

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079072.D
 Acq On : 28 Aug 2023 17:19
 Operator : JC\MD
 Sample : 04188-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 04:40:18 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)

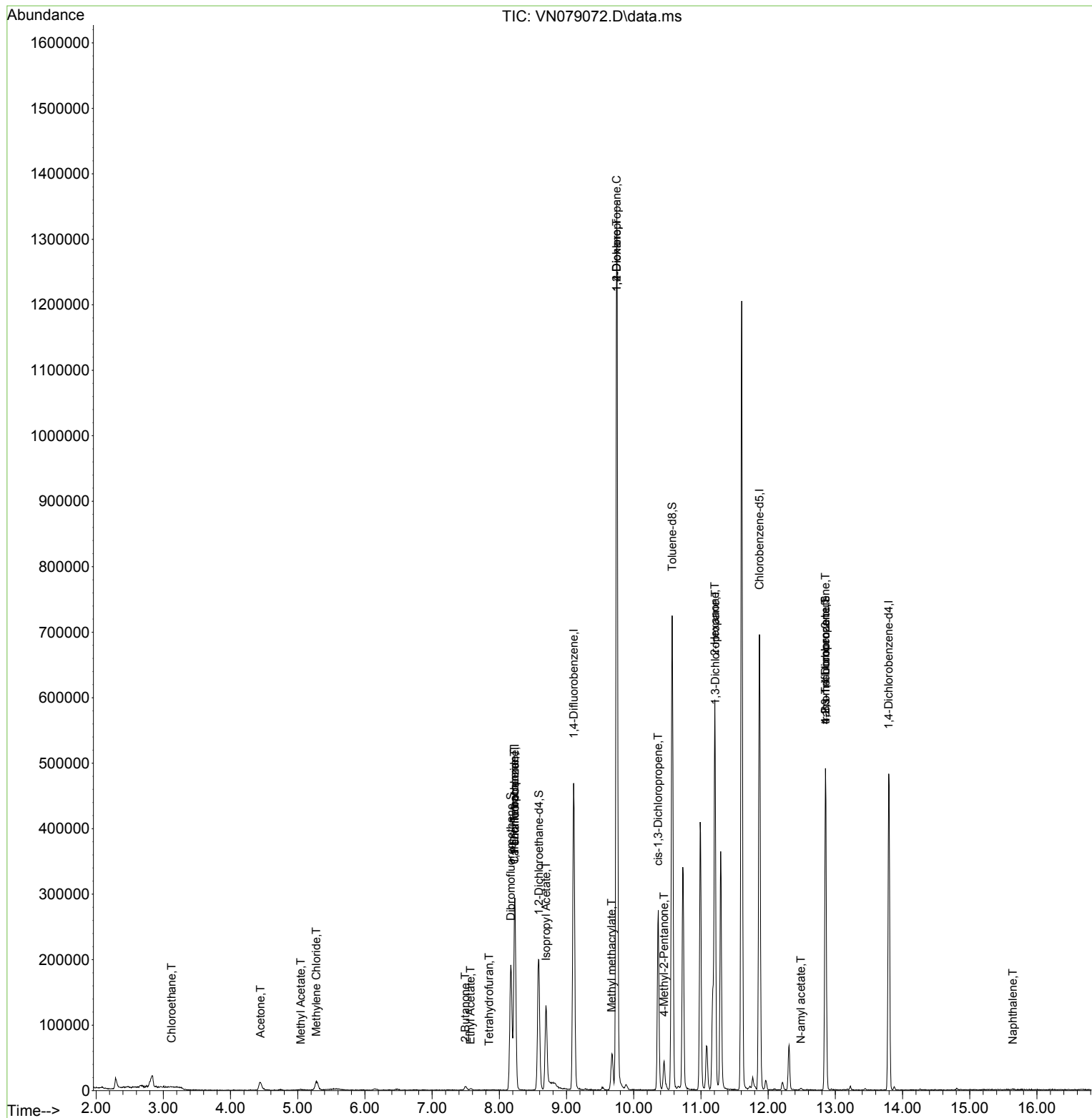
Internal Standards						
1) Pentafluorobenzene	8.230	168	208237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	386609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	158907	49.040	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.080%
35) Dibromofluoromethane	8.171	113	137840	51.867	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.740%
50) Toluene-d8	10.571	98	487564	49.410	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.820%
62) 4-Bromofluorobenzene	12.853	95	158178	49.042	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.080%
Target Compounds						
					Qvalue	
6) Chloroethane	3.124	64	638	0.258	ug/l #	43
16) Acetone	4.448	43	23376	17.484	ug/l #	87
18) Methyl Acetate	5.048	43	2674	0.473	ug/l #	52
20) Methylene Chloride	5.277	84	9432	3.310	ug/l #	72
25) 2-Butanone	7.494	43	9646	4.500	ug/l #	63
29) Tetrahydrofuran	7.847	42	294	0.207	ug/l #	20
31) Cyclohexane	8.224	56	6088	Below Cal	#	35
36) 1,1-Dichloropropene	8.224	75	18197	4.552	ug/l #	50
37) Ethyl Acetate	7.571	43	3655	0.817	ug/l #	71
38) Carbon Tetrachloride	8.224	117	22637	5.651	ug/l #	17
43) Isopropyl Acetate	8.694	43	152459	19.285	ug/l #	76
45) 1,2-Dichloropropane	9.747	63	1258	0.400	ug/l #	45
48) Methyl methacrylate	9.671	41	4345	1.213	ug/l #	31
49) 1,4-Dioxane	9.747	88	123	2.016	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	35143	7.495	ug/l #	77
54) cis-1,3-Dichloropropene	10.365	75	44400	8.922	ug/l #	68
57) 1,3-Dichloropropane	11.212	76	5877	1.130	ug/l #	42
59) 2-Hexanone	11.206	43	78140	23.009	ug/l #	47
74) N-amyl acetate	12.488	43	1491	0.284	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	87128	28.944	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	87128	73.939	ug/l #	15
95) Naphthalene	15.641	128	676	2.686	ug/l #	82

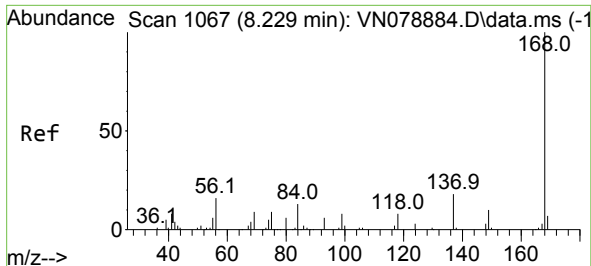
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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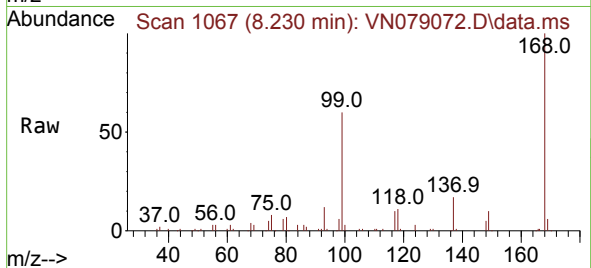
Quant Time: Aug 29 04:40:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
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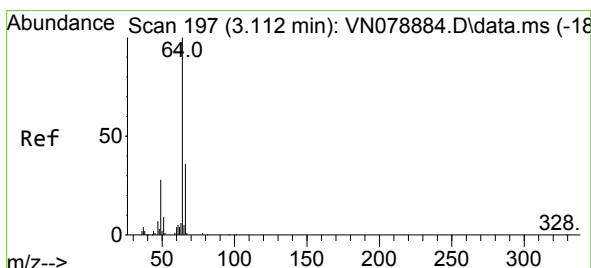
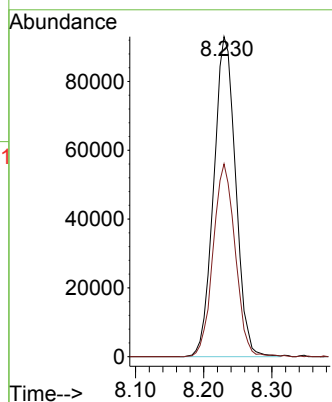
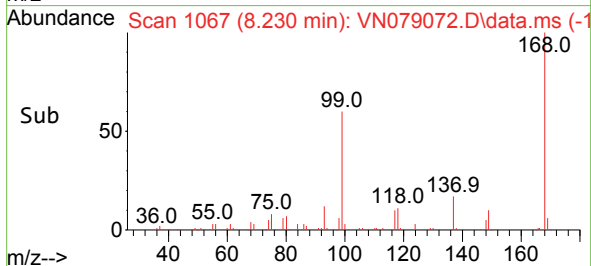


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

Instrument :
MSVOA_N
ClientSampleId :

