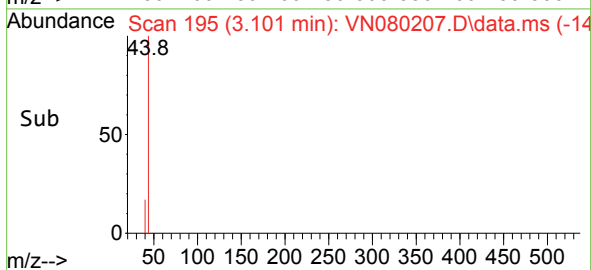
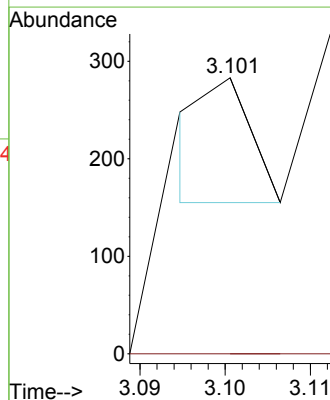
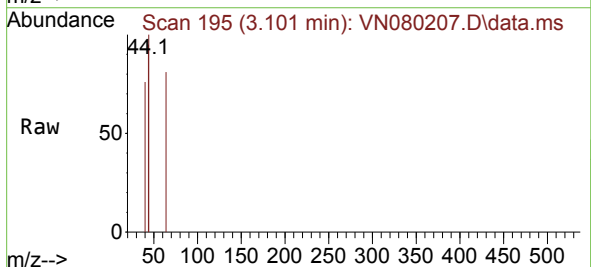
Instrument :
MSVOA_N
ClientSampleId :

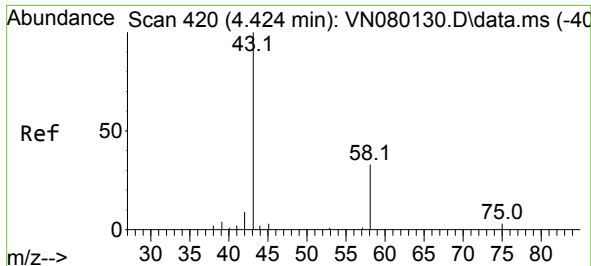
Tgt Ion:168 Resp: 147917
Ion Ratio Lower Upper
168 100
99 65.0 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 195
Delta R.T. -0.017 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

Tgt Ion: 64 Resp: 45
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

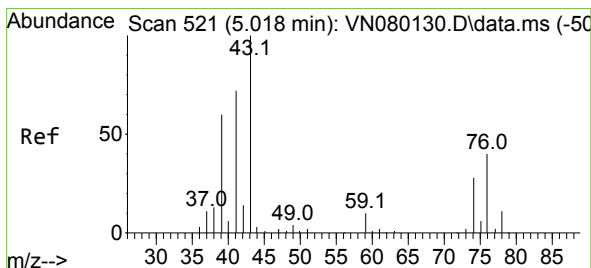
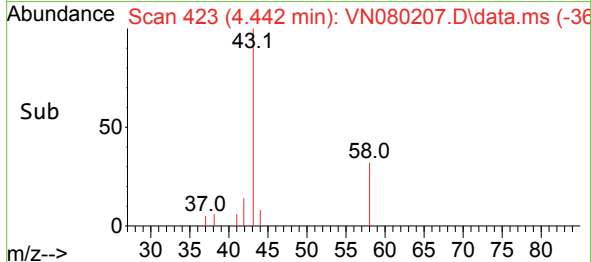
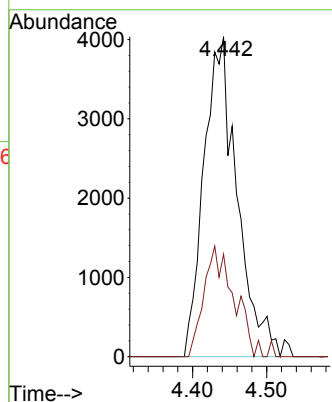
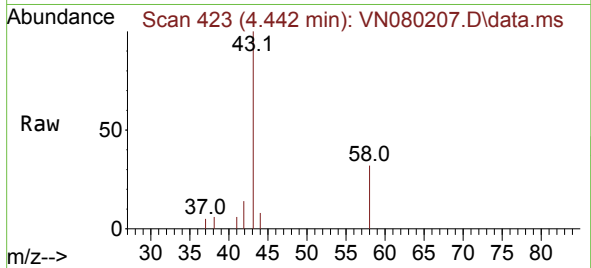




#16
Acetone
Concen: 15.279 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

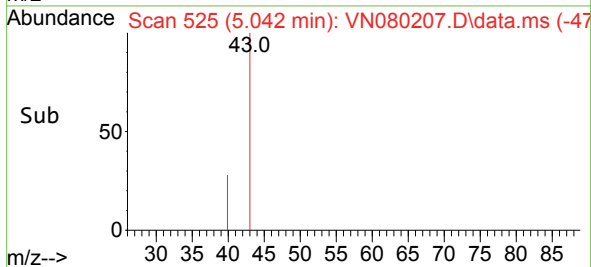
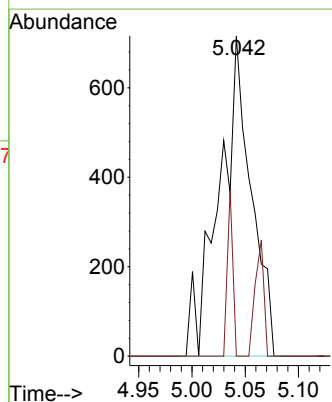
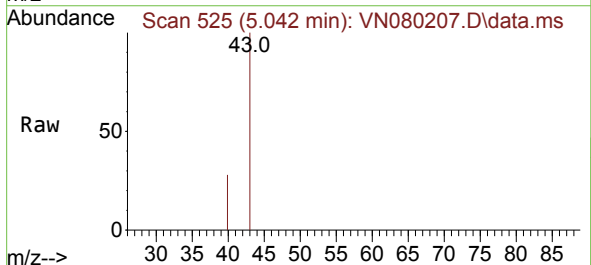
Instrument :
MSVOA_N
ClientSampleId :

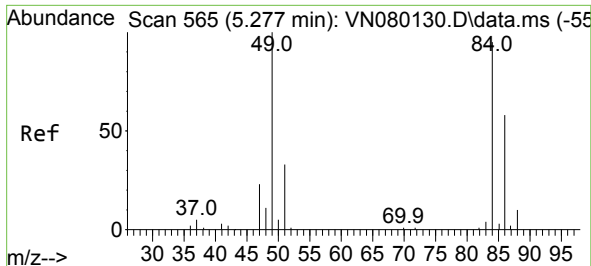
Tgt Ion: 43 Resp: 12534
Ion Ratio Lower Upper
43 100
58 32.0 28.0 42.0



#18
Methyl Acetate
Concen: 0.568 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

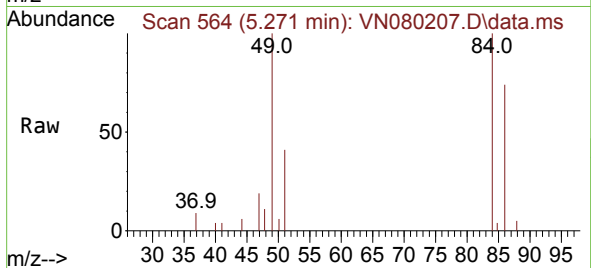
Tgt Ion: 43 Resp: 1497
Ion Ratio Lower Upper
43 100
74 8.8 26.2 39.4#



