

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
 Data File : VN078997.D
 Acq On : 22 Aug 2023 16:24
 Operator : JC\MD
 Sample : 04090-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 23 03:04:49 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)

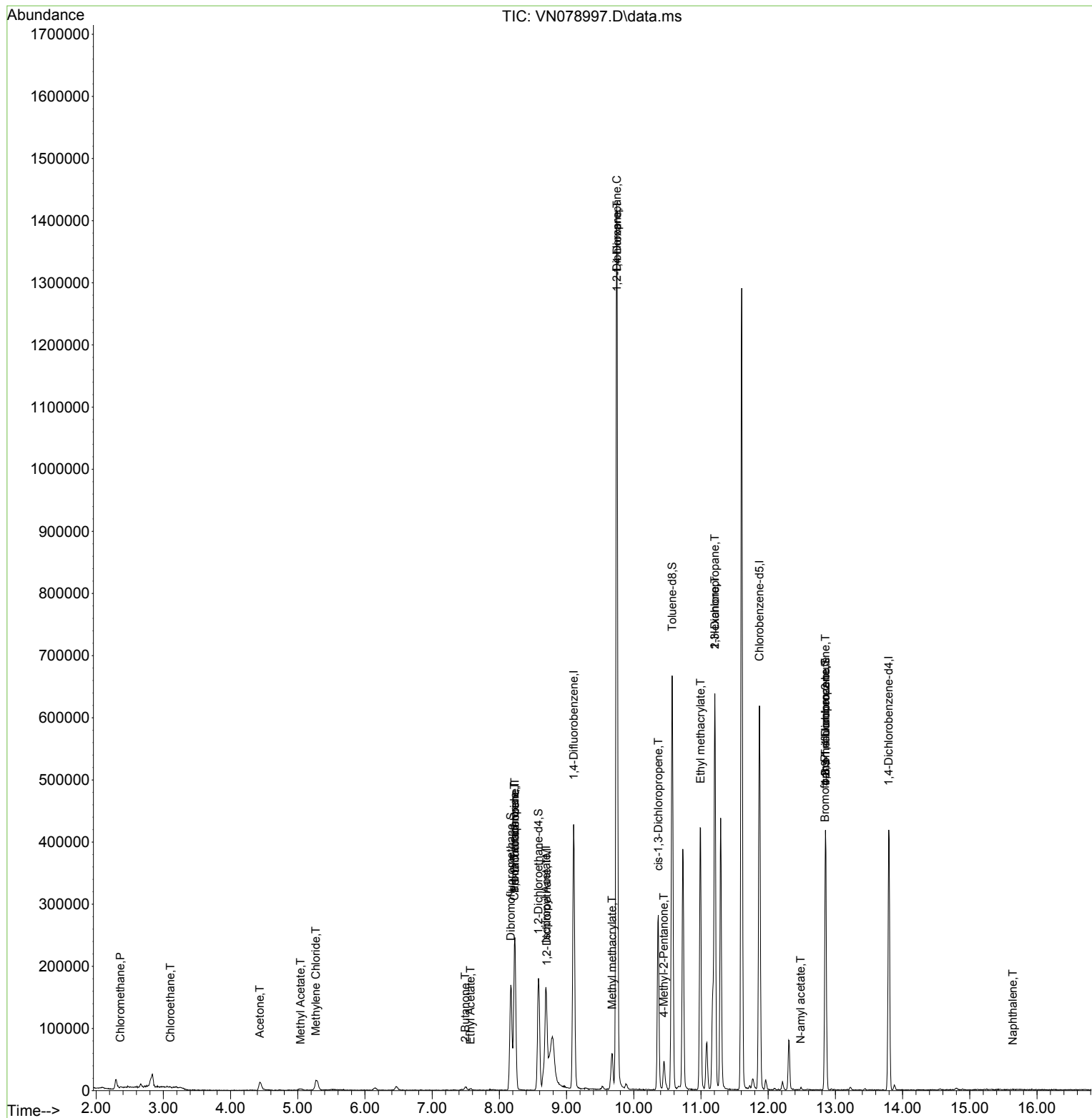
Internal Standards						
1) Pentafluorobenzene	8.229	168	171490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	348354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	342145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	143158	53.647	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.300%			
35) Dibromofluoromethane	8.171	113	116663	49.751	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.500%			
50) Toluene-d8	10.570	98	439878	50.520	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.040%			
62) 4-Bromofluorobenzene	12.853	95	135930	47.763	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.520%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	799	0.240	ug/l #	42
6) Chloroethane	3.106	64	820	0.403	ug/l #	43
16) Acetone	4.436	43	25759	23.394	ug/l #	86
18) Methyl Acetate	5.041	43	5486	1.179	ug/l #	63
20) Methylene Chloride	5.271	84	11970	5.101	ug/l #	83
25) 2-Butanone	7.494	43	8548	4.842	ug/l	93
31) Cyclohexane	8.235	56	4779	Below Cal	#	53
36) 1,1-Dichloropropene	8.229	75	15769	4.470	ug/l #	50
37) Ethyl Acetate	7.571	43	3057	0.775	ug/l #	76
38) Carbon Tetrachloride	8.224	117	18998	5.375	ug/l #	16
42) 1,2-Dichloroethane	8.706	62	1098	0.282	ug/l #	73
43) Isopropyl Acetate	8.694	43	221752	31.789	ug/l #	70
45) 1,2-Dichloropropane	9.747	63	1663	0.599	ug/l #	45
48) Methyl methacrylate	9.676	41	4595	1.454	ug/l #	33
49) 1,4-Dioxane	9.753	88	81	1.504	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	38589	9.327	ug/l #	78
54) cis-1,3-Dichloropropene	10.365	75	46836	10.666	ug/l #	72
56) Ethyl methacrylate	10.994	69	2243	0.564	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5950	1.296	ug/l #	42
59) 2-Hexanone	11.206	43	87111	29.070	ug/l #	45
71) Bromoform	12.847	173	453	0.226	ug/l #	1
74) N-amyl acetate	12.482	43	1858	0.412	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	75843	29.405	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75843	75.117	ug/l #	15
95) Naphthalene	15.641	128	227	2.618	ug/l #	70

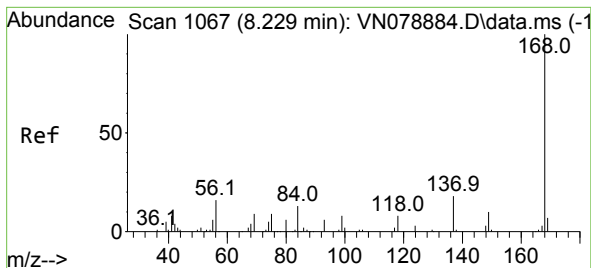
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082223\
Data File : VN078997.D
Acq On : 22 Aug 2023 16:24
Operator : JC\MD
Sample : 04090-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 23 03:04:49 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: 8.229 min Scan# 10

Delta R.T. -0.001 min

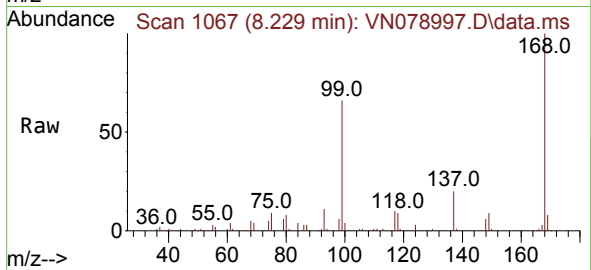
Lab File: VN078997.D

Acq: 22 Aug 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :

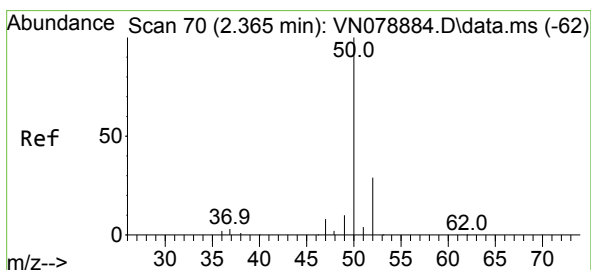
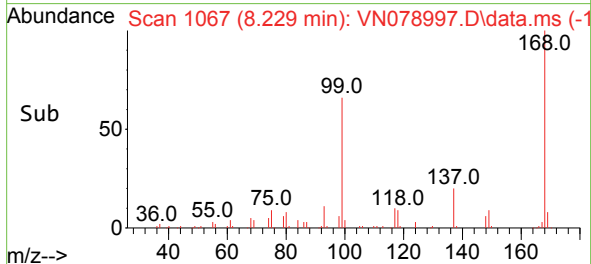
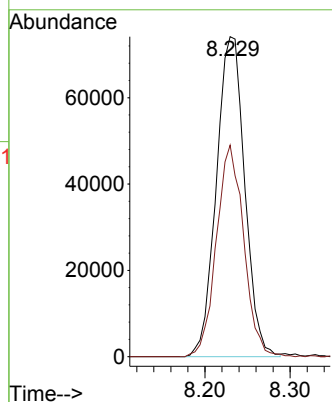


Tgt Ion:168 Resp: 171490

Ion Ratio Lower Upper

168 100

99 66.1 53.0 79.6



#3

Chloromethane

Concen: 0.240 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.012 min

Lab File: VN078997.D

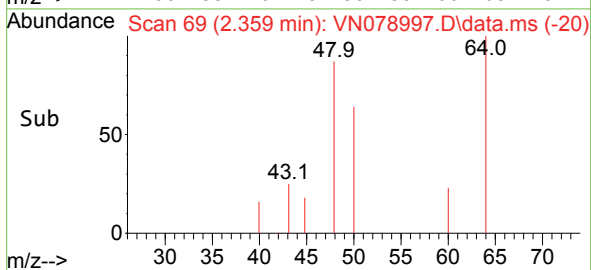
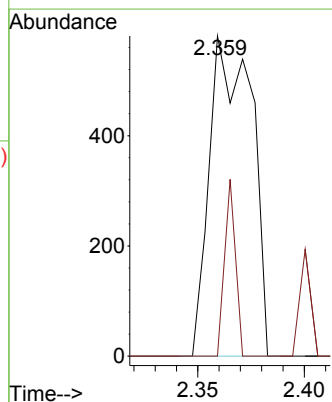
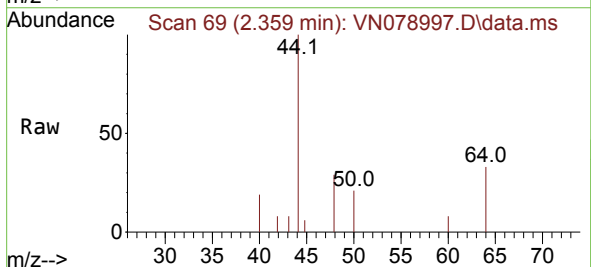
Acq: 22 Aug 2023 16:24