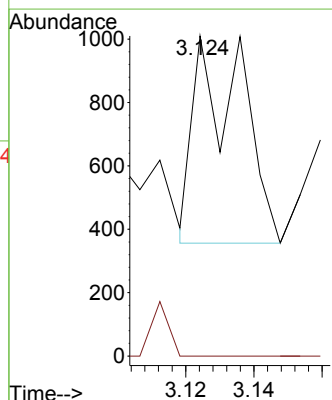
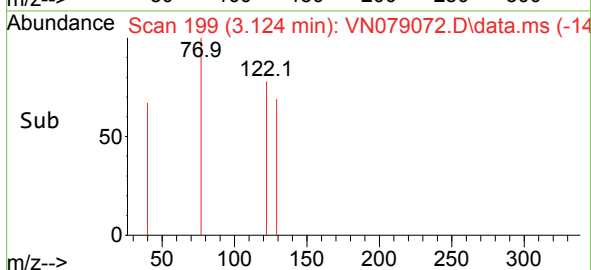
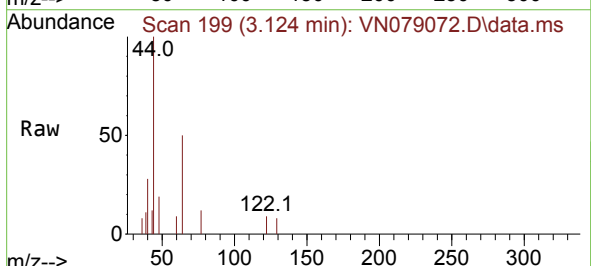


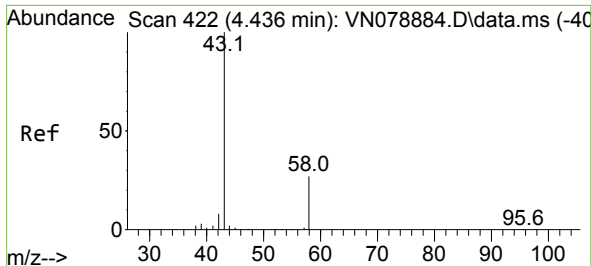
Tgt Ion:168 Resp: 208237
Ion Ratio Lower Upper
168 100
99 60.3 53.0 79.6



#6
Chloroethane
Concen: 0.258 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

Tgt Ion: 64 Resp: 638
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#16

Acetone

Concen: 17.484 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN079072.D

Acq: 28 Aug 2023 17:19

Instrument :

MSVOA_N

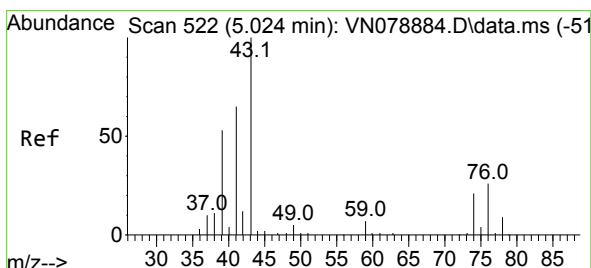
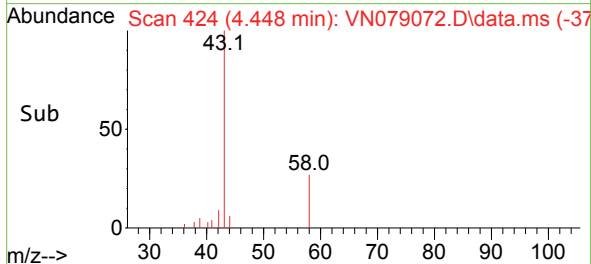
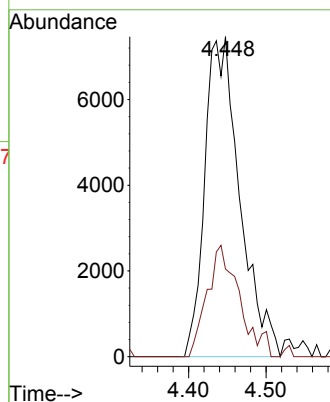
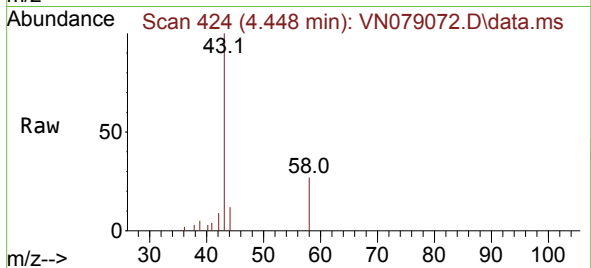
ClientSampleId :

Tgt Ion: 43 Resp: 23376

Ion Ratio Lower Upper

43 100

58 27.4 28.0 42.0#



#18

Methyl Acetate

Concen: 0.473 ug/l

RT: 5.048 min Scan# 526

Delta R.T. 0.006 min

Lab File: VN079072.D

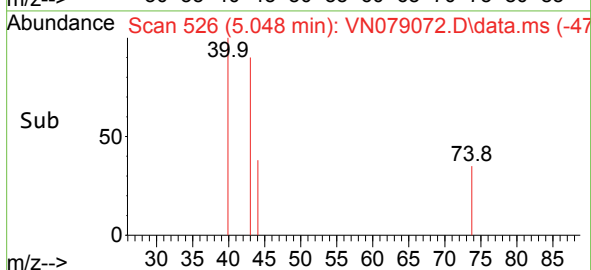
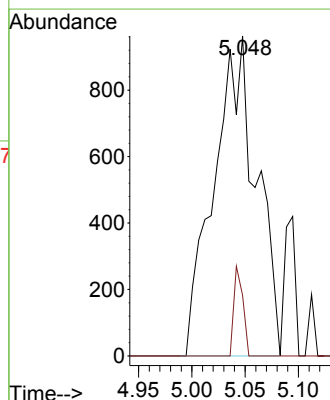
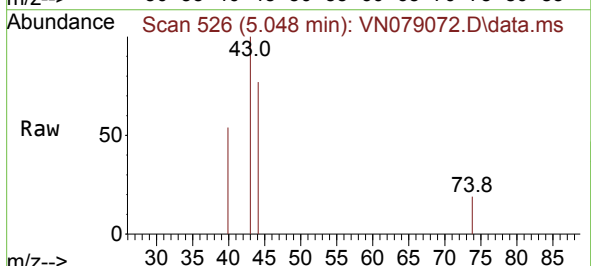
Acq: 28 Aug 2023 17:19

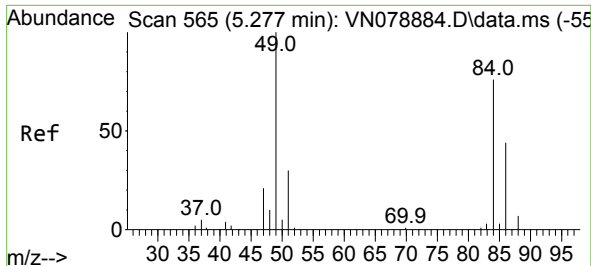
Tgt Ion: 43 Resp: 2674

Ion Ratio Lower Upper

43 100

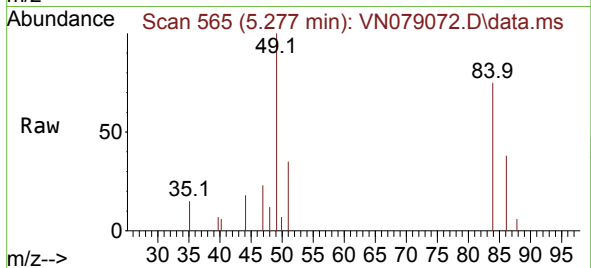
74 6.0 26.2 39.4#



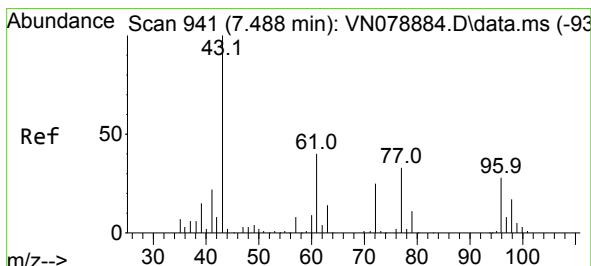
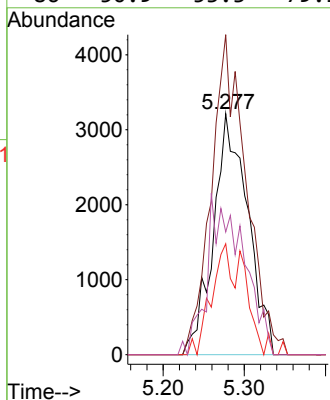
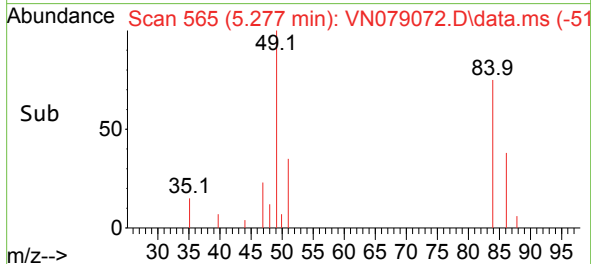


#20
Methylene Chloride
Concen: 3.310 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

Instrument :
MSVOA_N
ClientSampleId :

