

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079071.D
 Acq On : 28 Aug 2023 16:55
 Operator : JC\MD
 Sample : 04188-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 04:07:18 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

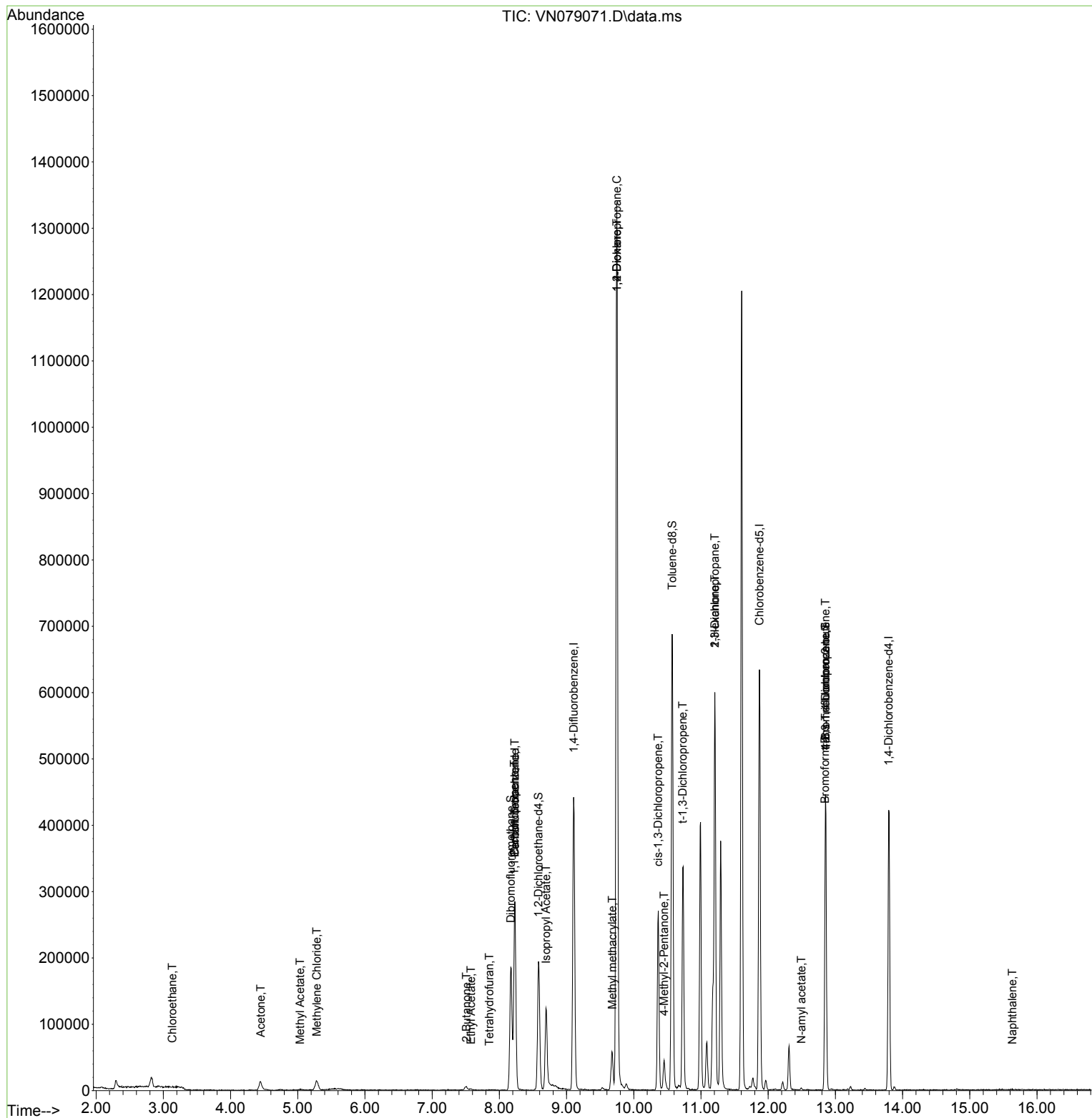
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	200505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	380048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	364518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	152206	48.784	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.560%
35) Dibromofluoromethane	8.171	113	131004	51.208	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.420%
50) Toluene-d8	10.571	98	467541	49.219	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.853	95	145045	46.715	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.440%
Target Compounds						
					Qvalue	
6) Chloroethane	3.136	64	569	0.239	ug/l #	43
16) Acetone	4.447	43	24594	19.104	ug/l	92
18) Methyl Acetate	5.036	43	1912	0.352	ug/l #	47
20) Methylene Chloride	5.283	84	9984	3.639	ug/l #	64
25) 2-Butanone	7.512	43	10192	4.938	ug/l #	72
29) Tetrahydrofuran	7.853	42	554	0.406	ug/l #	20
31) Cyclohexane	8.230	56	5005	Below Cal	#	1
36) 1,1-Dichloropropene	8.224	75	17658	4.589	ug/l #	49
37) Ethyl Acetate	7.577	43	3563	0.828	ug/l #	78
38) Carbon Tetrachloride	8.230	117	21215	5.502	ug/l #	17
43) Isopropyl Acetate	8.694	43	147273	19.352	ug/l #	78
45) 1,2-Dichloropropane	9.747	63	2169	0.716	ug/l #	45
48) Methyl methacrylate	9.682	41	3935	1.141	ug/l #	31
49) 1,4-Dioxane	9.747	88	110	1.873	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	35897	7.953	ug/l #	82
53) t-1,3-Dichloropropene	10.729	75	934	0.212	ug/l #	75
54) cis-1,3-Dichloropropene	10.365	75	46035	9.609	ug/l #	72
57) 1,3-Dichloropropane	11.206	76	6121	1.222	ug/l #	42
59) 2-Hexanone	11.206	43	83682	25.597	ug/l #	44
71) Bromoform	12.847	173	858	0.402	ug/l #	1
74) N-amyl acetate	12.494	43	1482	0.315	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	79596	29.543	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	79596	75.471	ug/l #	15
95) Naphthalene	15.635	128	430	2.654	ug/l #	70

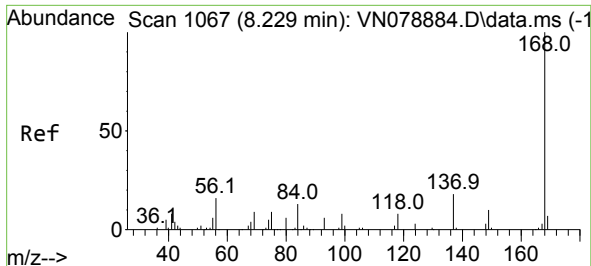
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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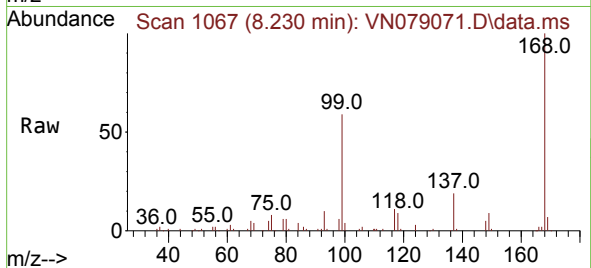
Quant Time: Aug 29 04:07:18 2023
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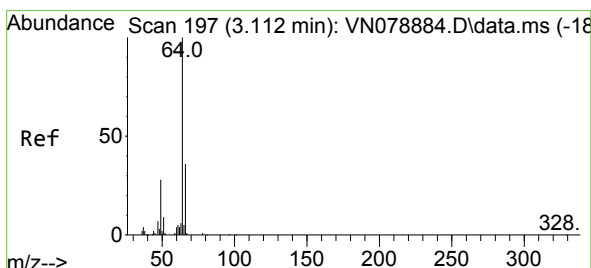
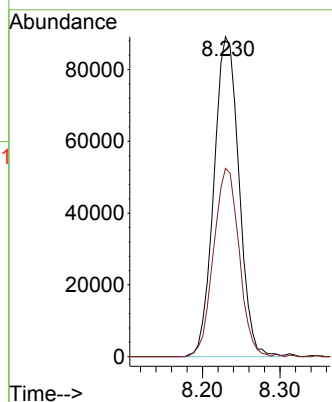
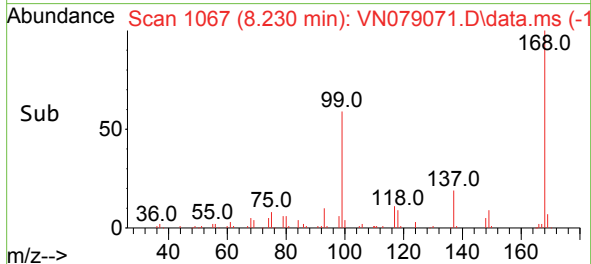


