

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
 Data File : VN078995.D
 Acq On : 22 Aug 2023 15:35
 Operator : JC\MD
 Sample : PB154968ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 23 03:03:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

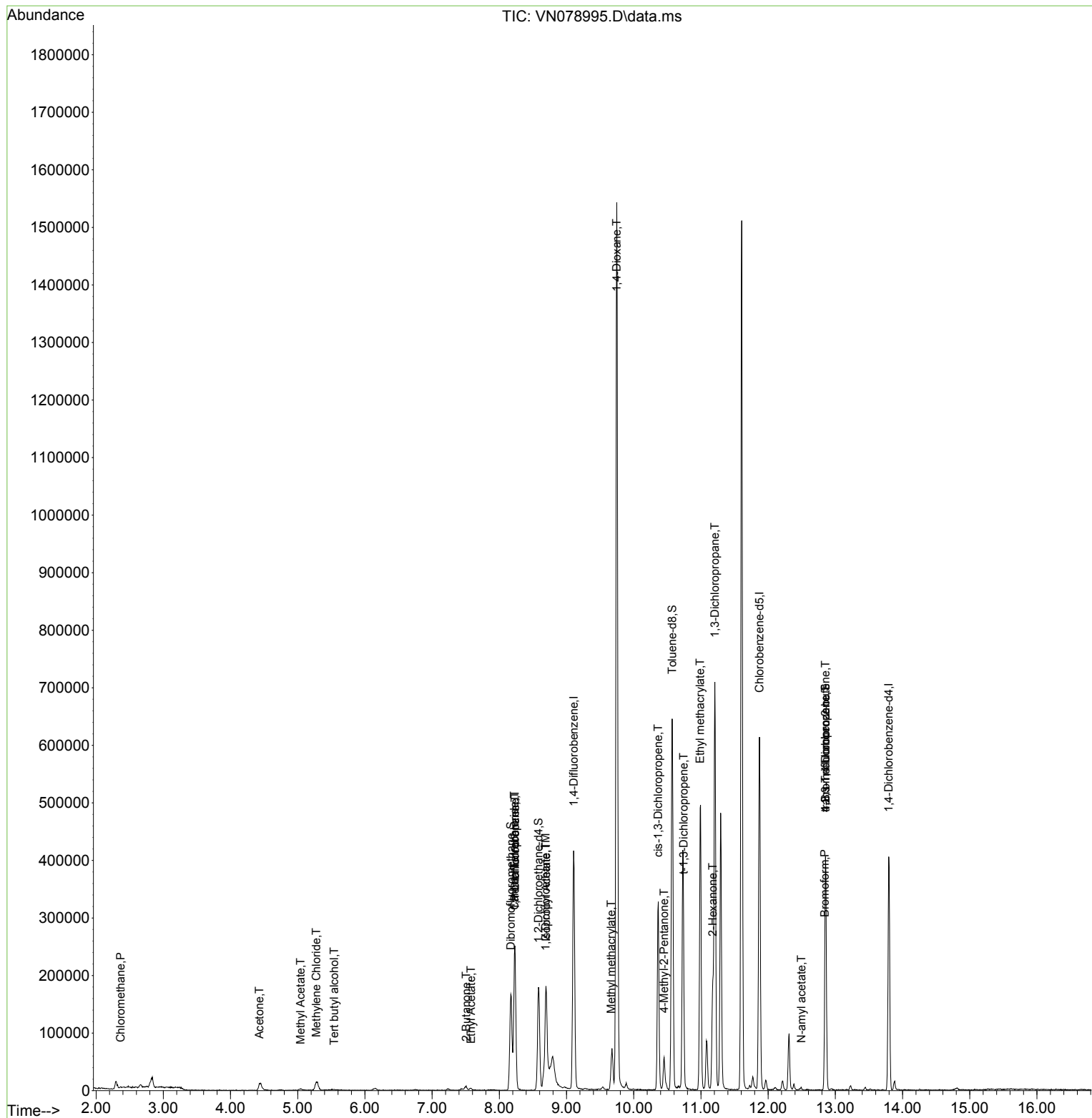
Internal Standards						
1) Pentafluorobenzene	8.230	168	173957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	344195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	334651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	145312	53.682	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.360%	
35) Dibromofluoromethane	8.171	113	118783	51.267	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.540%	
50) Toluene-d8	10.571	98	435074	50.572	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.140%	
62) 4-Bromofluorobenzene	12.853	95	135225	48.089	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	829	0.246	ug/l #	84
11) Tert butyl alcohol	5.542	59	551	1.213	ug/l #	72
16) Acetone	4.430	43	25613	22.932	ug/l #	76
18) Methyl Acetate	5.042	43	4692	0.994	ug/l #	77
20) Methylene Chloride	5.277	84	11284	4.741	ug/l #	76
25) 2-Butanone	7.506	43	10703	5.977	ug/l	94
31) Cyclohexane	8.224	56	4723	Below Cal	#	55
36) 1,1-Dichloropropene	8.236	75	15323	4.397	ug/l #	50
37) Ethyl Acetate	7.577	43	5782	1.483	ug/l #	72
38) Carbon Tetrachloride	8.224	117	19593	5.611	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1342	0.349	ug/l #	73
43) Isopropyl Acetate	8.694	43	229763	33.336	ug/l #	71
48) Methyl methacrylate	9.665	41	4722	1.512	ug/l #	35
49) 1,4-Dioxane	9.747	88	232	4.361	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	42912	10.497	ug/l #	79
53) t-1,3-Dichloropropene	10.741	75	969	0.243	ug/l #	88
54) cis-1,3-Dichloropropene	10.365	75	53315	12.288	ug/l #	71
56) Ethyl methacrylate	10.988	69	2255	0.574	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7375	1.626	ug/l #	42
59) 2-Hexanone	11.177	43	157827	53.305	ug/l #	19
71) Bromoform	12.841	173	411	0.210	ug/l #	1
74) N-amyl acetate	12.494	43	1291	0.297	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	73071	29.319	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	73071	74.897	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.447	75	62	Below Cal	#	4

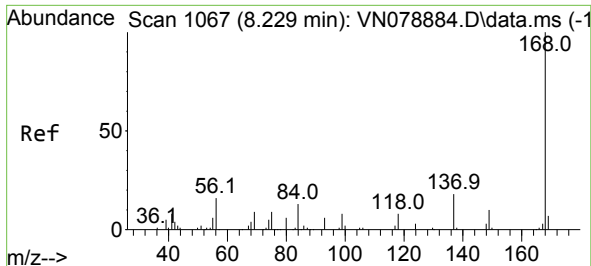
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN078995.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

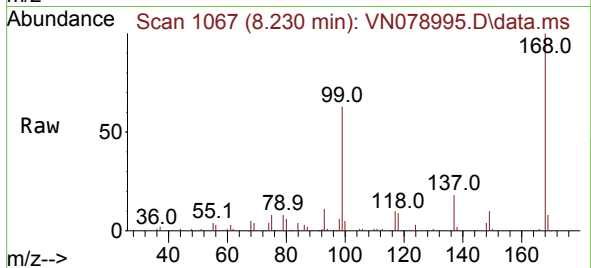
Quant Time: Aug 23 03:03:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration



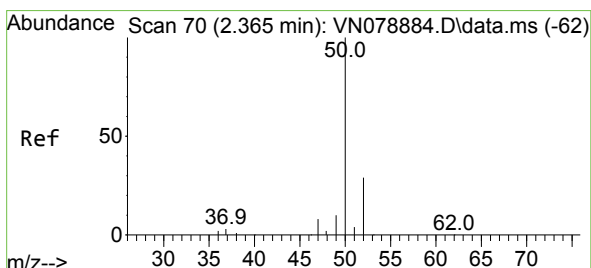
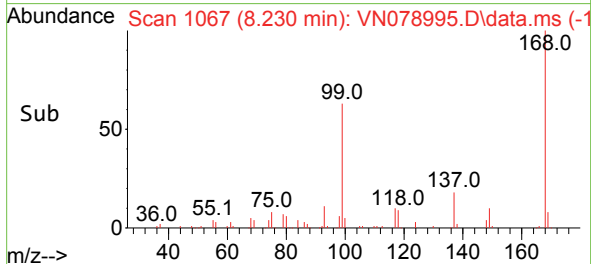
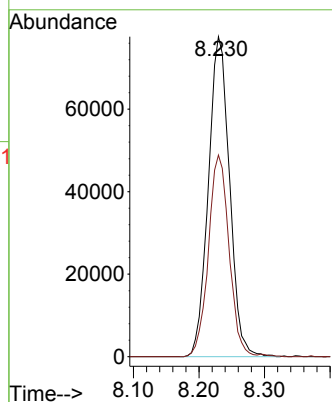


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

Instrument :
MSVOA_N
ClientSampleId :

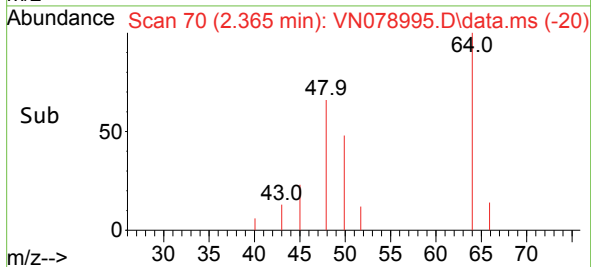
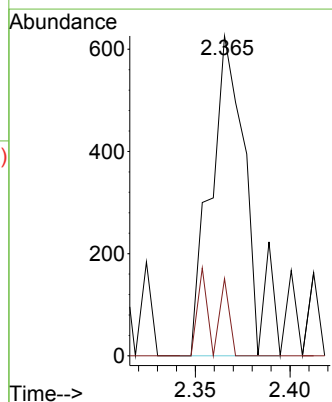
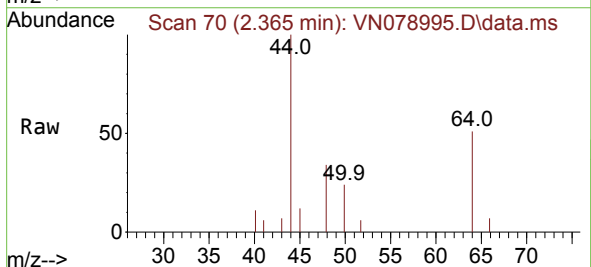