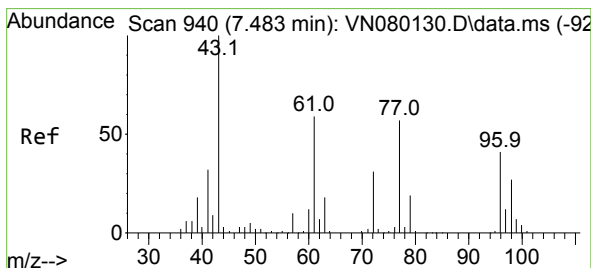
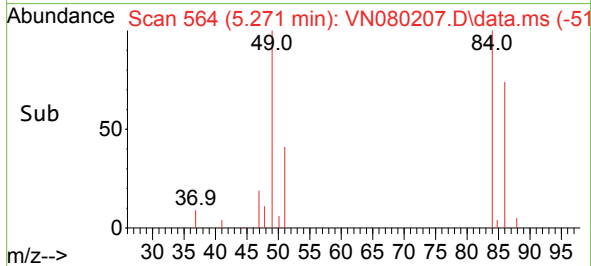
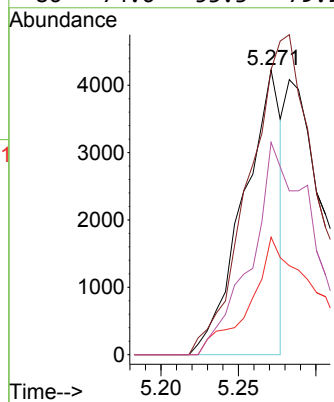


#20
Methylene Chloride
Concen: 4.170 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

Instrument :
MSVOA_N
ClientSampleId :

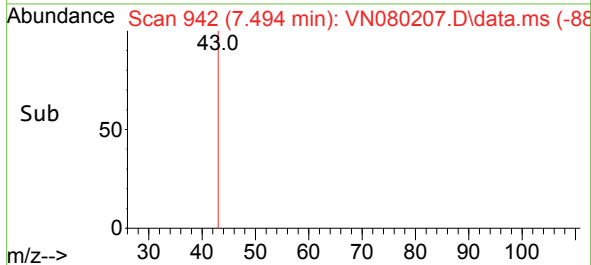
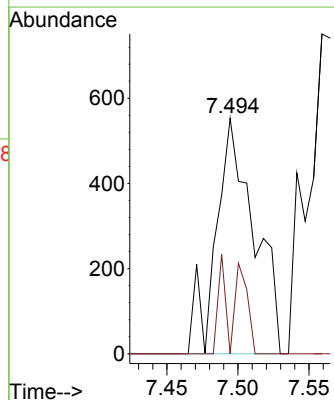
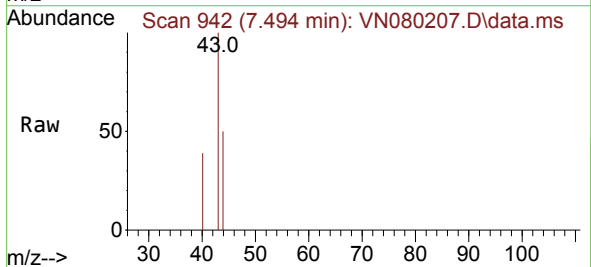


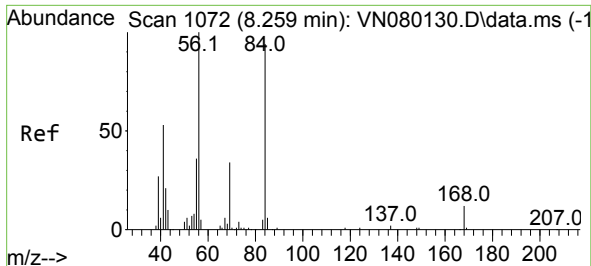
Tgt Ion: 84 Resp: 7164
Ion Ratio Lower Upper
84 100
49 100.2 79.7 119.5
51 41.3 25.2 37.8#
86 74.6 53.3 79.9



#25
2-Butanone
Concen: 1.064 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

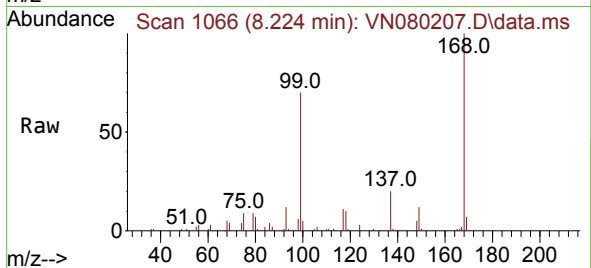
Tgt Ion: 43 Resp: 1037
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



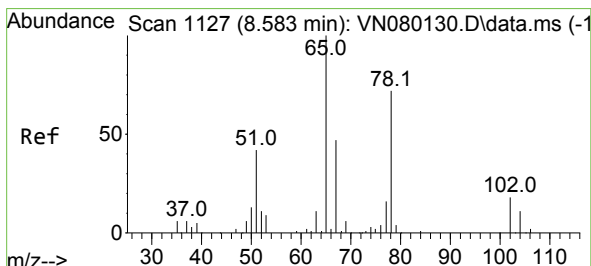
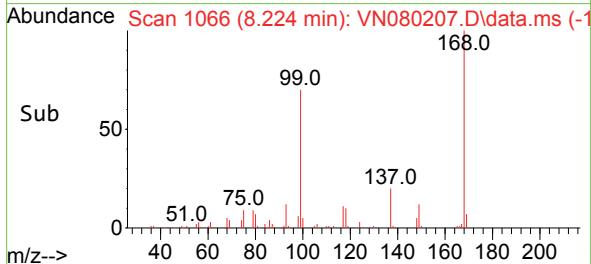
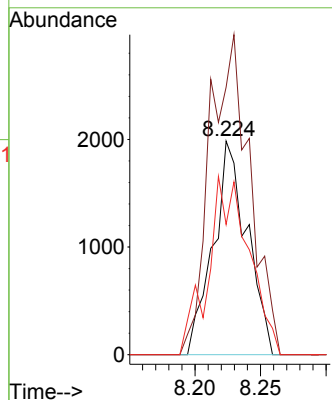


#31
Cyclohexane
Concen: 1.340 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

Instrument :
MSVOA_N
ClientSampleId :

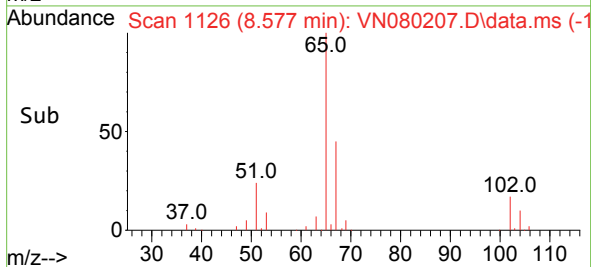
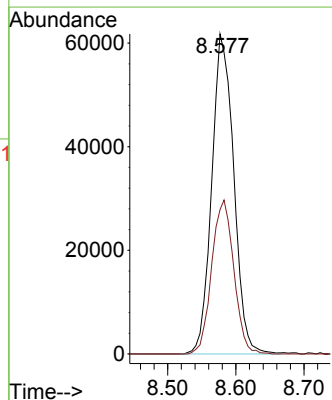
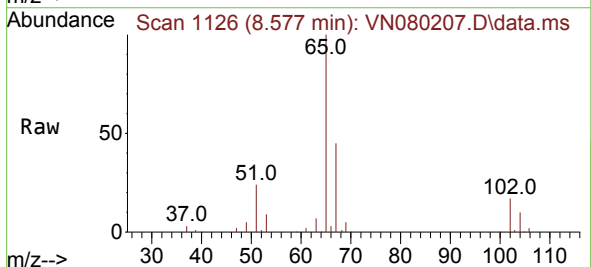


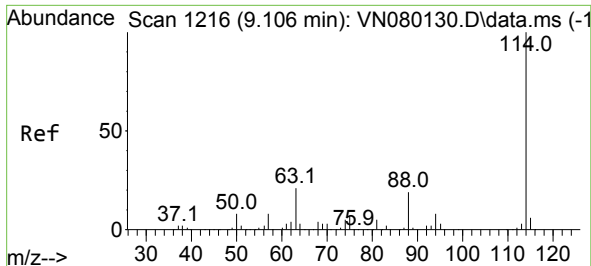
Tgt Ion: 56 Resp: 3560
Ion Ratio Lower Upper
56 100
69 125.2 26.8 40.2#
84 61.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 56.758 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

Tgt Ion: 65 Resp: 138622
Ion Ratio Lower Upper
65 100
67 48.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN080207.D

Acq: 20 Nov 2023 15:00

Instrument :