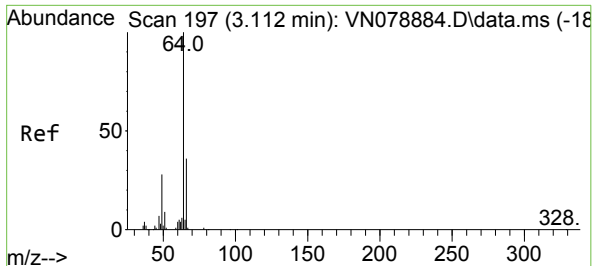
Tgt Ion: 50 Resp: 799

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

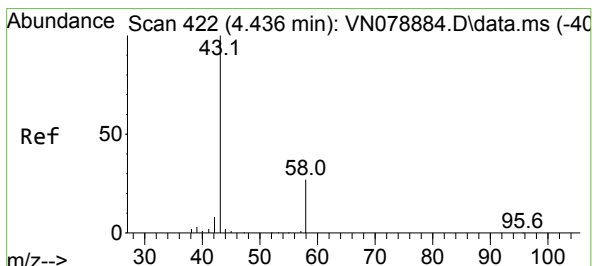
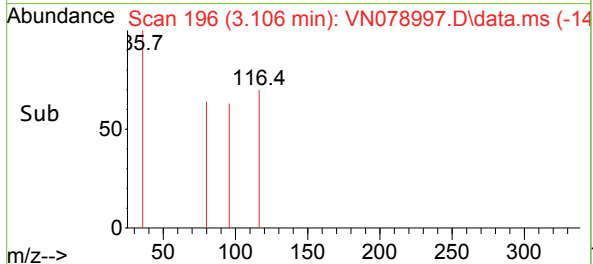
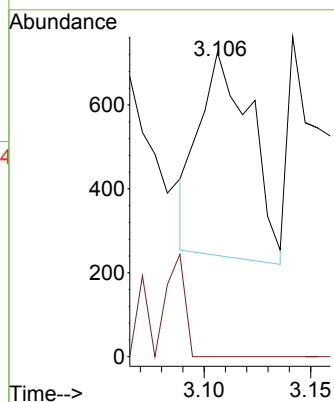
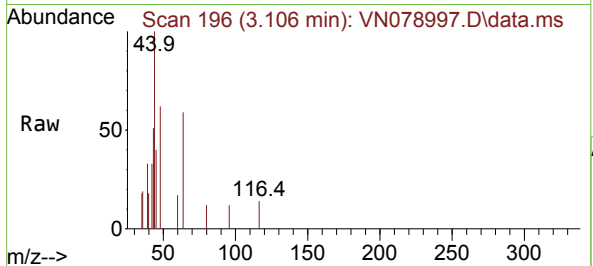




#6
Chloroethane
Concen: 0.403 ug/l
RT: 3.106 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24

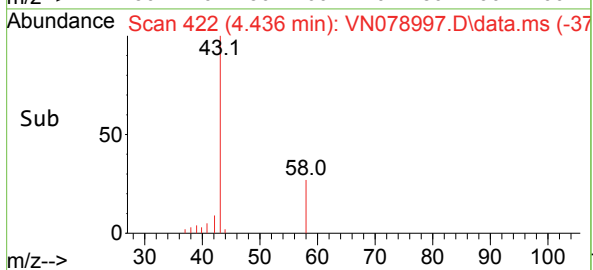
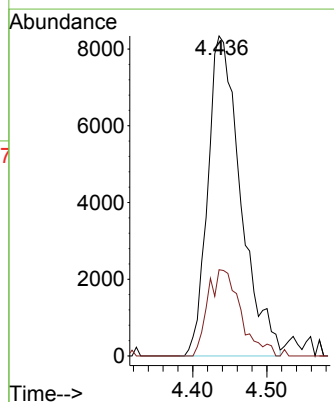
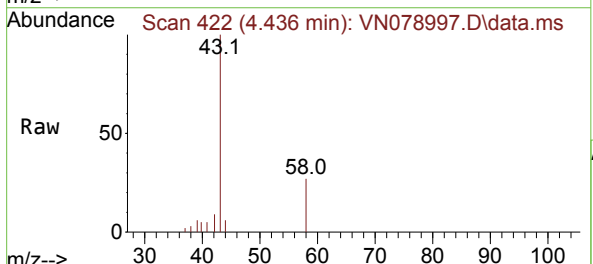
Instrument :
MSVOA_N
ClientSampleId :

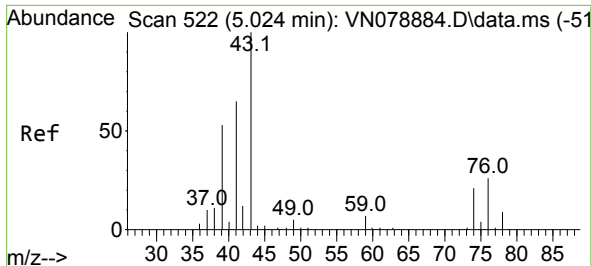
Tgt Ion: 64 Resp: 820
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 23.394 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24

Tgt Ion: 43 Resp: 25759
Ion Ratio Lower Upper
43 100
58 26.9 28.0 42.0#

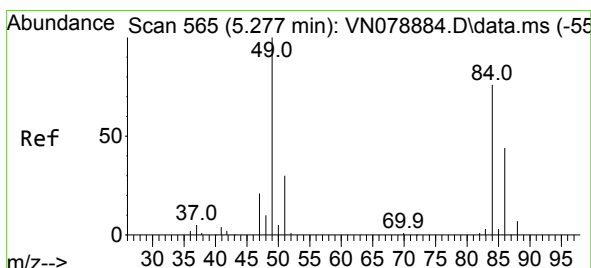
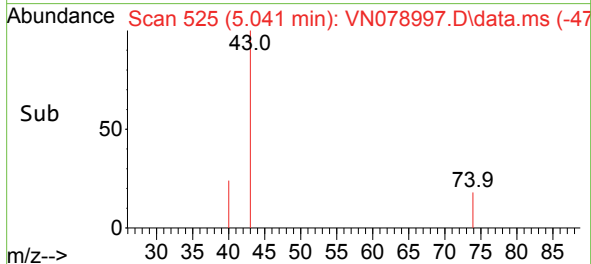
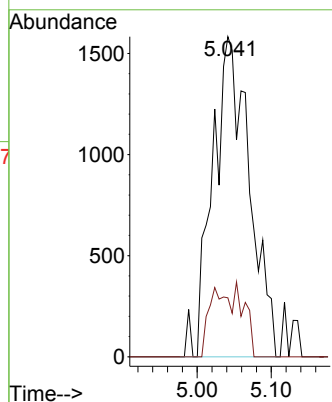
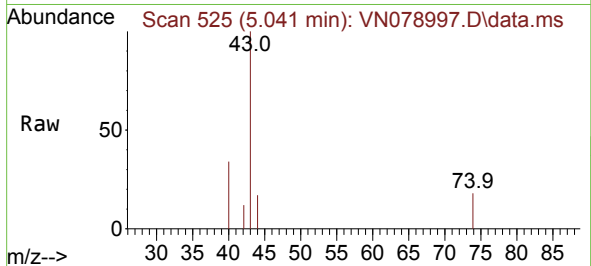




#18
Methyl Acetate
Concen: 1.179 ug/l
RT: 5.041 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24

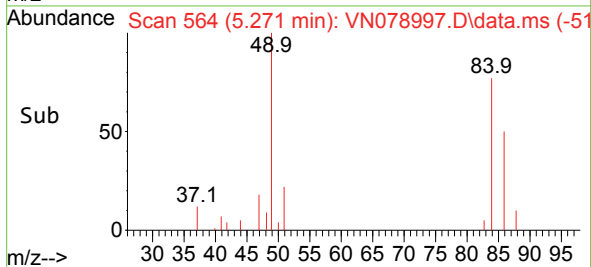
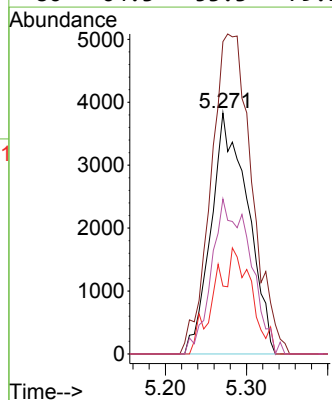
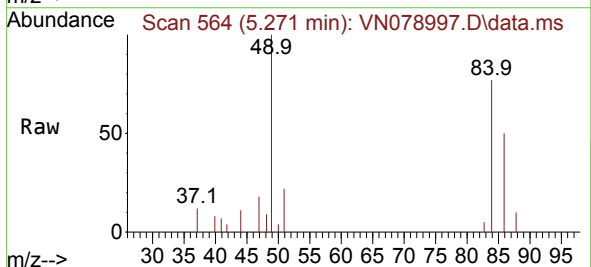
Instrument :
MSVOA_N
ClientSampleId :

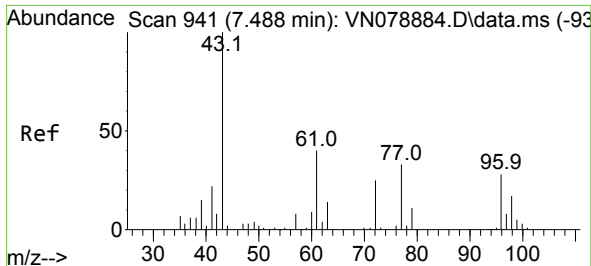
Tgt Ion: 43 Resp: 5486
Ion Ratio Lower Upper
43 100
74 12.1 26.2 39.4#