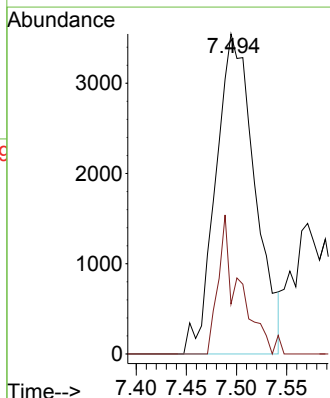
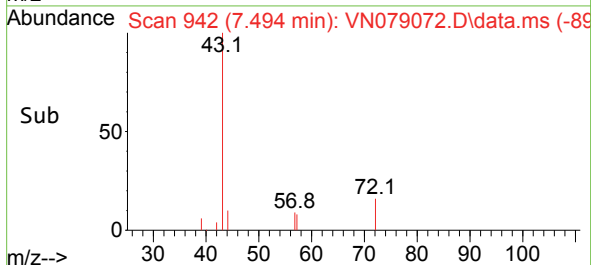
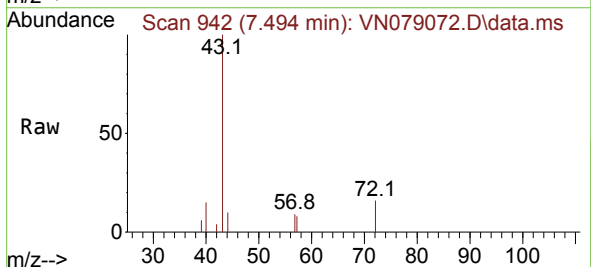


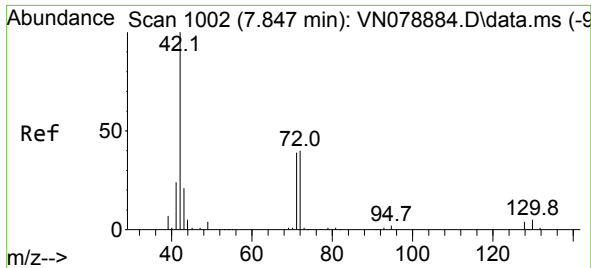
Tgt Ion: 84 Resp: 9432
Ion Ratio Lower Upper
84 100
49 132.8 79.7 119.5#
51 46.0 25.2 37.8#
86 50.9 53.3 79.9#



#25
2-Butanone
Concen: 4.500 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

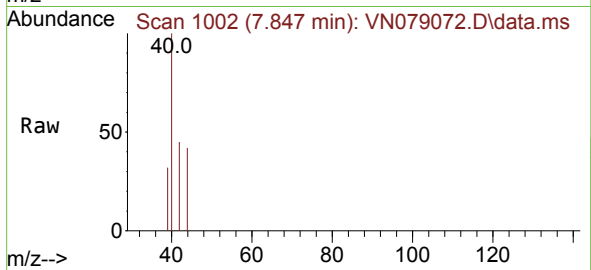
Tgt Ion: 43 Resp: 9646
Ion Ratio Lower Upper
43 100
72 15.6 30.2 45.2#



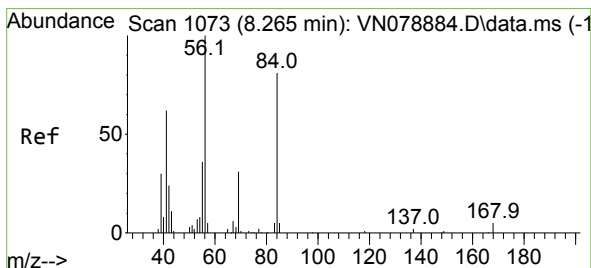
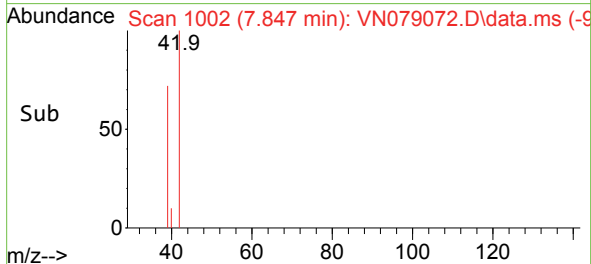
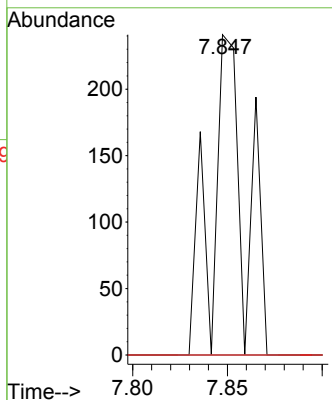


#29
Tetrahydrofuran
Concen: 0.207 ug/l
RT: 7.847 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

Instrument :
MSVOA_N
ClientSampleId :

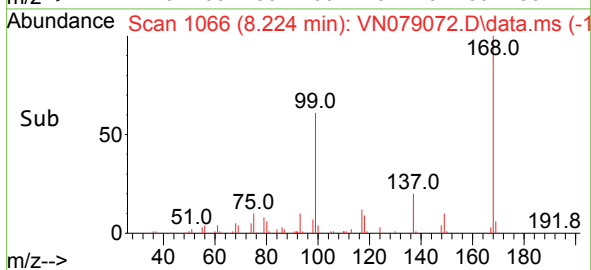
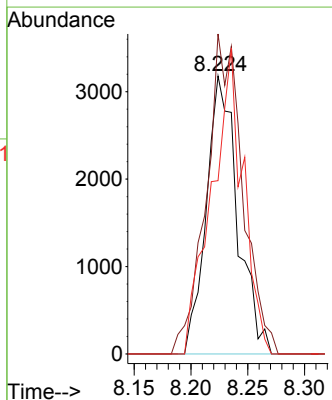
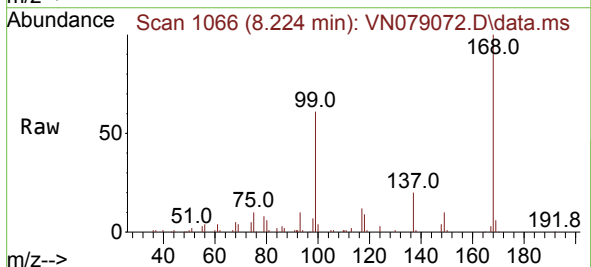


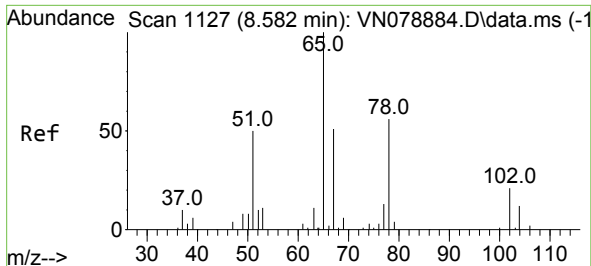
Tgt Ion: 42 Resp: 294
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

Tgt Ion: 56 Resp: 6088
Ion Ratio Lower Upper
56 100
69 115.1 26.8 40.2#
84 62.4 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 49.040 ug/l

RT: 8.589 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN079072.D

Acq: 28 Aug 2023 17:19

Instrument :

MSVOA_N

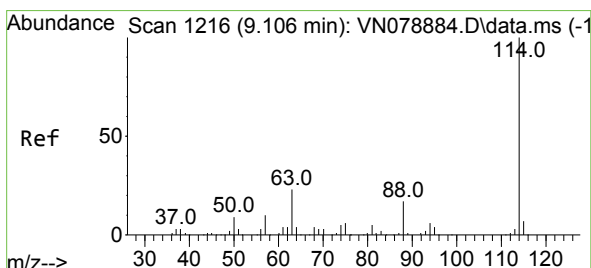
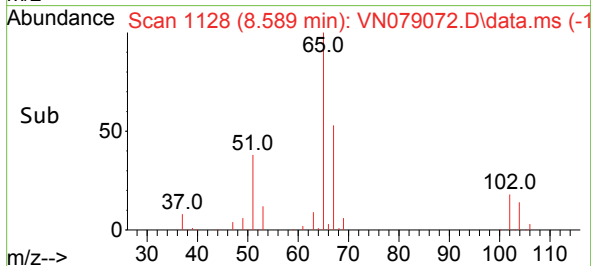
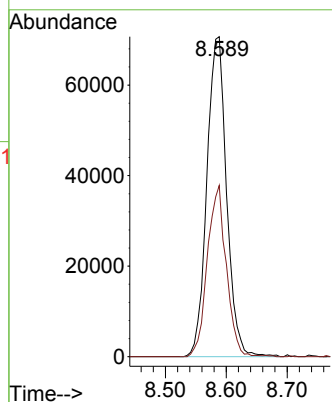
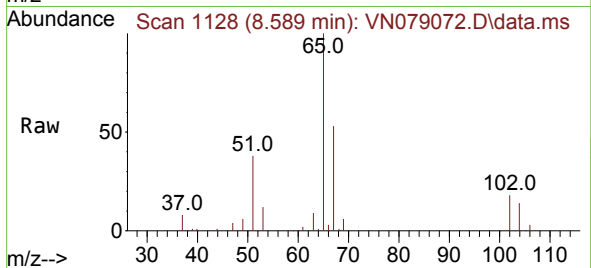
ClientSampleId :

