

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120423\
 Data File : VN080345.D
 Acq On : 04 Dec 2023 17:57
 Operator : JC\MD
 Sample : 05602-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 04:20:12 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)

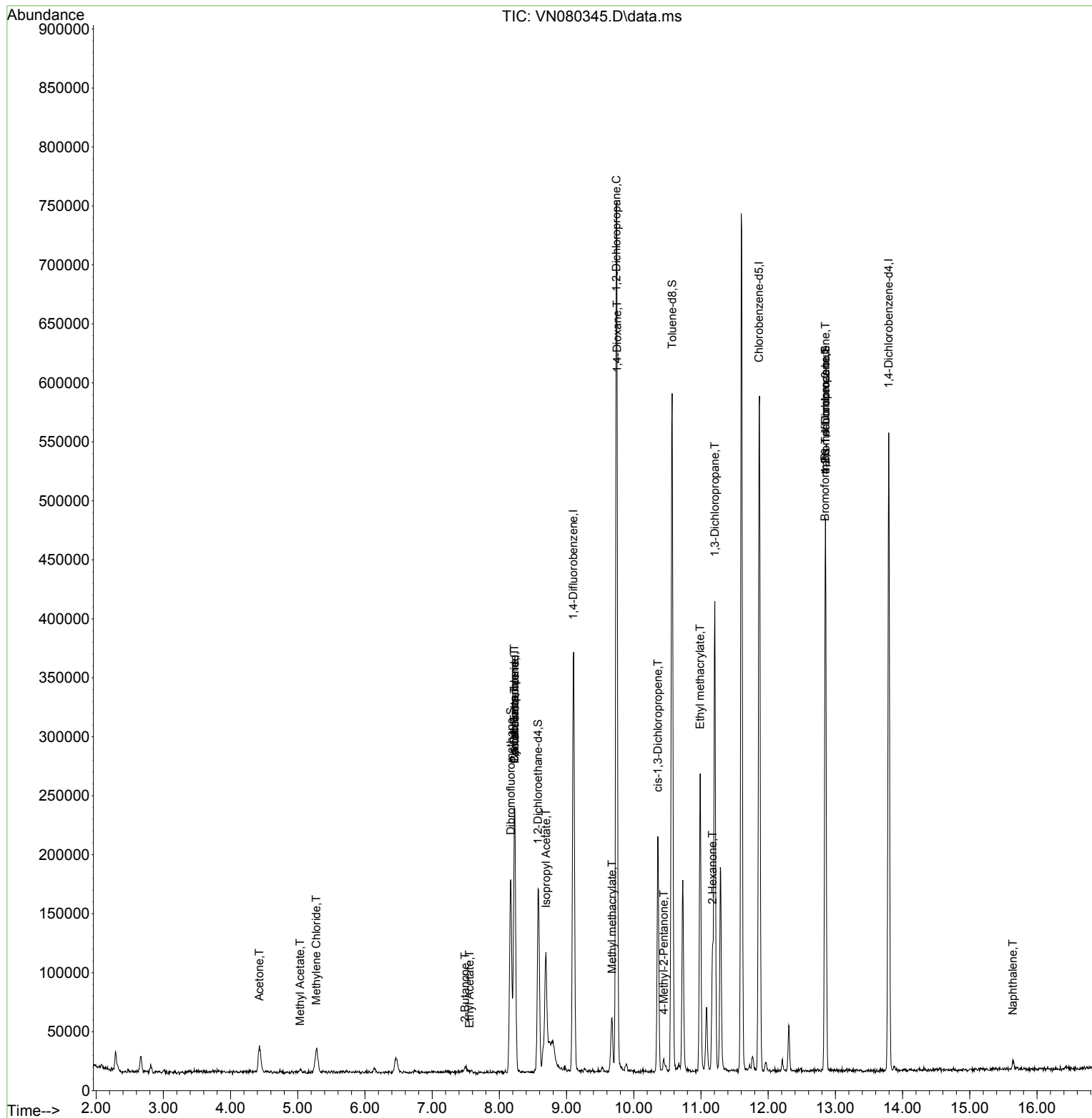
Internal Standards						
1) Pentafluorobenzene	8.230	168	155043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	326507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143192	55.934	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.860%	
35) Dibromofluoromethane	8.171	113	112235	51.370	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.740%	
50) Toluene-d8	10.571	98	406385	51.599	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.200%	
62) 4-Bromofluorobenzene	12.853	95	159008	53.451	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.900%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.106	64	268	Below Cal	#	43
16) Acetone	4.430	43	39639	46.100	ug/l	98
18) Methyl Acetate	5.036	43	3694	1.337	ug/l #	80
20) Methylene Chloride	5.277	84	17377	9.650	ug/l #	87
25) 2-Butanone	7.488	43	8197	8.024	ug/l #	74
31) Cyclohexane	8.224	56	3354	1.205	ug/l #	52
36) 1,1-Dichloropropene	8.224	75	13629	4.309	ug/l #	49
37) Ethyl Acetate	7.559	43	2360	1.076	ug/l #	69
38) Carbon Tetrachloride	8.224	117	18472	4.602	ug/l #	14
43) Isopropyl Acetate	8.694	43	131650	30.834	ug/l #	76
45) 1,2-Dichloropropane	9.741	63	975	0.467	ug/l #	45
48) Methyl methacrylate	9.677	41	2817	1.280	ug/l #	28
49) 1,4-Dioxane	9.753	88	58	1.584	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	9094	4.114	ug/l #	69
54) cis-1,3-Dichloropropene	10.359	75	38474	10.536	ug/l #	64
56) Ethyl methacrylate	10.988	69	1449	0.661	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4561	1.217	ug/l #	42
59) 2-Hexanone	11.171	43	71190	40.078	ug/l #	19
71) Bromoform	12.847	173	505	0.237	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	91261	25.908	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	91261	87.533	ug/l #	15
95) Naphthalene	15.641	128	7558	0.923	ug/l	98

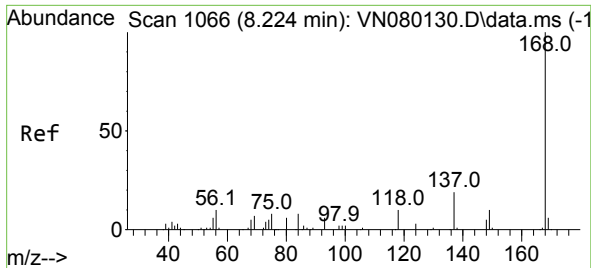
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 17 01:19:32 2023
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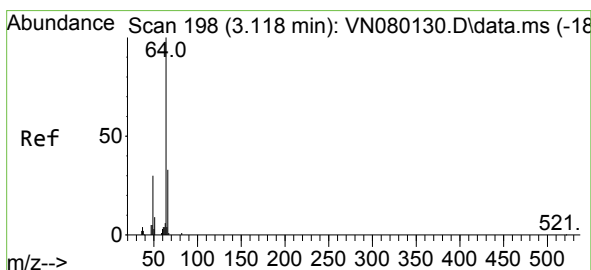
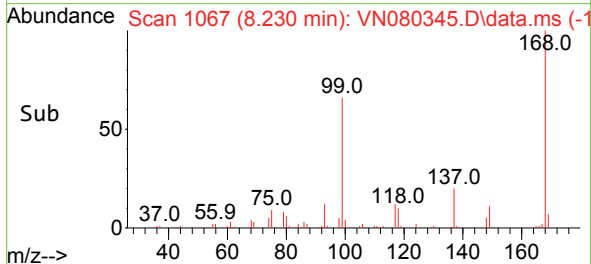
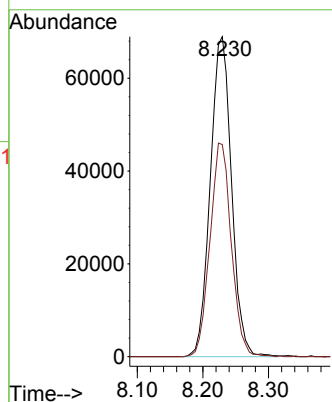
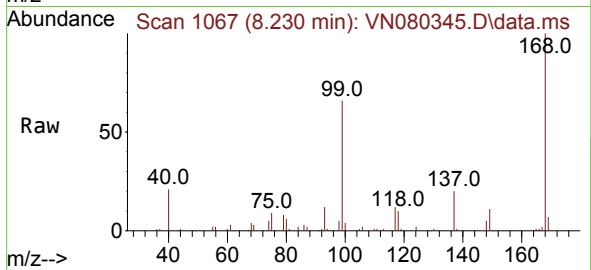