#20
Methylene Chloride
Concen: 5.101 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.012 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24

Tgt Ion: 84 Resp: 11970
Ion Ratio Lower Upper
84 100
49 129.6 79.7 119.5#
51 28.2 25.2 37.8
86 64.3 53.3 79.9





#25

2-Butanone

Concen: 4.842 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN078997.D

Acq: 22 Aug 2023 16:24

Instrument :

MSVOA_N

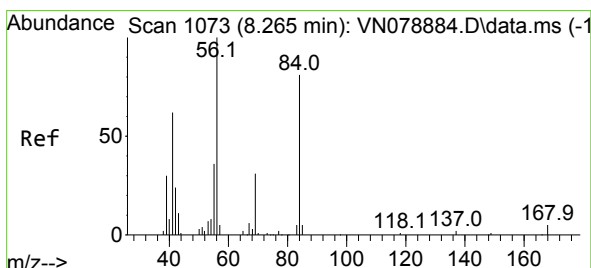
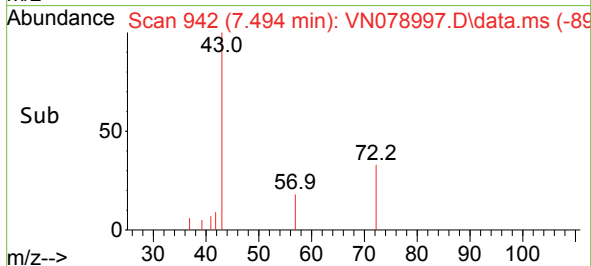
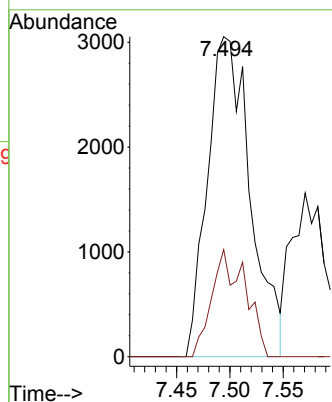
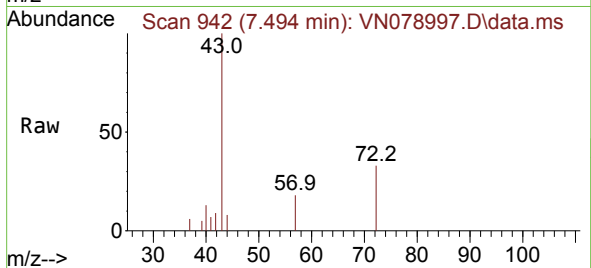
ClientSampleId :

Tgt Ion: 43 Resp: 8548

Ion Ratio Lower Upper

43 100

72 33.4 30.2 45.2



#31

Cyclohexane

Concen: Below Cal

RT: 8.235 min Scan# 1068

Delta R.T. -0.030 min

Lab File: VN078997.D

Acq: 22 Aug 2023 16:24

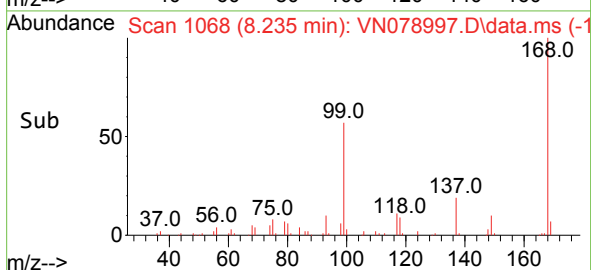
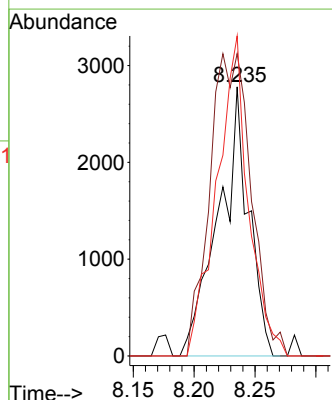
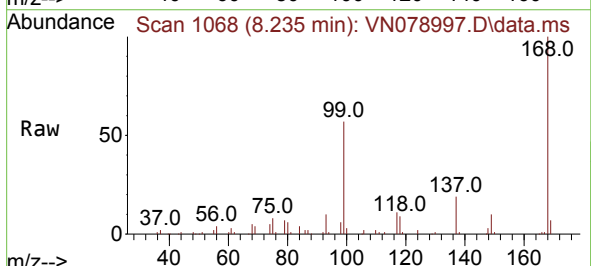
Tgt Ion: 56 Resp: 4779

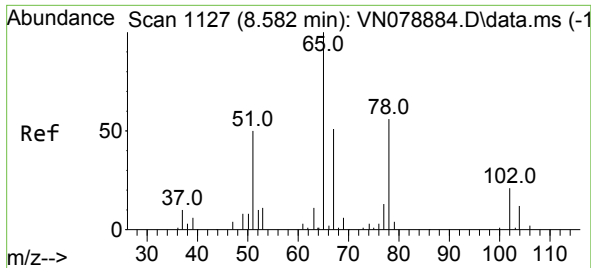
Ion Ratio Lower Upper

56 100

69 112.3 26.8 40.2#

84 118.9 81.8 122.6

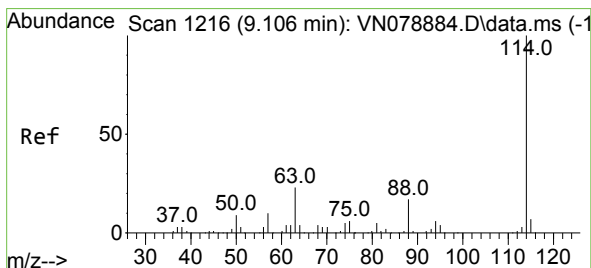
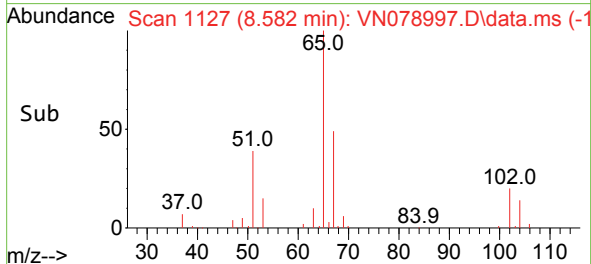
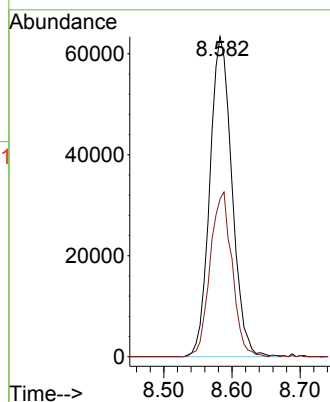
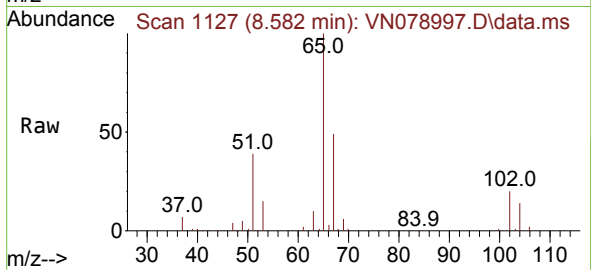




#33
 1,2-Dichloroethane-d4
 Concen: 53.647 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. -0.001 min
 Lab File: VN078997.D
 Acq: 22 Aug 2023 16:24

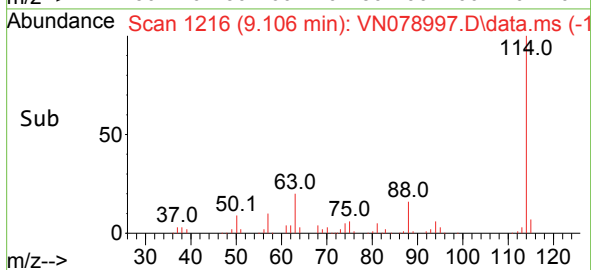
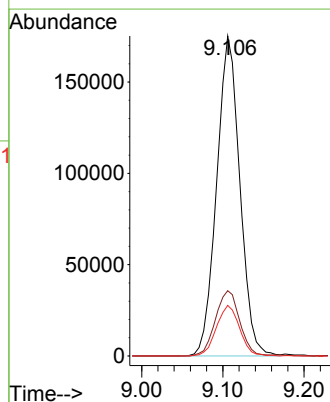
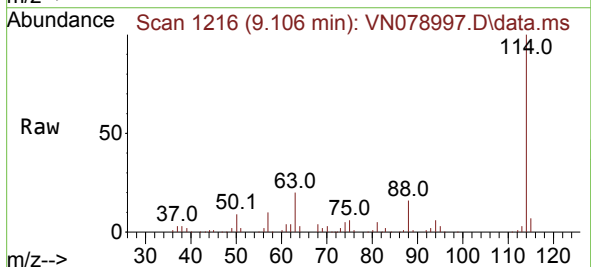
Instrument :
 MSVOA_N
 ClientSampleId :

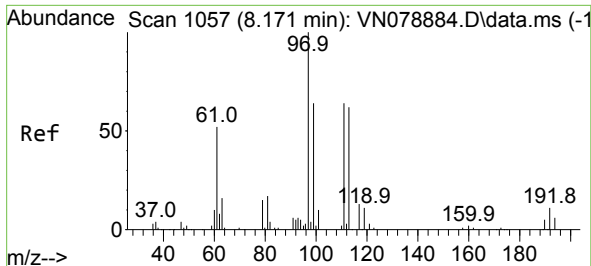
Tgt Ion: 65 Resp: 143158
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.006 min
 Lab File: VN078997.D
 Acq: 22 Aug 2023 16:24

Tgt Ion: 114 Resp: 348354
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 36.4
 88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.751 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

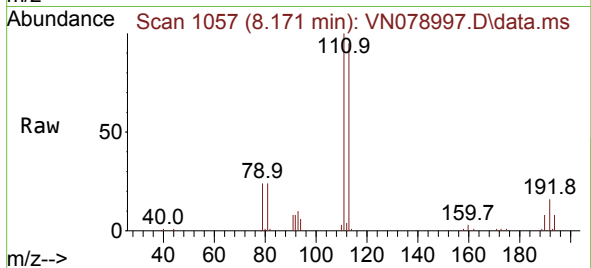
Lab File: VN078997.D

Acq: 22 Aug 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :