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

Instrument :
MSVOA_N
ClientSampleId :

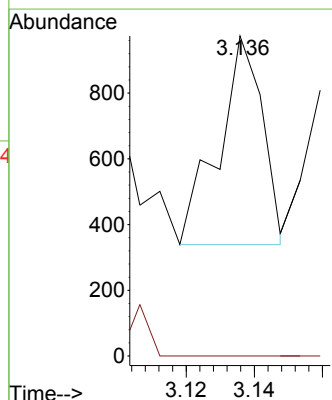
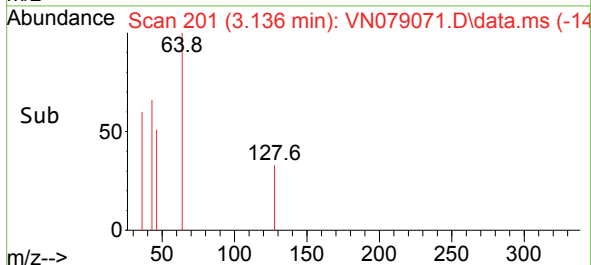
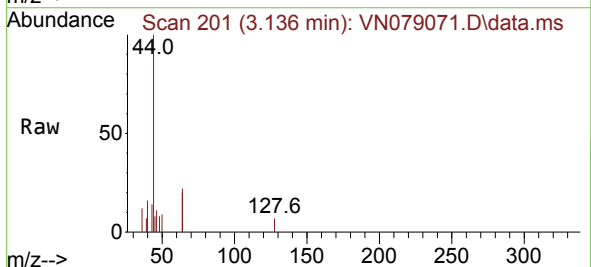


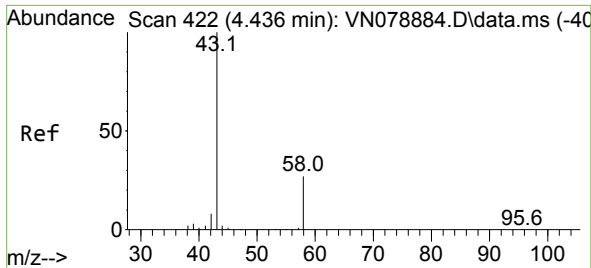
Tgt Ion:168 Resp: 200505
Ion Ratio Lower Upper
168 100
99 58.9 53.0 79.6



#6
Chloroethane
Concen: 0.239 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

Tgt Ion: 64 Resp: 569
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#16

Acetone

Concen: 19.104 ug/l

RT: 4.447 min Scan# 41

Delta R.T. 0.005 min

Lab File: VN079071.D

Acq: 28 Aug 2023 16:55

Instrument :

MSVOA_N

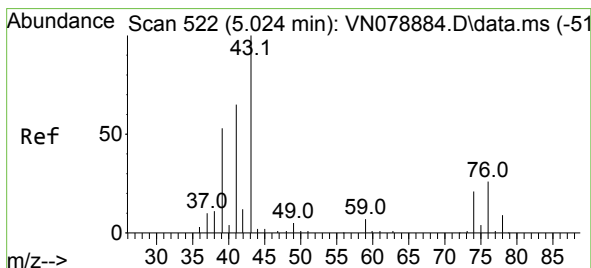
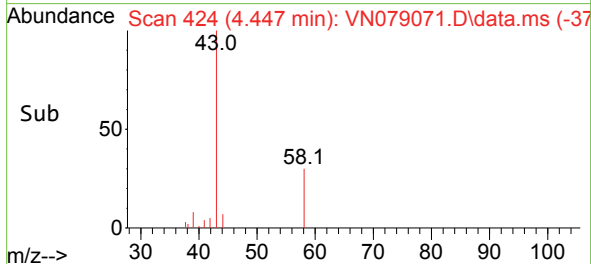
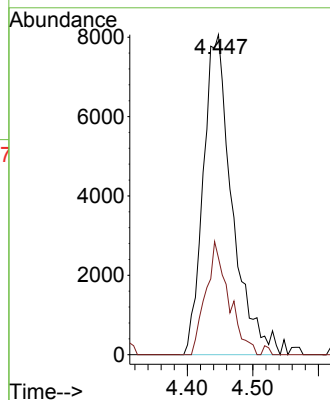
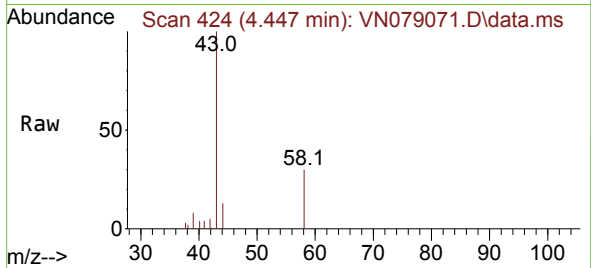
ClientSampleId :

Tgt Ion: 43 Resp: 24594

Ion Ratio Lower Upper

43 100

58 30.3 28.0 42.0



#18

Methyl Acetate

Concen: 0.352 ug/l

RT: 5.036 min Scan# 524

Delta R.T. -0.006 min

Lab File: VN079071.D

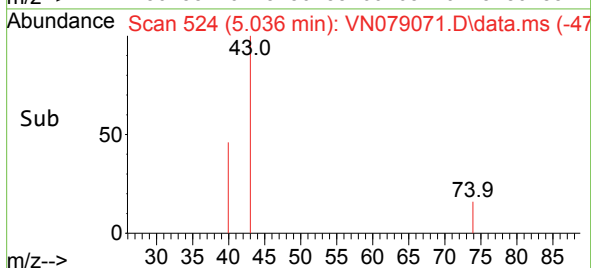
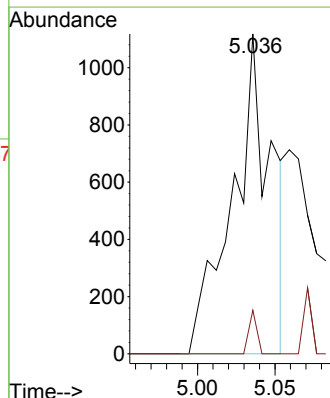
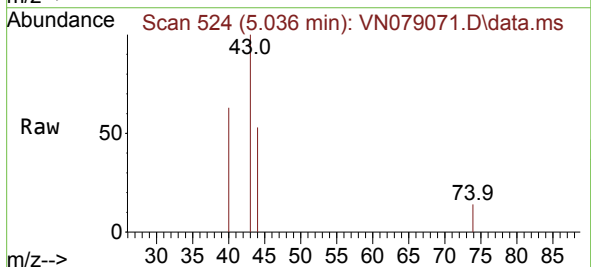
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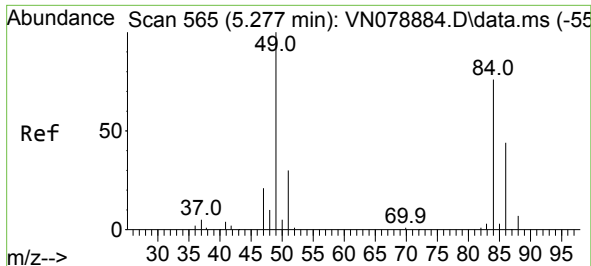
Tgt Ion: 43 Resp: 1912