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

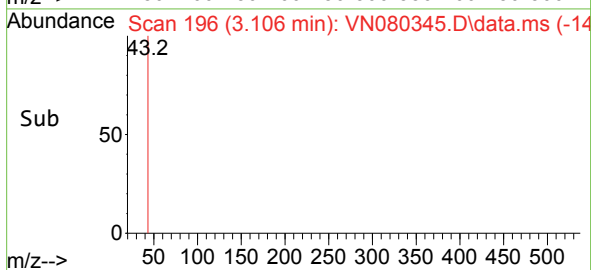
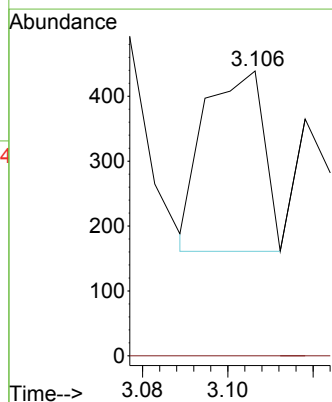
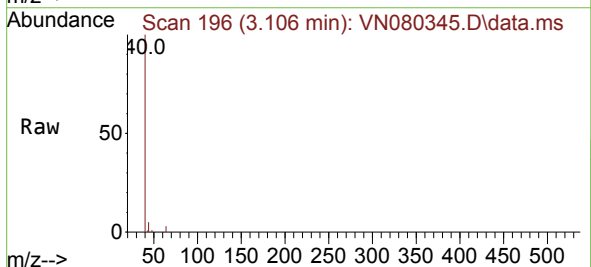
Instrument :
MSVOA_N
ClientSampleId :

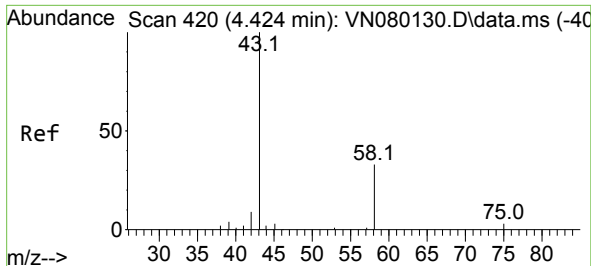
Tgt Ion:168 Resp: 155043
Ion Ratio Lower Upper
168 100
99 66.3 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

Tgt Ion: 64 Resp: 268
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

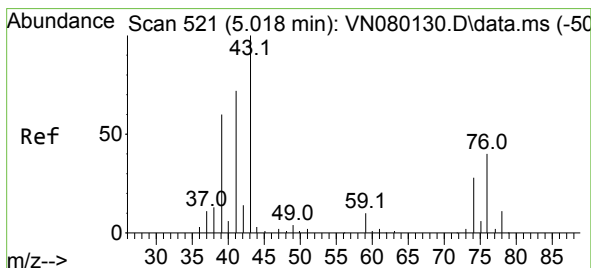
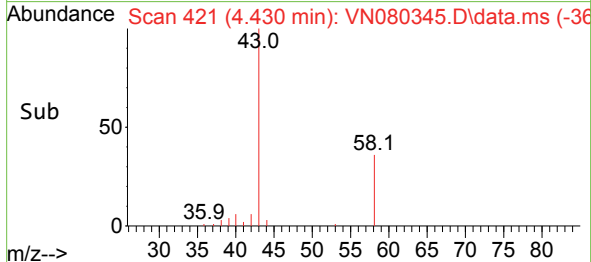
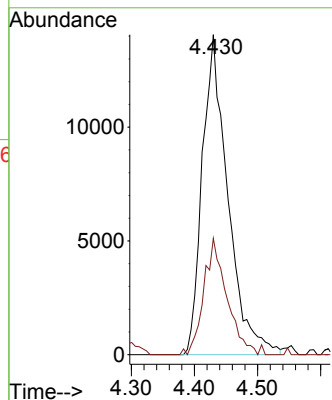
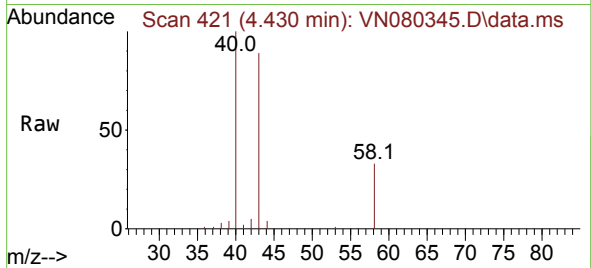




#16
Acetone
Concen: 46.100 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

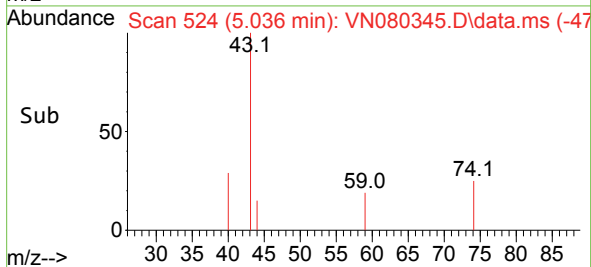
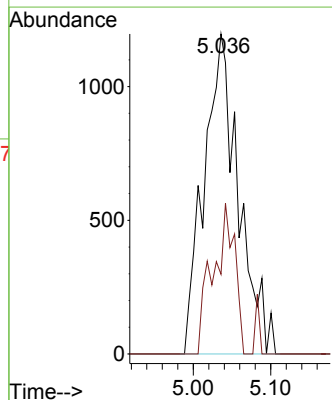
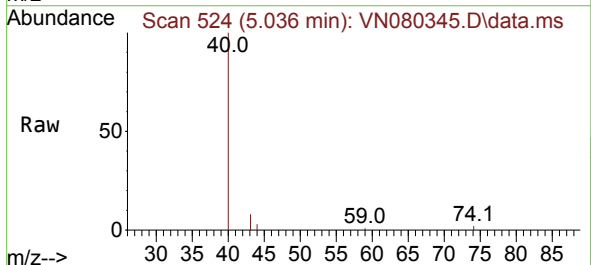
Instrument :
MSVOA_N
ClientSampleId :

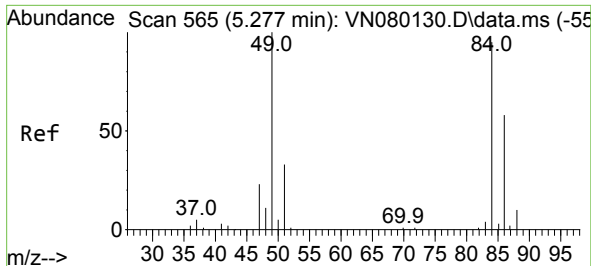
Tgt Ion: 43 Resp: 39639
Ion Ratio Lower Upper
43 100
58 36.4 28.0 42.0



#18
Methyl Acetate
Concen: 1.337 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

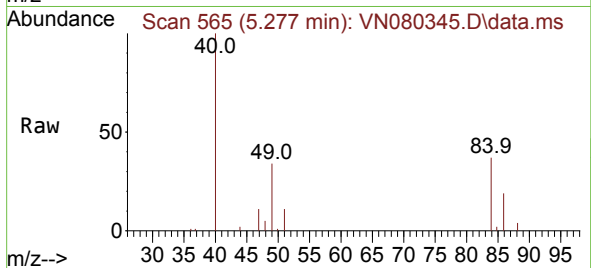
Tgt Ion: 43 Resp: 3694
Ion Ratio Lower Upper
43 100
74 21.6 26.2 39.4#





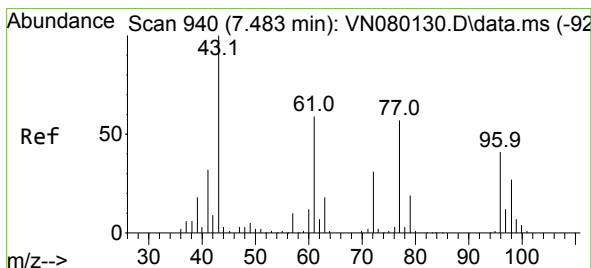
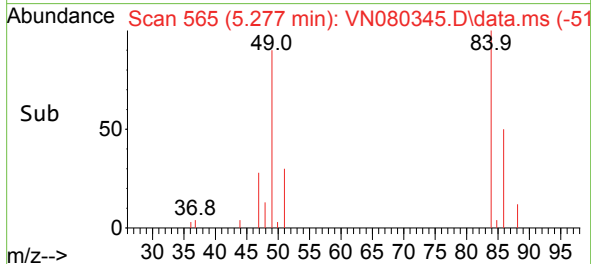
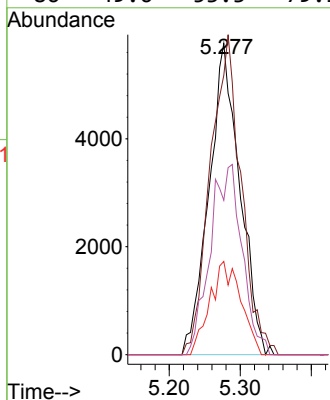
#20
Methylene Chloride
Concen: 9.650 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 17377