Tgt Ion: 65 Resp: 158907

Ion Ratio Lower Upper

65 100

67 51.6 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: VN079072.D

Acq: 28 Aug 2023 17:19

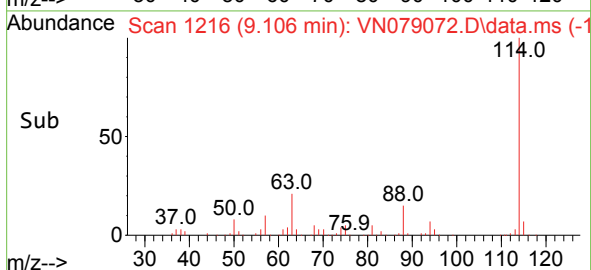
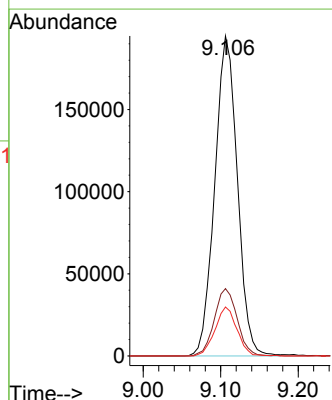
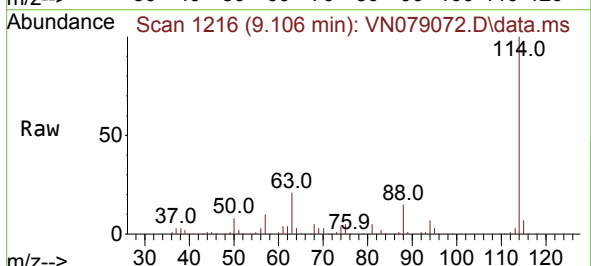
Tgt Ion: 114 Resp: 394794

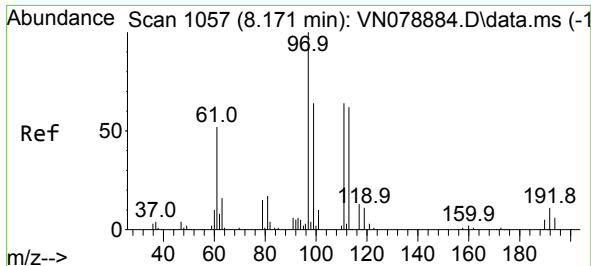
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.867 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

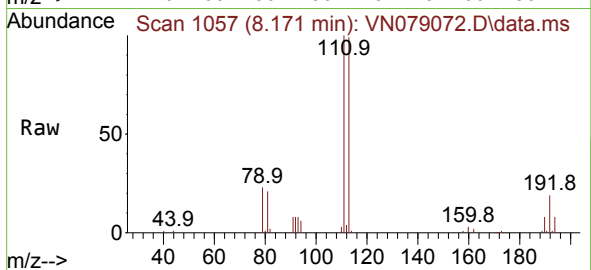
Lab File: VN079072.D

Acq: 28 Aug 2023 17:19

Instrument :

MSVOA_N

ClientSampleId :



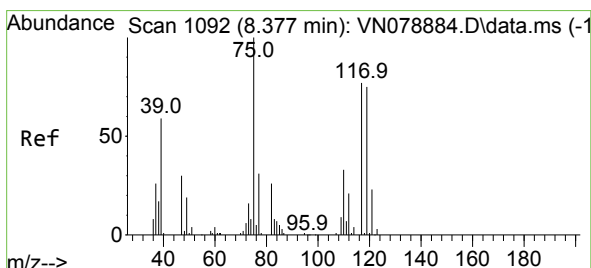
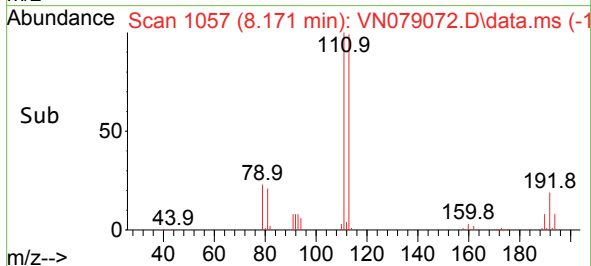
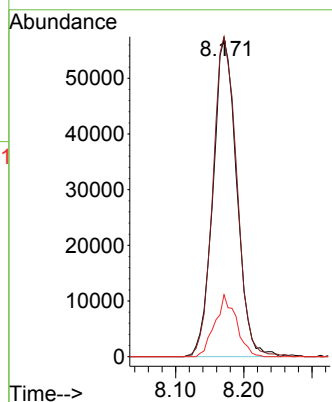
Tgt Ion:113 Resp: 137840

Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

192 17.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.552 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079072.D

Acq: 28 Aug 2023 17:19

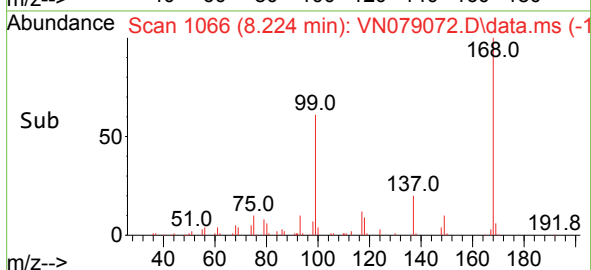
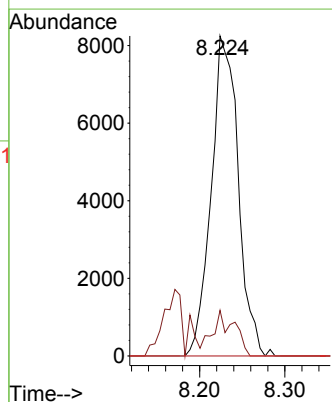
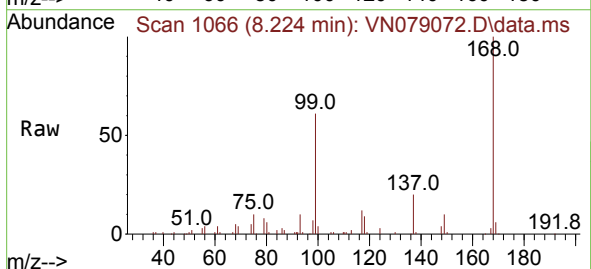
Tgt Ion: 75 Resp: 18197

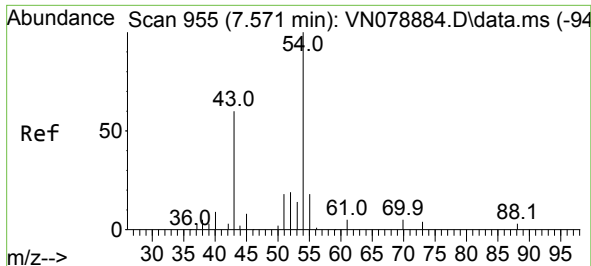
Ion Ratio Lower Upper

75 100

110 11.5 19.1 57.3#

77 0.0 25.0 37.4#

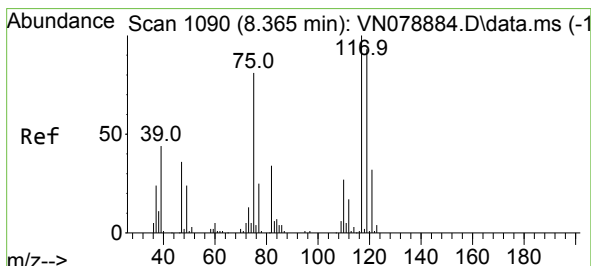
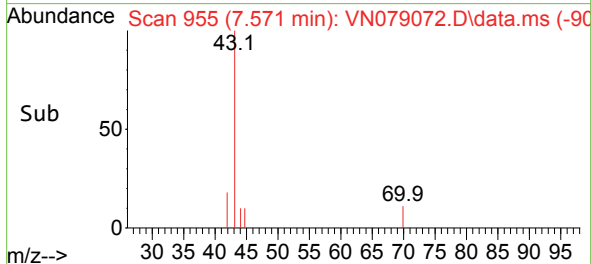
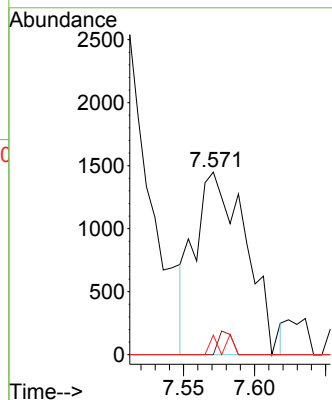
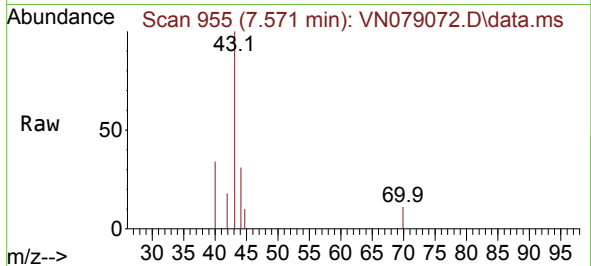




#37
Ethyl Acetate
Concen: 0.817 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