Ion Ratio Lower Upper

43 100

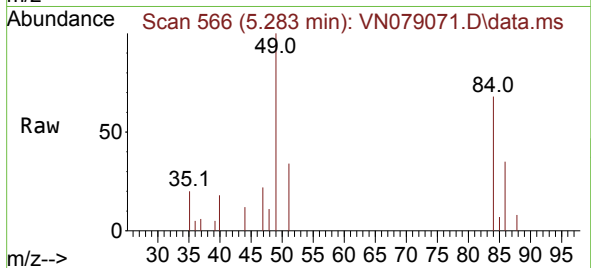
74 2.8 26.2 39.4#



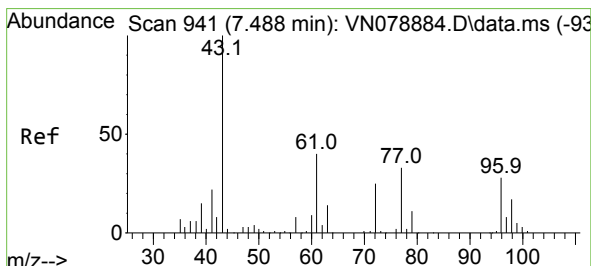
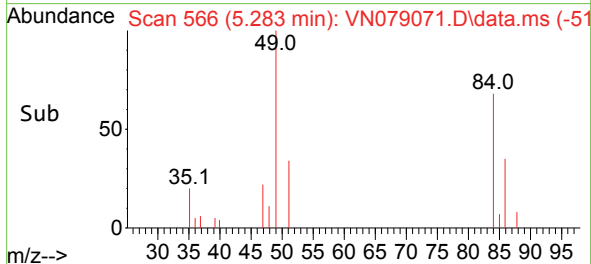
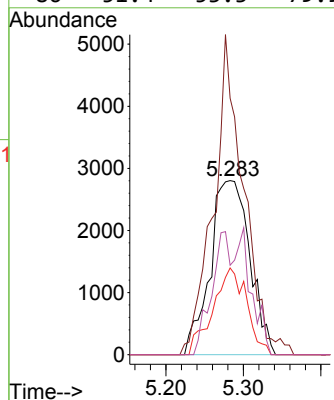


#20
Methylene Chloride
Concen: 3.639 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

Instrument :
MSVOA_N
ClientSampleId :

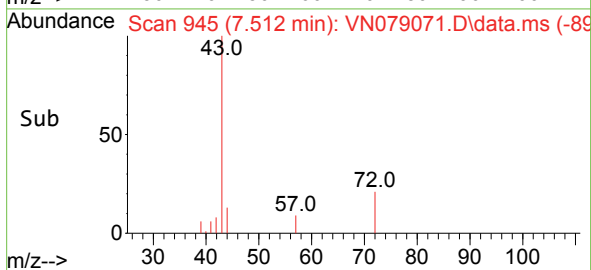
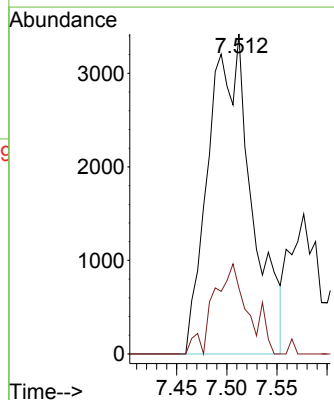
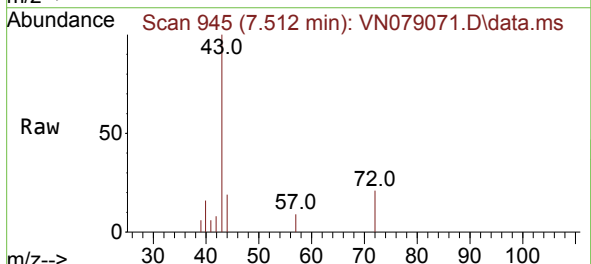


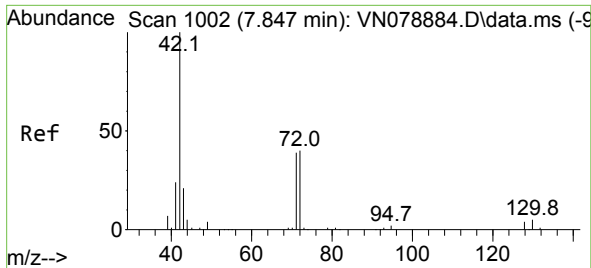
Tgt Ion:	84	Resp:	9984
Ion	Ratio	Lower	Upper
84	100		
49	147.3	79.7	119.5#
51	49.8	25.2	37.8#
86	51.4	53.3	79.9#



#25
2-Butanone
Concen: 4.938 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.018 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

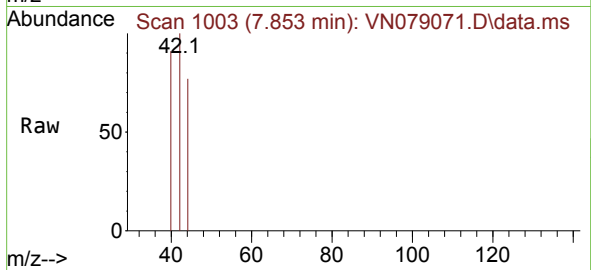
Tgt Ion:	43	Resp:	10192
Ion	Ratio	Lower	Upper
43	100		
72	20.6	30.2	45.2#



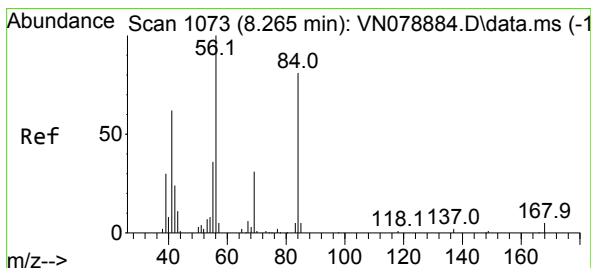
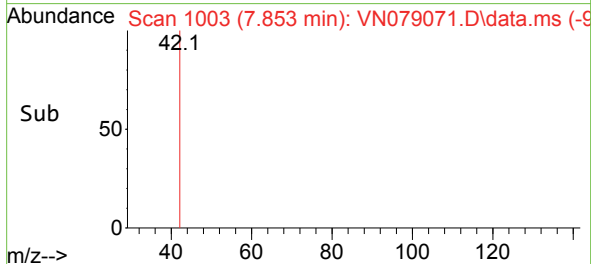
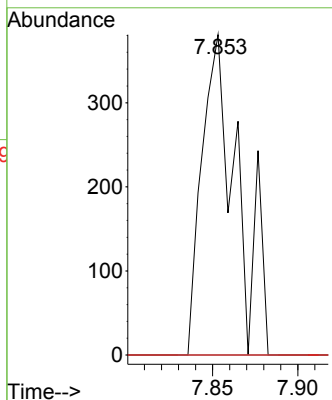


#29
Tetrahydrofuran
Concen: 0.406 ug/l
RT: 7.853 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

Instrument :
MSVOA_N
ClientSampleId :

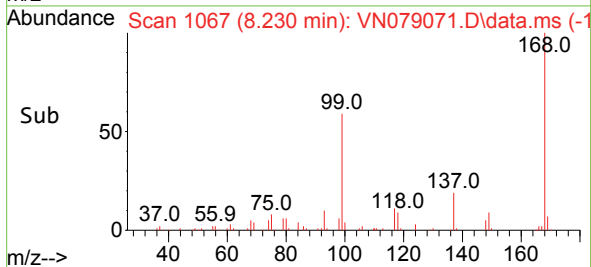
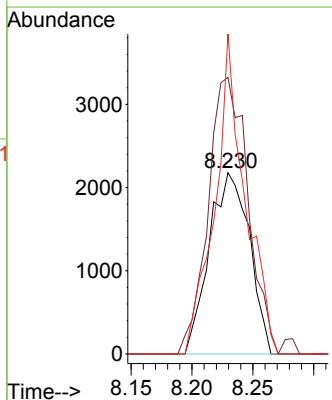
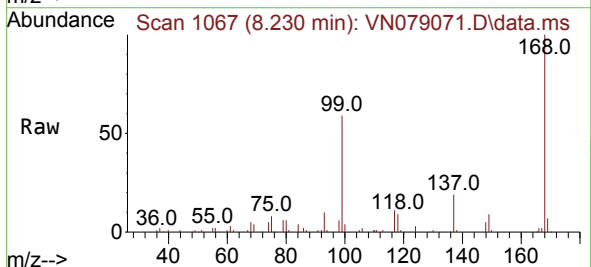