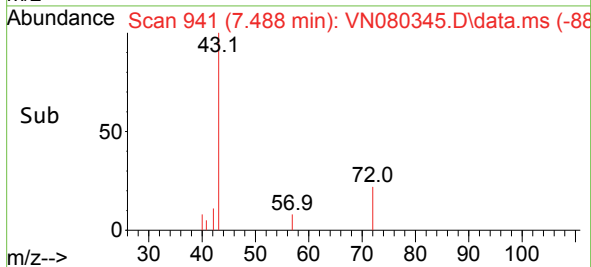
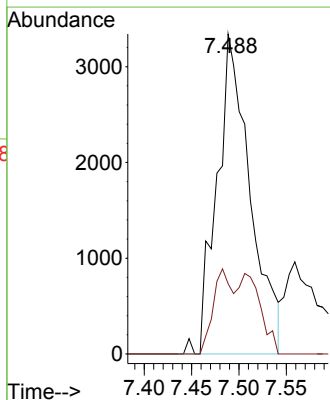
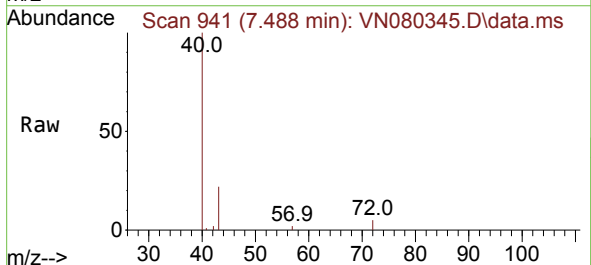
Ion	Ratio	Lower	Upper
84	100		
49	89.8	79.7	119.5
51	30.0	25.2	37.8
86	49.6	53.3	79.9#

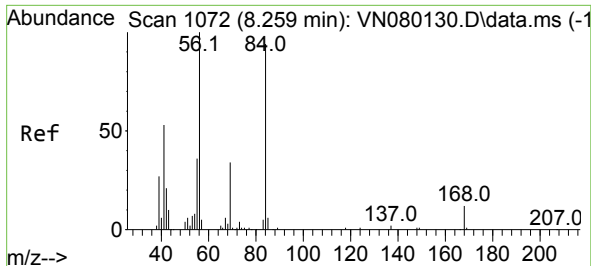


#25
2-Butanone
Concen: 8.024 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

Tgt Ion: 43 Resp: 8197

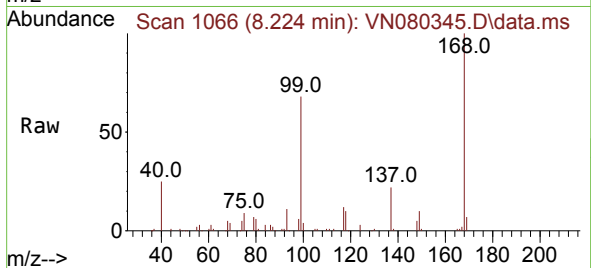
Ion	Ratio	Lower	Upper
43	100		
72	22.0	30.2	45.2#



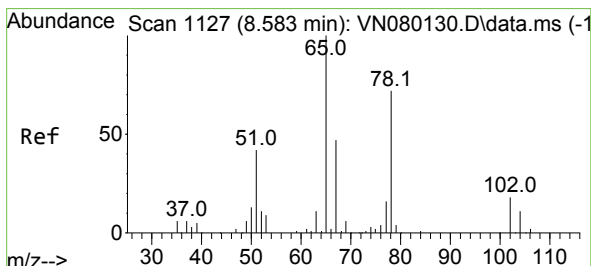
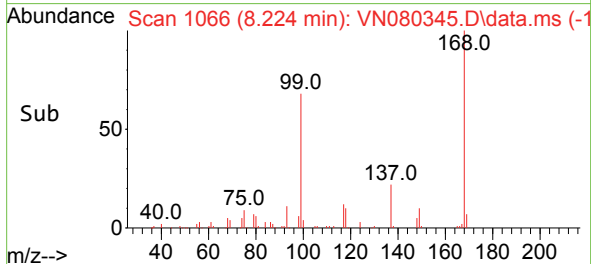
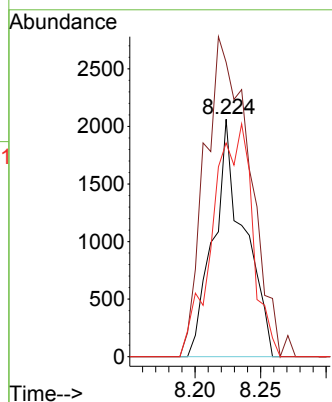


#31
Cyclohexane
Concen: 1.205 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :

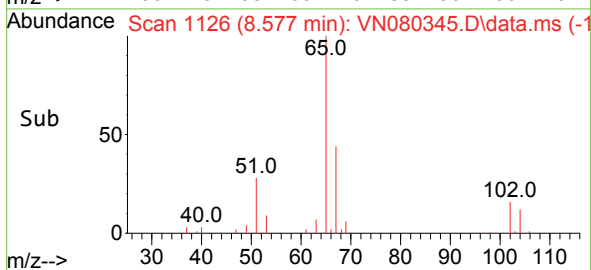
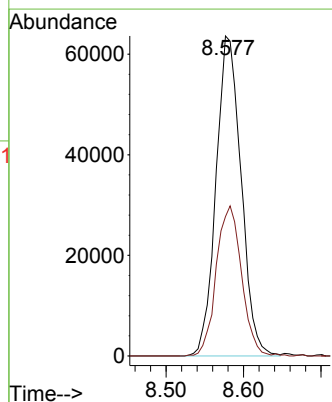
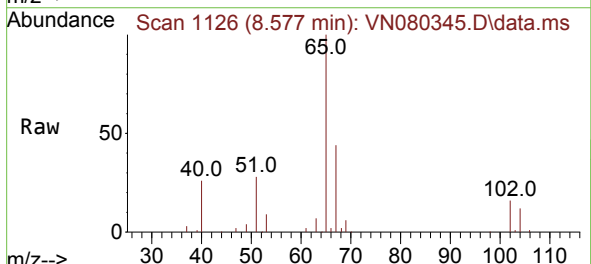


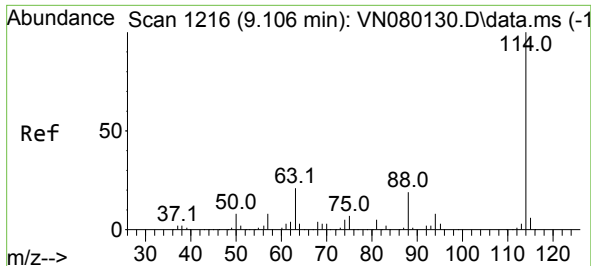
Tgt Ion: 56 Resp: 3354
Ion Ratio Lower Upper
56 100
69 124.0 26.8 40.2#
84 90.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 55.934 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

Tgt Ion: 65 Resp: 143192
Ion Ratio Lower Upper
65 100
67 47.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080345.D

Acq: 04 Dec 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

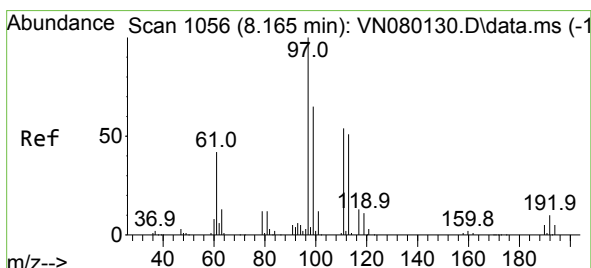
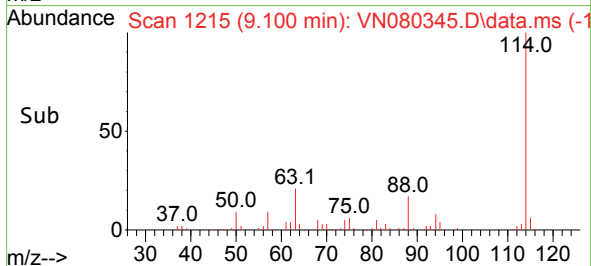
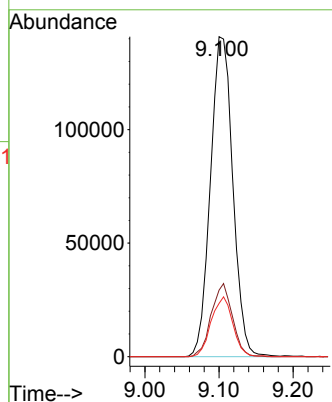
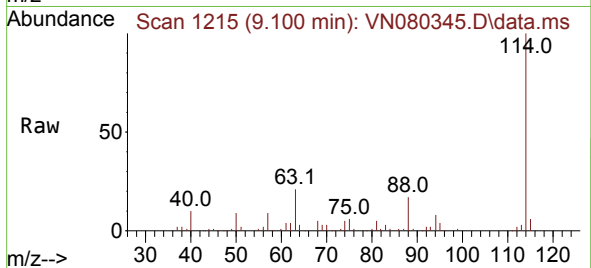
Tgt Ion:114 Resp: 296099

Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.4

88 16.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.370 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080345.D