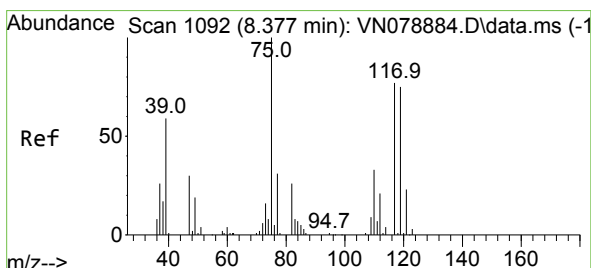
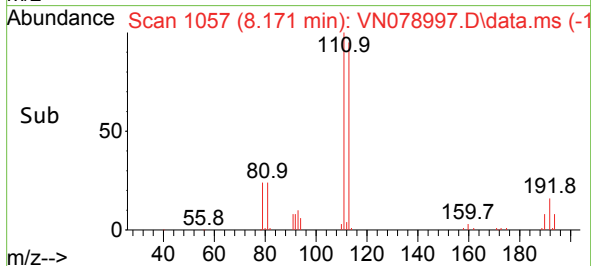
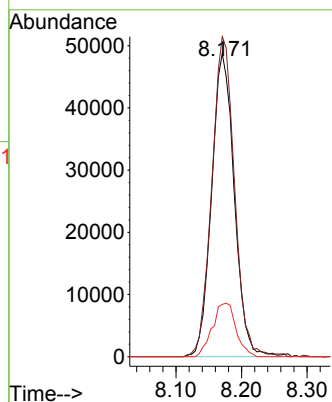
Tgt Ion:113 Resp: 116663

Ion Ratio Lower Upper

113 100

111 105.5 82.6 123.8

192 18.4 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.470 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN078997.D

Acq: 22 Aug 2023 16:24

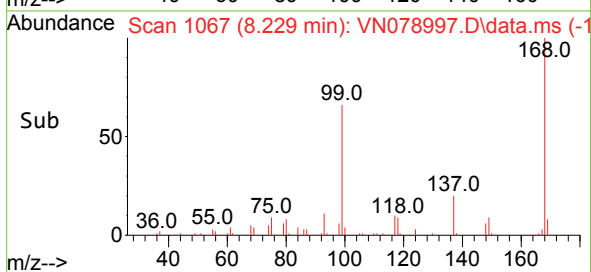
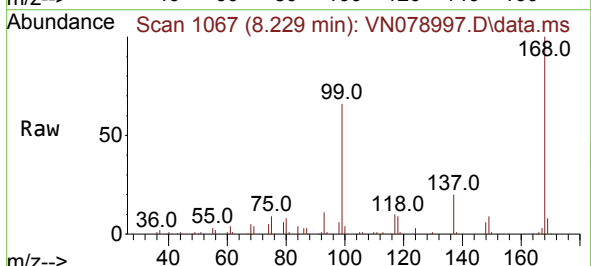
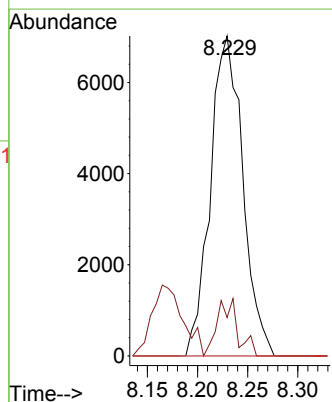
Tgt Ion: 75 Resp: 15769

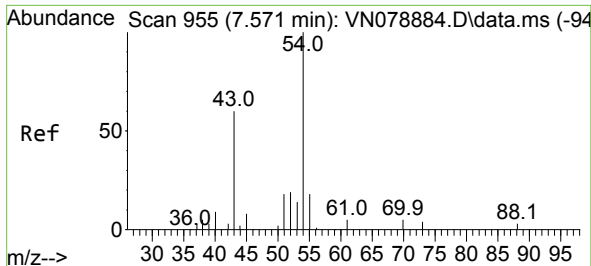
Ion Ratio Lower Upper

75 100

110 11.2 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.775 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

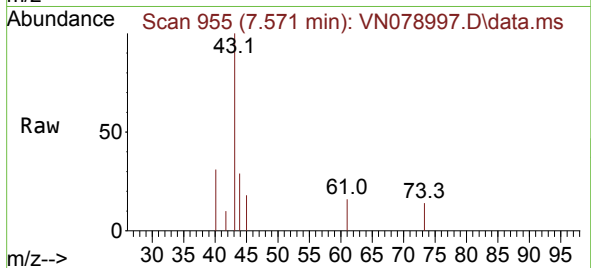
Lab File: VN078997.D

Acq: 22 Aug 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :



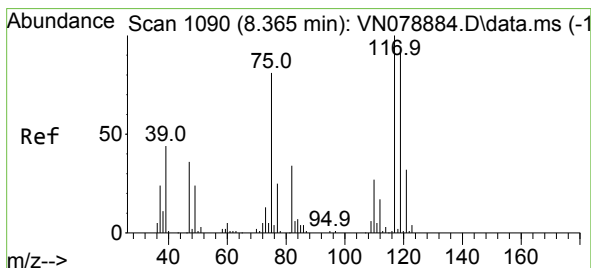
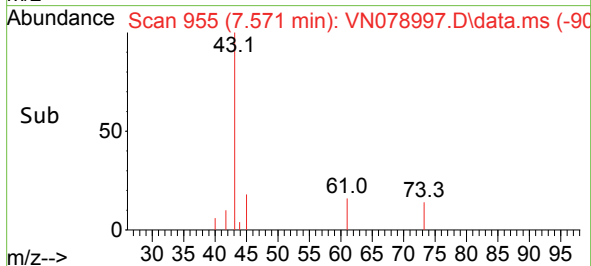
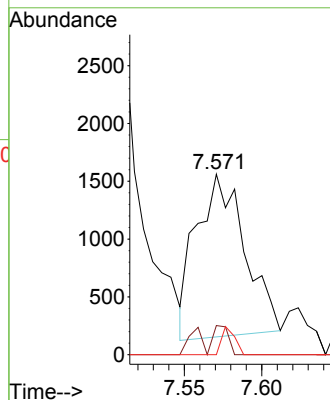
Tgt Ion: 43 Resp: 3057

Ion Ratio Lower Upper

43 100

61 5.7 13.2 19.8#

70 4.6 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.375 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN078997.D

Acq: 22 Aug 2023 16:24

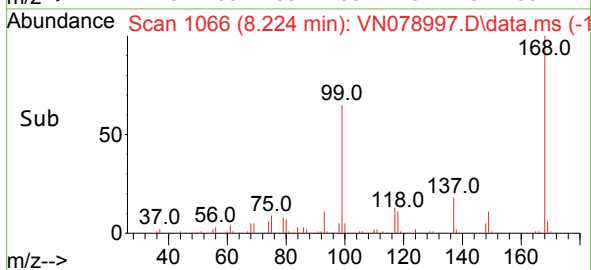
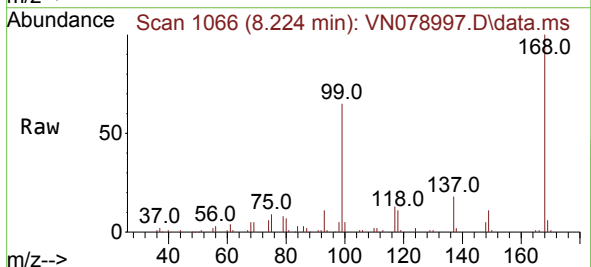
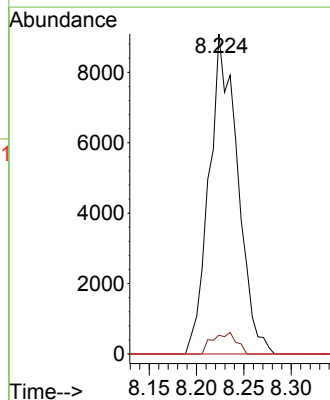
Tgt Ion: 117 Resp: 18998

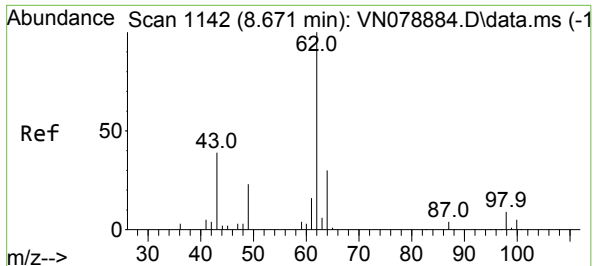
Ion Ratio Lower Upper

117 100

119 5.8 77.3 115.9#

121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.282 ug/l

RT: 8.706 min Scan# 1148

Delta R.T. 0.029 min

Lab File: VN078997.D

Acq: 22 Aug 2023 16:24

Instrument :

MSVOA_N

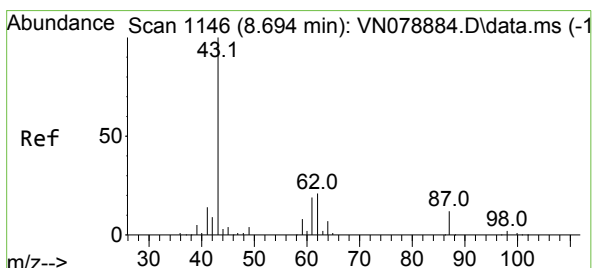
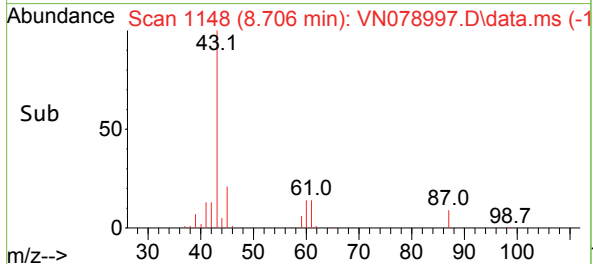
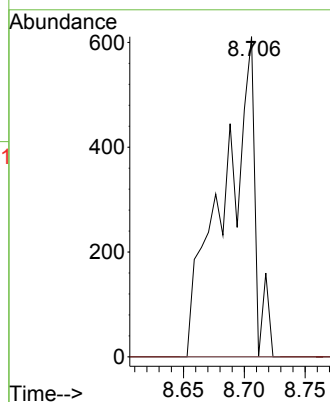
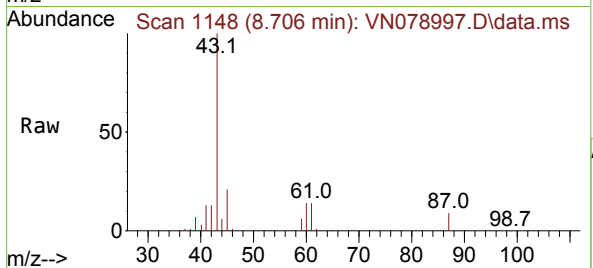
ClientSampleId :