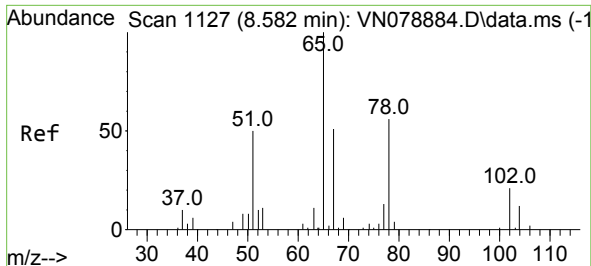
Tgt Ion: 42 Resp: 554
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

Tgt Ion: 56 Resp: 5005
Ion Ratio Lower Upper
56 100
69 152.6 26.8 40.2#
84 176.5 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 48.784 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079071.D

Acq: 28 Aug 2023 16:55

Instrument :

MSVOA_N

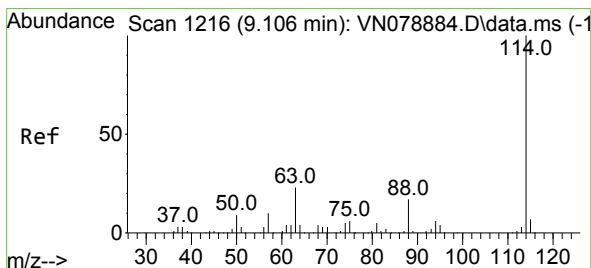
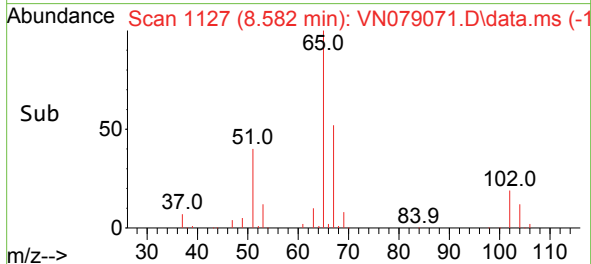
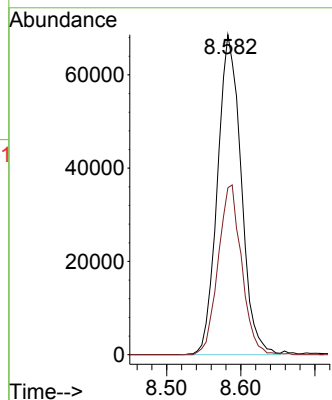
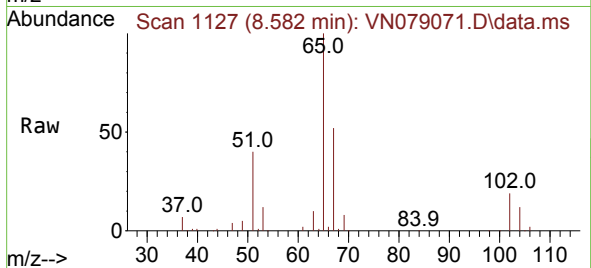
ClientSampleId :

Tgt Ion: 65 Resp: 152206

Ion Ratio Lower Upper

65 100

67 52.6 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: VN079071.D

Acq: 28 Aug 2023 16:55

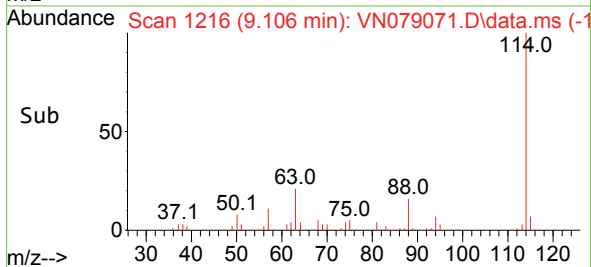
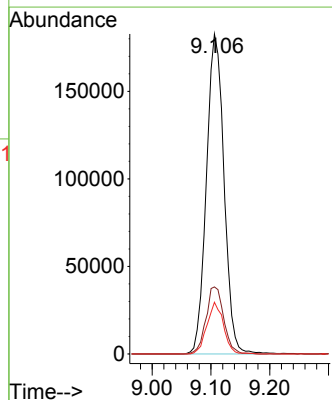
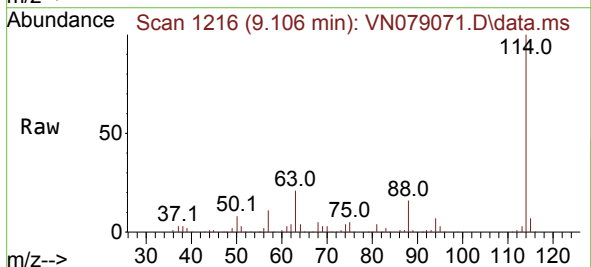
Tgt Ion: 114 Resp: 380048

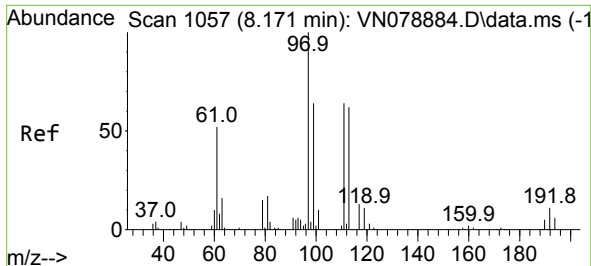
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.208 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

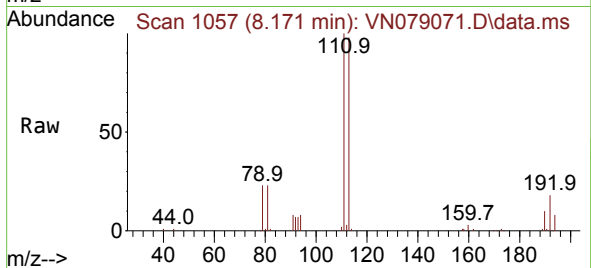
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Acq: 28 Aug 2023 16:55

Instrument :

MSVOA_N

ClientSampleId :



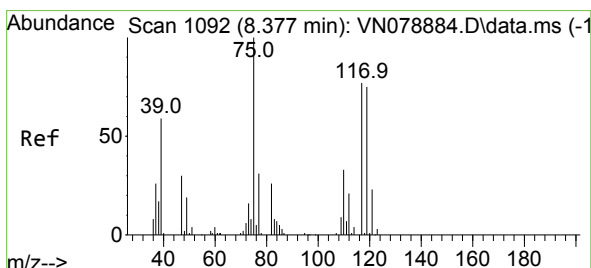
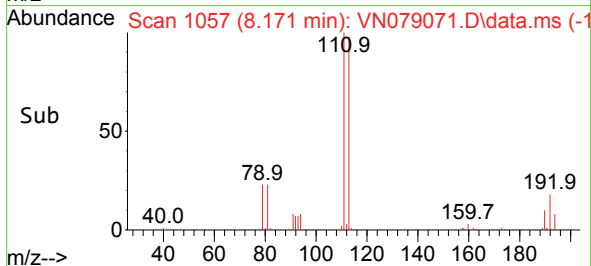
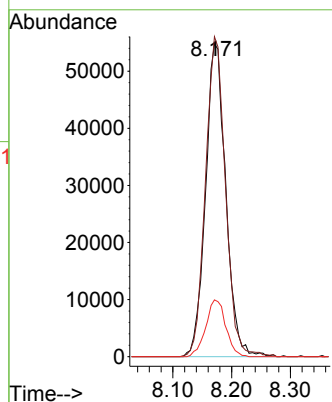
Tgt Ion:113 Resp: 131004

Ion Ratio Lower Upper

113 100

111 100.9 82.6 123.8

192 18.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.589 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079071.D