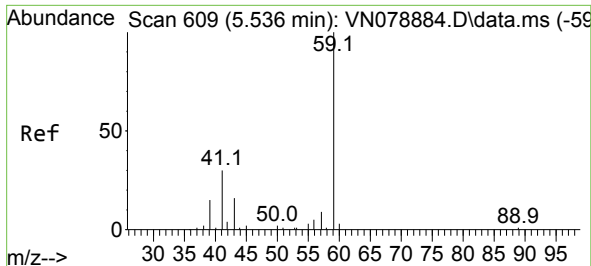
Tgt Ion:168 Resp: 173957
Ion Ratio Lower Upper
168 100
99 63.0 53.0 79.6



#3
Chloromethane
Concen: 0.246 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

Tgt Ion: 50 Resp: 829
Ion Ratio Lower Upper
50 100
52 24.1 26.5 39.7#

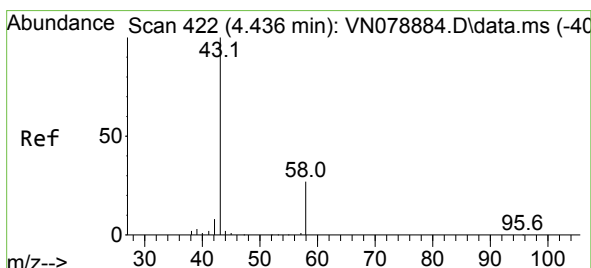
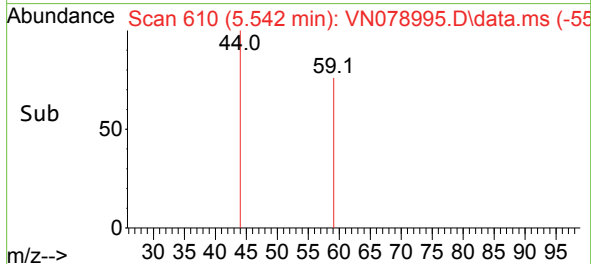
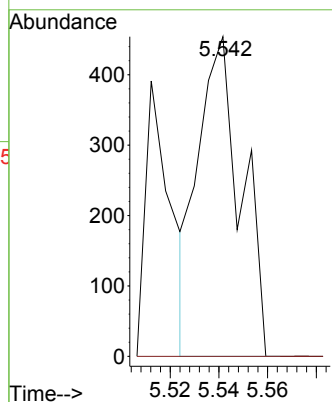
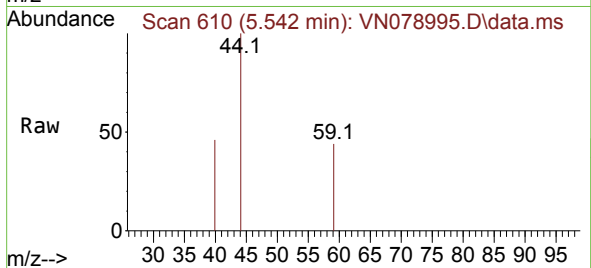




#11
Tert butyl alcohol
Concen: 1.213 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

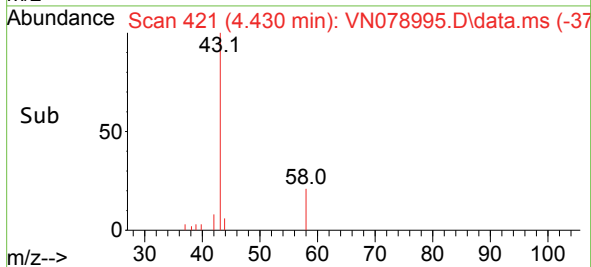
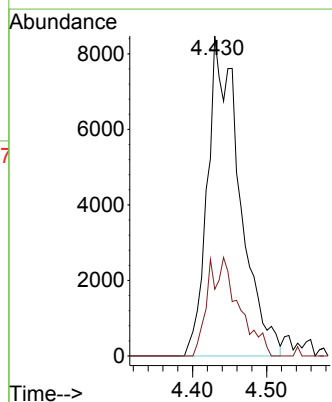
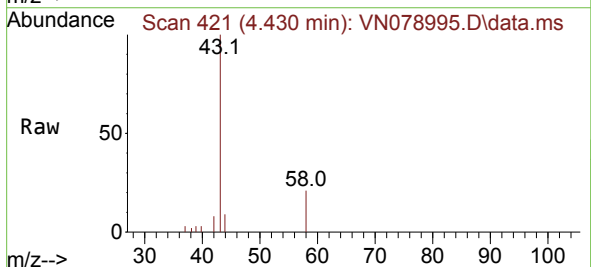
Instrument :
MSVOA_N
ClientSampleId :

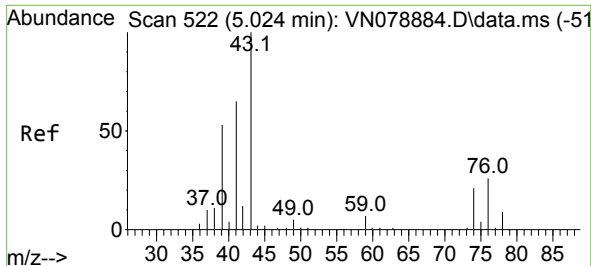
Tgt Ion: 59 Resp: 551
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 22.932 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.012 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

Tgt Ion: 43 Resp: 25613
Ion Ratio Lower Upper
43 100
58 20.8 28.0 42.0#

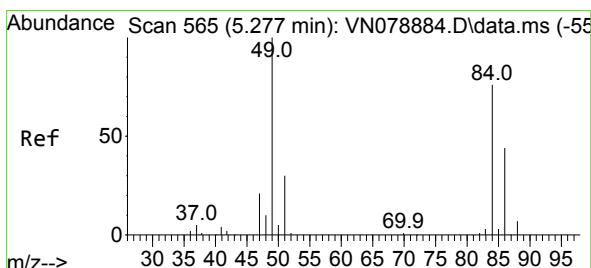
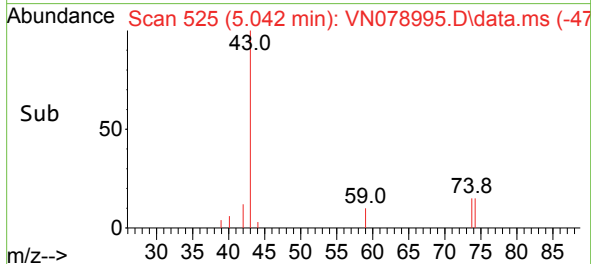
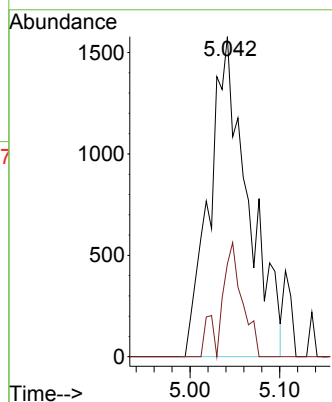
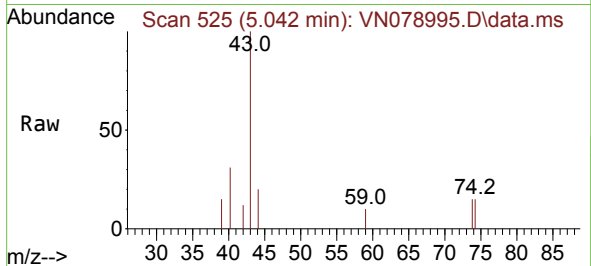




#18
Methyl Acetate
Concen: 0.994 ug/l
RT: 5.042 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

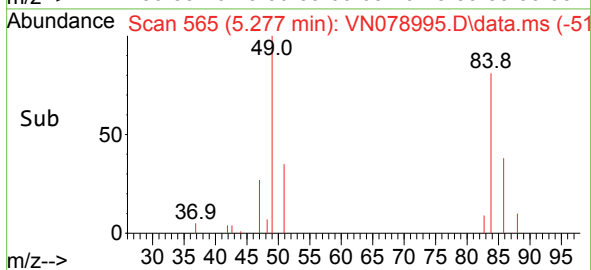
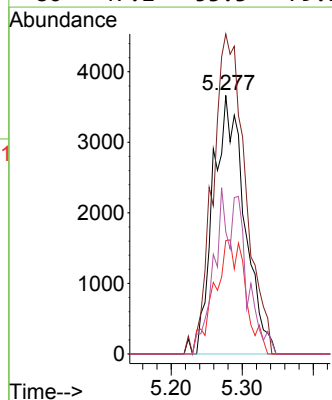
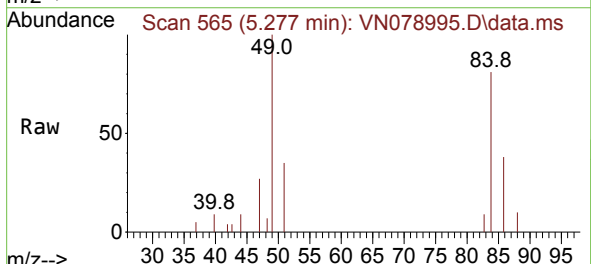
Instrument :
MSVOA_N
ClientSampleId :

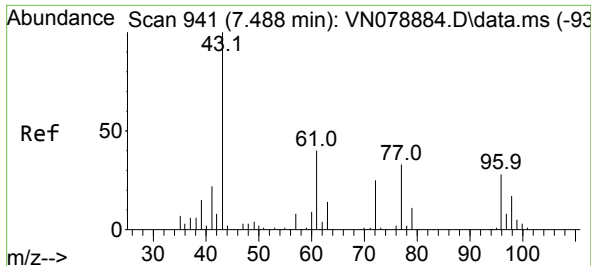
Tgt Ion: 43 Resp: 4692
Ion Ratio Lower Upper
43 100
74 19.9 26.2 39.4#



#20
Methylene Chloride
Concen: 4.741 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