Acq: 04 Dec 2023 17:57

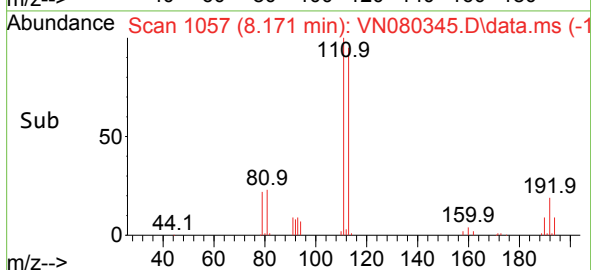
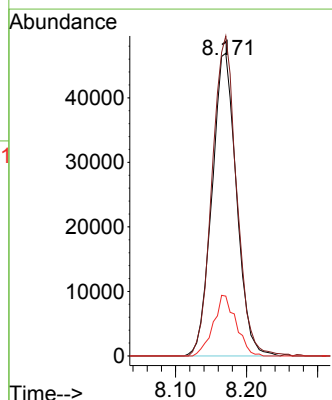
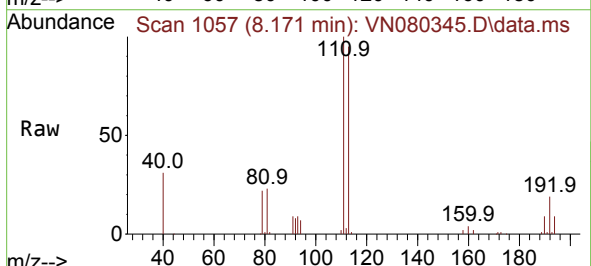
Tgt Ion:113 Resp: 112235

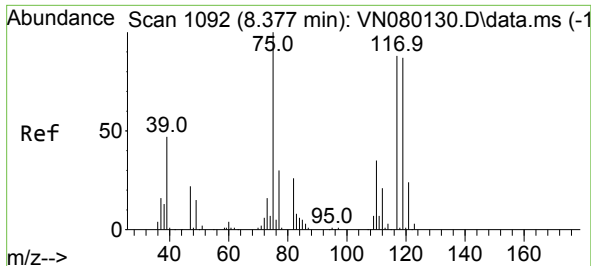
Ion Ratio Lower Upper

113 100

111 105.3 82.6 123.8

192 18.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.309 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

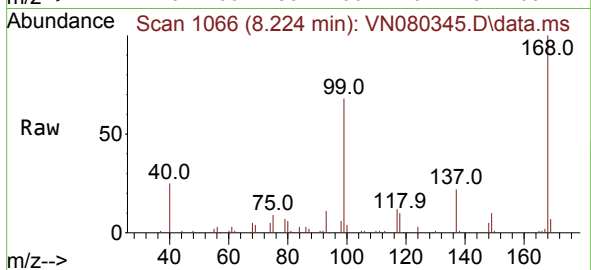
Lab File: VN080345.D

Acq: 04 Dec 2023 17:57

Instrument :

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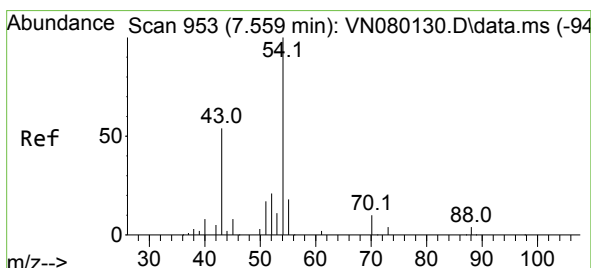
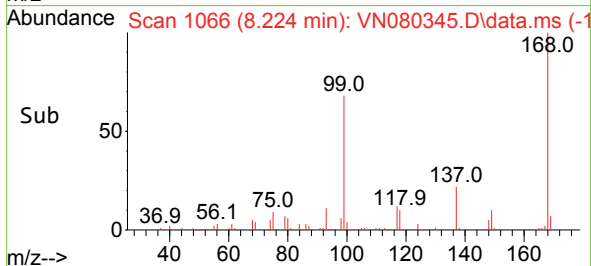
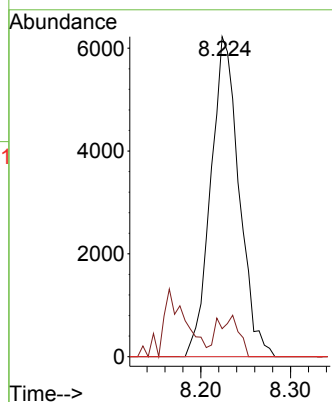
Tgt Ion: 75 Resp: 13629

Ion Ratio Lower Upper

75 100

110 9.9 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.076 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN080345.D

Acq: 04 Dec 2023 17:57

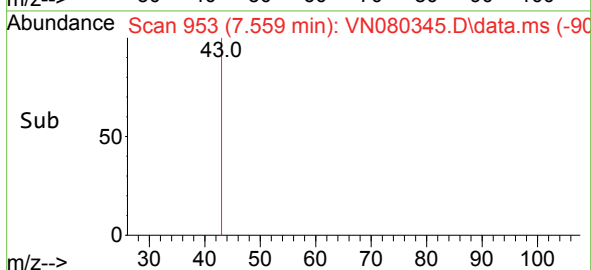
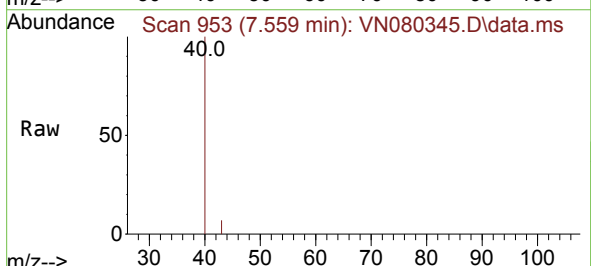
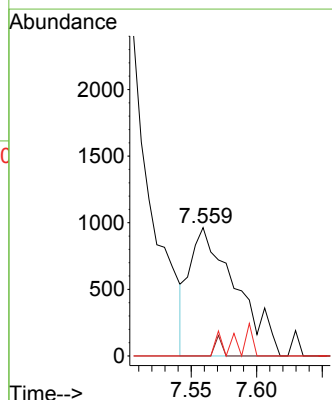
Tgt Ion: 43 Resp: 2360

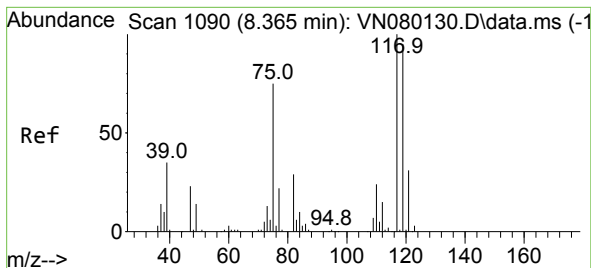
Ion Ratio Lower Upper

43 100

61 2.3 13.2 19.8#

70 2.8 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.602 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

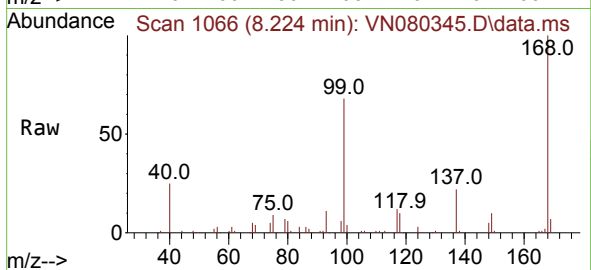
Lab File: VN080345.D

Acq: 04 Dec 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :



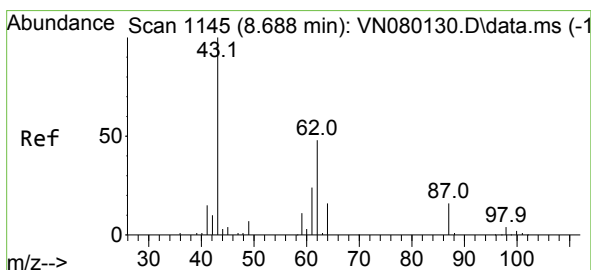
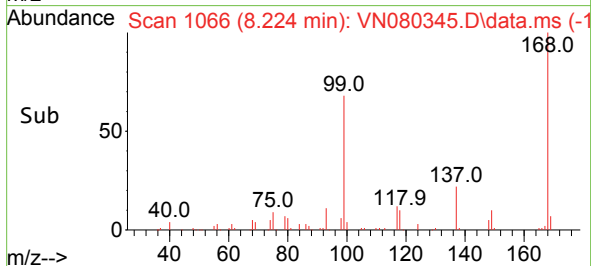
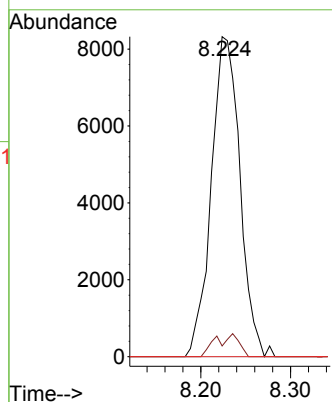
Tgt Ion:117 Resp: 18472

Ion Ratio Lower Upper

117 100

119 3.3 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 30.834 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080345.D