MSVOA_N

ClientSampleId :

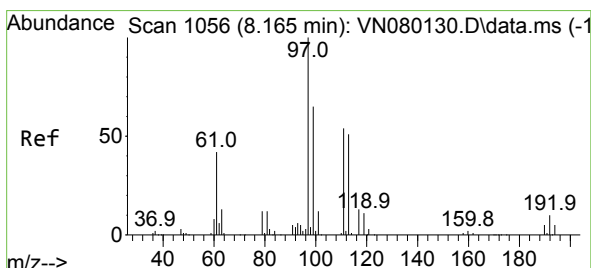
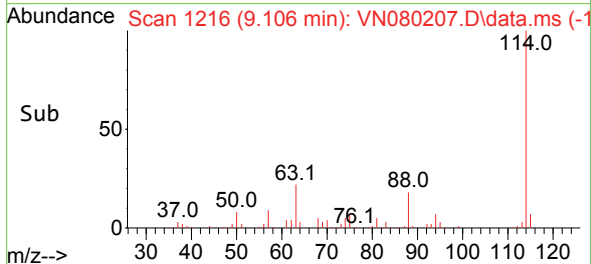
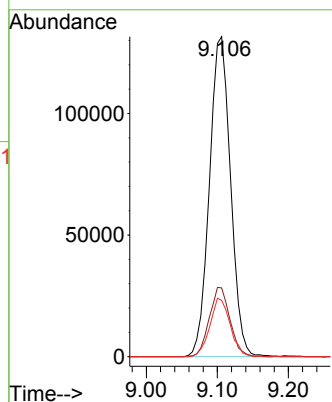
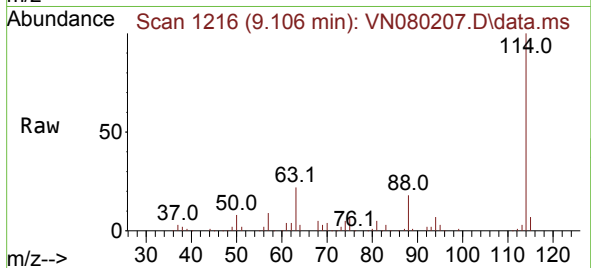
Tgt Ion:114 Resp: 271875

Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 17.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.409 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080207.D

Acq: 20 Nov 2023 15:00

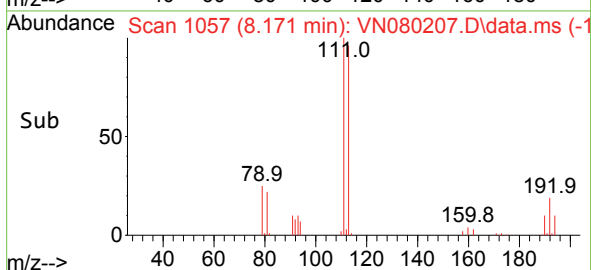
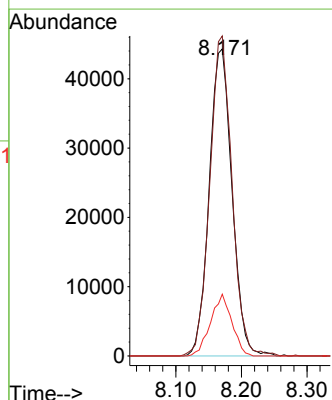
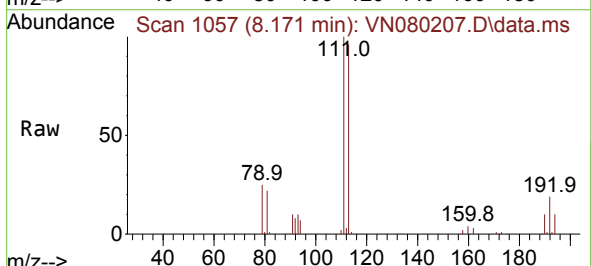
Tgt Ion:113 Resp: 107143

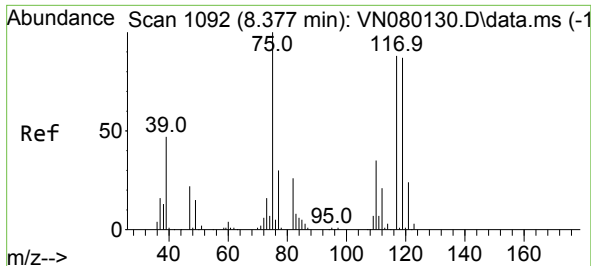
Ion Ratio Lower Upper

113 100

111 101.2 82.6 123.8

192 18.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.217 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

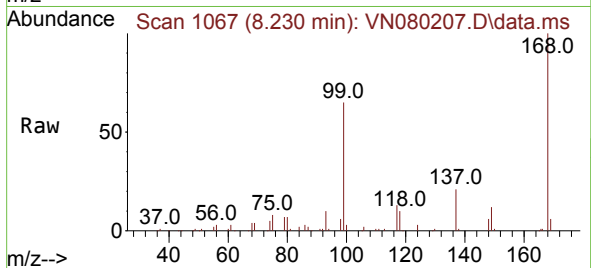
Lab File: VN080207.D

Acq: 20 Nov 2023 15:00

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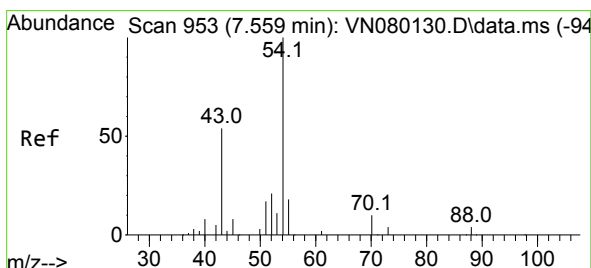
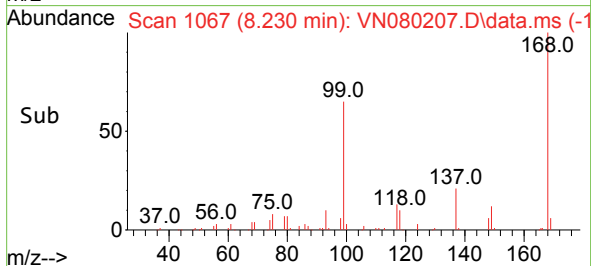
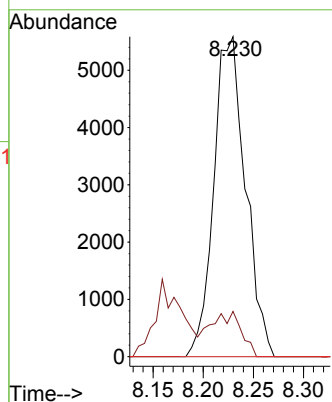
Tgt Ion: 75 Resp: 12249

Ion Ratio Lower Upper

75 100

110 13.9 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.919 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN080207.D

Acq: 20 Nov 2023 15:00

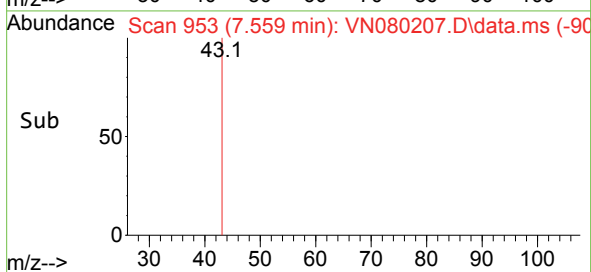
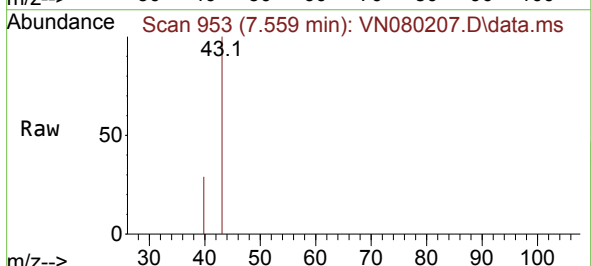
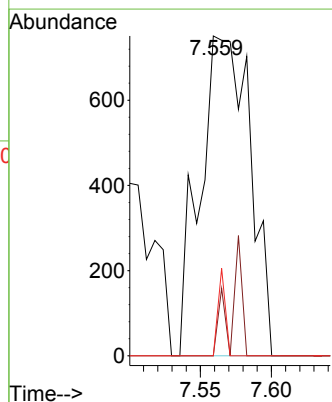
Tgt Ion: 43 Resp: 1852