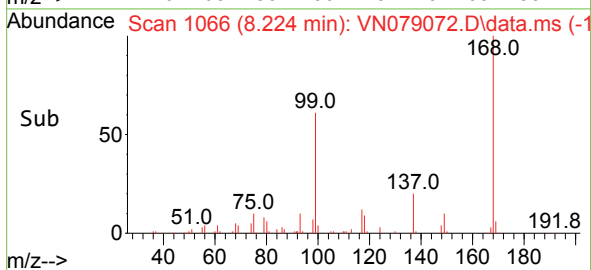
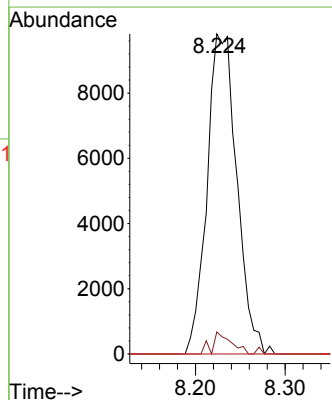
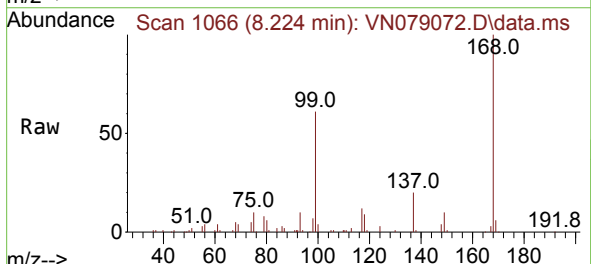
Instrument :
MSVOA_N
ClientSampleId :

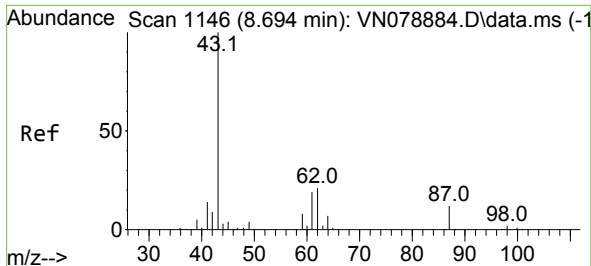
Tgt Ion: 43 Resp: 3655
Ion Ratio Lower Upper
43 100
61 3.4 13.2 19.8#
70 3.1 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

Tgt Ion: 117 Resp: 22637
Ion Ratio Lower Upper
117 100
119 6.9 77.3 115.9#
121 0.0 23.3 34.9#

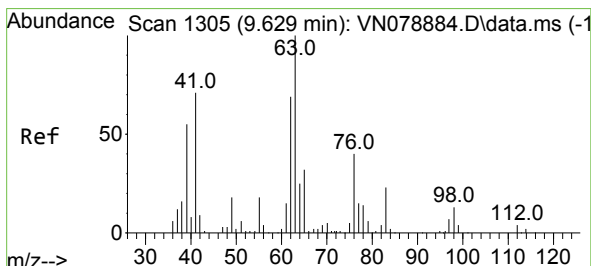
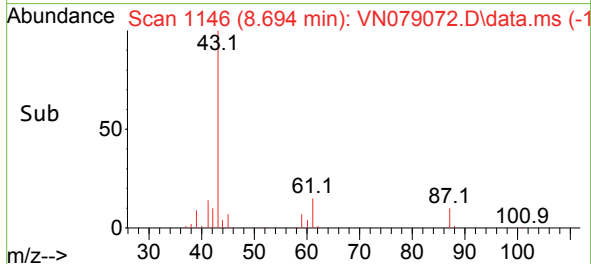
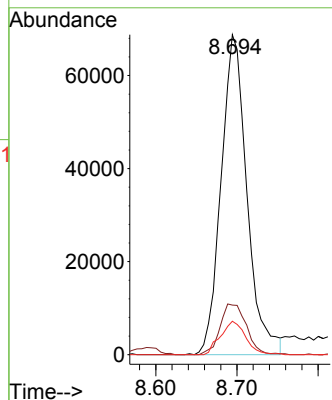
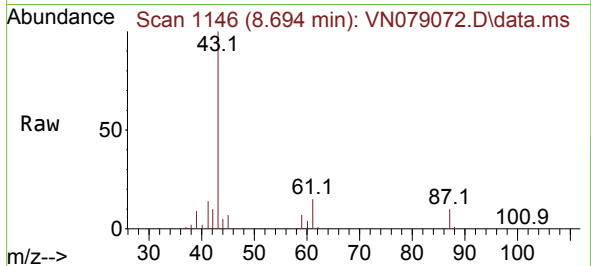




#43
Isopropyl Acetate
Concen: 19.285 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

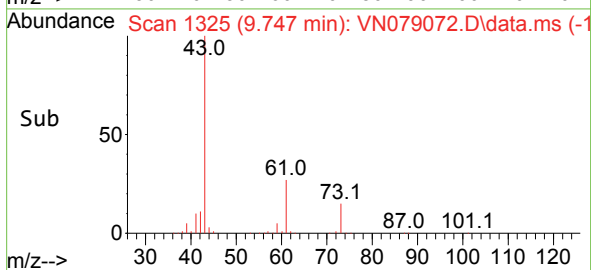
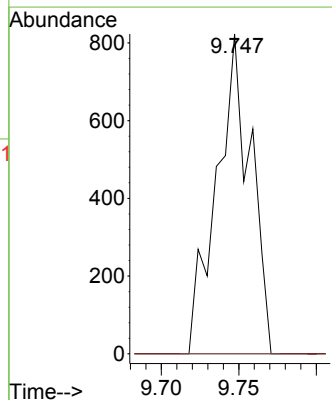
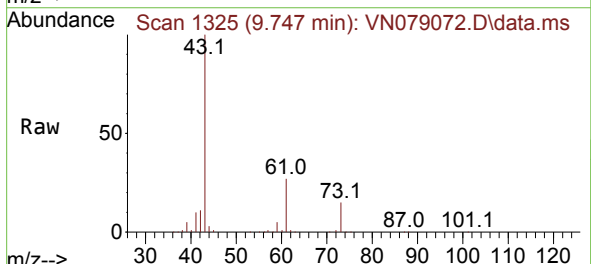
Instrument :
MSVOA_N
ClientSampleId :

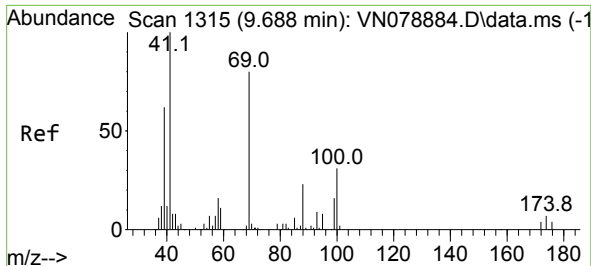
Tgt Ion: 43 Resp: 152459
Ion Ratio Lower Upper
43 100
61 16.1 24.7 37.1#
87 10.2 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.400 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

Tgt Ion: 63 Resp: 1258
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

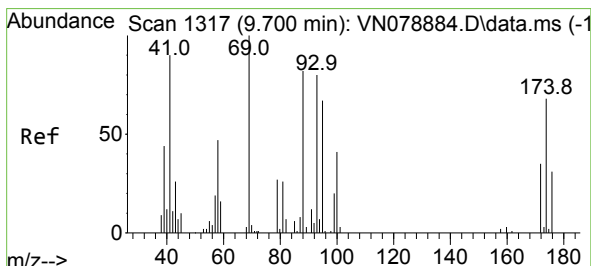
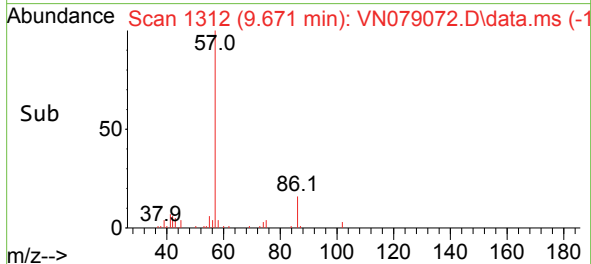
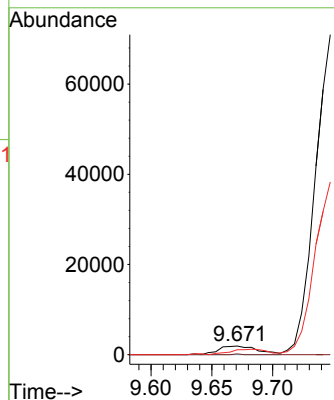
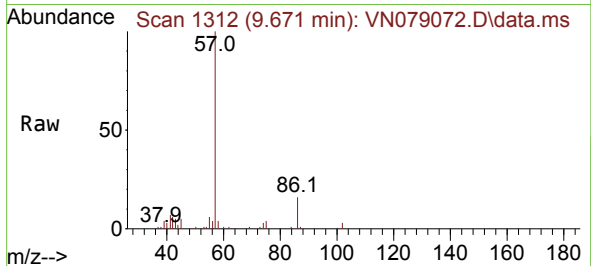




#48
Methyl methacrylate
Concen: 1.213 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