Tgt Ion: 84 Resp: 11284
Ion Ratio Lower Upper
84 100
49 123.7 79.7 119.5#
51 43.8 25.2 37.8#
86 47.2 53.3 79.9#





#25

2-Butanone

Concen: 5.977 ug/l

RT: 7.506 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN078995.D

Acq: 22 Aug 2023 15:35

Instrument :

MSVOA_N

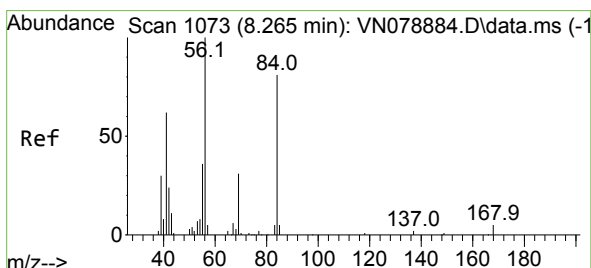
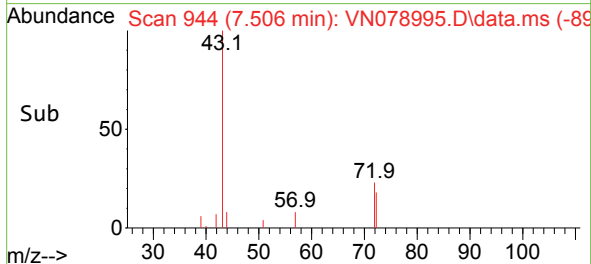
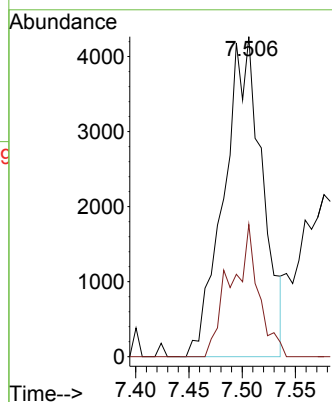
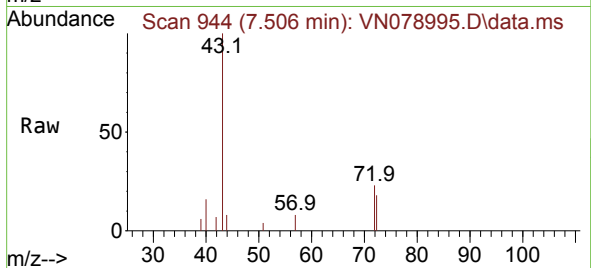
ClientSampleId :

Tgt Ion: 43 Resp: 10703

Ion Ratio Lower Upper

43 100

72 41.3 30.2 45.2



#31

Cyclohexane

Concen: Below Cal

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

Lab File: VN078995.D

Acq: 22 Aug 2023 15:35

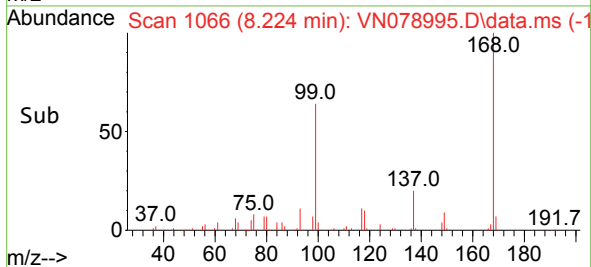
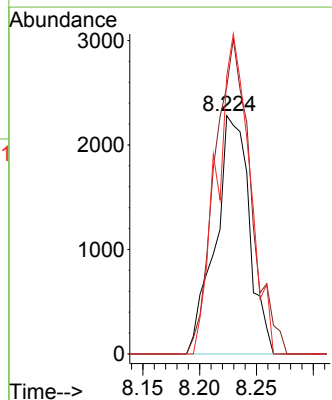
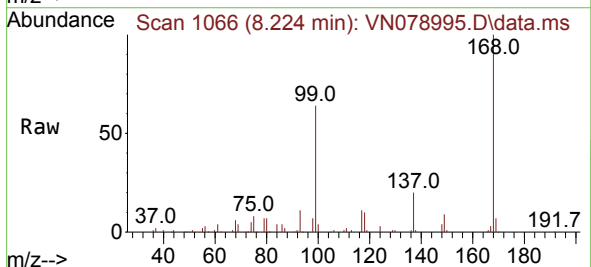
Tgt Ion: 56 Resp: 4723

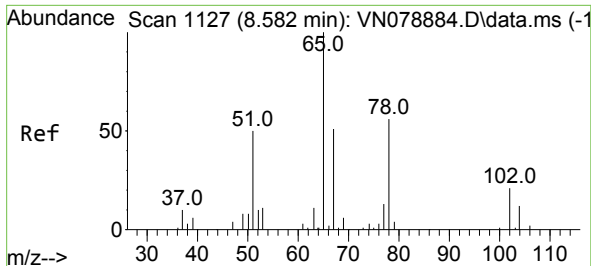
Ion Ratio Lower Upper

56 100

69 112.1 26.8 40.2#

84 116.7 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 53.682 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078995.D

Acq: 22 Aug 2023 15:35

Instrument :

MSVOA_N

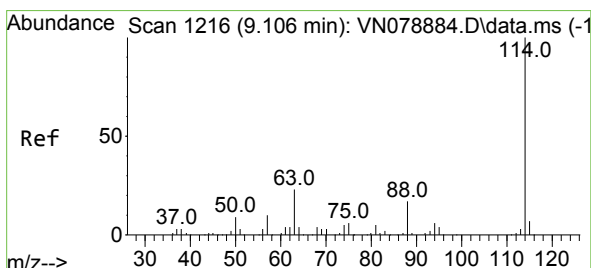
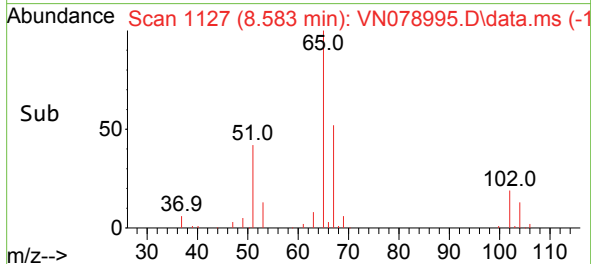
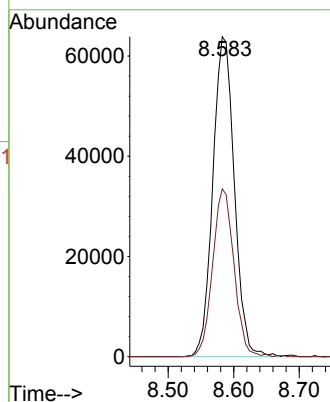
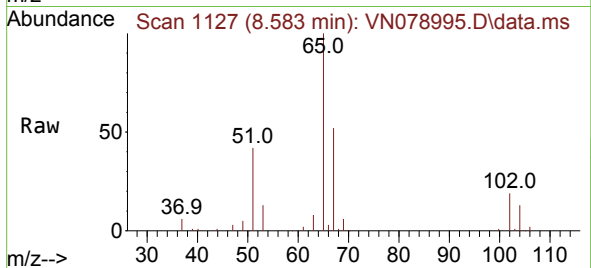
ClientSampleId :

Tgt Ion: 65 Resp: 145312

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN078995.D

Acq: 22 Aug 2023 15:35

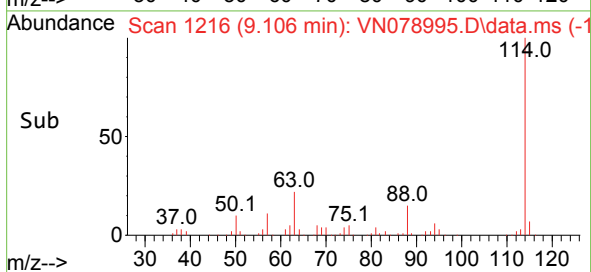
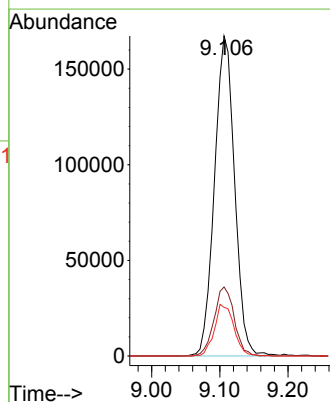
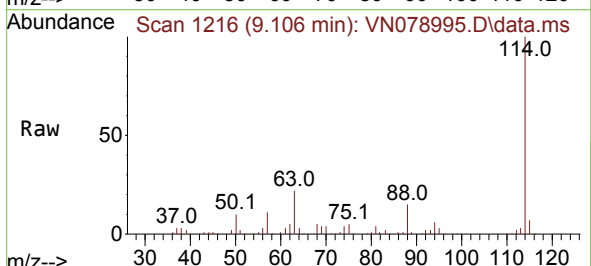
Tgt Ion: 114 Resp: 344195

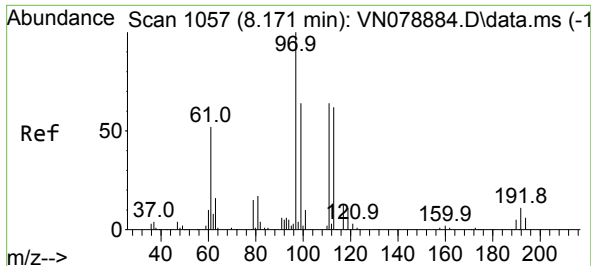
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