Tgt Ion: 62 Resp: 1098

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 31.789 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078997.D

Acq: 22 Aug 2023 16:24

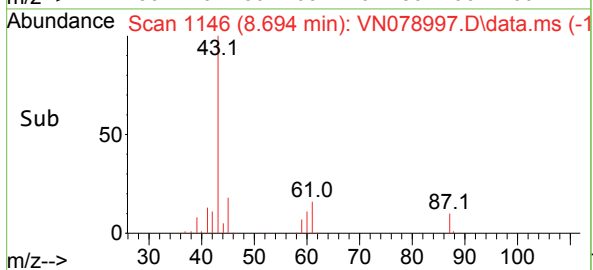
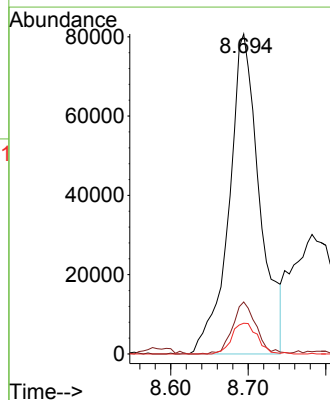
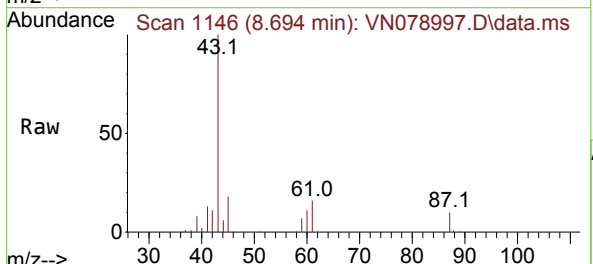
Tgt Ion: 43 Resp: 221752

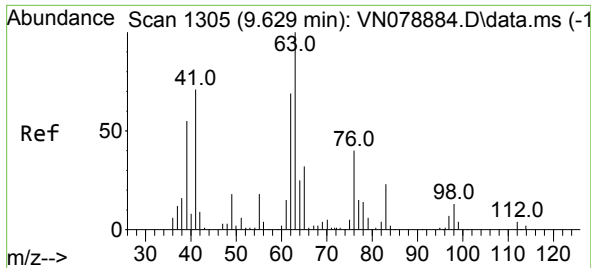
Ion Ratio Lower Upper

43 100

61 12.5 24.7 37.1#

87 8.1 14.6 21.8#

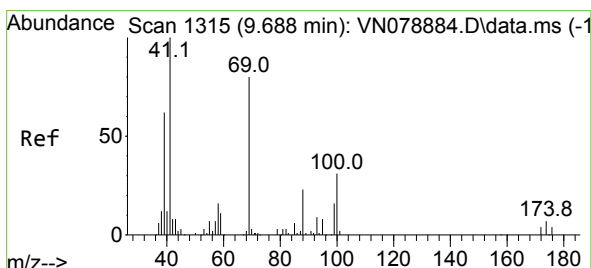
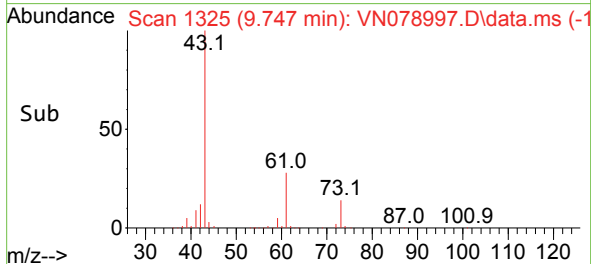
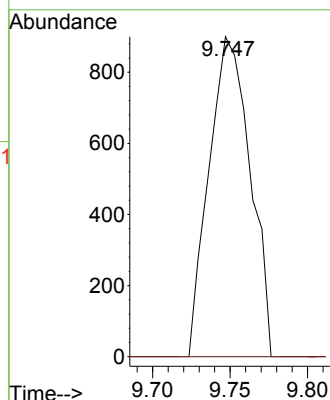
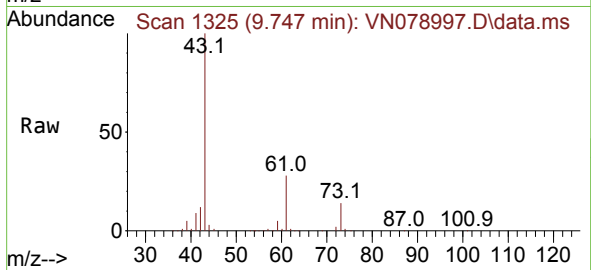




#45
1,2-Dichloropropane
Concen: 0.599 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24

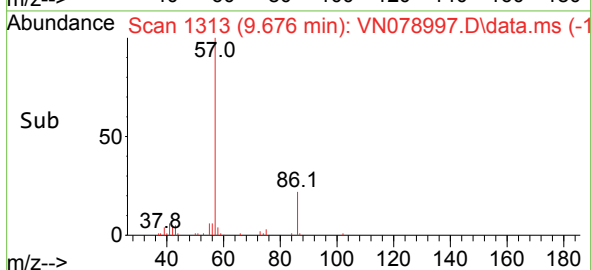
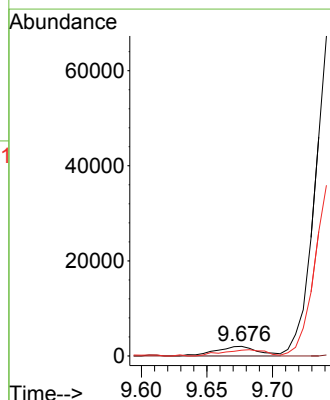
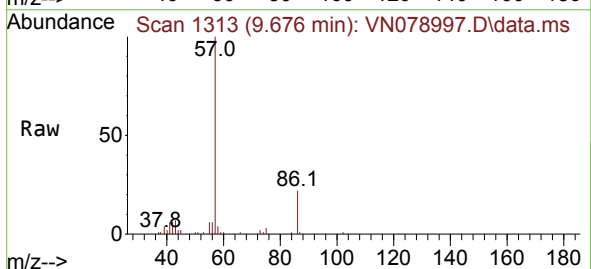
Instrument :
MSVOA_N
ClientSampleId :

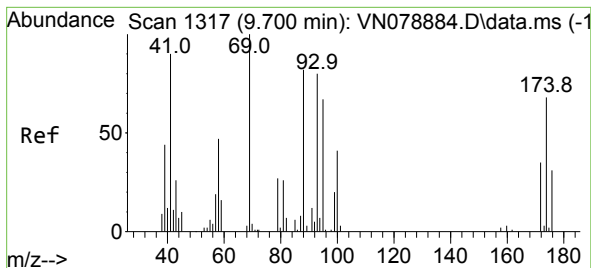
Tgt Ion: 63 Resp: 1663
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.454 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.012 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24

Tgt Ion: 41 Resp: 4595
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 64.7 54.6 81.8





#49

1,4-Dioxane

Concen: 1.504 ug/l

RT: 9.753 min Scan# 1326

Delta R.T. 0.053 min

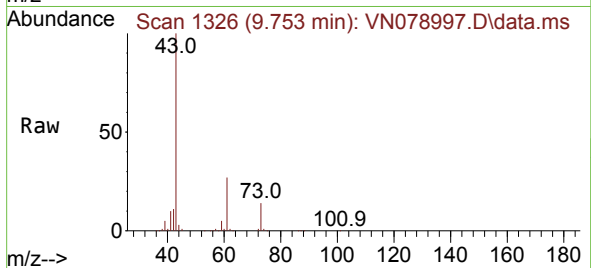
Lab File: VN078997.D

Acq: 22 Aug 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :



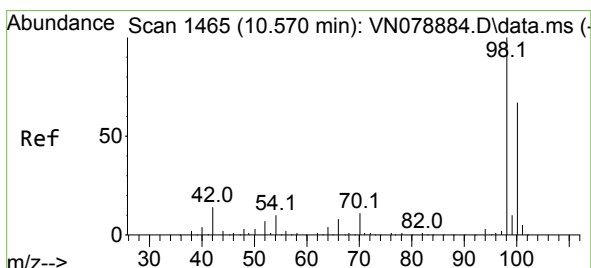
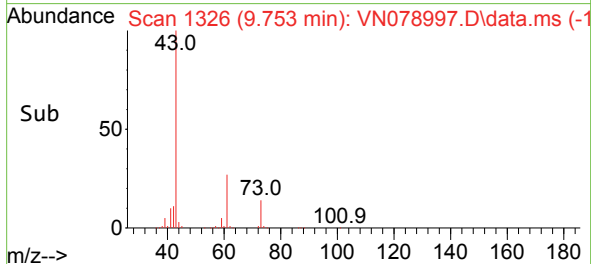
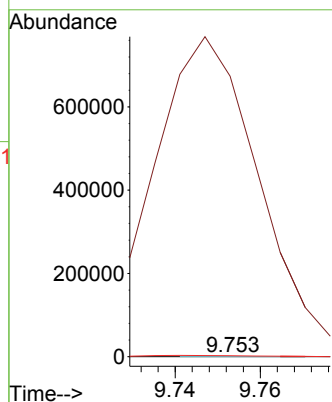
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