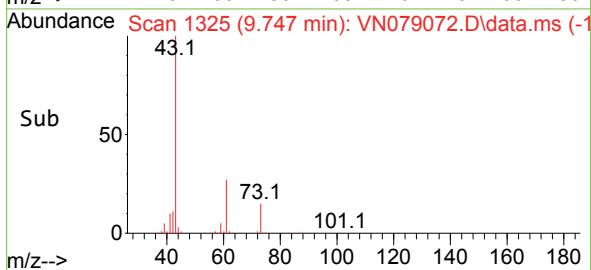
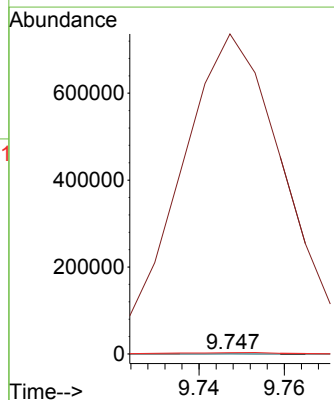
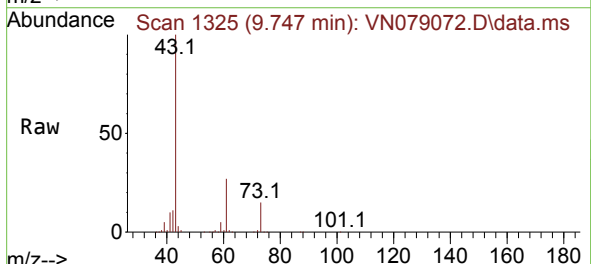
Instrument :
MSVOA_N
ClientSampleId :

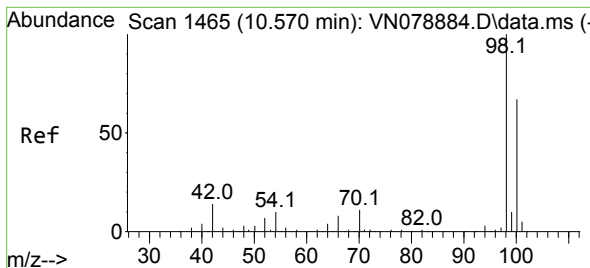
Tgt Ion: 41 Resp: 4345
Ion Ratio Lower Upper
41 100
69 1.6 90.4 135.6#
39 60.1 54.6 81.8



#49
1,4-Dioxane
Concen: 2.016 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

Tgt Ion: 88 Resp: 123
Ion Ratio Lower Upper
88 100
43 1054105.7 17.0 25.6#
58 4945.5 47.0 70.4#

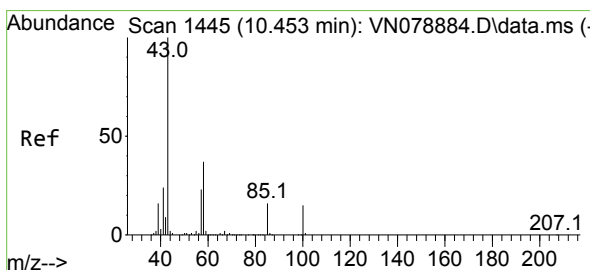
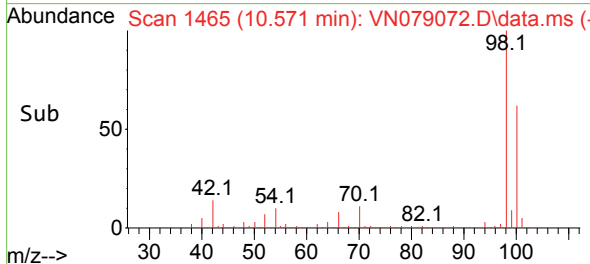
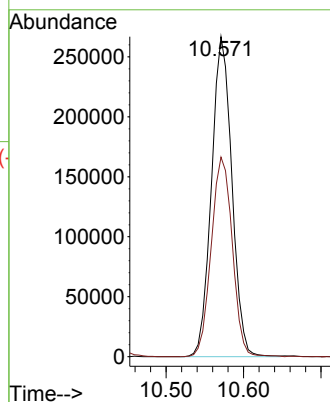
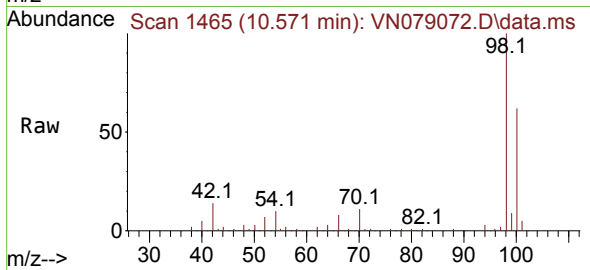




#50
Toluene-d8
Concen: 49.410 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

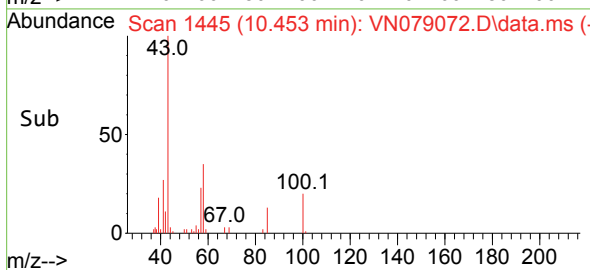
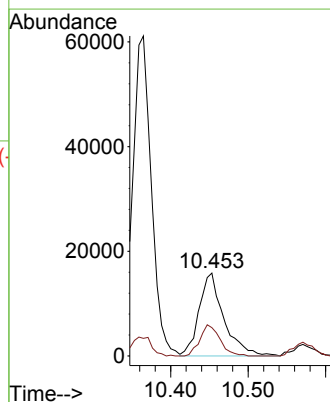
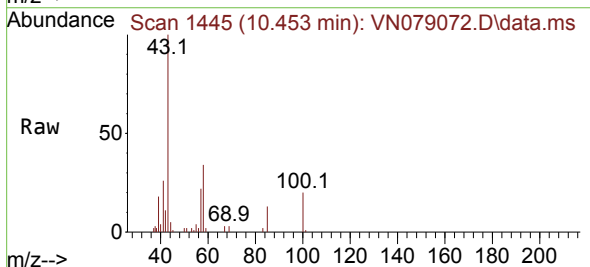
Instrument :
MSVOA_N
ClientSampleId :

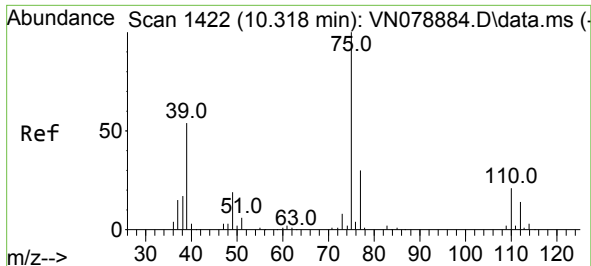
Tgt Ion: 98 Resp: 487564
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 7.495 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

Tgt Ion: 43 Resp: 35143
Ion Ratio Lower Upper
43 100
58 30.5 36.6 54.8#

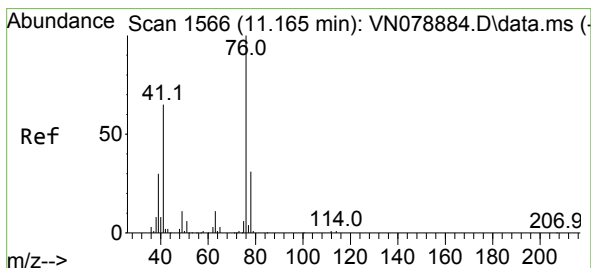
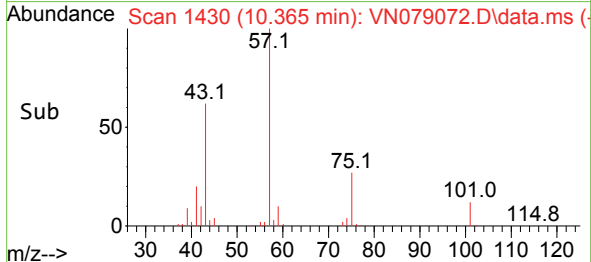
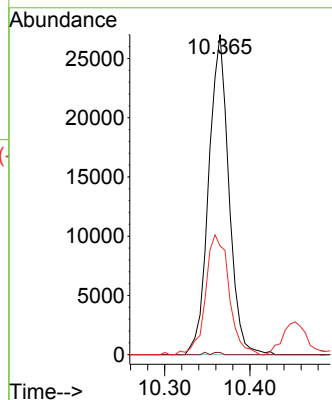
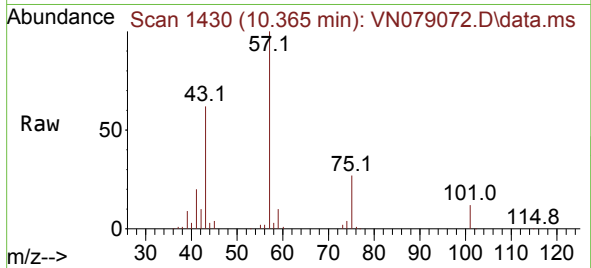




#54
 cis-1,3-Dichloropropene
 Concen: 8.922 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN079072.D
 Acq: 28 Aug 2023 17:19