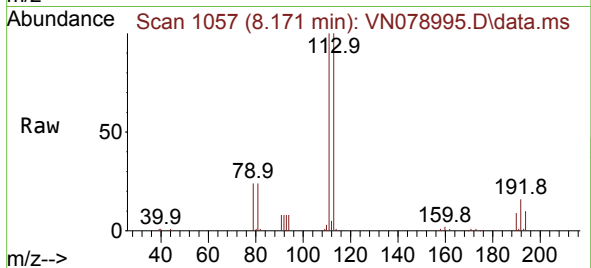
88 15.2 0.0 30.6



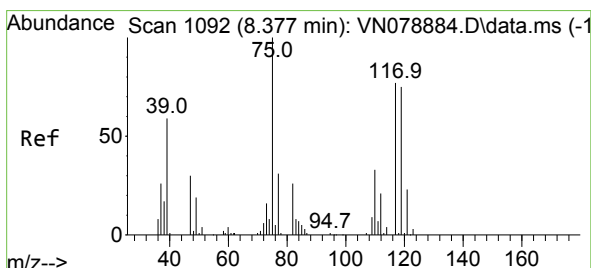
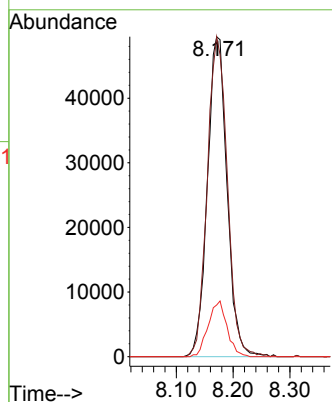
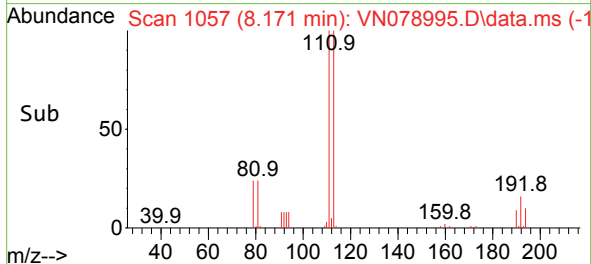


#35
Dibromofluoromethane
Concen: 51.267 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

Instrument :
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ClientSampleId :

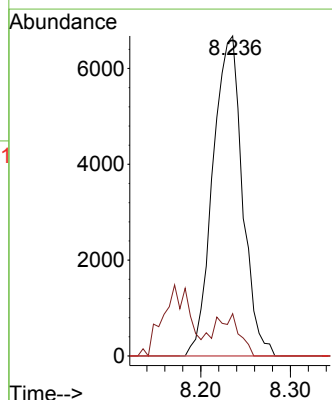
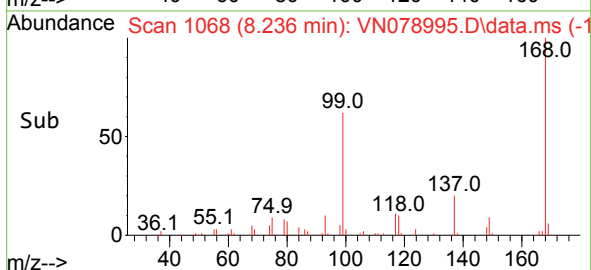
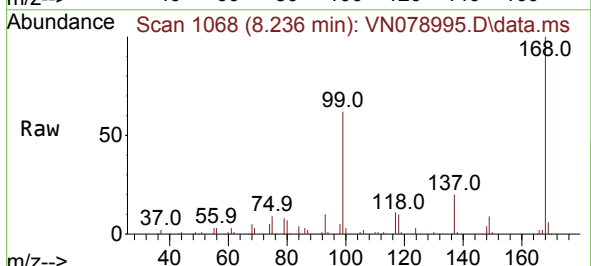


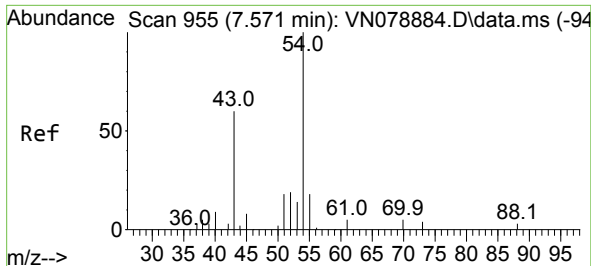
Tgt Ion:113 Resp: 118783
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 16.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.397 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

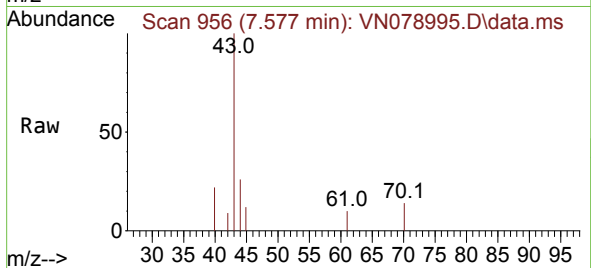
Tgt Ion: 75 Resp: 15323
Ion Ratio Lower Upper
75 100
110 11.4 19.1 57.3#
77 0.0 25.0 37.4#



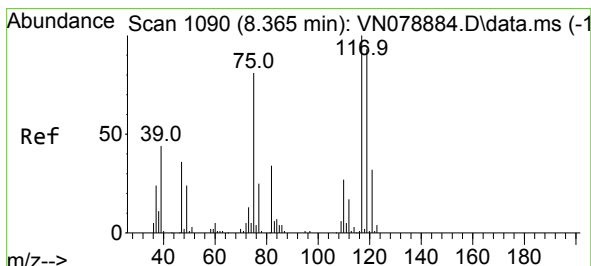
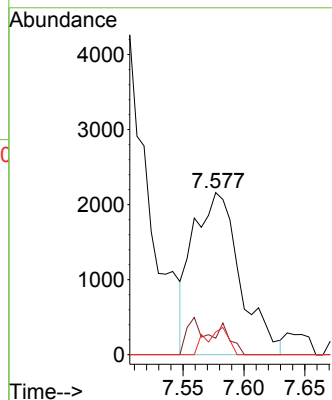
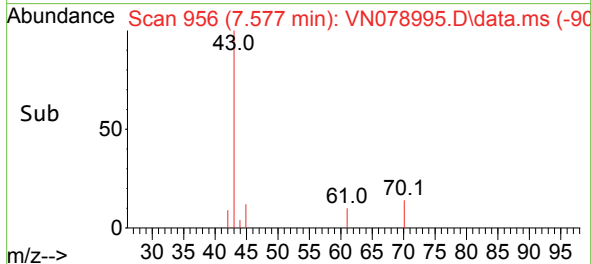


#37
Ethyl Acetate
Concen: 1.483 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

Instrument :
MSVOA_N
ClientSampleId :

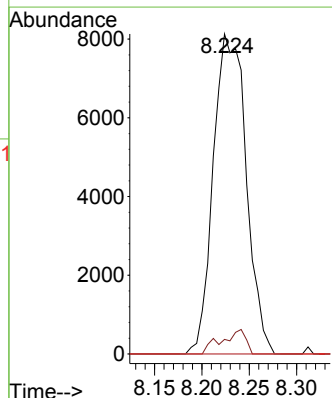
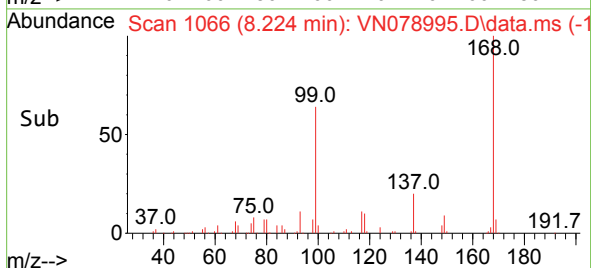
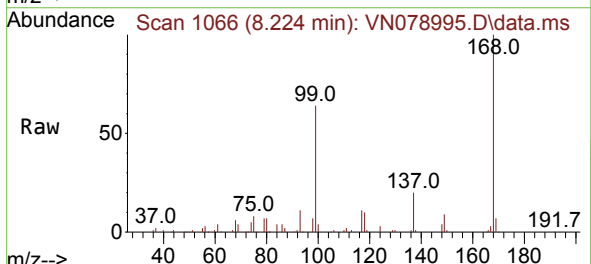


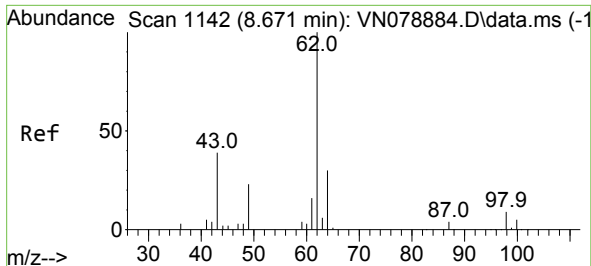
Tgt Ion: 43 Resp: 5782
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 7.9 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.611 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

Tgt Ion: 117 Resp: 19593
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.349 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.011 min

Lab File: VN078995.D

Acq: 22 Aug 2023 15:35

Instrument :

MSVOA_N

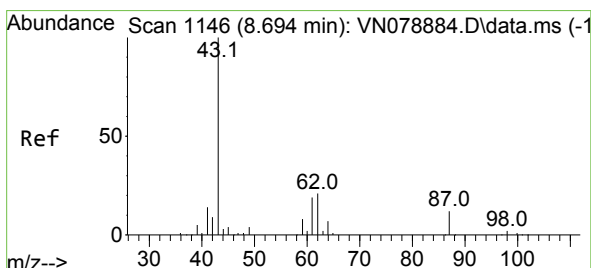
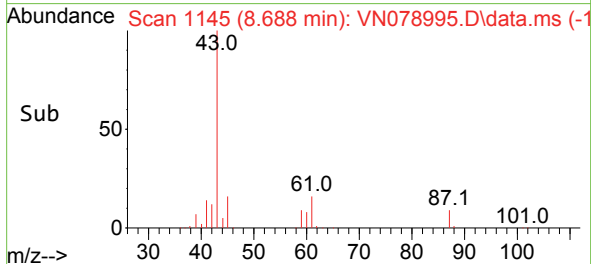
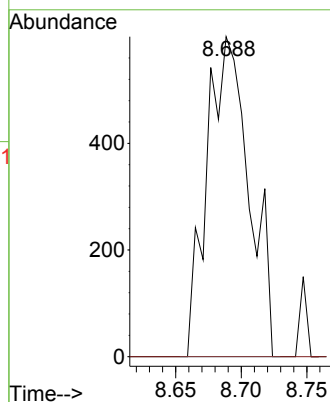
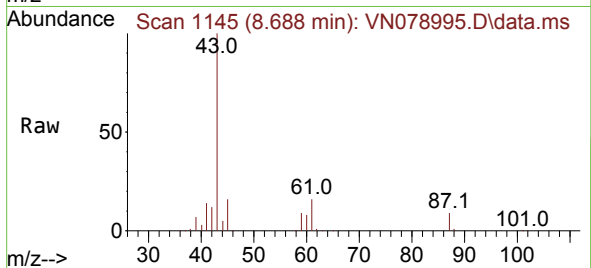
ClientSampleId :