43 1697438.3 17.0 25.6#

58 7659.3 47.0 70.4#



#50

Toluene-d8

Concen: 50.520 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.001 min

Lab File: VN078997.D

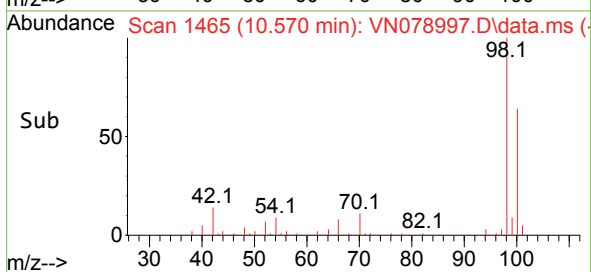
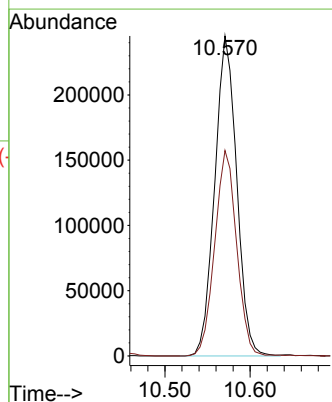
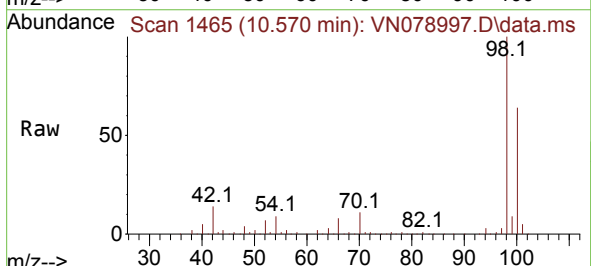
Acq: 22 Aug 2023 16:24

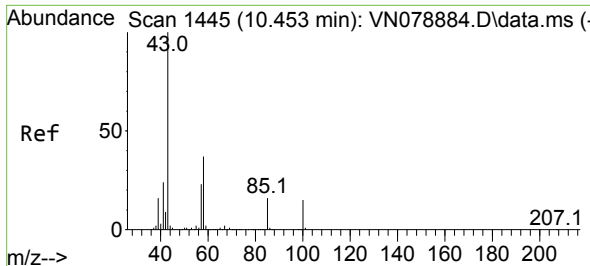
Tgt Ion: 98 Resp: 439878

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 9.327 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.006 min

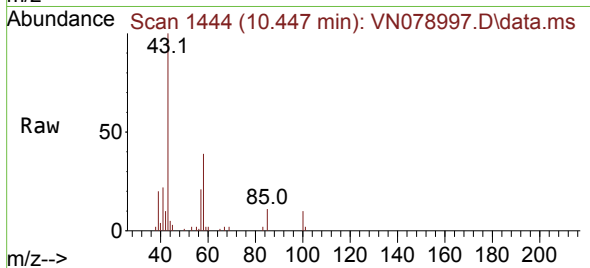
Lab File: VN078997.D

Acq: 22 Aug 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :

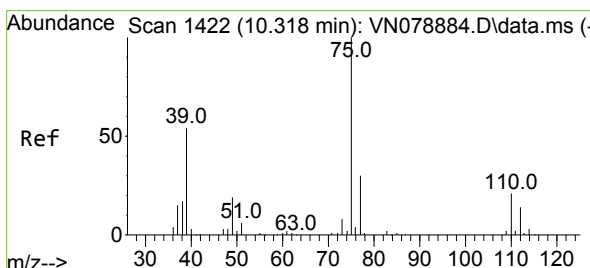
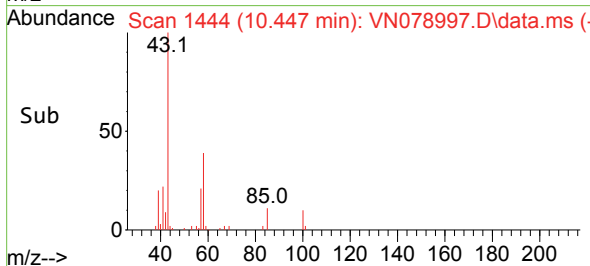
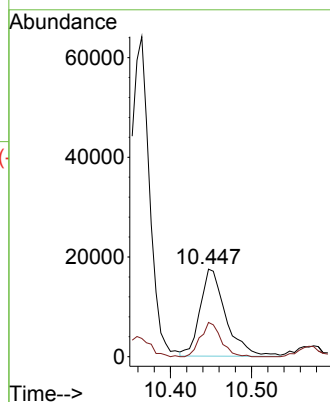


Tgt Ion: 43 Resp: 38589

Ion Ratio Lower Upper

43 100

58 31.2 36.6 54.8#



#54

cis-1,3-Dichloropropene

Concen: 10.666 ug/l

RT: 10.365 min Scan# 1430

Delta R.T. 0.047 min

Lab File: VN078997.D

Acq: 22 Aug 2023 16:24

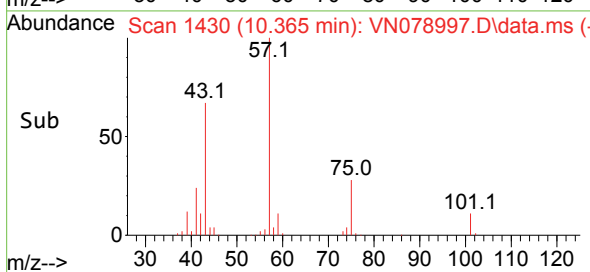
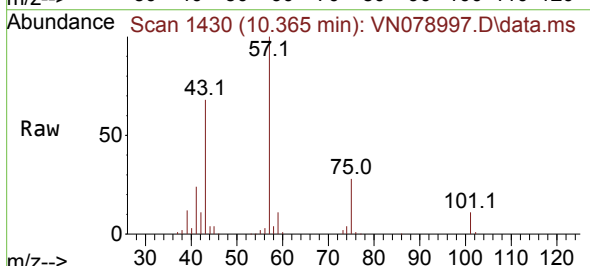
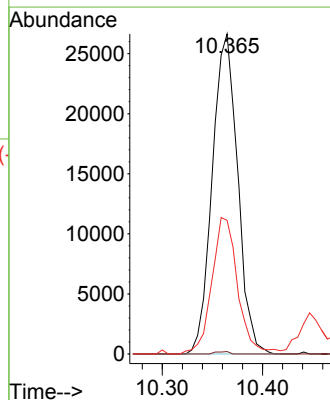
Tgt Ion: 75 Resp: 46836

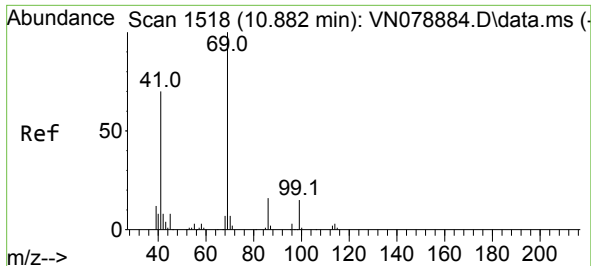
Ion Ratio Lower Upper

75 100

77 0.8 26.1 39.1#

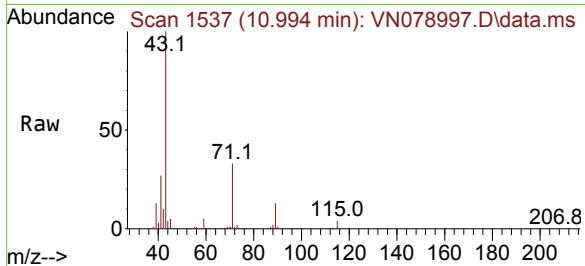
39 41.7 31.6 47.4



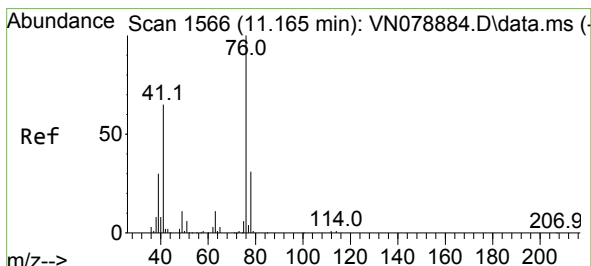
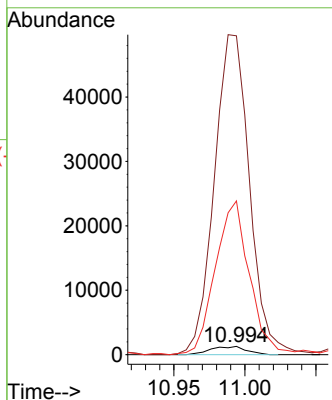
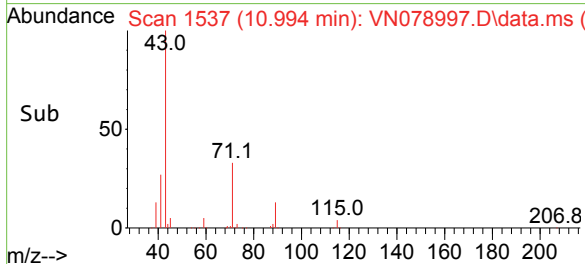


#56
Ethyl methacrylate
Concen: 0.564 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24

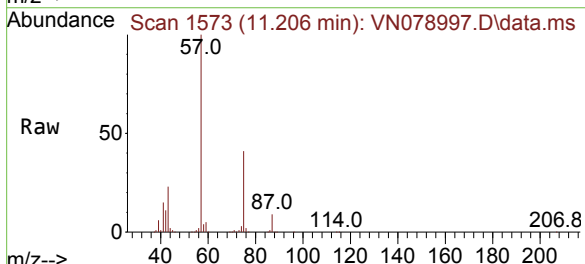
Instrument :
MSVOA_N
ClientSampleId :