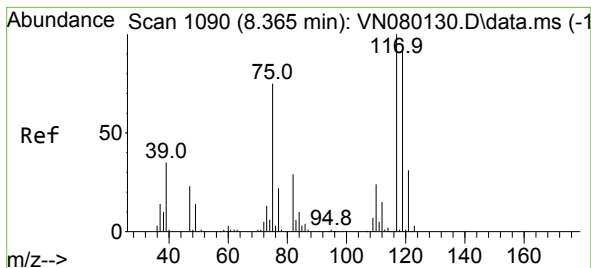
Ion Ratio Lower Upper

43 100

61 8.4 13.2 19.8#

70 3.9 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.638 ug/l

RT: 8.230 min Scan# 1106

Delta R.T. -0.135 min

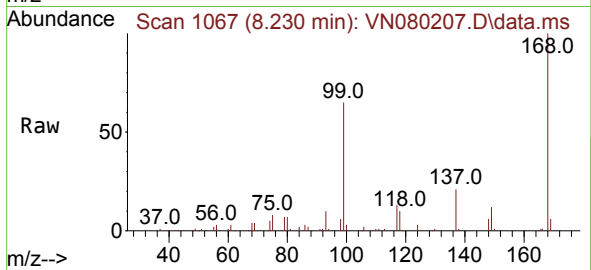
Lab File: VN080207.D

Acq: 20 Nov 2023 15:00

Instrument :

MSVOA_N

ClientSampleId :



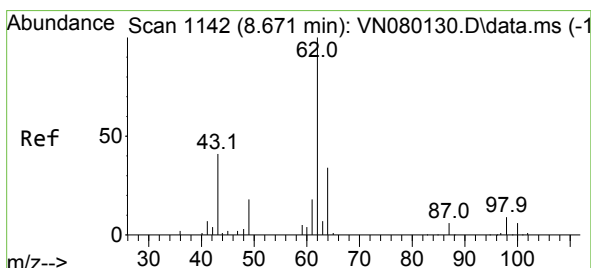
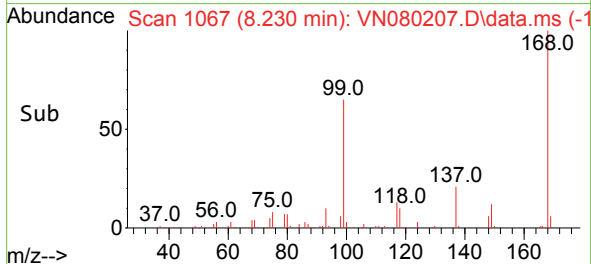
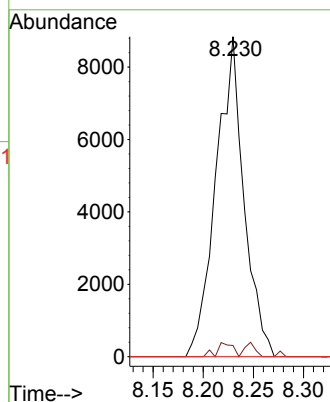
Tgt Ion:117 Resp: 17093

Ion Ratio Lower Upper

117 100

119 3.5 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.223 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN080207.D

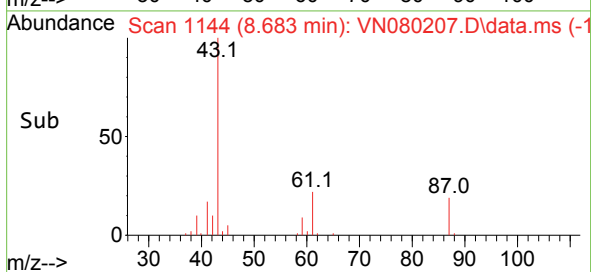
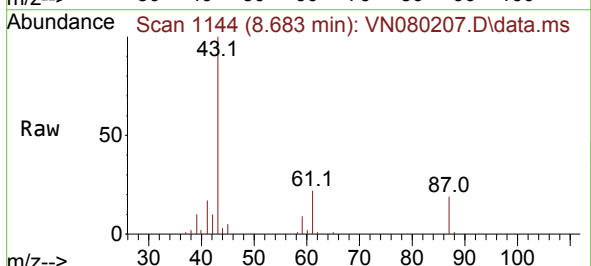
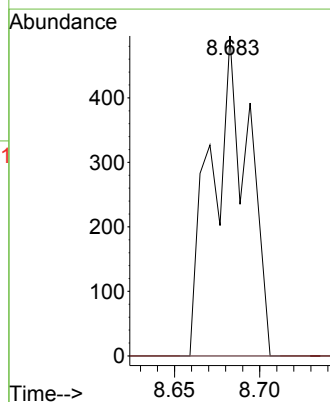
Acq: 20 Nov 2023 15:00

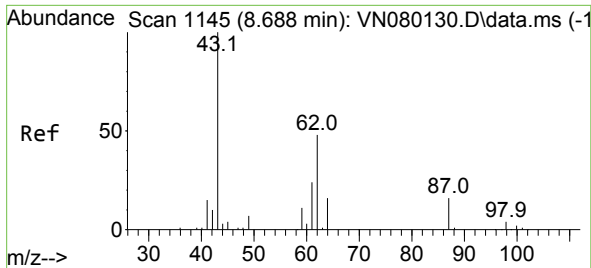
Tgt Ion: 62 Resp: 752

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

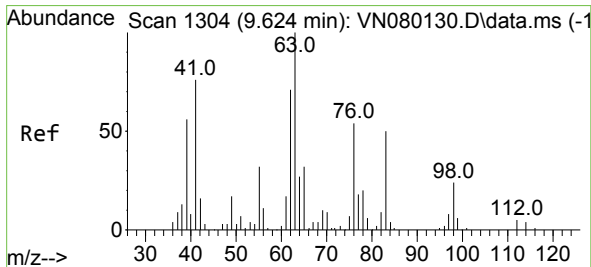
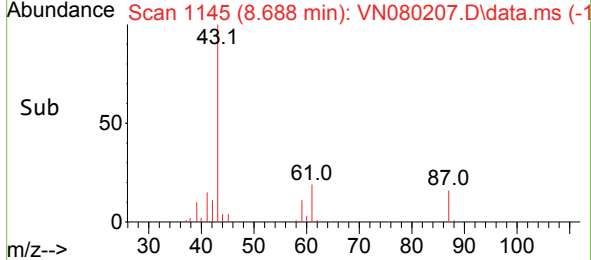
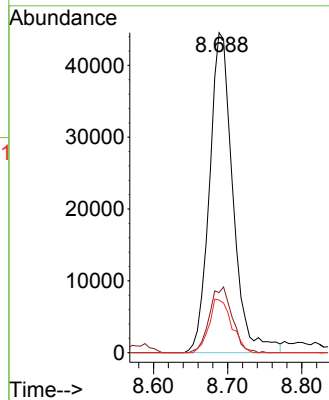
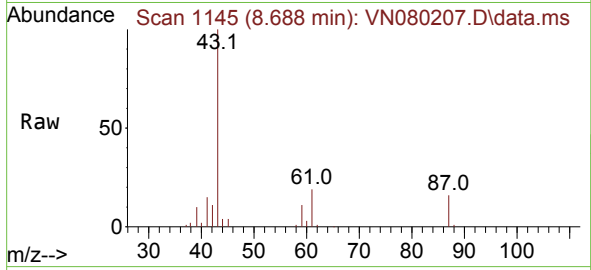




#43
Isopropyl Acetate
Concen: 24.940 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