Tgt Ion: 62 Resp: 1342

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 33.336 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078995.D

Acq: 22 Aug 2023 15:35

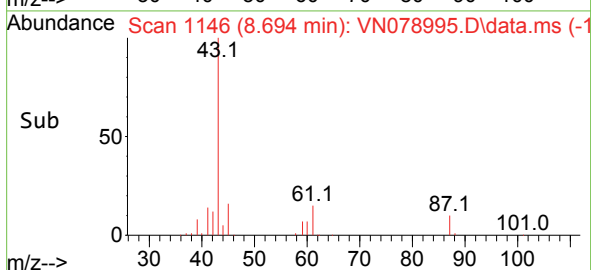
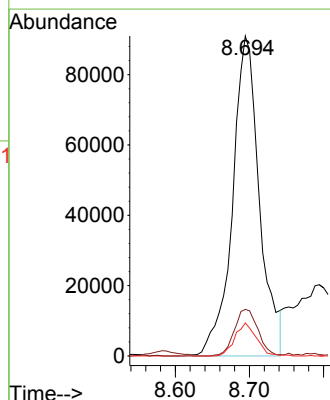
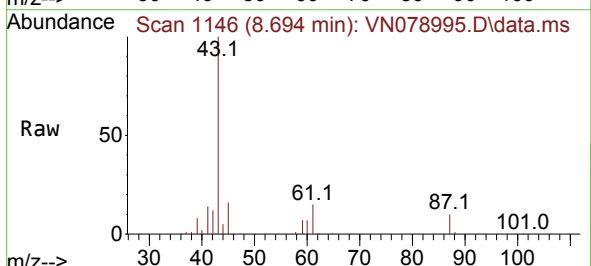
Tgt Ion: 43 Resp: 229763

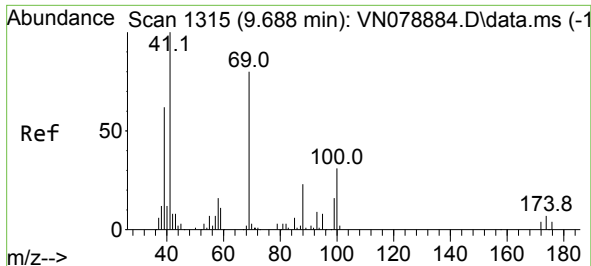
Ion Ratio Lower Upper

43 100

61 12.8 24.7 37.1#

87 8.2 14.6 21.8#

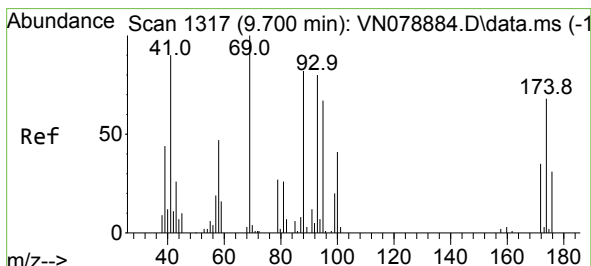
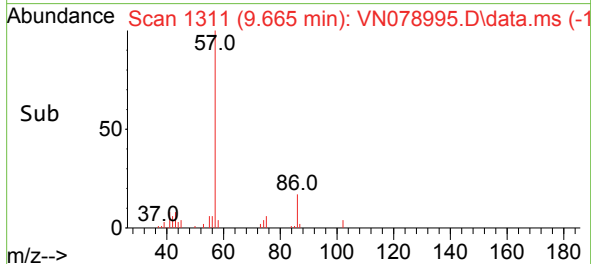
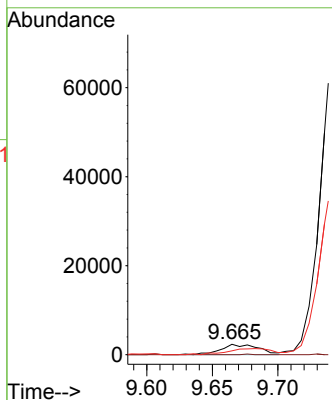
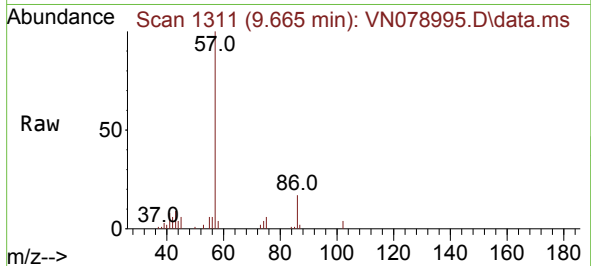




#48
Methyl methacrylate
Concen: 1.512 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

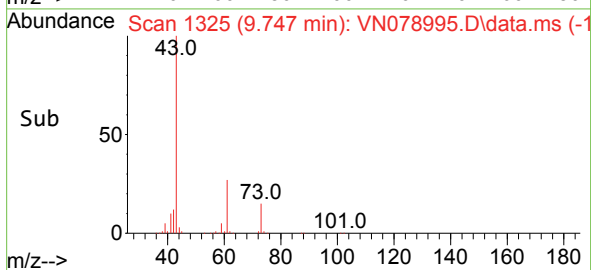
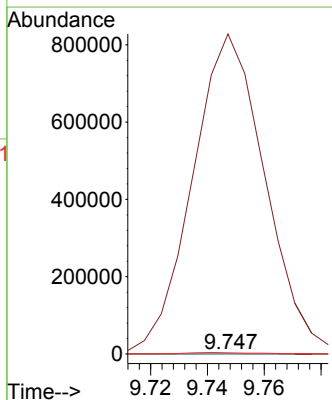
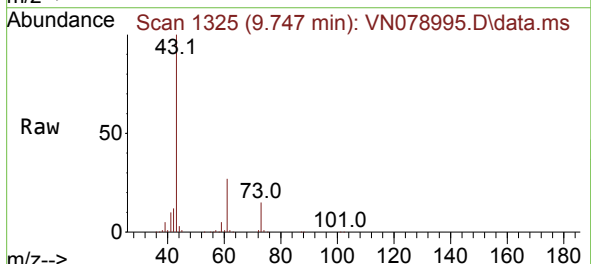
Instrument :
MSVOA_N
ClientSampleId :

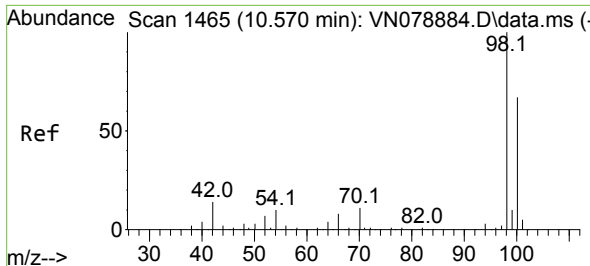
Tgt Ion: 41 Resp: 4722
Ion Ratio Lower Upper
41 100
69 1.2 90.4 135.6#
39 67.6 54.6 81.8



#49
1,4-Dioxane
Concen: 4.361 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

Tgt Ion: 88 Resp: 232
Ion Ratio Lower Upper
88 100
43 639605.2 17.0 25.6#
58 2825.0 47.0 70.4#

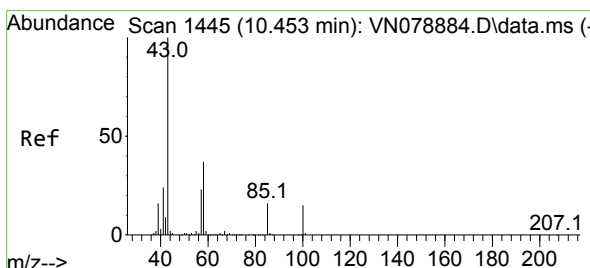
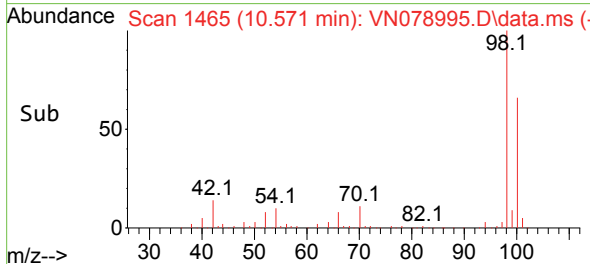
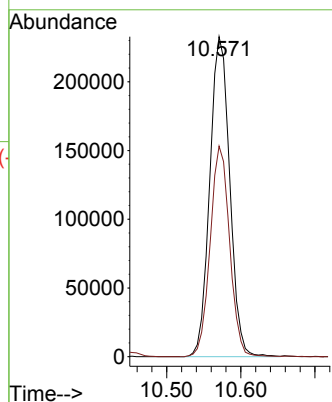
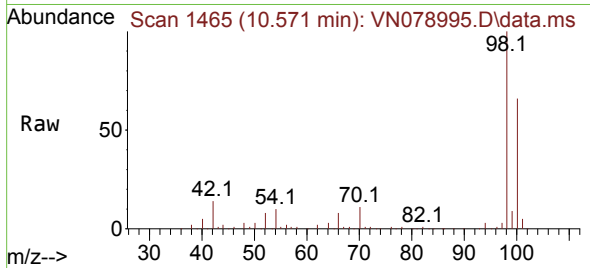




#50
Toluene-d8
Concen: 50.572 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