Acq: 04 Dec 2023 17:57

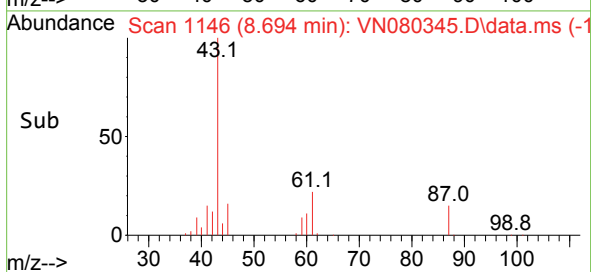
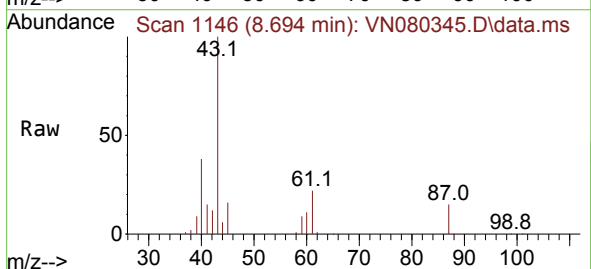
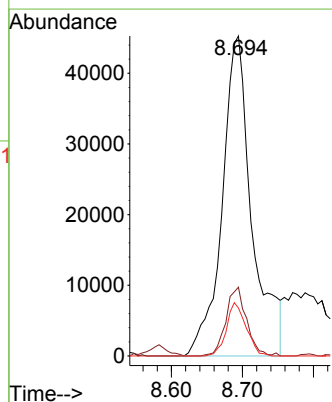
Tgt Ion: 43 Resp: 131650

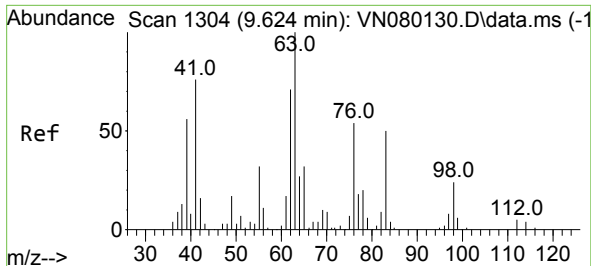
Ion Ratio Lower Upper

43 100

61 15.0 24.7 37.1#

87 11.0 14.6 21.8#

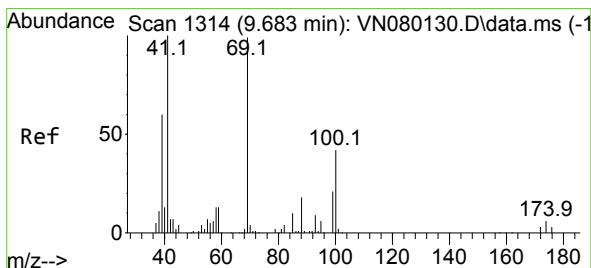
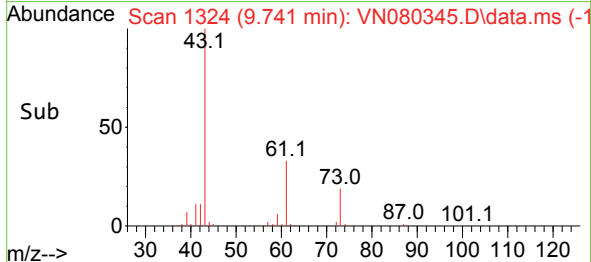
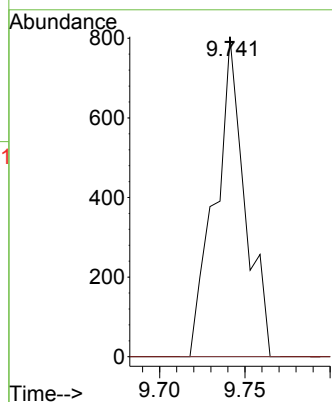
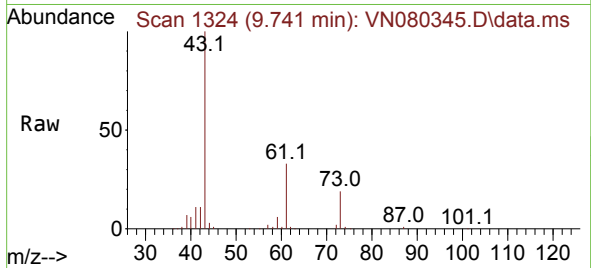




#45
1,2-Dichloropropane
Concen: 0.467 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

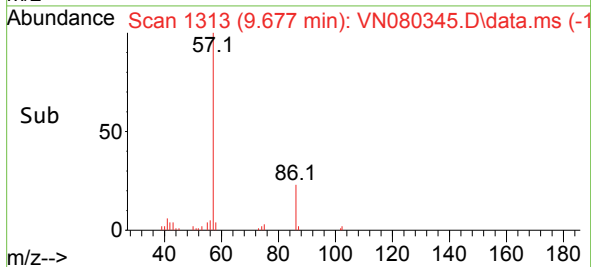
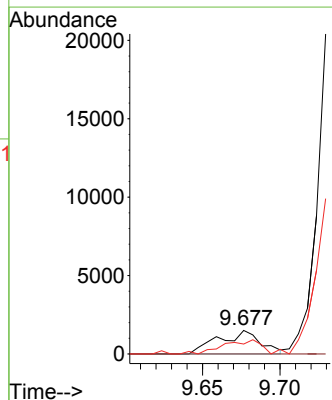
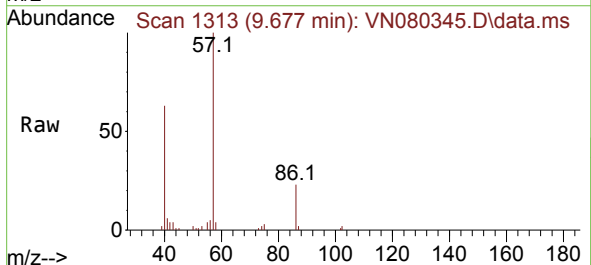
Instrument :
MSVOA_N
ClientSampleId :

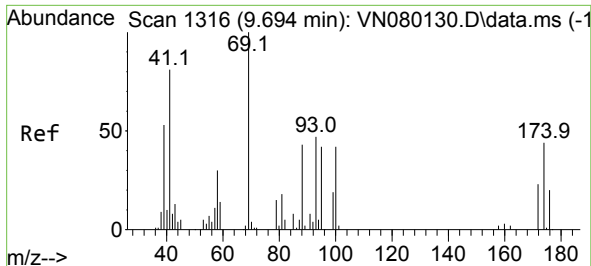
Tgt Ion: 63 Resp: 975
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.280 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

Tgt Ion: 41 Resp: 2817
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 53.8 54.6 81.8#





#49

1,4-Dioxane

Concen: 1.584 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN080345.D

Acq: 04 Dec 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

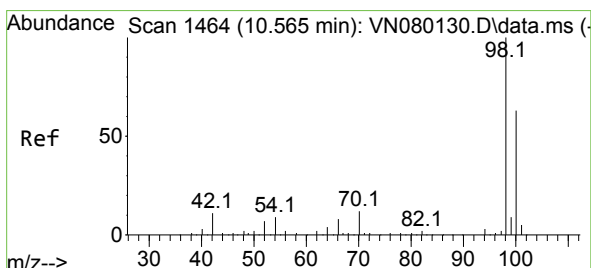
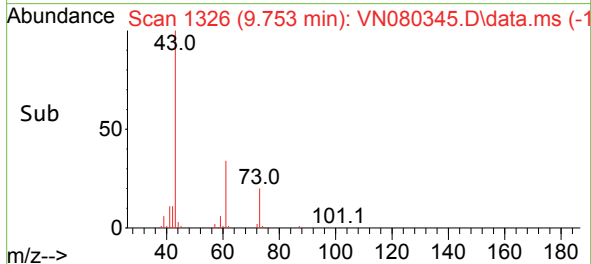
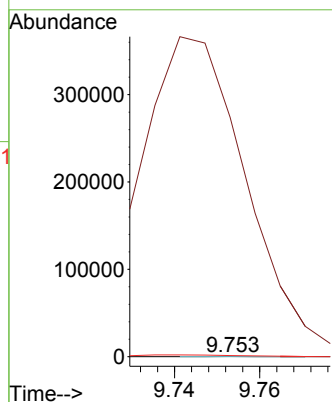
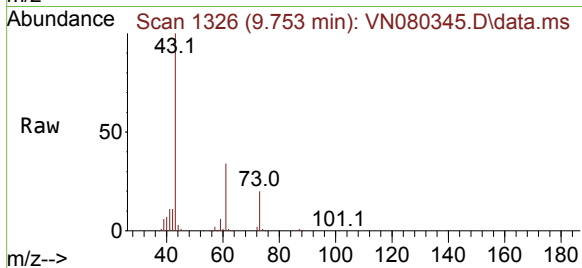
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 1144262.1 17.0 25.6#