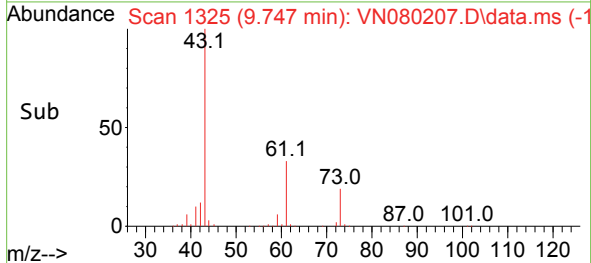
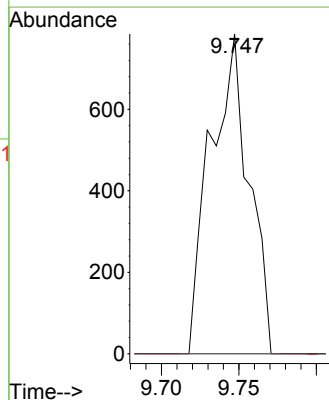
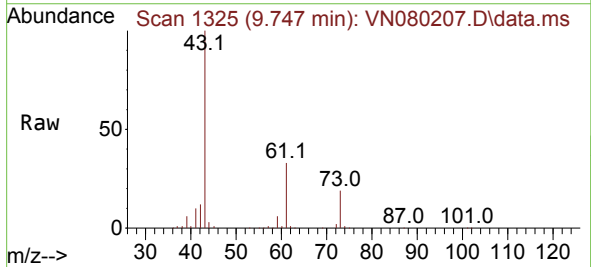
Instrument :
MSVOA_N
ClientSampleId :

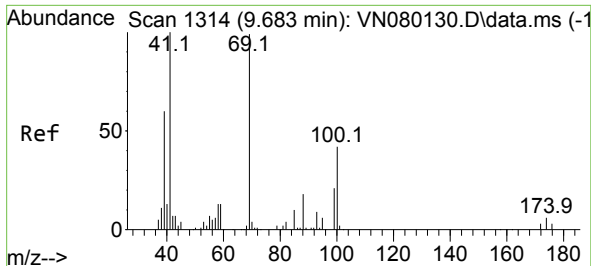
Tgt Ion: 43 Resp: 97775
Ion Ratio Lower Upper
43 100
61 20.0 24.7 37.1#
87 16.1 14.6 21.8



#45
1,2-Dichloropropane
Concen: 0.707 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

Tgt Ion: 63 Resp: 1356
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 44.915 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN080207.D

Acq: 20 Nov 2023 15:00

Instrument :

MSVOA_N

ClientSampleId :

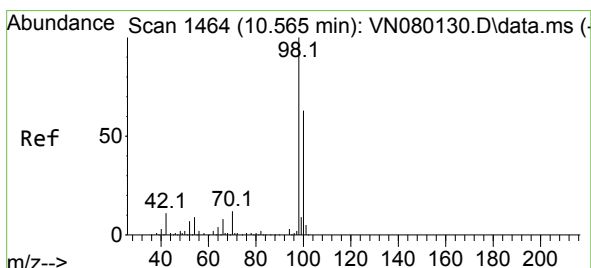
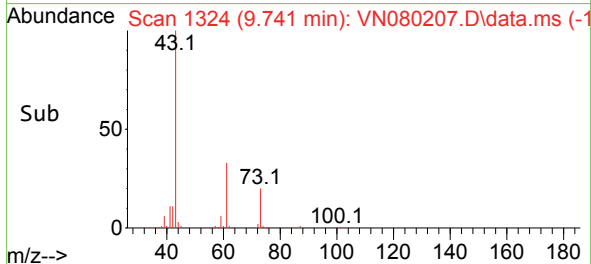
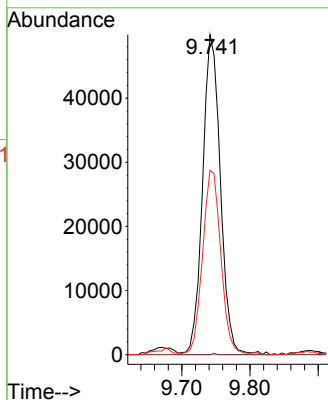
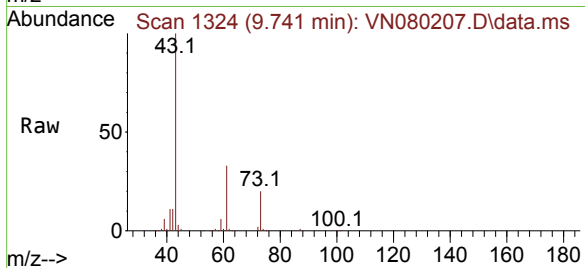
Tgt Ion: 41 Resp: 90743

Ion Ratio Lower Upper

41 100

69 0.1 90.4 135.6#

39 58.2 54.6 81.8



#50

Toluene-d8

Concen: 51.762 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080207.D

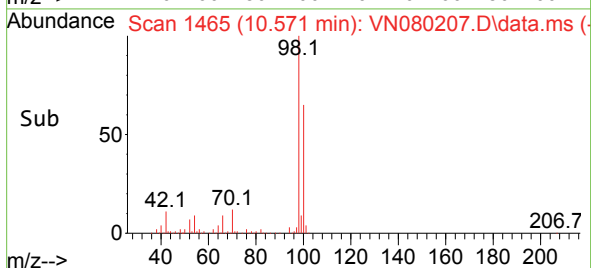
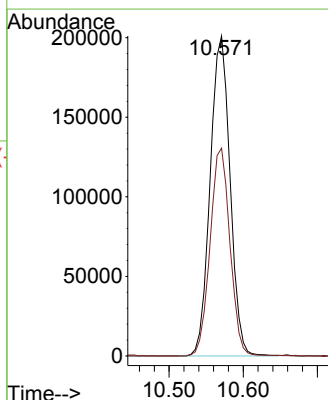
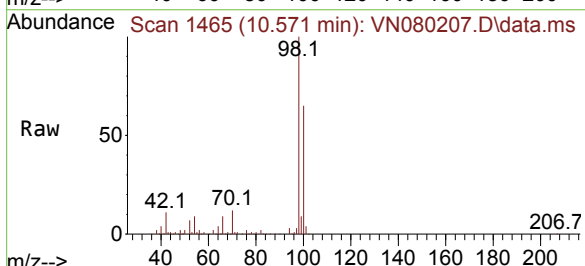
Acq: 20 Nov 2023 15:00

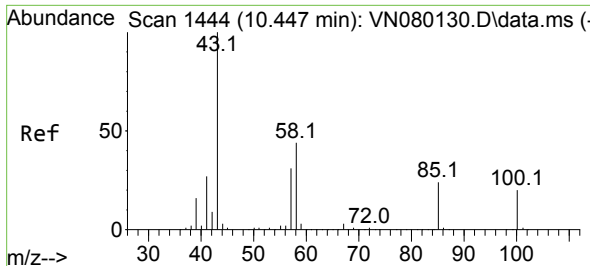
Tgt Ion: 98 Resp: 374319

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 2.505 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.006 min

Lab File: VN080207.D

Acq: 20 Nov 2023 15:00

Instrument :

MSVOA_N

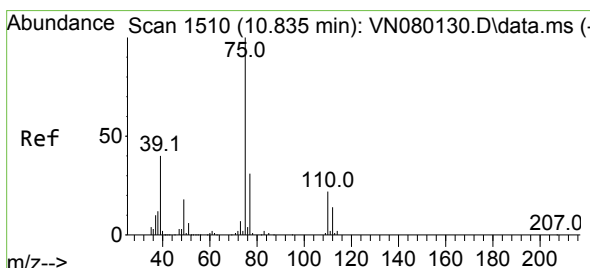
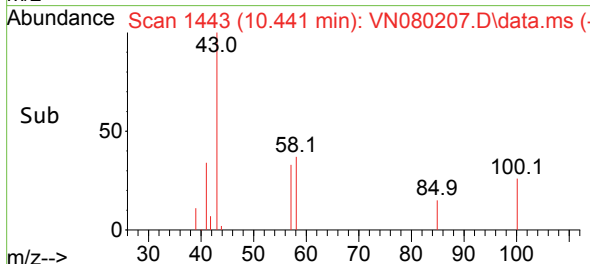
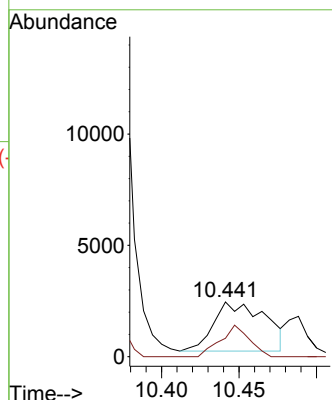
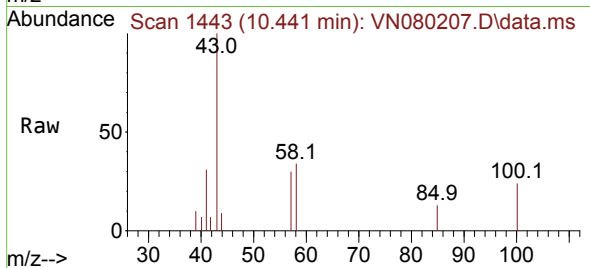
ClientSampleId :