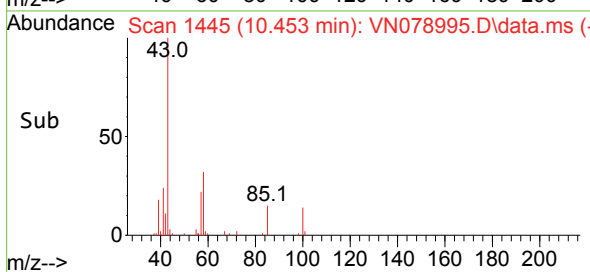
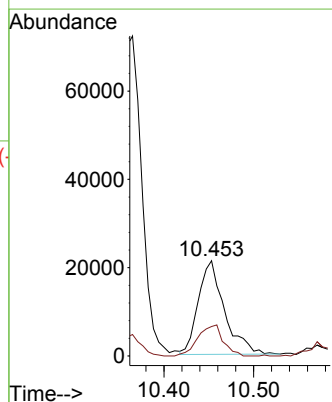
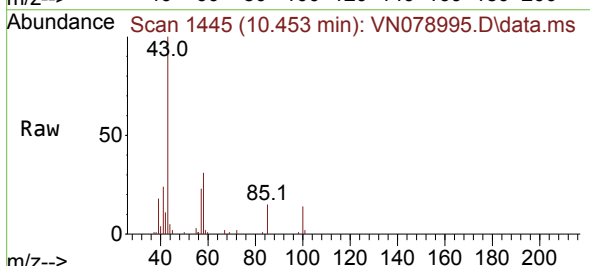
Instrument :
MSVOA_N
ClientSampleId :

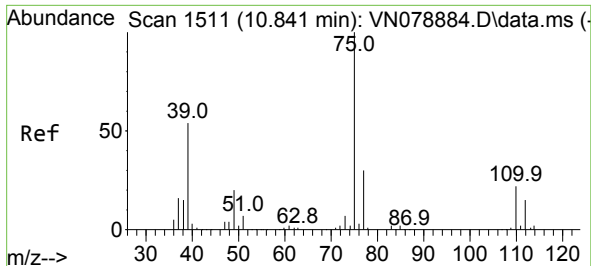
Tgt Ion: 98 Resp: 435074
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 10.497 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

Tgt Ion: 43 Resp: 42912
Ion Ratio Lower Upper
43 100
58 31.9 36.6 54.8#

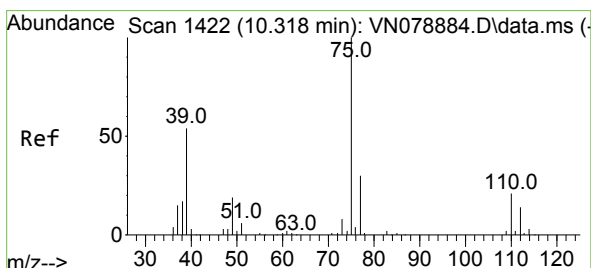
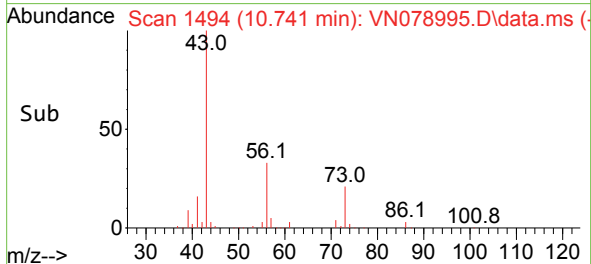
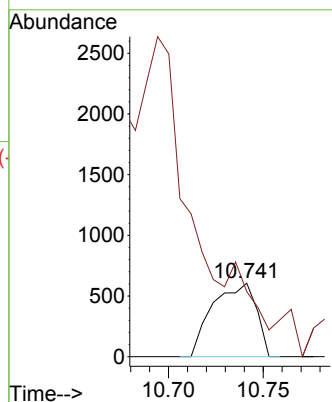
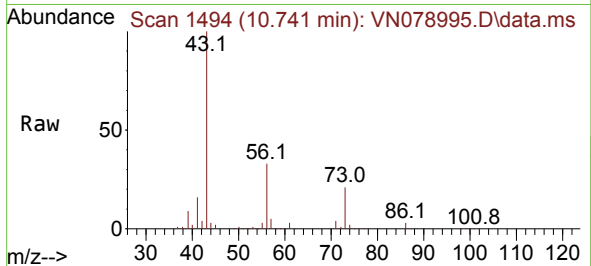




#53
 t-1,3-Dichloropropene
 Concen: 0.243 ug/l
 RT: 10.741 min Scan# 14
 Delta R.T. -0.100 min
 Lab File: VN078995.D
 Acq: 22 Aug 2023 15:35

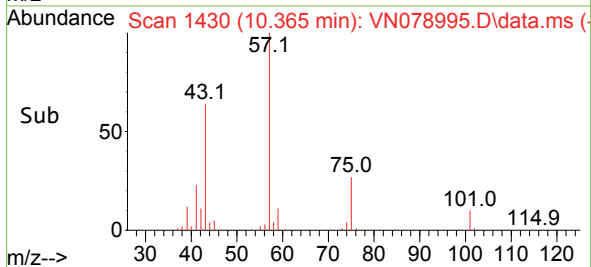
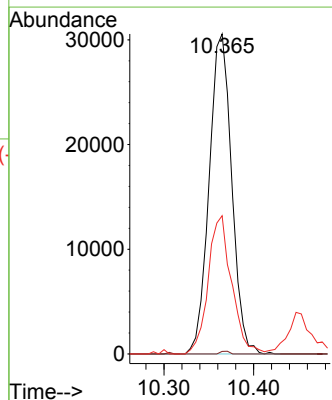
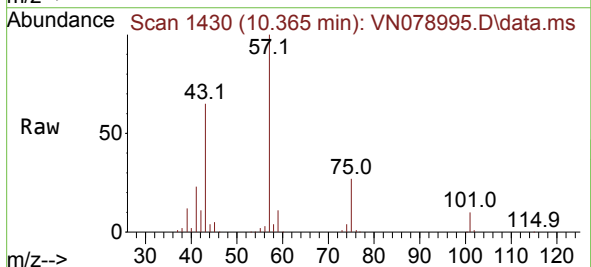
Instrument :
 MSVOA_N
 ClientSampleId :

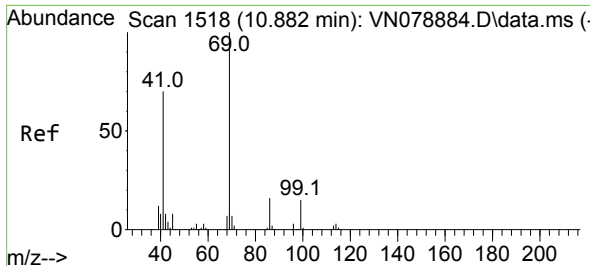
Tgt Ion: 75 Resp: 969
 Ion Ratio Lower Upper
 75 100
 77 38.2 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.288 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN078995.D
 Acq: 22 Aug 2023 15:35

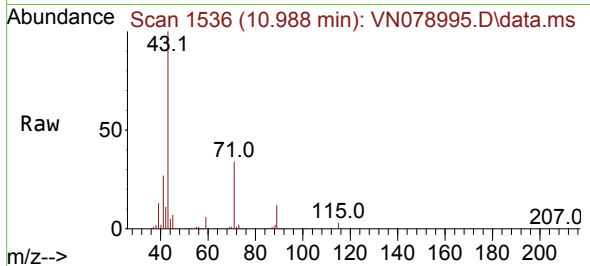
Tgt Ion: 75 Resp: 53315
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 43.2 31.6 47.4



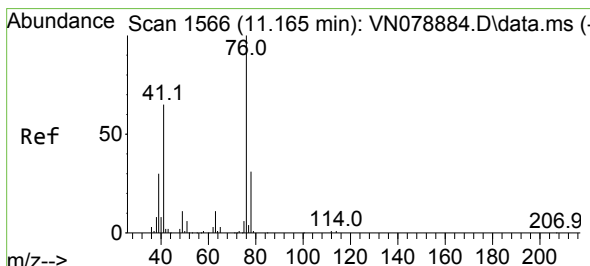
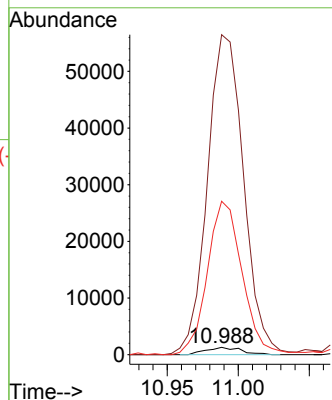
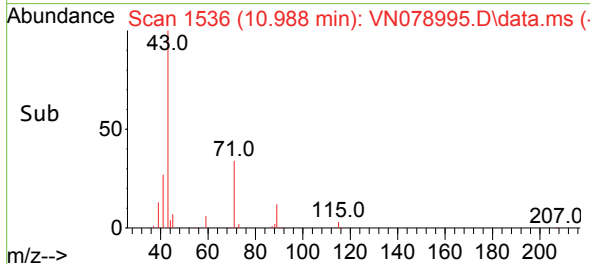


#56
Ethyl methacrylate
Concen: 0.574 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

Instrument :
MSVOA_N
ClientSampleId :

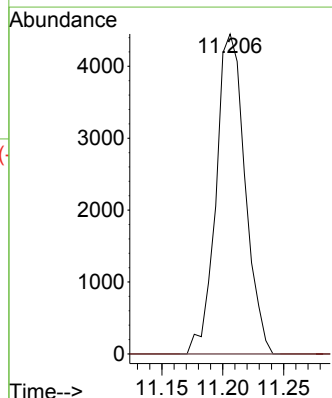
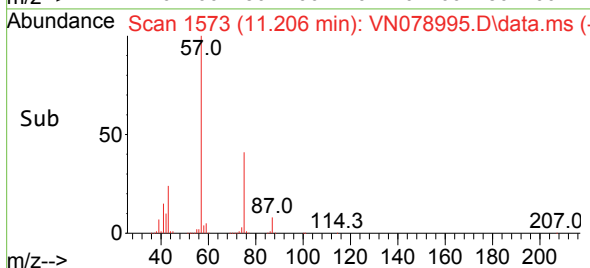
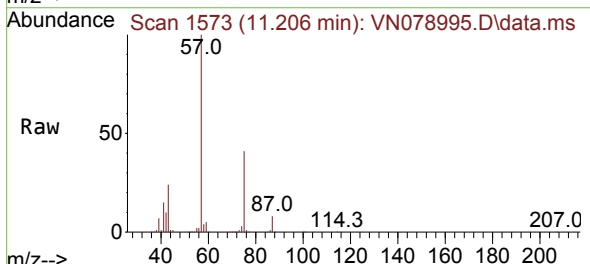