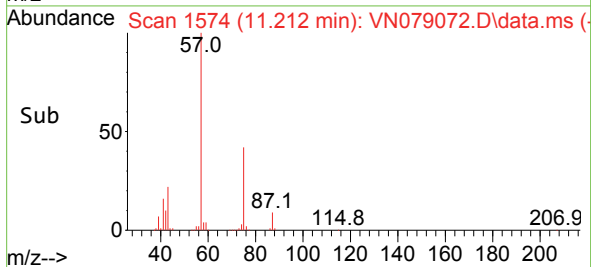
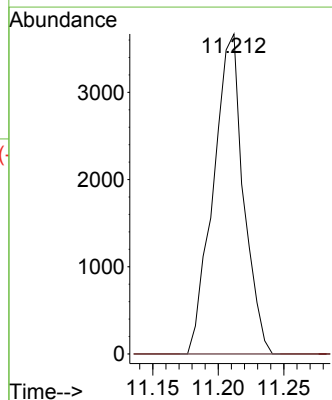
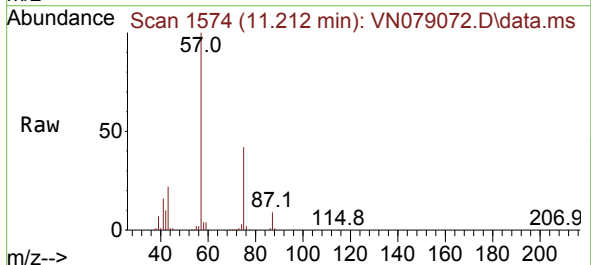
Instrument :
 MSVOA_N
 ClientSampleId :

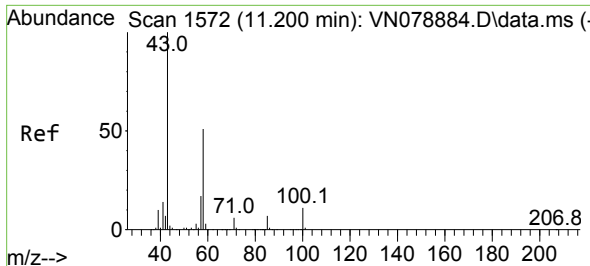
Tgt Ion: 75 Resp: 44400
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 32.9 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 1.130 ug/l
 RT: 11.212 min Scan# 1574
 Delta R.T. 0.047 min
 Lab File: VN079072.D
 Acq: 28 Aug 2023 17:19

Tgt Ion: 76 Resp: 5877
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

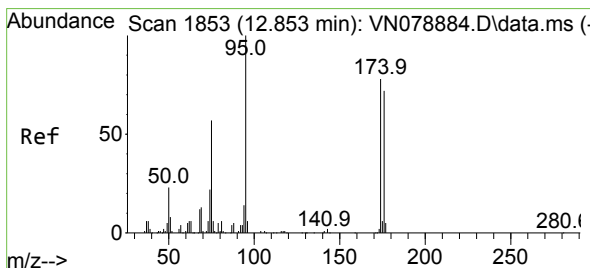
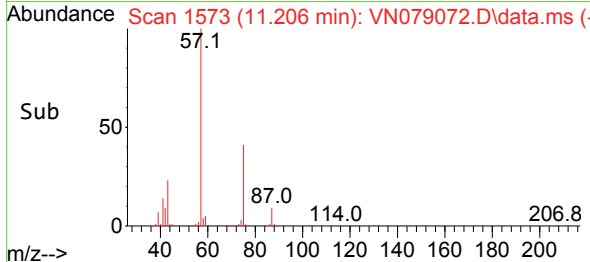
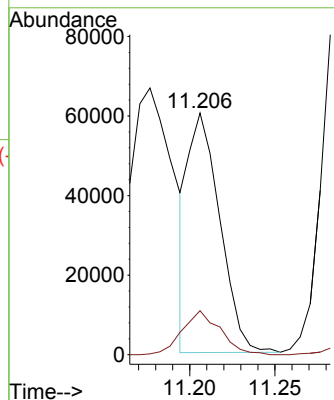
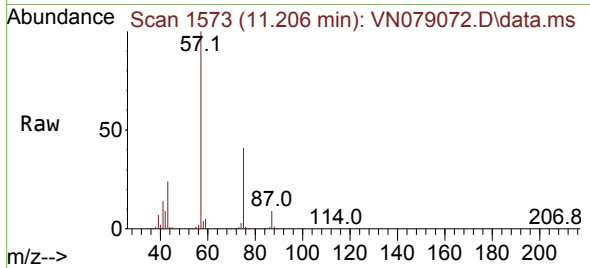




#59
2-Hexanone
Concen: 23.009 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

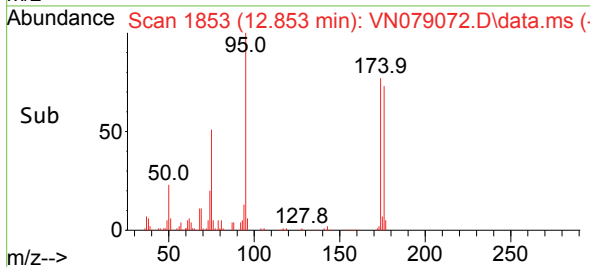
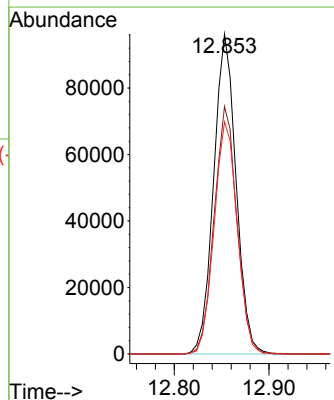
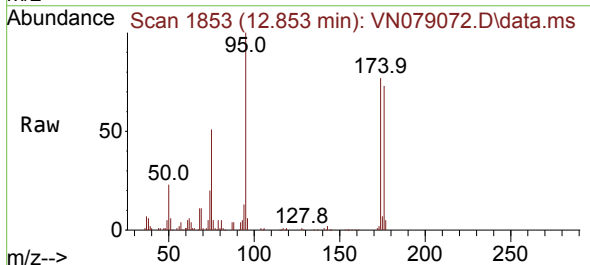
Instrument :
MSVOA_N
ClientSampleId :

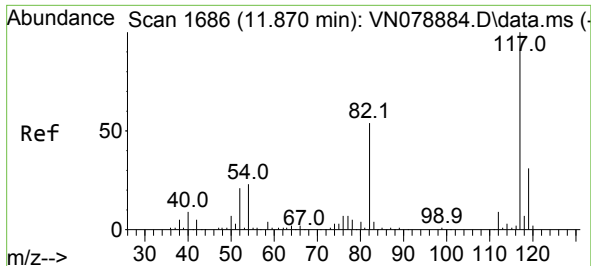
Tgt Ion: 43 Resp: 78140
Ion Ratio Lower Upper
43 100
58 22.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 49.042 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

Tgt Ion: 95 Resp: 158178
Ion Ratio Lower Upper
95 100
174 78.3 0.0 143.8
176 74.9 0.0 135.8

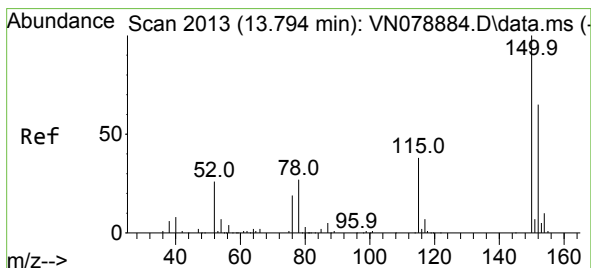
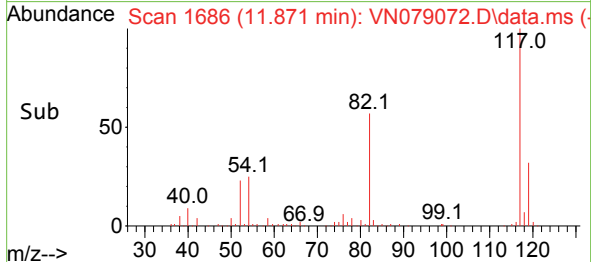
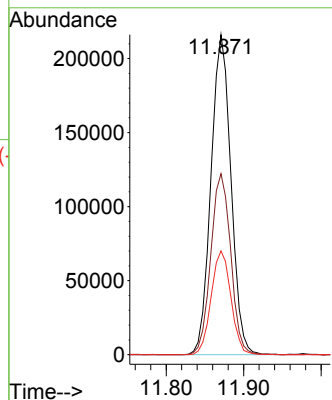
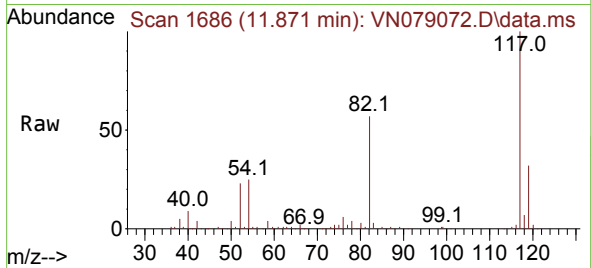