Acq: 28 Aug 2023 16:55

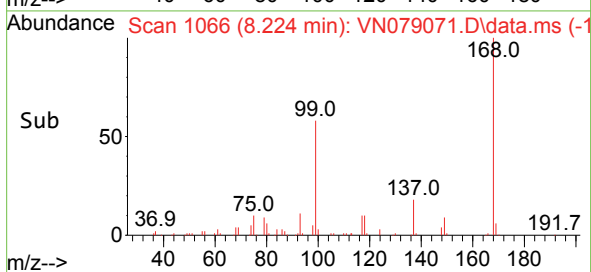
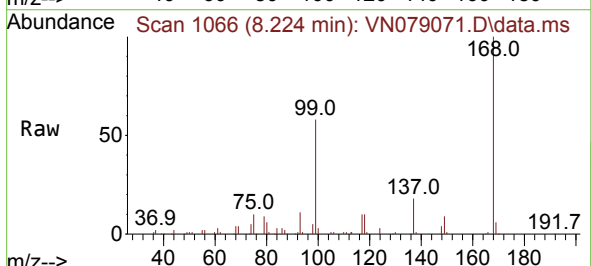
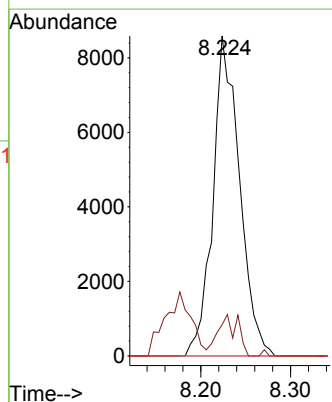
Tgt Ion: 75 Resp: 17658

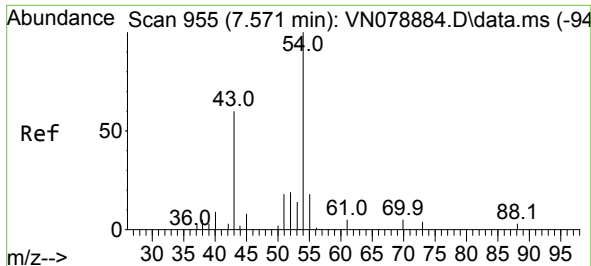
Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.828 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

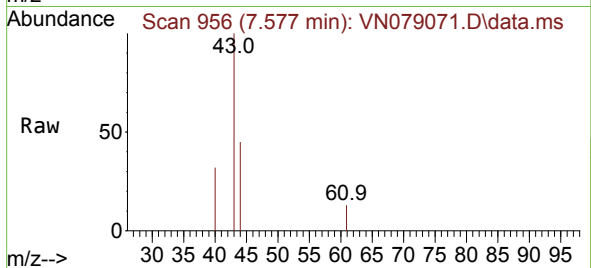
Lab File: VN079071.D

Acq: 28 Aug 2023 16:55

Instrument :

MSVOA_N

ClientSampleId :



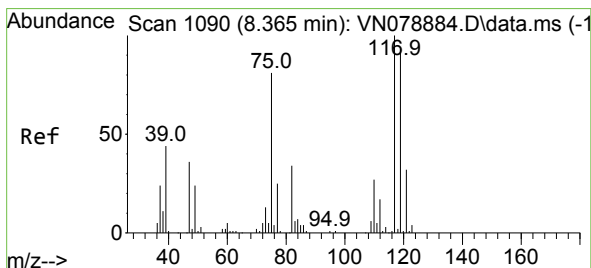
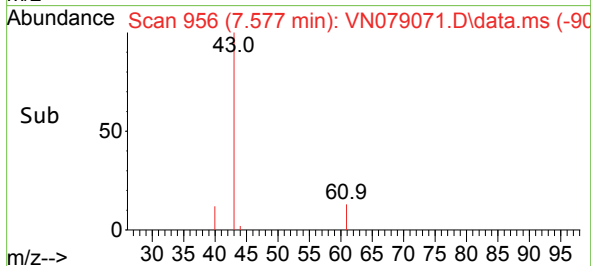
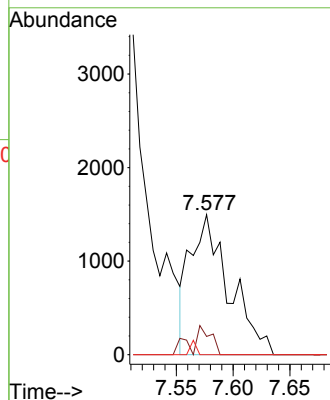
Tgt Ion: 43 Resp: 3563

Ion Ratio Lower Upper

43 100

61 10.5 13.2 19.8#

70 1.5 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.502 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN079071.D

Acq: 28 Aug 2023 16:55

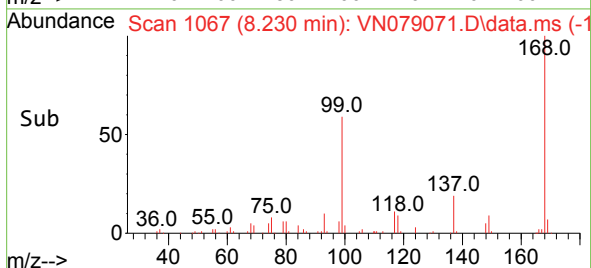
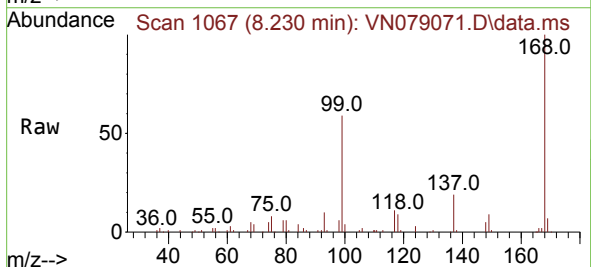
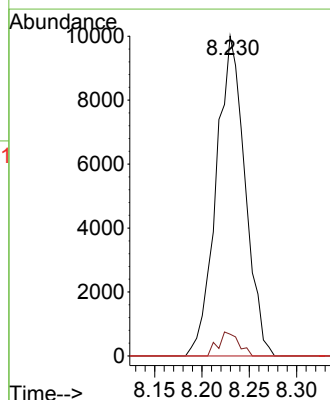
Tgt Ion: 117 Resp: 21215

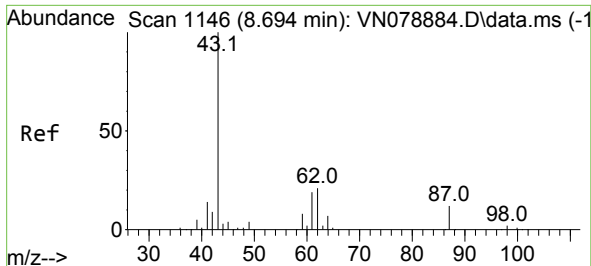
Ion Ratio Lower Upper

117 100

119 6.8 77.3 115.9#

121 0.0 23.3 34.9#

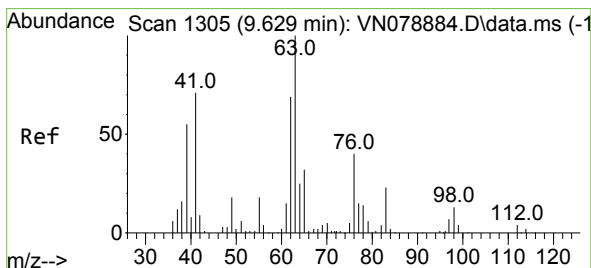
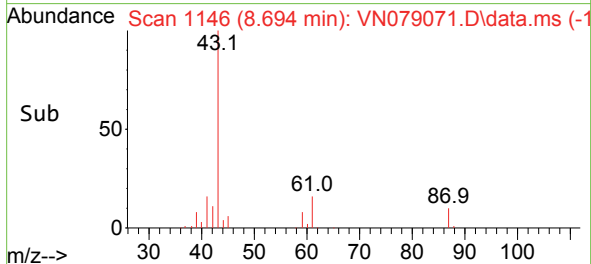
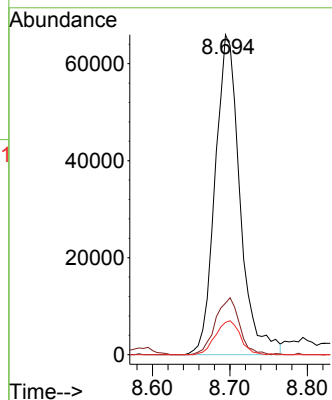
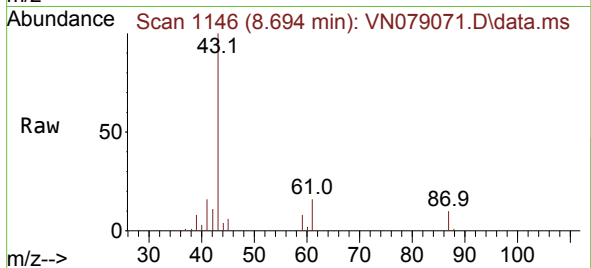