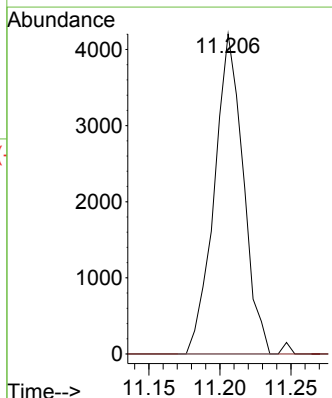
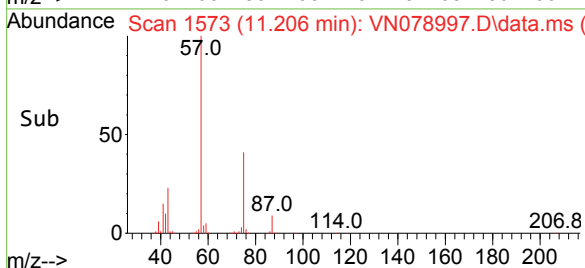
Tgt Ion: 69 Resp: 2243
Ion Ratio Lower Upper
69 100
41 3829.4 39.6 59.4#
39 1799.5 28.6 43.0#

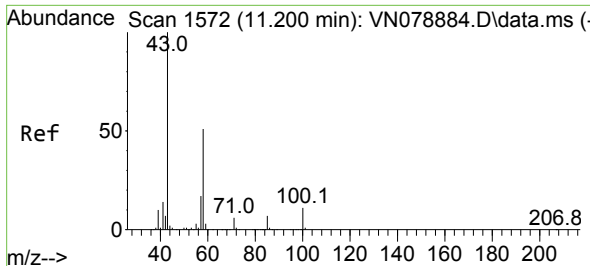


#57
1,3-Dichloropropane
Concen: 1.296 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24



Tgt Ion: 76 Resp: 5950
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

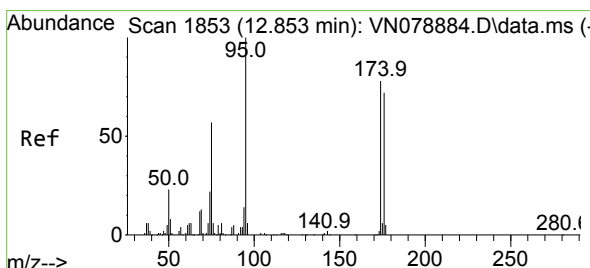
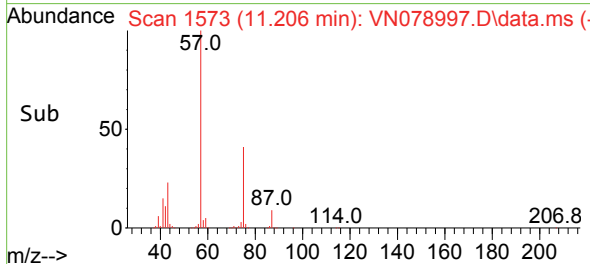
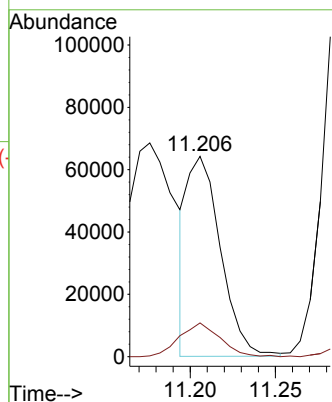
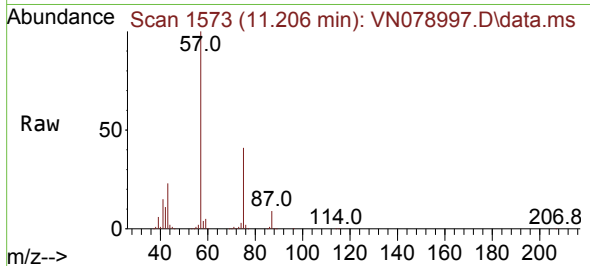




#59
2-Hexanone
Concen: 29.070 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24

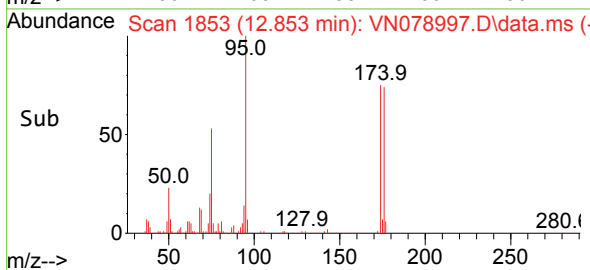
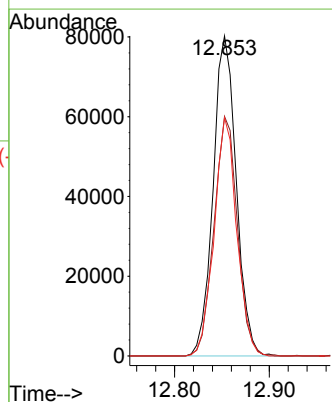
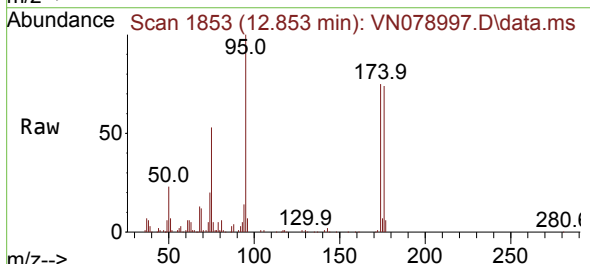
Instrument :
MSVOA_N
ClientSampleId :

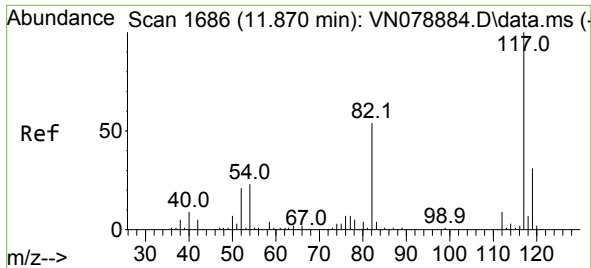
Tgt Ion: 43 Resp: 87111
Ion Ratio Lower Upper
43 100
58 20.8 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.763 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24

Tgt Ion: 95 Resp: 135930
Ion Ratio Lower Upper
95 100
174 75.9 0.0 143.8
176 73.1 0.0 135.8

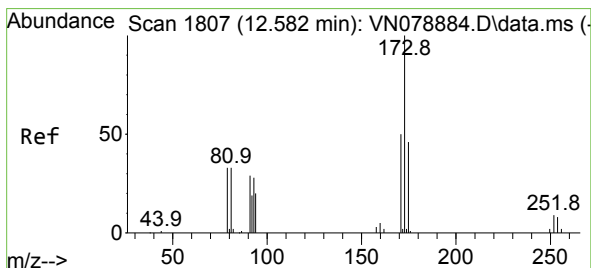
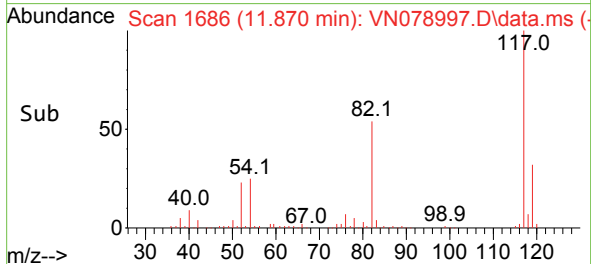
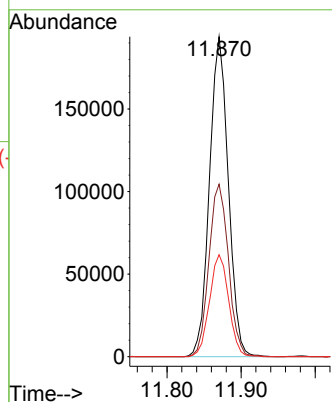
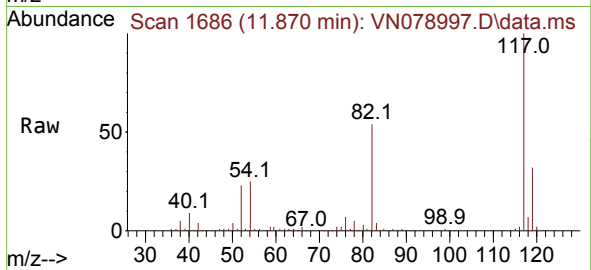




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24

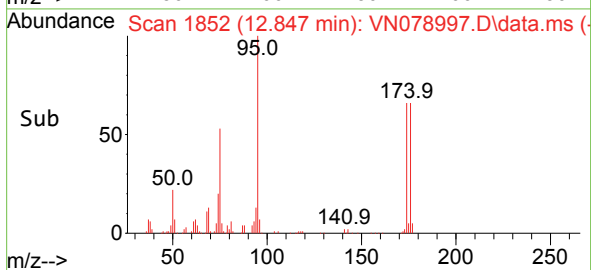
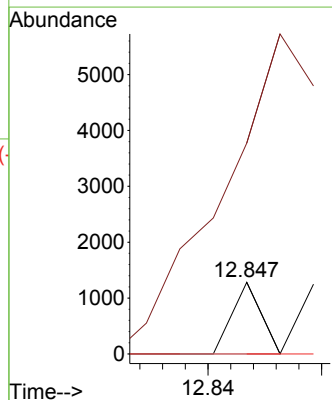
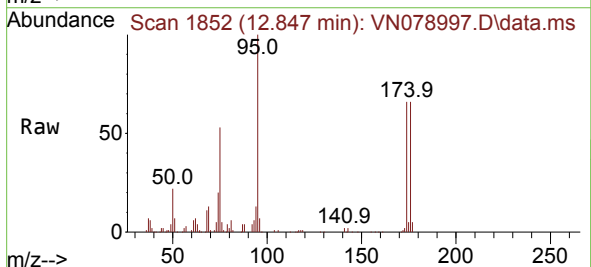
Instrument :
MSVOA_N
ClientSampleId :

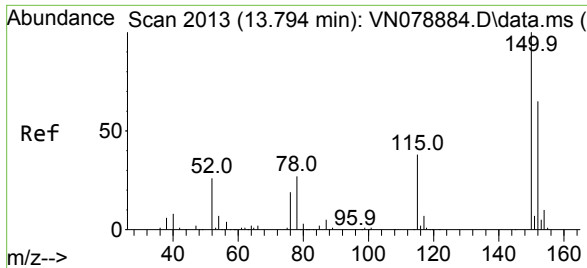
Tgt Ion:117 Resp: 342145
Ion Ratio Lower Upper
117 100
82 53.9 44.0 66.0
119 31.8 25.6 38.4