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

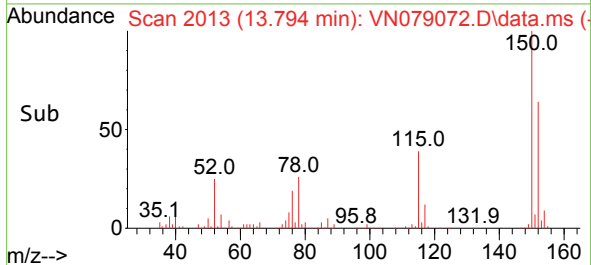
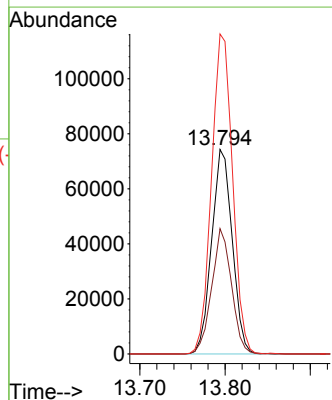
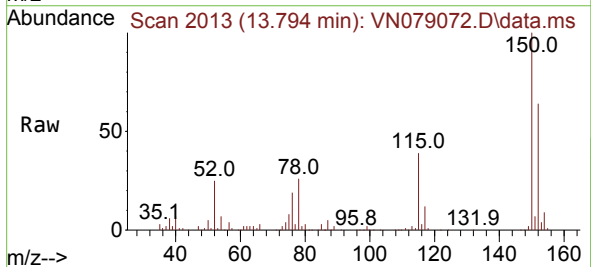
Instrument :
MSVOA_N
ClientSampleId :

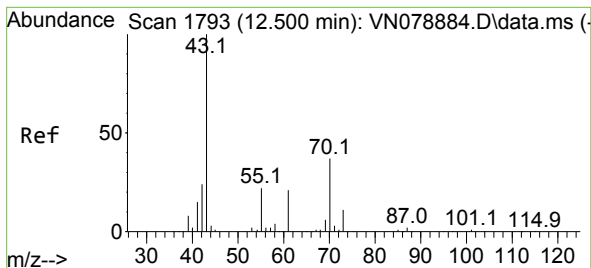
Tgt Ion:117 Resp: 386609
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

Tgt Ion:152 Resp: 124931
Ion Ratio Lower Upper
152 100
115 58.7 32.3 96.8
150 159.4 0.0 355.8





#74

N-amy1 acetate

Concen: 0.284 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN079072.D

Acq: 28 Aug 2023 17:19

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 1491

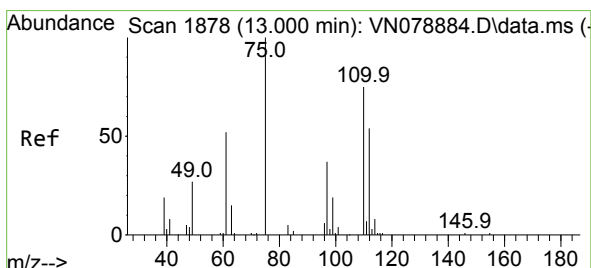
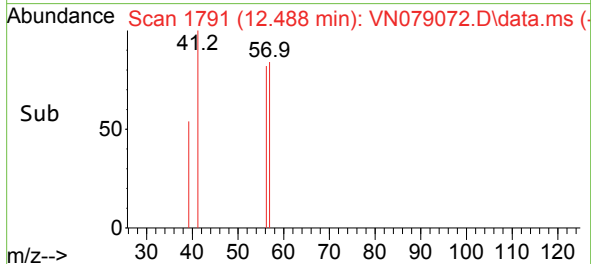
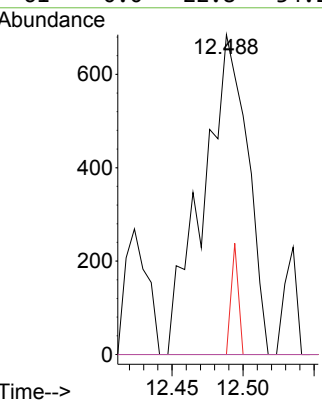
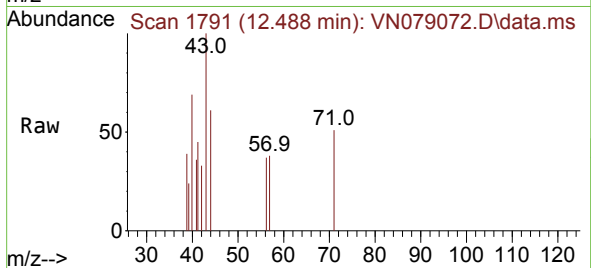
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 5.6 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 28.944 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079072.D

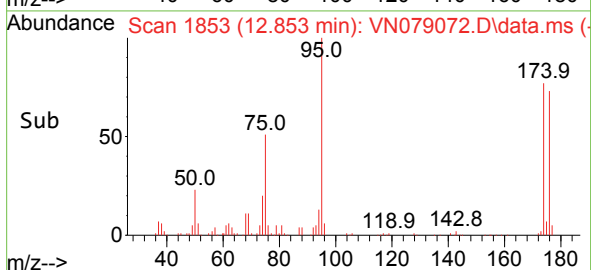
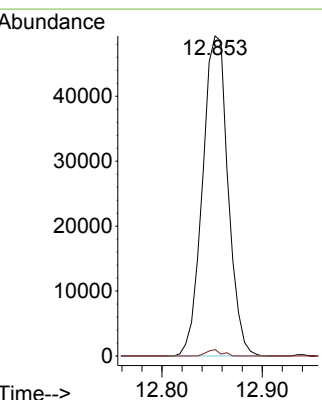
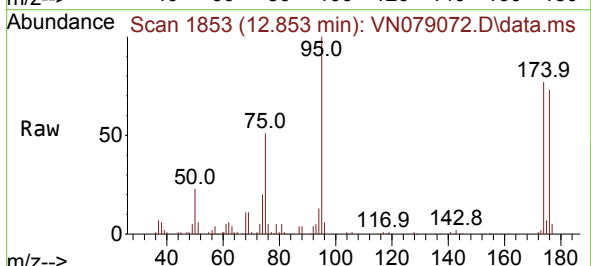
Acq: 28 Aug 2023 17:19

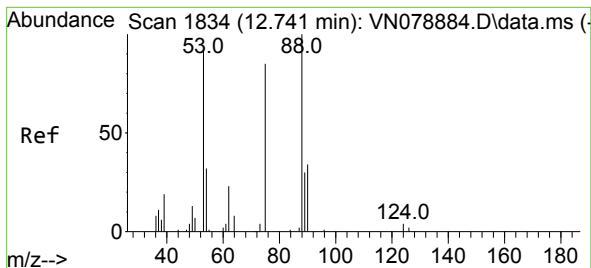
Tgt Ion: 75 Resp: 87128

Ion Ratio Lower Upper

75 100

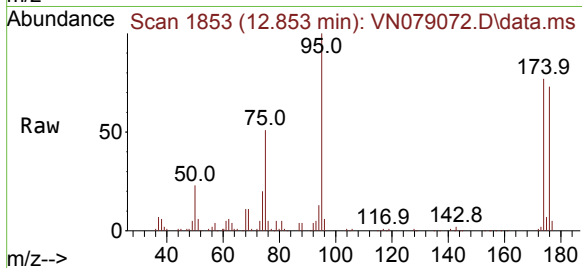
77 1.1 84.5 253.5#



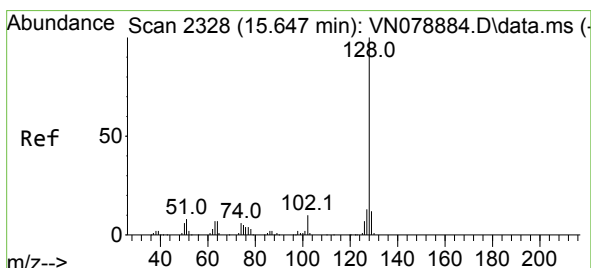
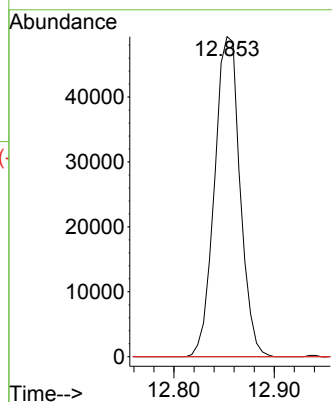
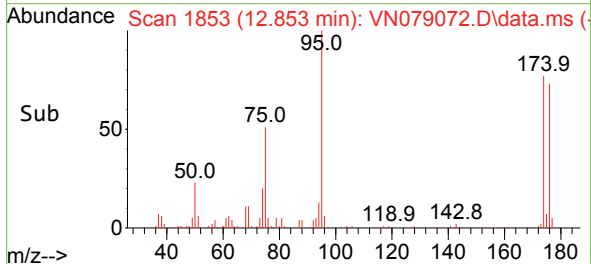


#81
trans-1,4-Dichloro-2-butene
Concen: 73.939 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19

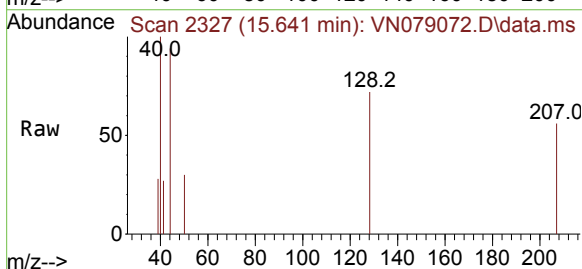
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 87128
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.686 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN079072.D
Acq: 28 Aug 2023 17:19



Tgt Ion:128 Resp: 676
Ion Ratio Lower Upper
128 100
127 8.9 10.0 15.0#
129 0.0 8.7 13.1#