#43
Isopropyl Acetate
Concen: 19.352 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

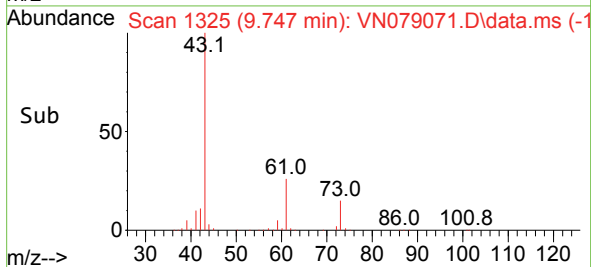
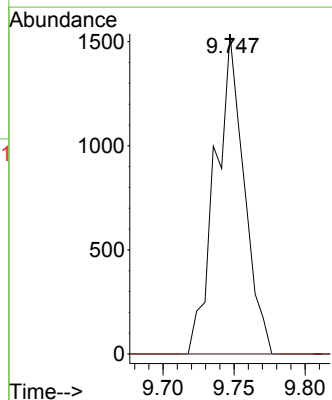
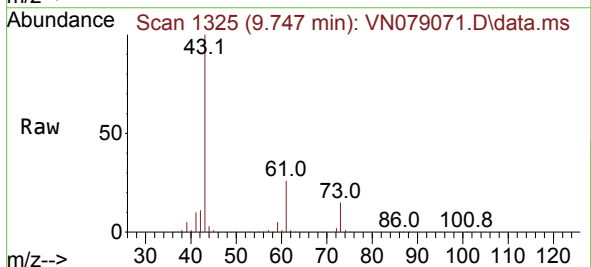
Instrument :
MSVOA_N
ClientSampleId :

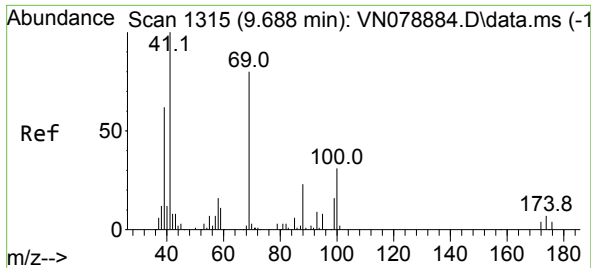
Tgt Ion: 43 Resp: 147273
Ion Ratio Lower Upper
43 100
61 17.2 24.7 37.1#
87 10.5 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.716 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

Tgt Ion: 63 Resp: 2169
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

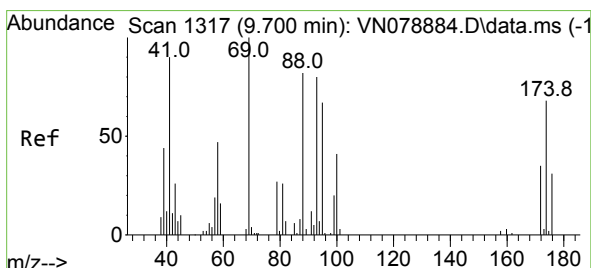
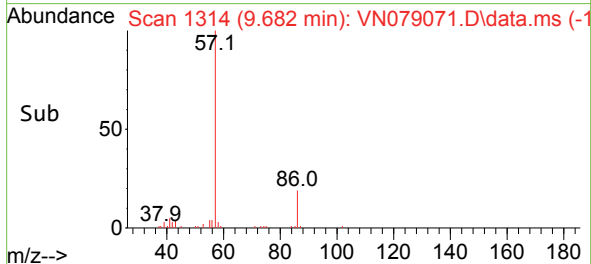
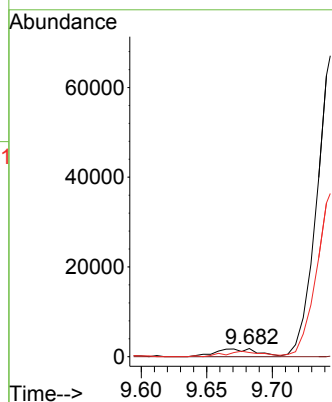
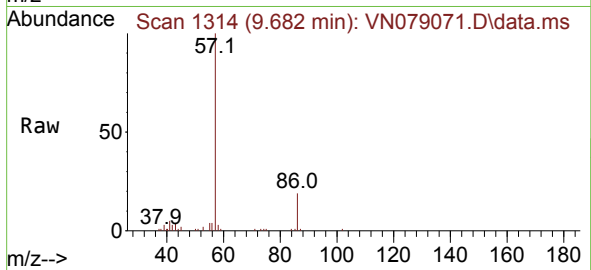




#48
Methyl methacrylate
Concen: 1.141 ug/l
RT: 9.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

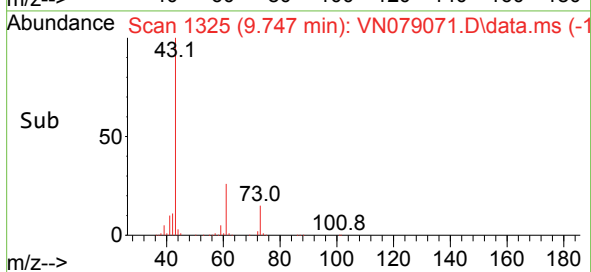
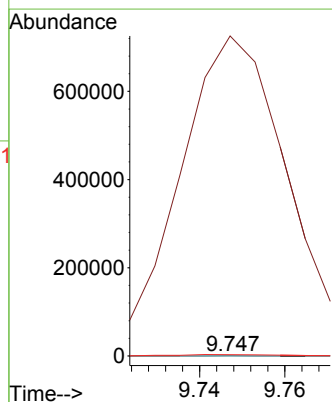
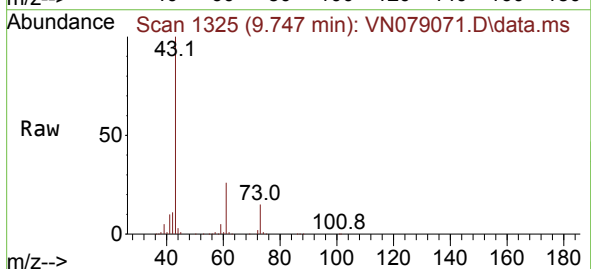
Instrument :
MSVOA_N
ClientSampleId :

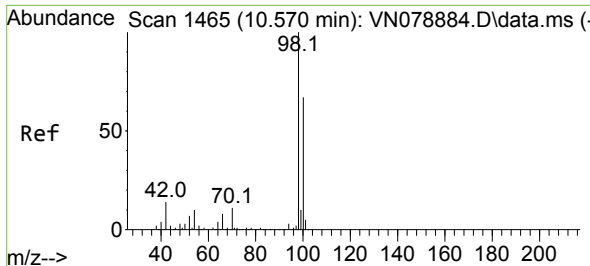
Tgt Ion: 41 Resp: 3935
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 61.7 54.6 81.8



#49
1,4-Dioxane
Concen: 1.873 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 1196086.4 17.0 25.6#
58 5340.9 47.0 70.4#