58 6612.1 47.0 70.4#



#50

Toluene-d8

Concen: 51.599 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080345.D

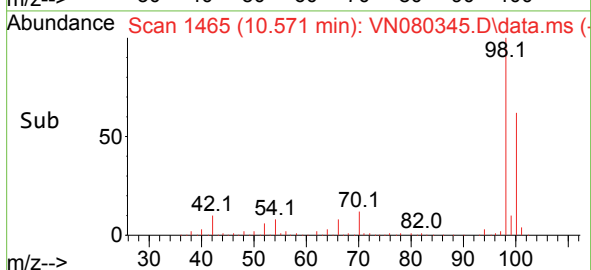
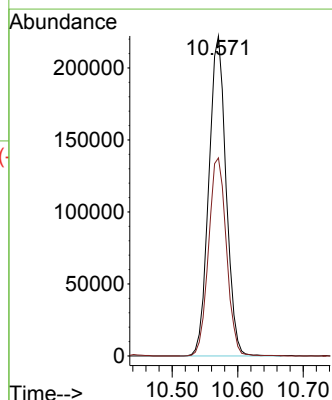
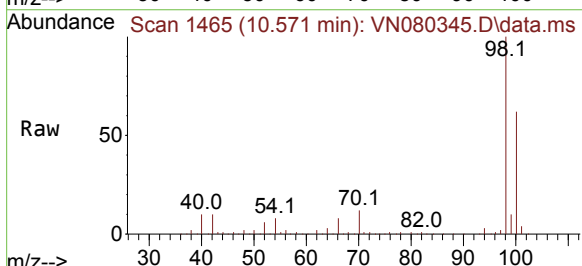
Acq: 04 Dec 2023 17:57

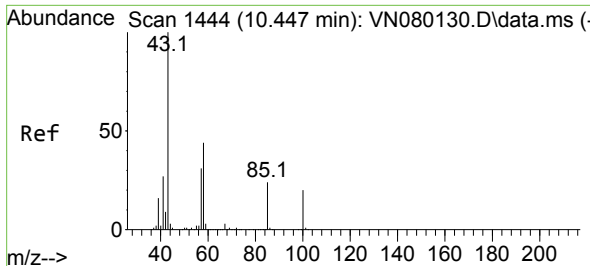
Tgt Ion: 98 Resp: 406385

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0

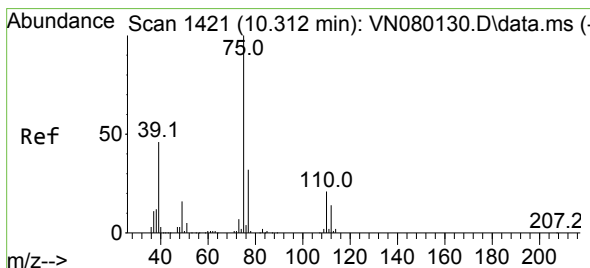
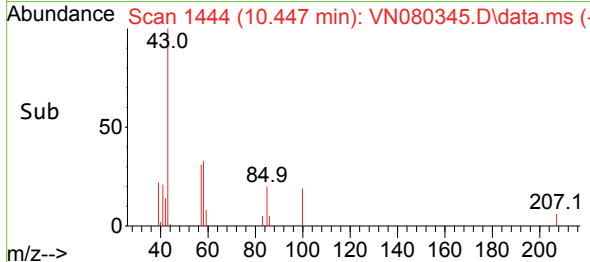
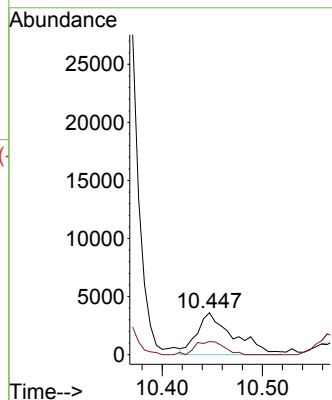
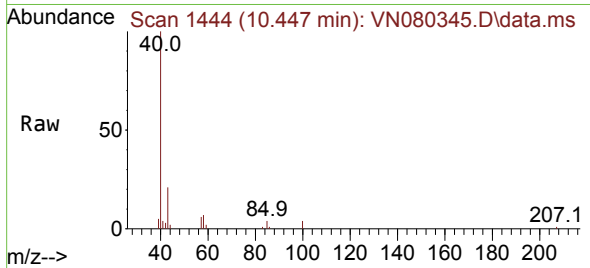




#51
4-Methyl-2-Pentanone
Concen: 4.114 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

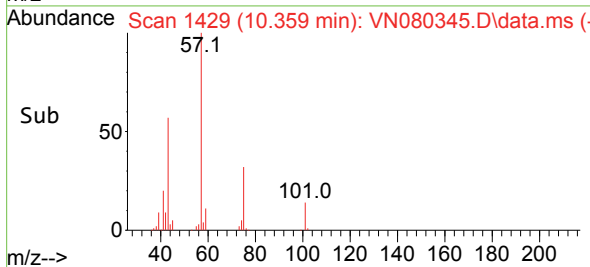
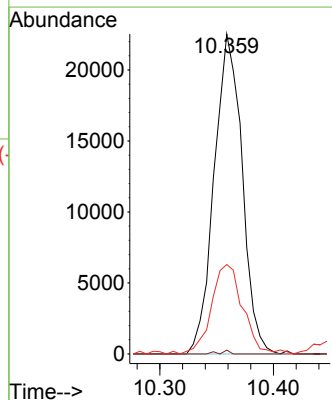
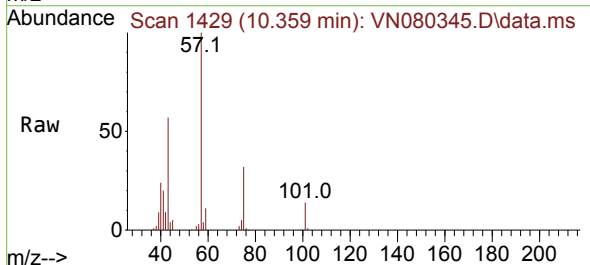
Instrument :
MSVOA_N
ClientSampleId :

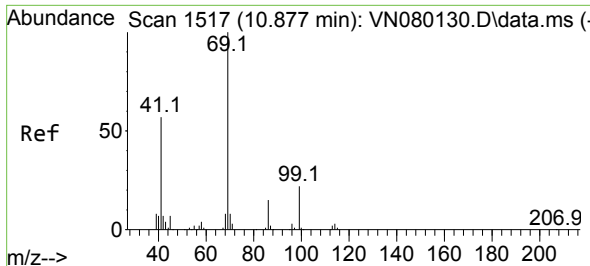
Tgt Ion: 43 Resp: 9094
Ion Ratio Lower Upper
43 100
58 25.2 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 10.536 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

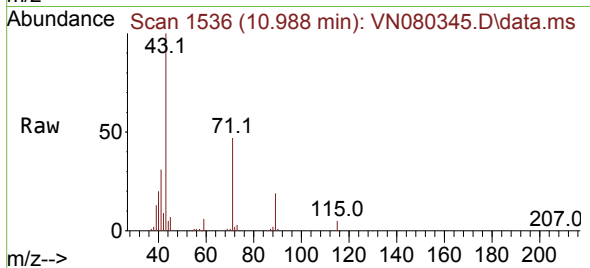
Tgt Ion: 75 Resp: 38474
Ion Ratio Lower Upper
75 100
77 1.2 26.1 39.1#
39 27.9 31.6 47.4#



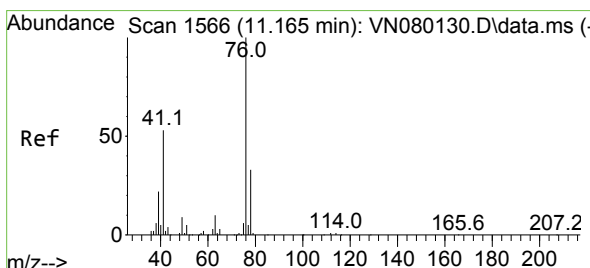
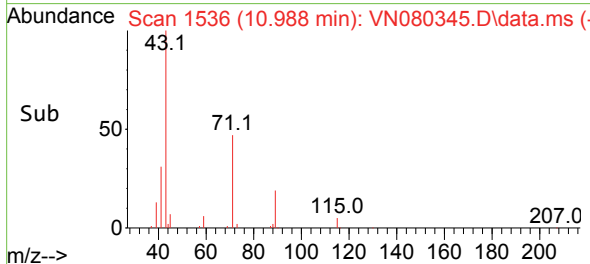
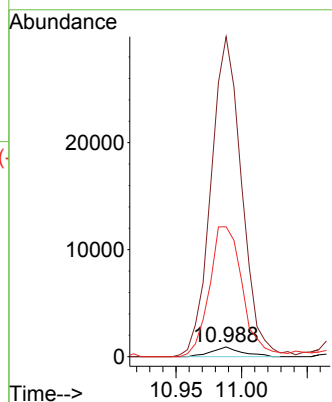


#56
Ethyl methacrylate
Concen: 0.661 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :