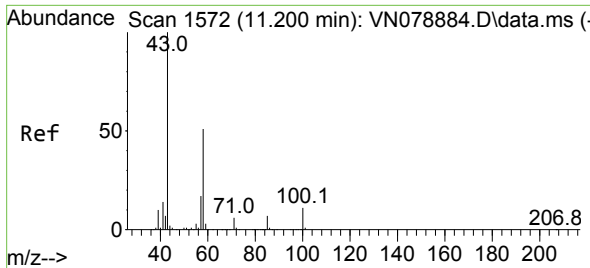
Tgt Ion: 69 Resp: 2255
Ion Ratio Lower Upper
69 100
41 4448.4 39.6 59.4#
39 2049.3 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.626 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

Tgt Ion: 76 Resp: 7375
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

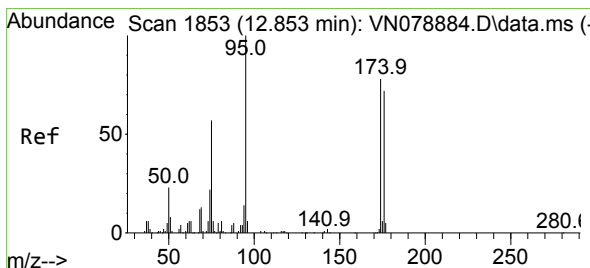
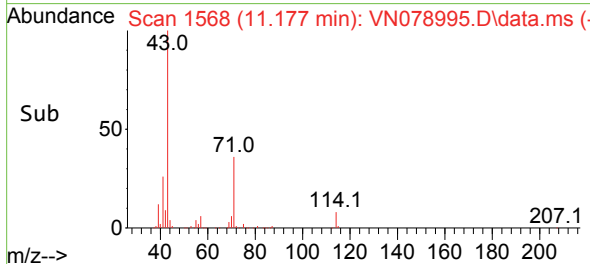
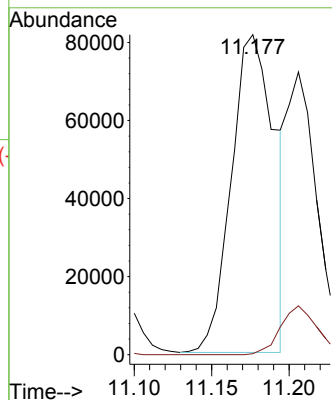
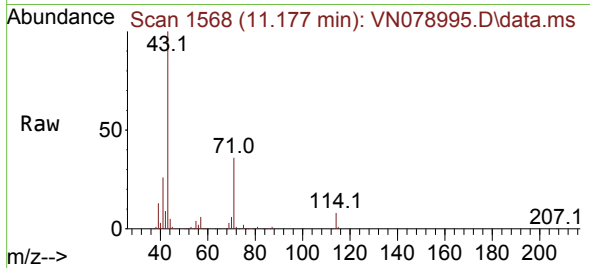




#59
2-Hexanone
Concen: 53.305 ug/l
RT: 11.177 min Scan# 11177
Delta R.T. -0.023 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

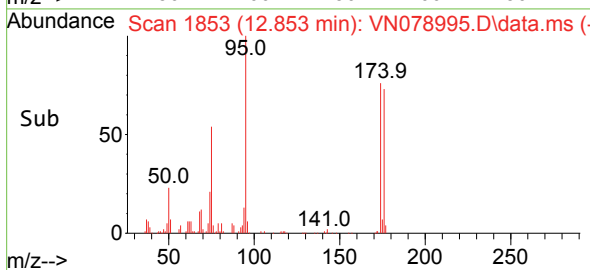
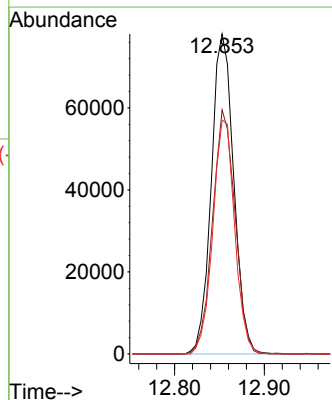
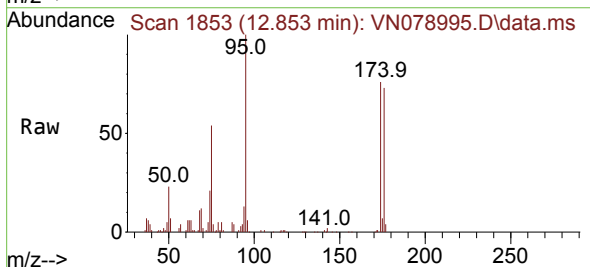
Instrument :
MSVOA_N
ClientSampleId :

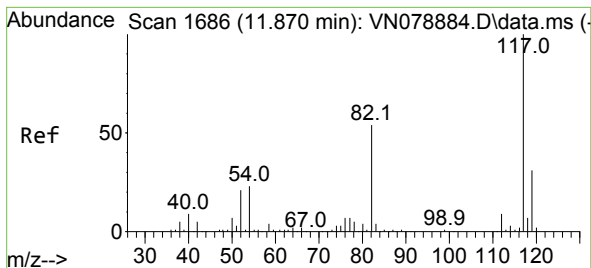
Tgt Ion: 43 Resp: 157827
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 48.089 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

Tgt Ion: 95 Resp: 135225
Ion Ratio Lower Upper
95 100
174 76.7 0.0 143.8
176 71.5 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078995.D

Acq: 22 Aug 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

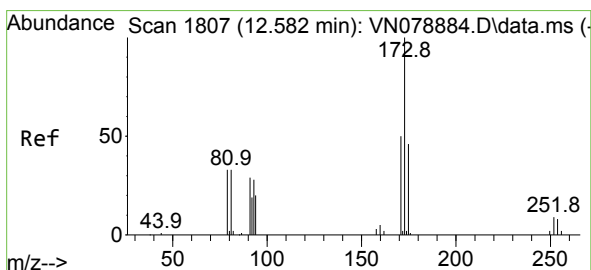
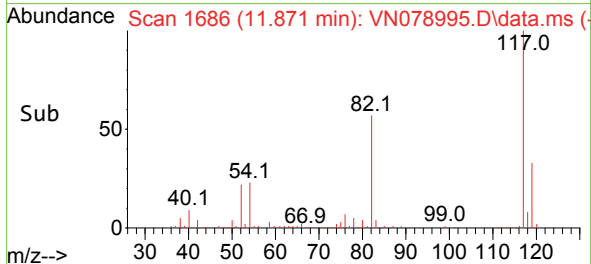
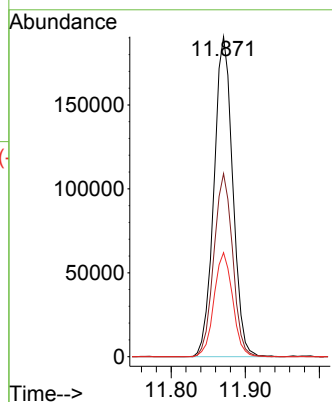
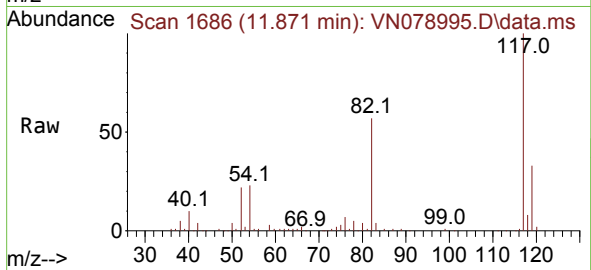
Tgt Ion:117 Resp: 334651

Ion Ratio Lower Upper

117 100

82 57.2 44.0 66.0

119 32.5 25.6 38.4



#71

Bromoform

Concen: 0.210 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.259 min

Lab File: VN078995.D

Acq: 22 Aug 2023 15:35

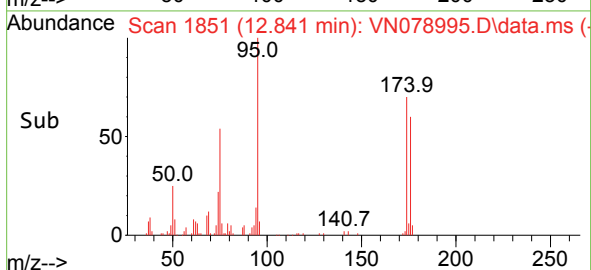
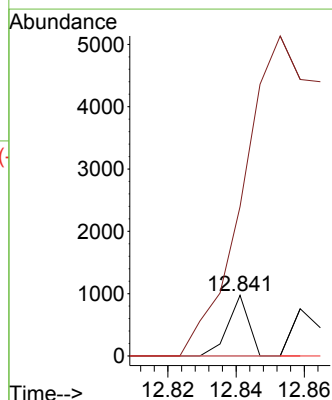
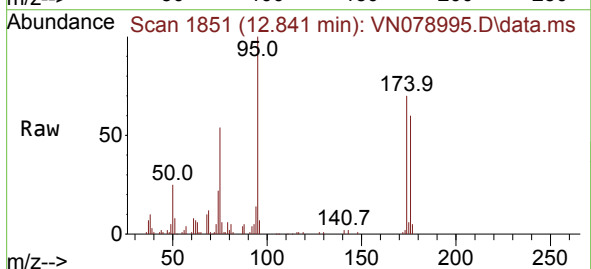
Tgt Ion:173 Resp: 411