Tgt Ion: 43 Resp: 5085

Ion Ratio Lower Upper

43 100

58 35.9 36.6 54.8#



#53

t-1,3-Dichloropropene

Concen: 0.229 ug/l

RT: 10.729 min Scan# 1492

Delta R.T. -0.106 min

Lab File: VN080207.D

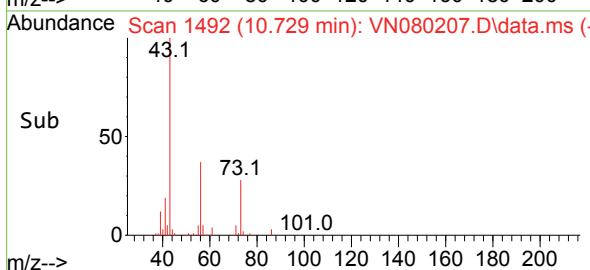
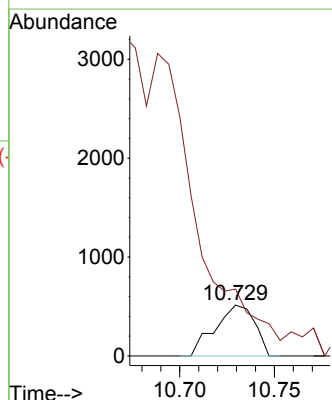
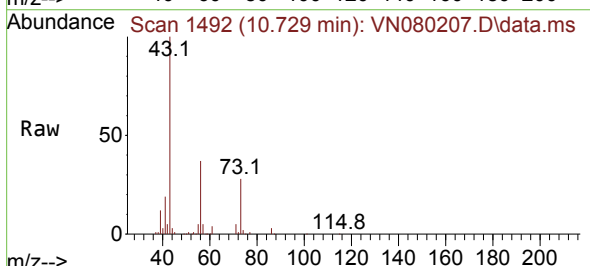
Acq: 20 Nov 2023 15:00

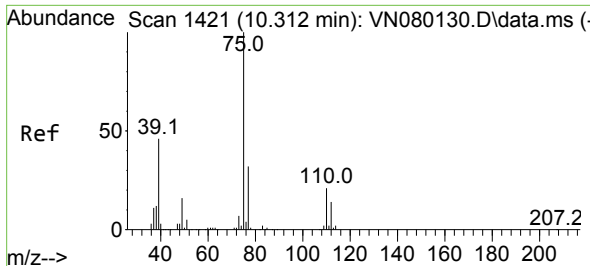
Tgt Ion: 75 Resp: 750

Ion Ratio Lower Upper

75 100

77 101.0 25.4 38.0#

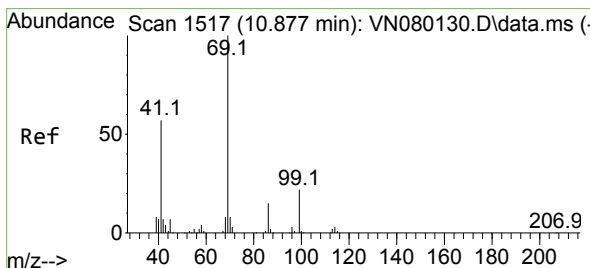
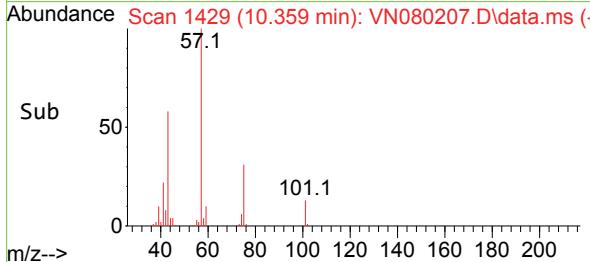
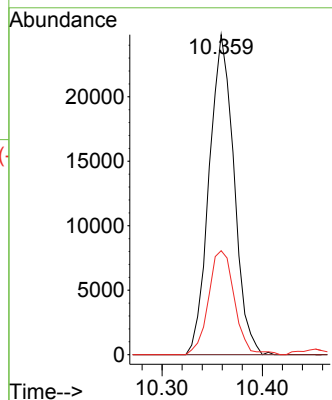
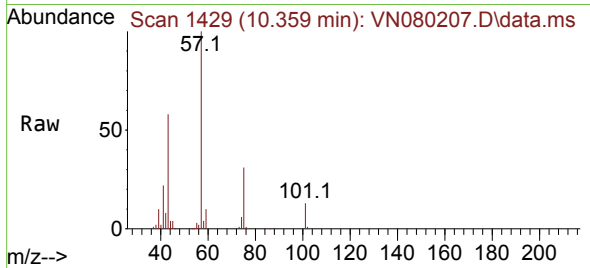




#54
 cis-1,3-Dichloropropene
 Concen: 12.701 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080207.D
 Acq: 20 Nov 2023 15:00

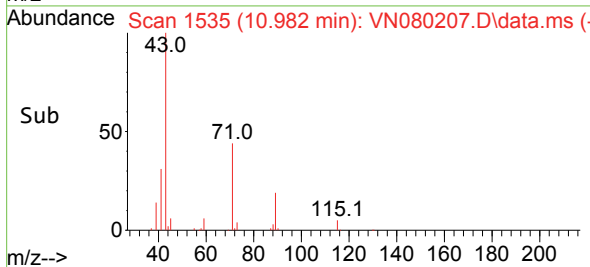
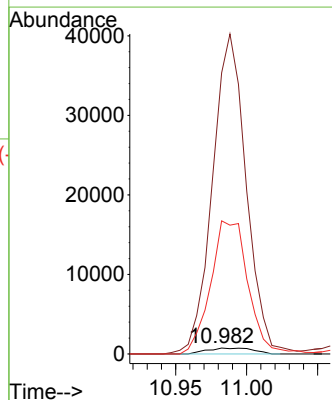
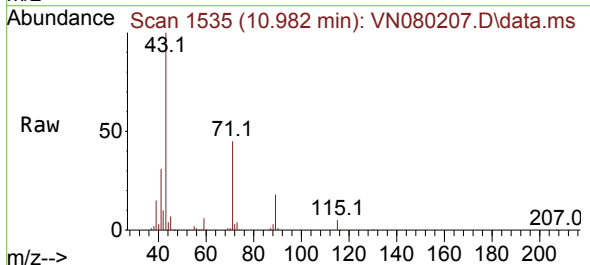
Instrument :
 MSVOA_N
 ClientSampleId :

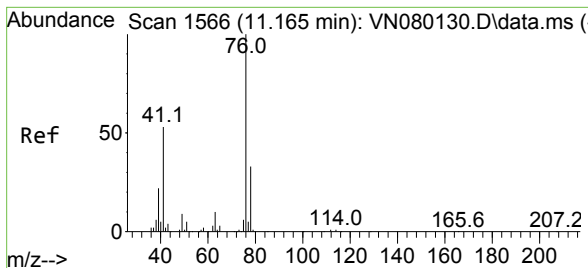
Tgt Ion: 75 Resp: 42584
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 32.5 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.826 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN080207.D
 Acq: 20 Nov 2023 15:00

Tgt Ion: 69 Resp: 1664
 Ion Ratio Lower Upper
 69 100
 41 4001.6 39.6 59.4#
 39 1849.3 28.6 43.0#