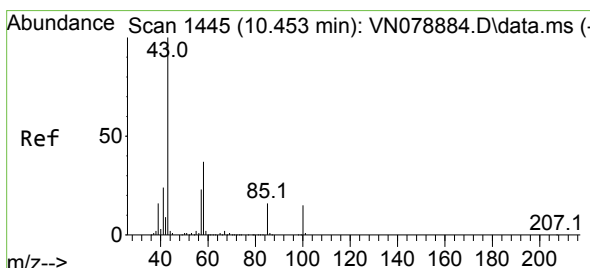
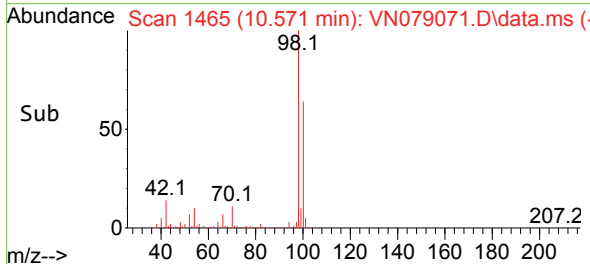
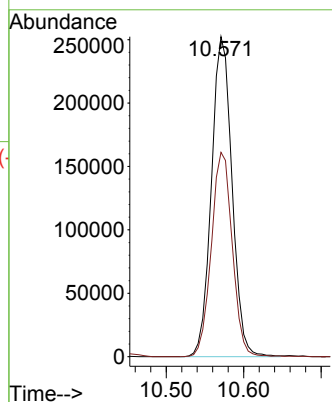
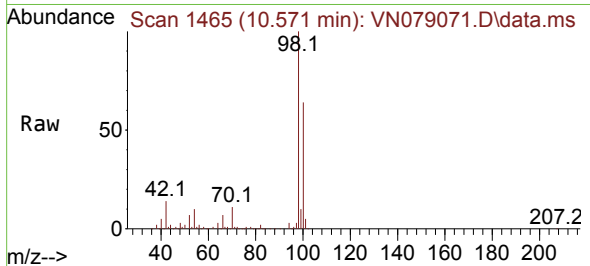




#50
Toluene-d8
Concen: 49.219 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

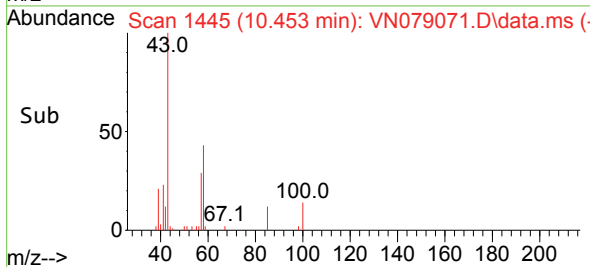
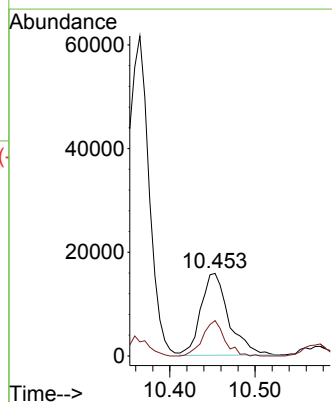
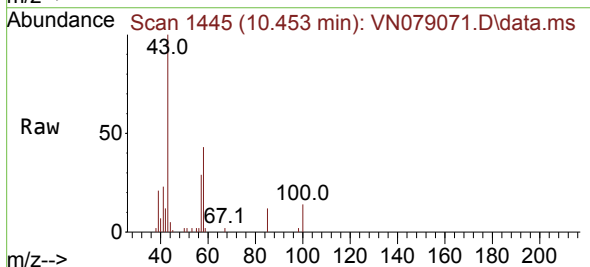
Instrument :
MSVOA_N
ClientSampleId :

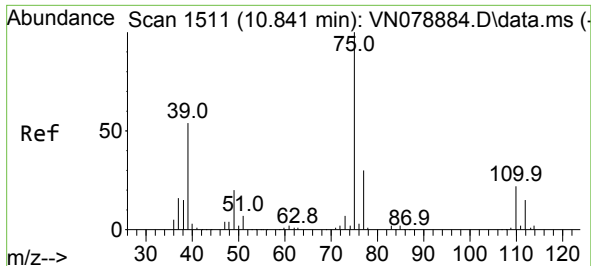
Tgt Ion: 98 Resp: 467541
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 7.953 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

Tgt Ion: 43 Resp: 35897
Ion Ratio Lower Upper
43 100
58 33.9 36.6 54.8#

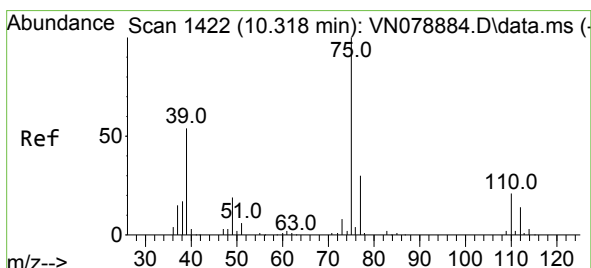
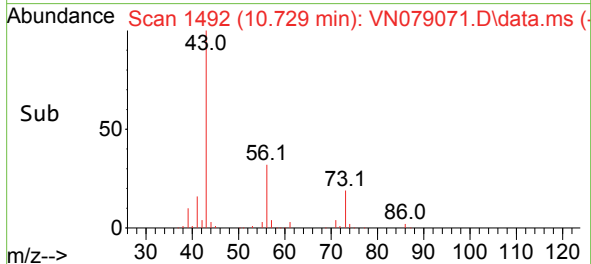
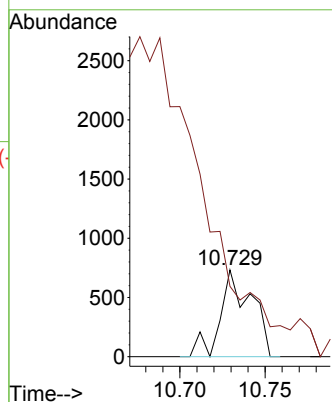
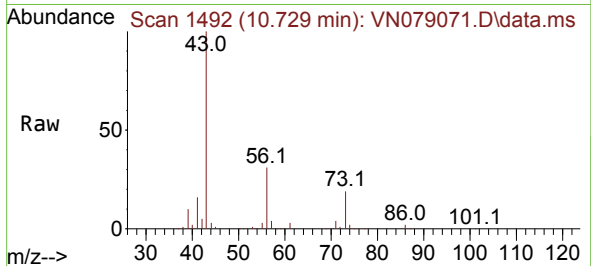




#53
 t-1,3-Dichloropropene
 Concen: 0.212 ug/l
 RT: 10.729 min Scan# 1430
 Delta R.T. -0.112 min
 Lab File: VN079071.D
 Acq: 28 Aug 2023 16:55

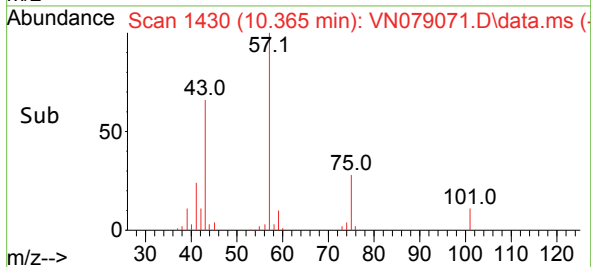
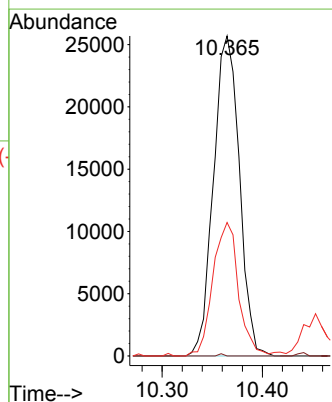
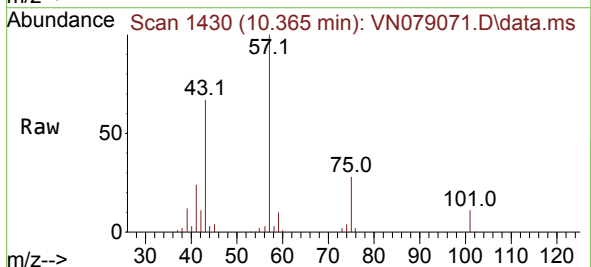
Instrument :
 MSVOA_N
 ClientSampleId :