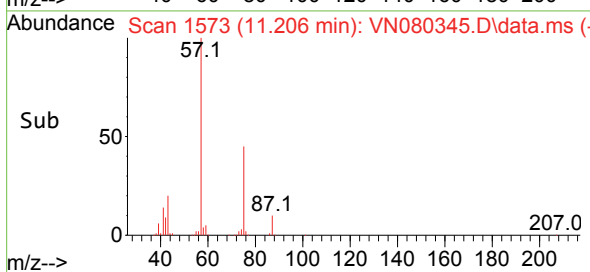
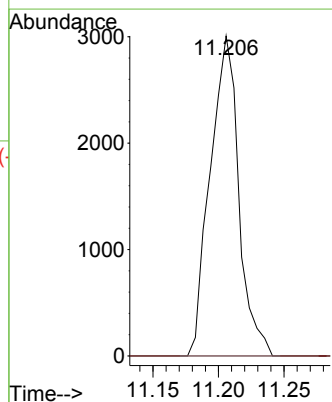
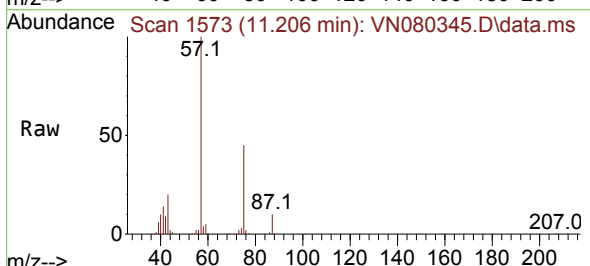


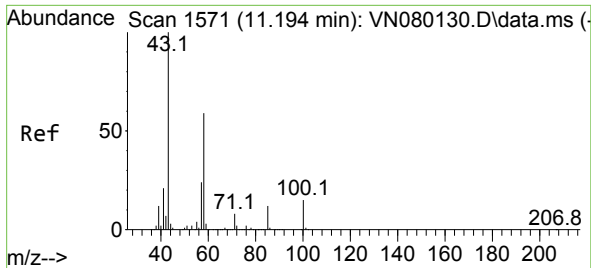
Tgt Ion: 69 Resp: 1449
Ion Ratio Lower Upper
69 100
41 3364.7 39.6 59.4#
39 1474.3 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.217 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

Tgt Ion: 76 Resp: 4561
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

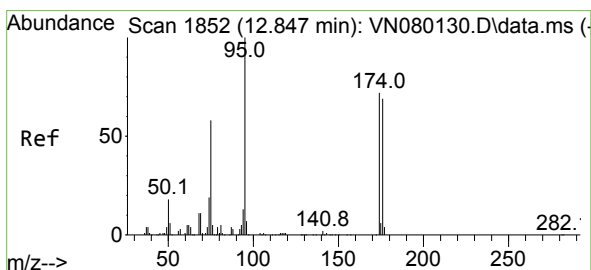
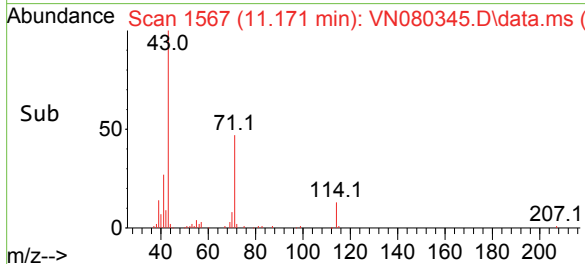
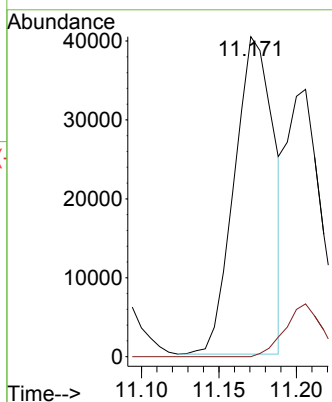
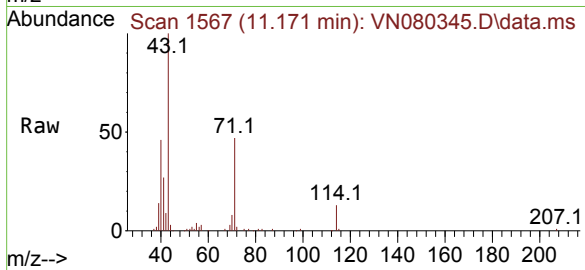




#59
2-Hexanone
Concen: 40.078 ug/l
RT: 11.171 min Scan# 11190
Delta R.T. -0.024 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

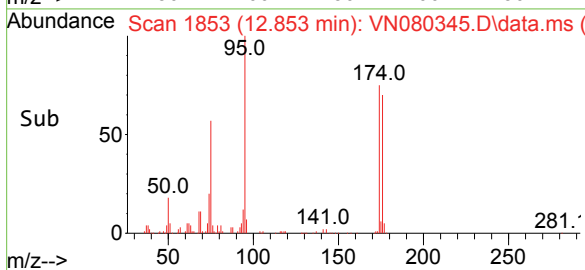
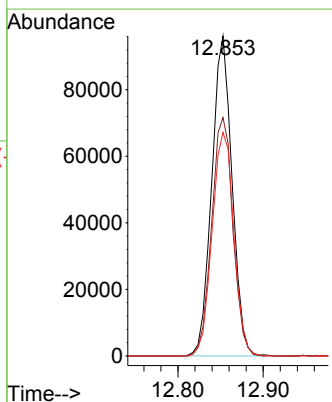
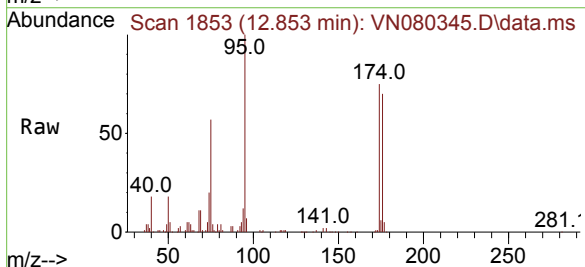
Instrument :
MSVOA_N
ClientSampleId :

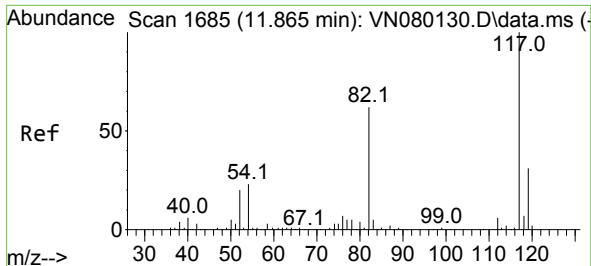
Tgt Ion: 43 Resp: 71190
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.451 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

Tgt Ion: 95 Resp: 159008
Ion Ratio Lower Upper
95 100
174 77.9 0.0 143.8
176 74.4 0.0 135.8

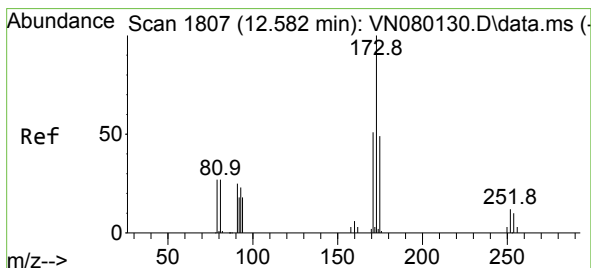
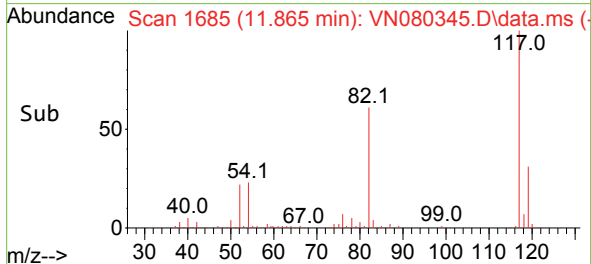
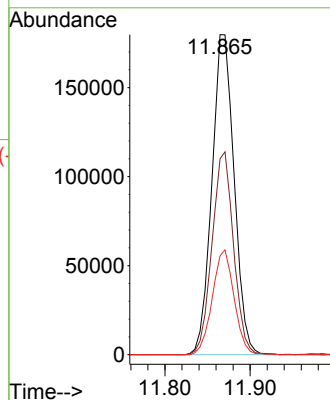
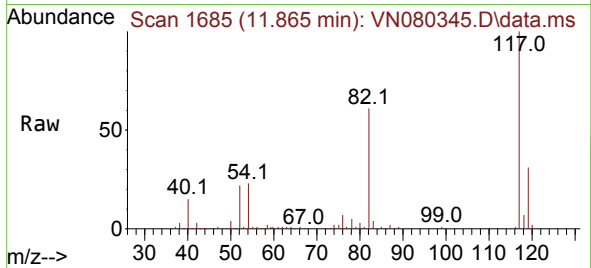