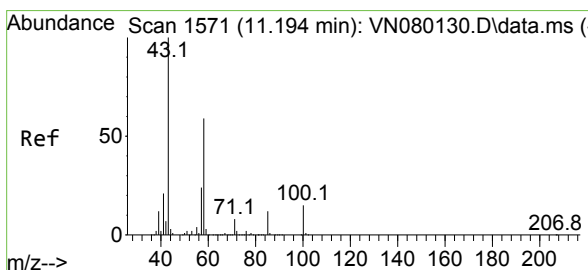
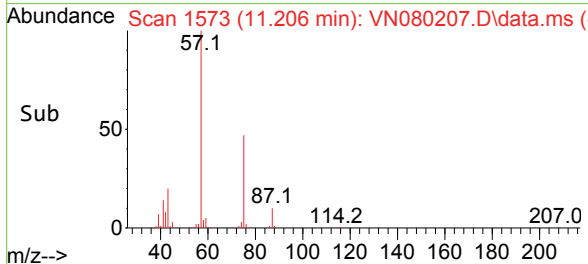
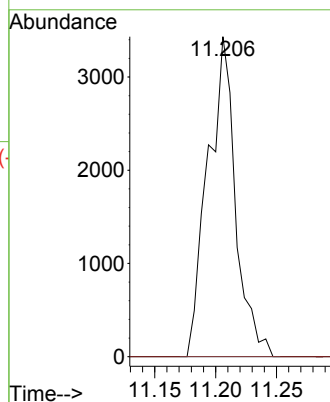
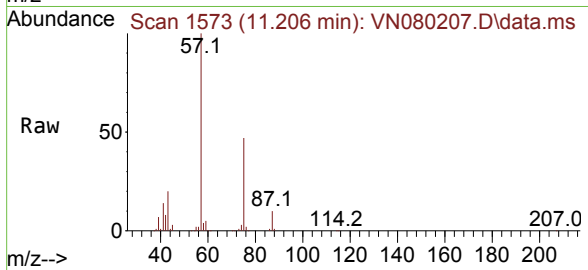




#57
1,3-Dichloropropane
Concen: 1.582 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

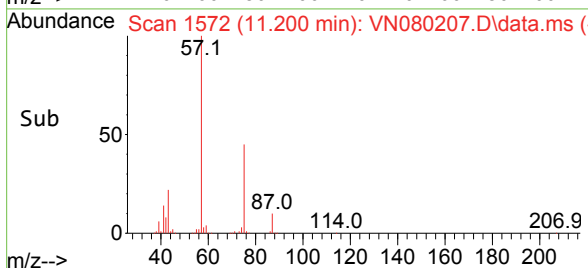
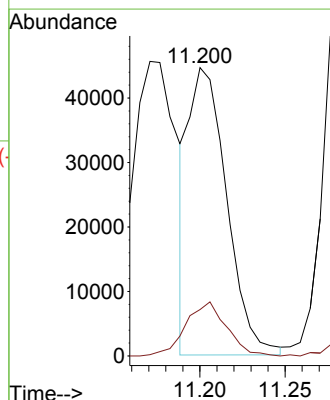
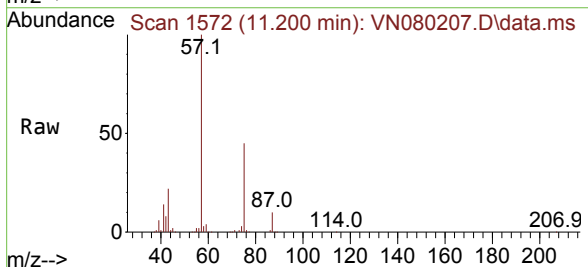
Instrument :
MSVOA_N
ClientSampleId :

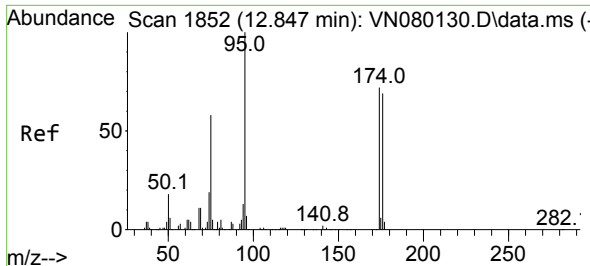
Tgt Ion: 76 Resp: 5446
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 42.554 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

Tgt Ion: 43 Resp: 69404
Ion Ratio Lower Upper
43 100
58 20.1 31.7 95.1#

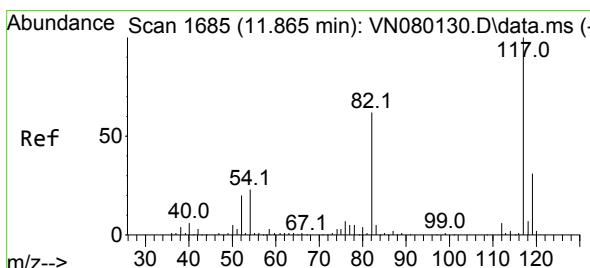
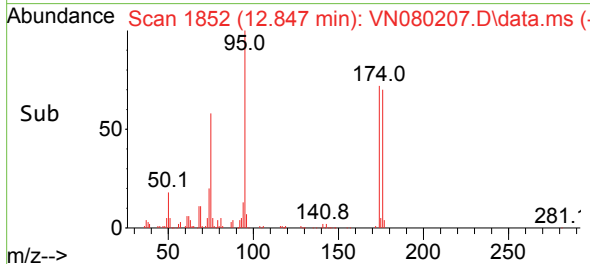
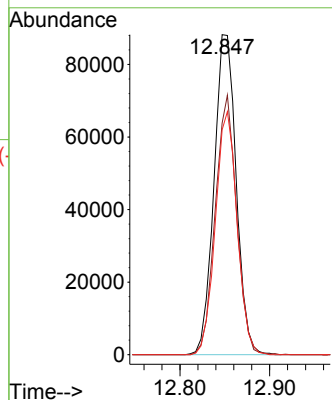
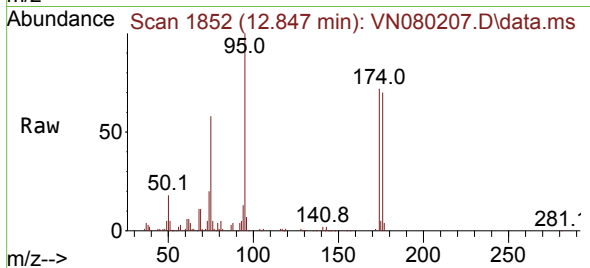




#62
4-Bromofluorobenzene
Concen: 55.467 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

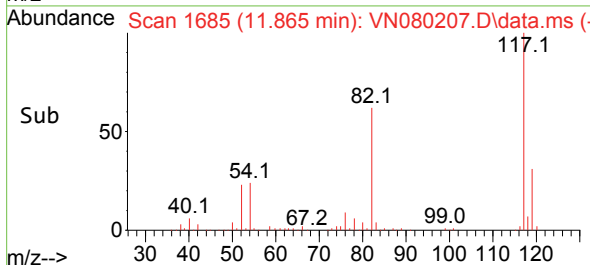
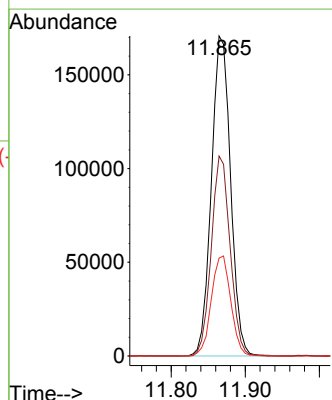
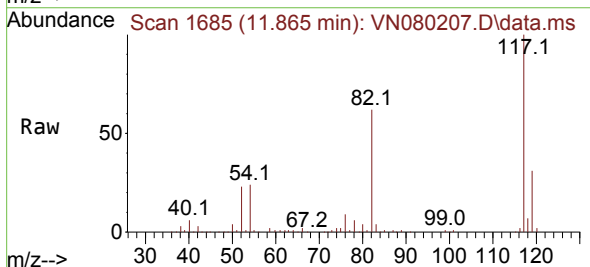
Instrument :
MSVOA_N
ClientSampleId :