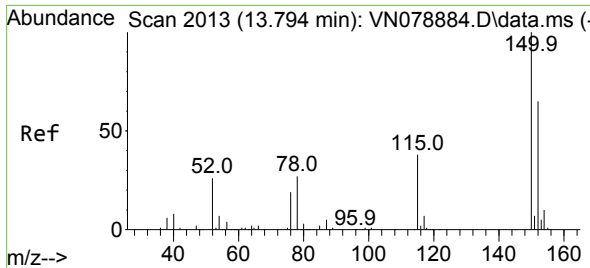
Ion Ratio Lower Upper

173 100

175 1536.5 24.3 73.0#

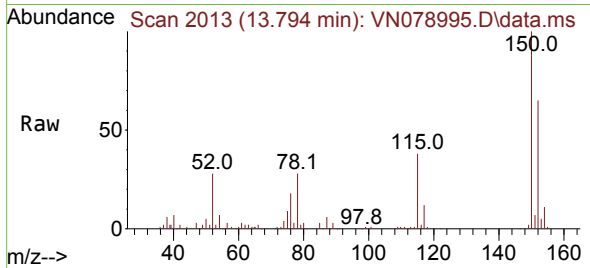
254 0.0 0.0 0.0



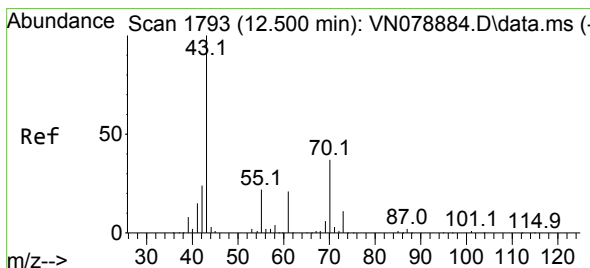
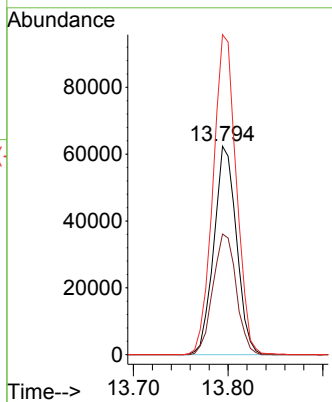
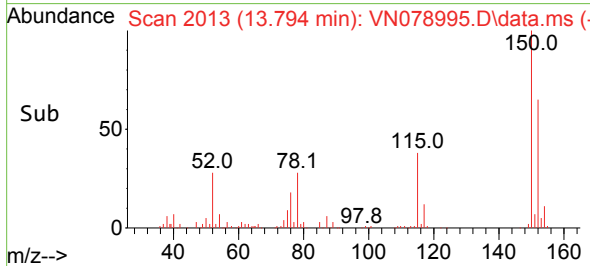


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

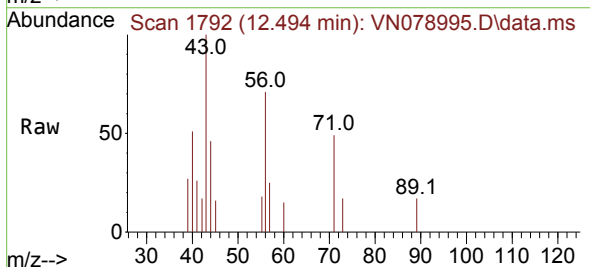
Instrument :
MSVOA_N
ClientSampleId :



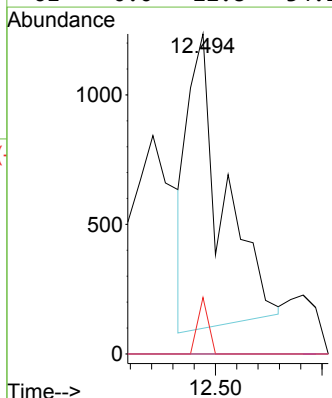
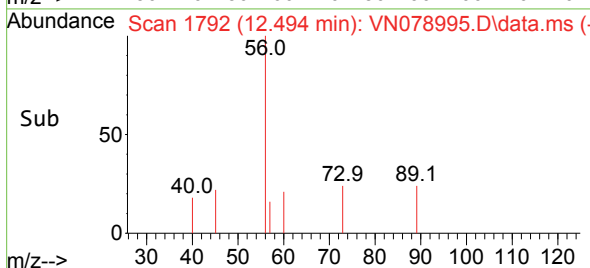
Tgt Ion:152 Resp: 103435
Ion Ratio Lower Upper
152 100
115 59.6 32.3 96.8
150 158.1 0.0 355.8

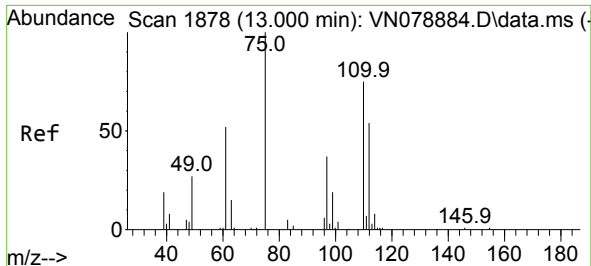


#74
N-ethyl acetate
Concen: 0.297 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35



Tgt Ion: 43 Resp: 1291
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 6.0 21.4 32.0#
61 0.0 22.8 34.2#

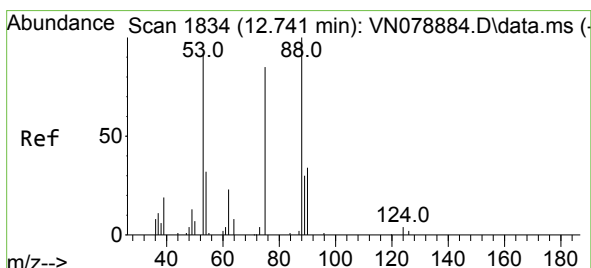
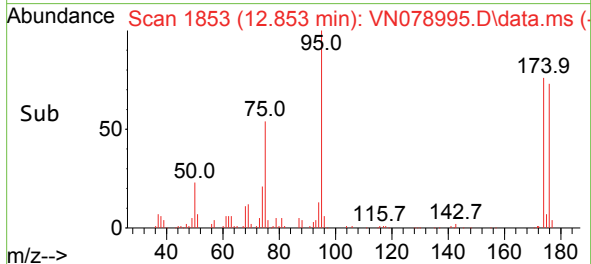
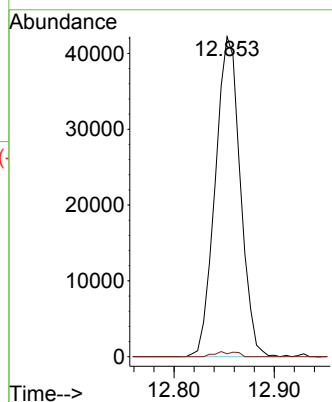
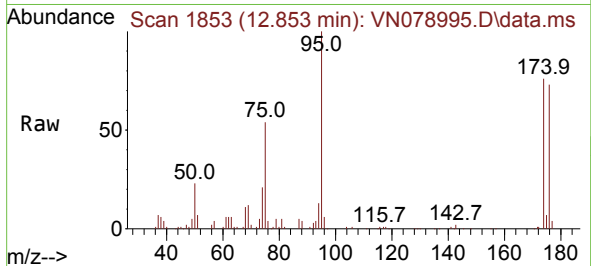




#76
1,2,3-Trichloropropane
Concen: 29.319 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

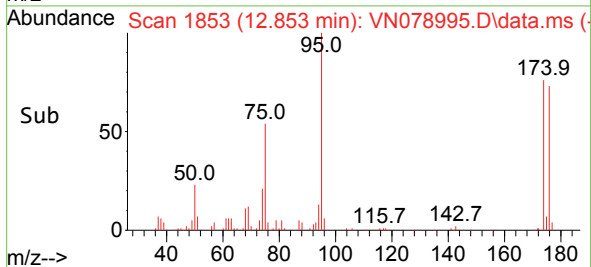
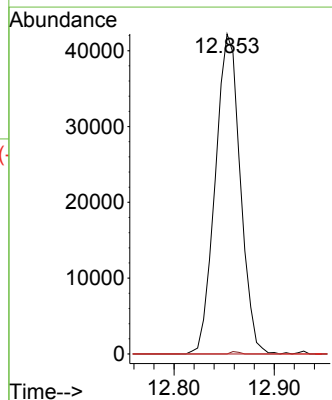
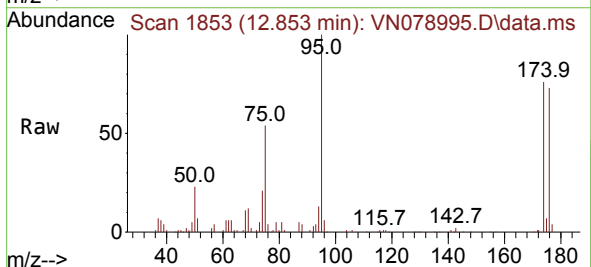
Instrument :
MSVOA_N
ClientSampleId :

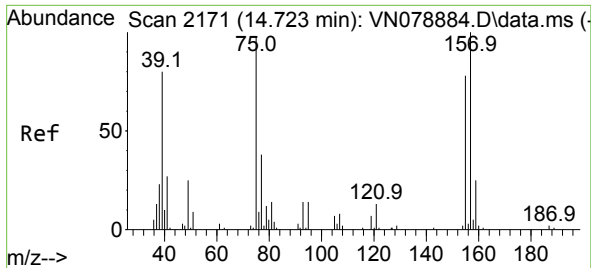
Tgt Ion: 75 Resp: 73071
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.897 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078995.D
Acq: 22 Aug 2023 15:35

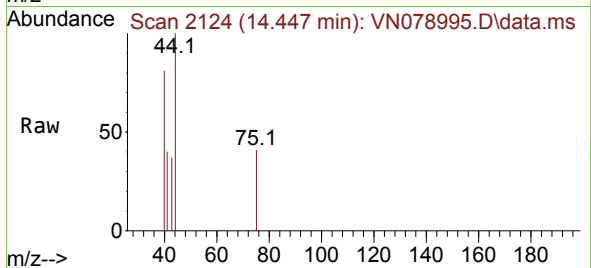
Tgt Ion: 75 Resp: 73071
Ion Ratio Lower Upper
75 100
53 0.3 67.4 101.2#
89 0.0 38.8 58.2#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.447 min Scan# 21
 Delta R.T. -0.276 min
 Lab File: VN078995.D
 Acq: 22 Aug 2023 15:35

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 62
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.2#
 157 0.0 50.3 150.9#