#71
Bromoform
Concen: 0.226 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24

Tgt Ion:173 Resp: 453
Ion Ratio Lower Upper
173 100
175 1493.6 24.3 73.0#
254 0.0 0.0 0.0

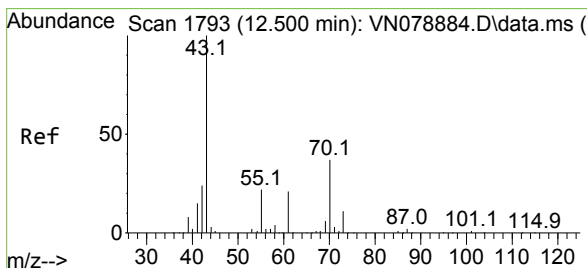
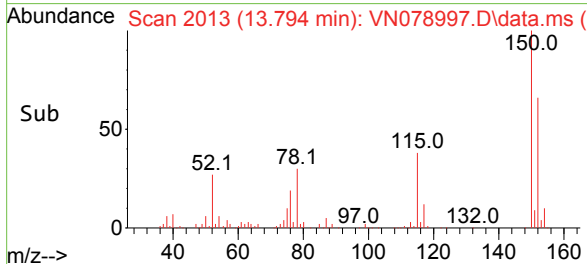
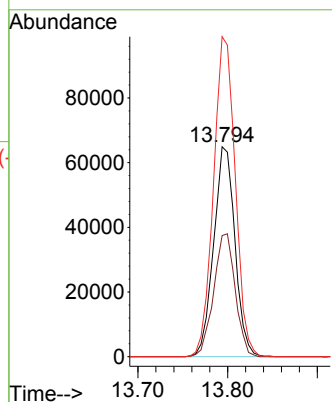
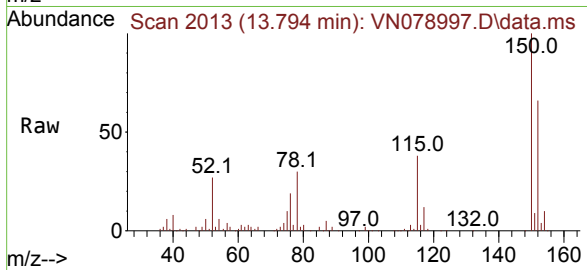




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN078997.D
 Acq: 22 Aug 2023 16:24

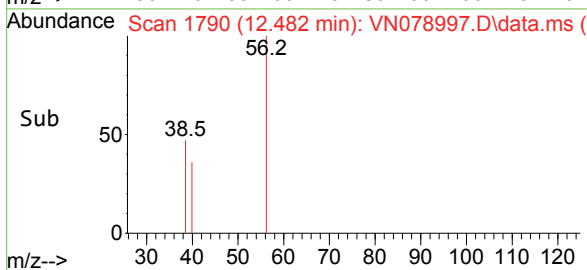
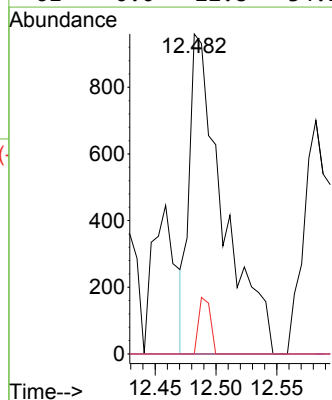
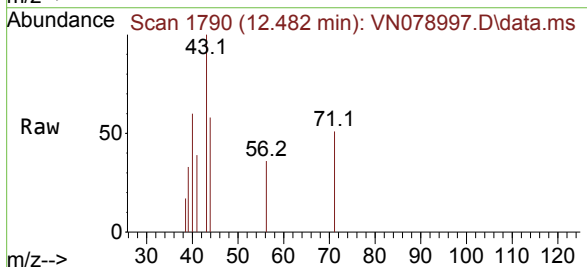
Instrument :
 MSVOA_N
 ClientSampleId :

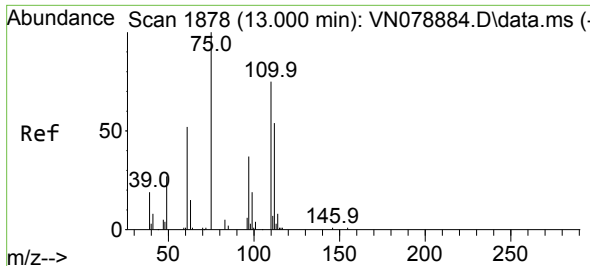
Tgt Ion:152 Resp: 107045
 Ion Ratio Lower Upper
 152 100
 115 59.2 32.3 96.8
 150 155.4 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.412 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.018 min
 Lab File: VN078997.D
 Acq: 22 Aug 2023 16:24

Tgt Ion: 43 Resp: 1858
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 6.1 21.4 32.0#
 61 0.0 22.8 34.2#

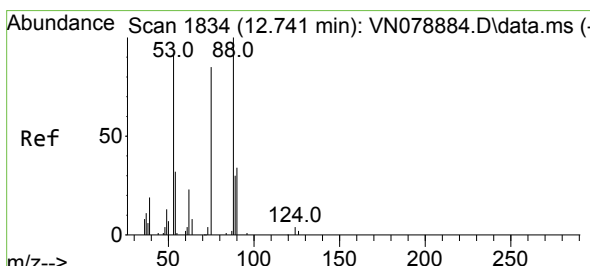
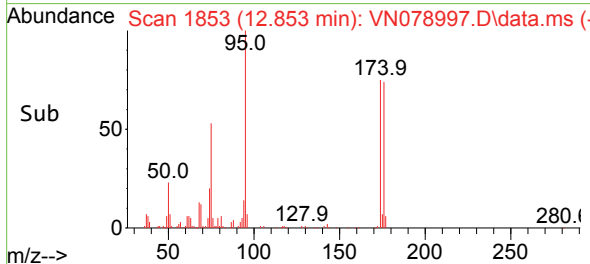
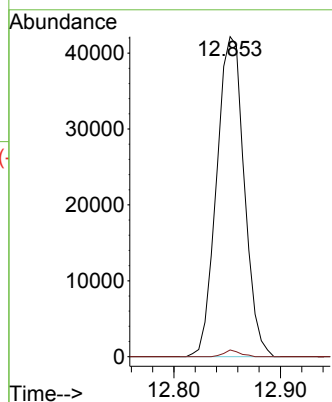
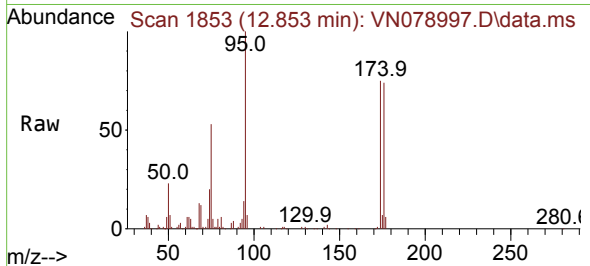




#76
1,2,3-Trichloropropane
Concen: 29.405 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24

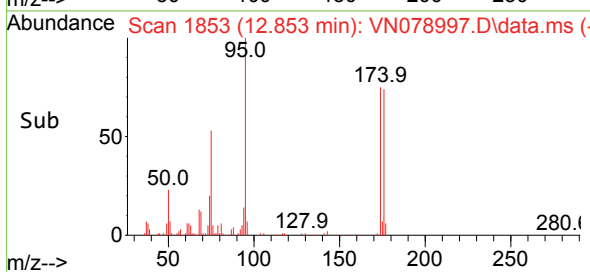
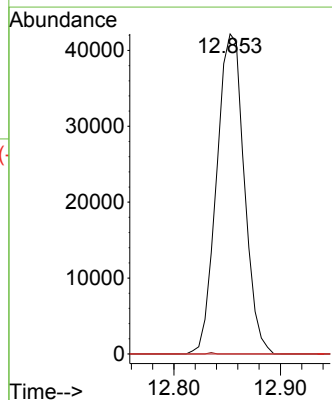
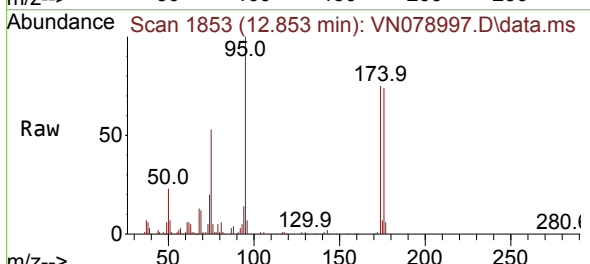
Instrument :
MSVOA_N
ClientSampleId :

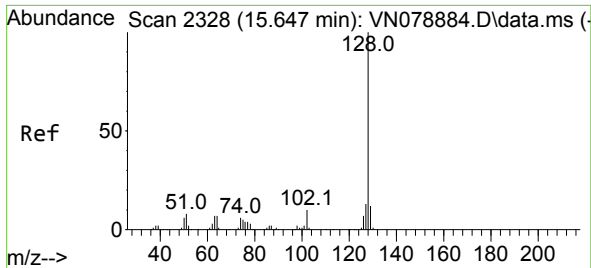
Tgt Ion: 75 Resp: 75843
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.117 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078997.D
Acq: 22 Aug 2023 16:24

Tgt Ion: 75 Resp: 75843
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 2.618 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.006 min

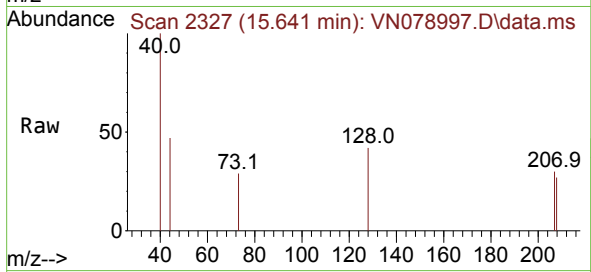
Lab File: VN078997.D

Acq: 22 Aug 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 227

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#