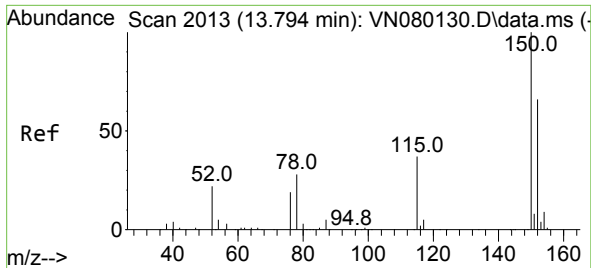
Tgt Ion: 95 Resp: 151505
Ion Ratio Lower Upper
95 100
174 77.8 0.0 143.8
176 74.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080207.D
Acq: 20 Nov 2023 15:00

Tgt Ion: 117 Resp: 306792
Ion Ratio Lower Upper
117 100
82 62.5 44.0 66.0
119 30.6 25.6 38.4

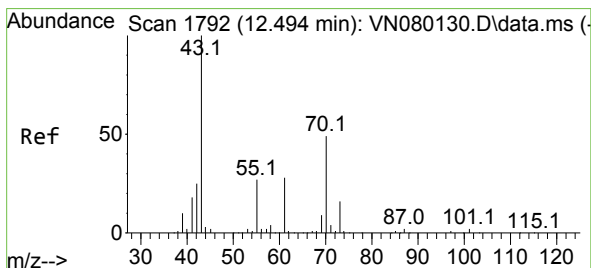
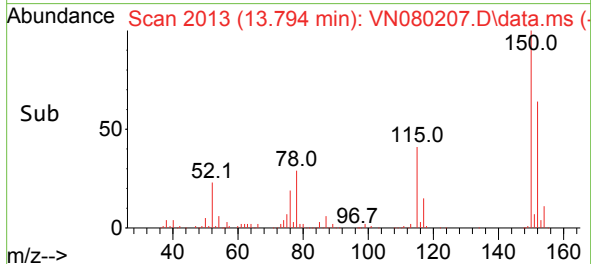
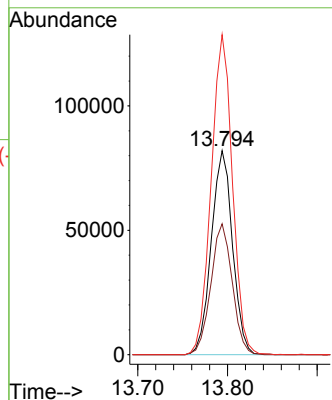
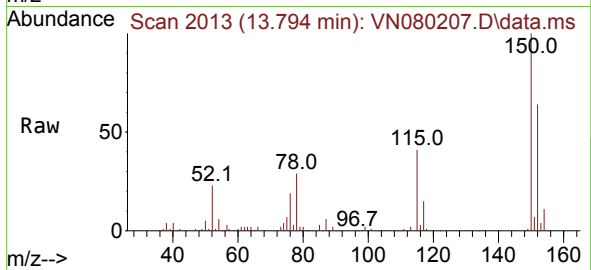




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080207.D
 Acq: 20 Nov 2023 15:00

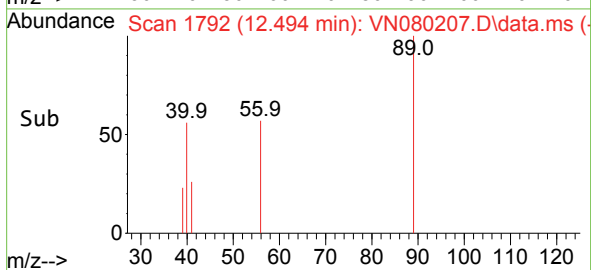
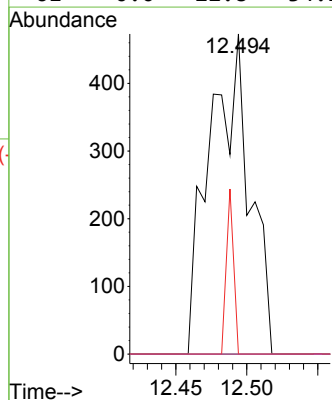
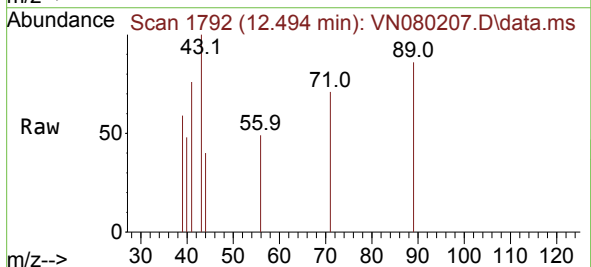
Instrument :
 MSVOA_N
 ClientSampleId :

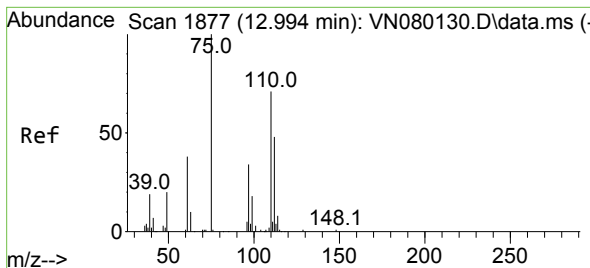
Tgt Ion:152 Resp: 134796
 Ion Ratio Lower Upper
 152 100
 115 64.6 32.3 96.8
 150 156.8 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.284 ug/l
 RT: 12.494 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: VN080207.D
 Acq: 20 Nov 2023 15:00

Tgt Ion: 43 Resp: 928
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 9.3 21.4 32.0#
 61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 26.418 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080207.D

Acq: 20 Nov 2023 15:00

Instrument :

MSVOA_N

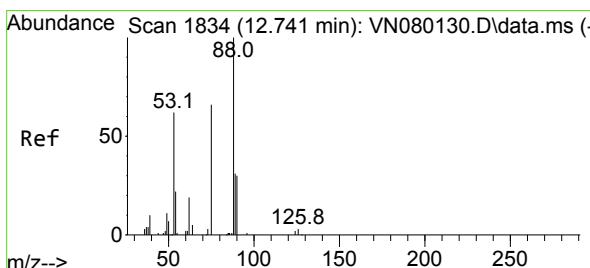
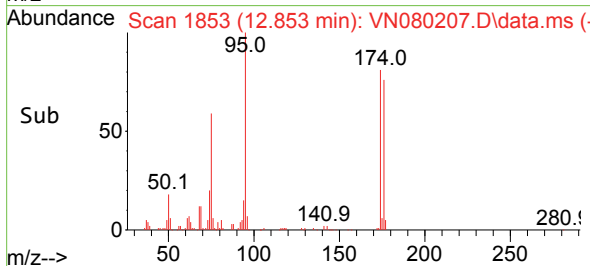
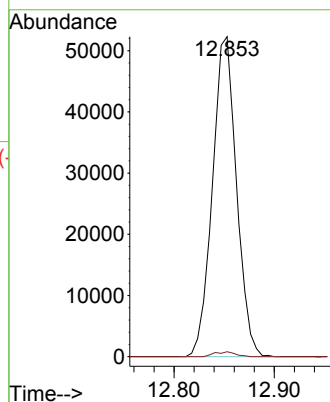
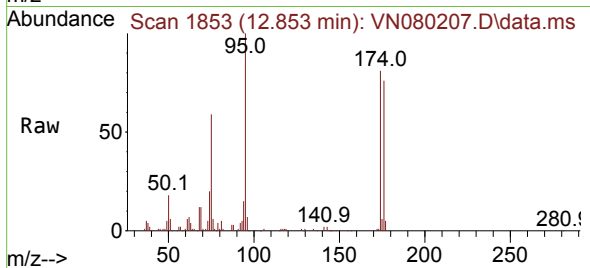
ClientSampleId :

Tgt Ion: 75 Resp: 87252

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.256 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN080207.D

Acq: 20 Nov 2023 15:00

Tgt Ion: 75 Resp: 87252

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