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

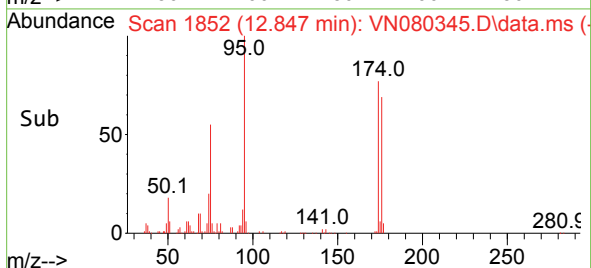
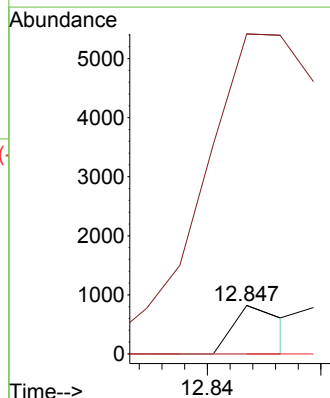
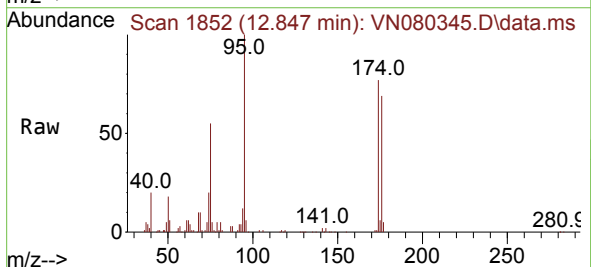
Instrument :
MSVOA_N
ClientSampleId :

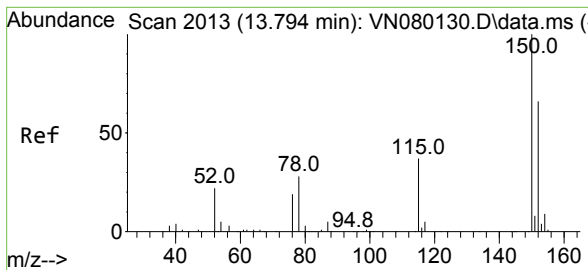
Tgt Ion:117 Resp: 326507
Ion Ratio Lower Upper
117 100
82 61.2 44.0 66.0
119 30.9 25.6 38.4



#71
Bromoform
Concen: 0.237 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

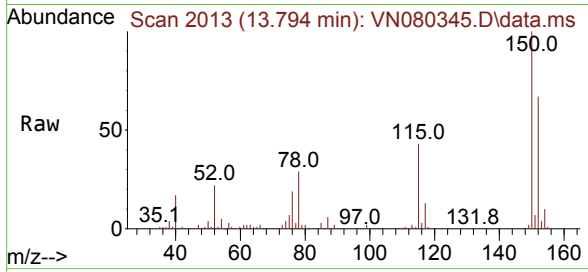
Tgt Ion:173 Resp: 505
Ion Ratio Lower Upper
173 100
175 1504.8 24.3 73.0#
254 0.0 0.0 0.0



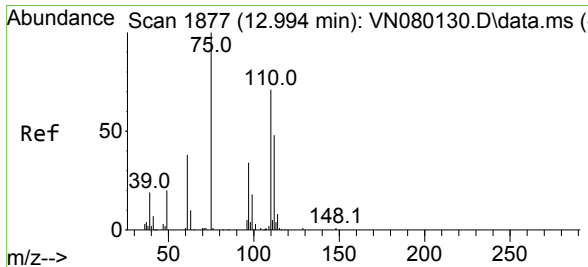
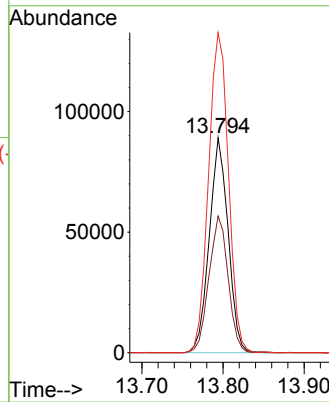
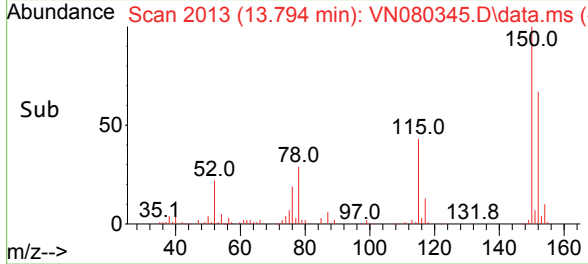


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080345.D
 Acq: 04 Dec 2023 17:57

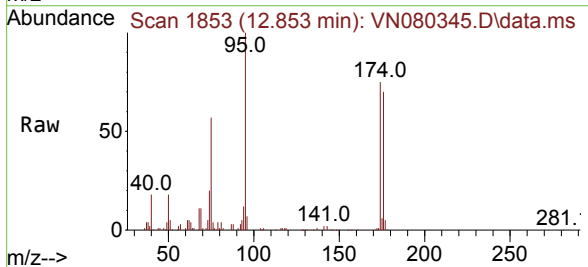
Instrument :
 MSVOA_N
 ClientSampleId :



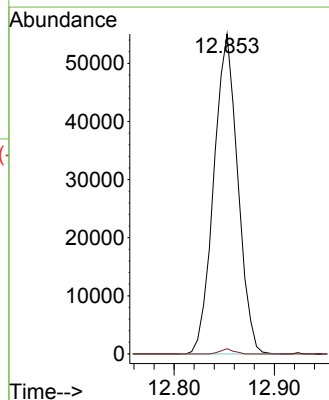
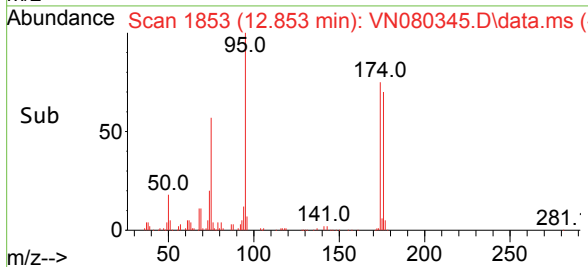
Tgt Ion:152 Resp: 143765
 Ion Ratio Lower Upper
 152 100
 115 64.5 32.3 96.8
 150 156.9 0.0 355.8

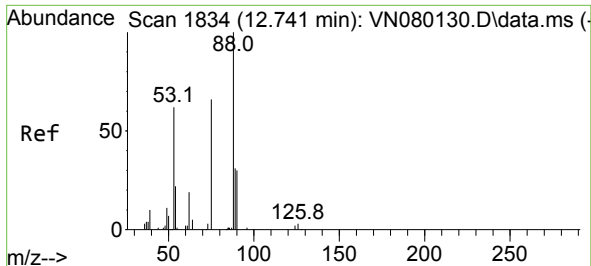


#76
 1,2,3-Trichloropropane
 Concen: 25.908 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080345.D
 Acq: 04 Dec 2023 17:57



Tgt Ion: 75 Resp: 91261
 Ion Ratio Lower Upper
 75 100
 77 0.9 84.5 253.5#

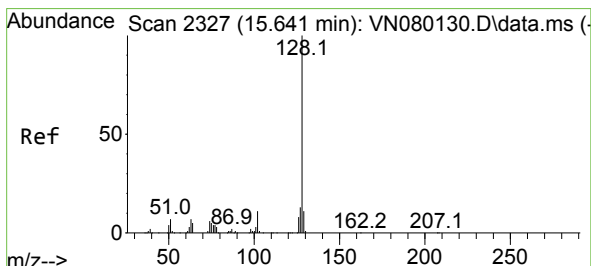
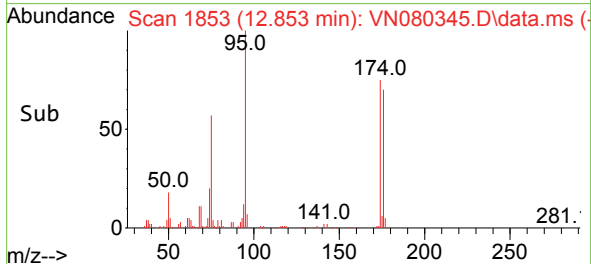
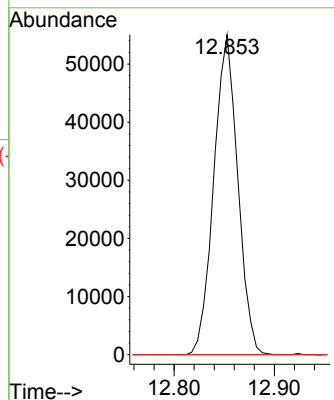
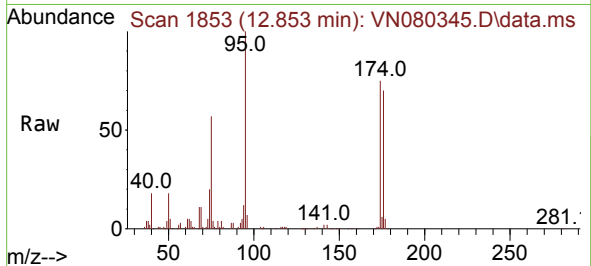




#81
trans-1,4-Dichloro-2-butene
Concen: 87.533 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 91261
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.923 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN080345.D
Acq: 04 Dec 2023 17:57

Tgt Ion:128 Resp: 7558
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 12.7 8.7 13.1