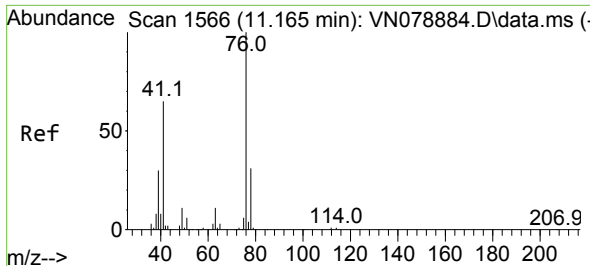
Tgt Ion: 75 Resp: 934
 Ion Ratio Lower Upper
 75 100
 77 45.4 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 9.609 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079071.D
 Acq: 28 Aug 2023 16:55

Tgt Ion: 75 Resp: 46035
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 41.7 31.6 47.4

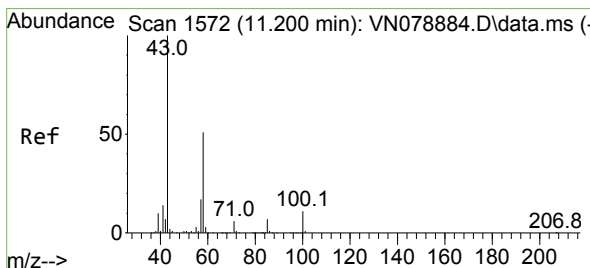
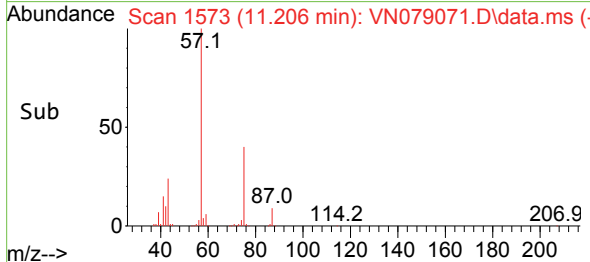
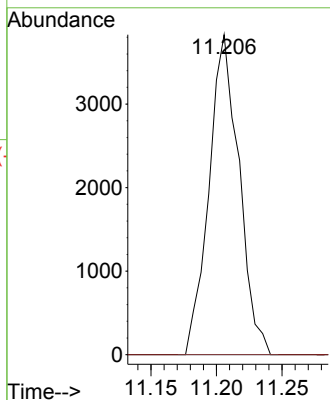
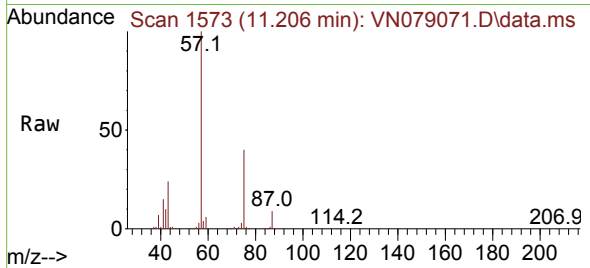




#57
1,3-Dichloropropane
Concen: 1.222 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

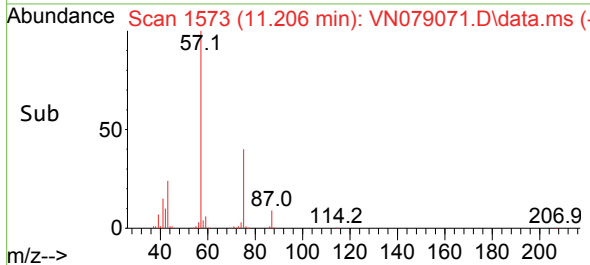
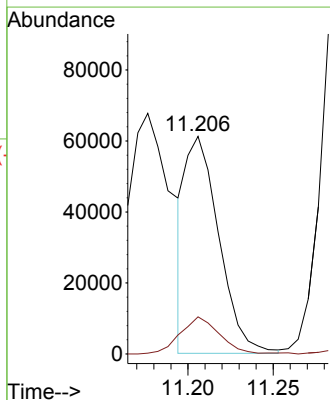
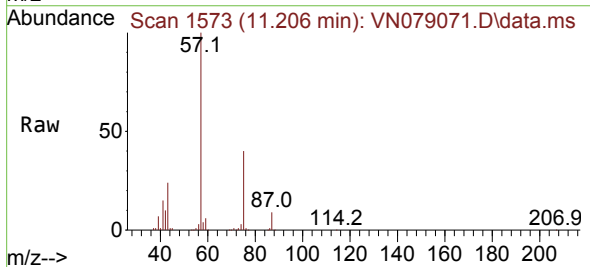
Instrument :
MSVOA_N
ClientSampleId :

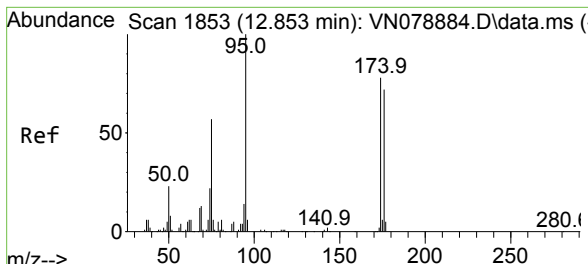
Tgt Ion: 76 Resp: 6121
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 25.597 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079071.D
Acq: 28 Aug 2023 16:55

Tgt Ion: 43 Resp: 83682
Ion Ratio Lower Upper
43 100
58 20.1 31.7 95.1#

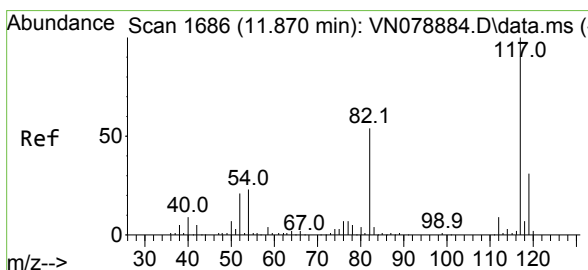
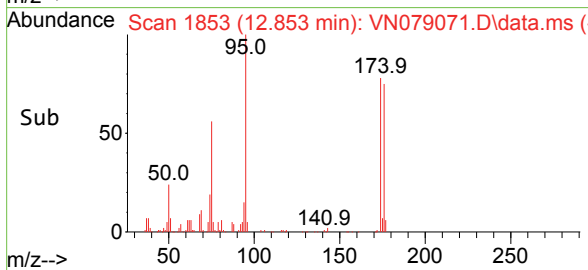
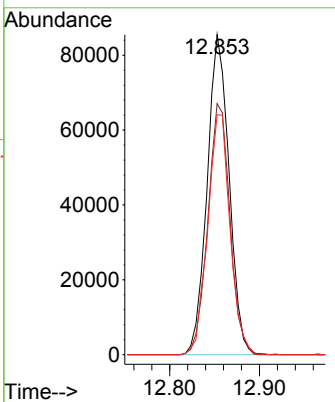
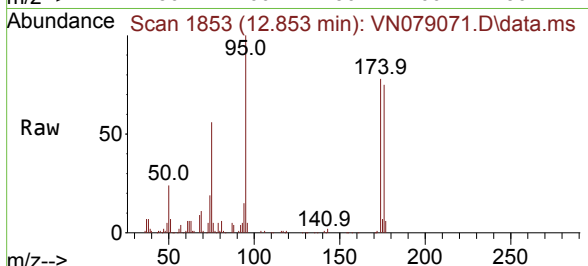




#62
 4-Bromofluorobenzene
 Concen: 46.715 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079071.D
 Acq: 28 Aug 2023 16:55

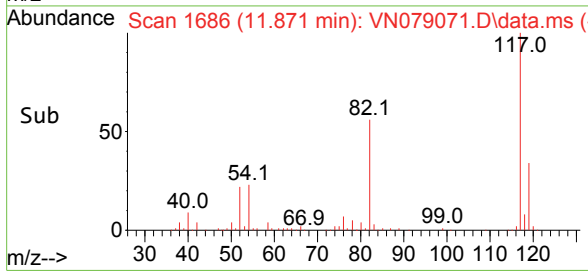
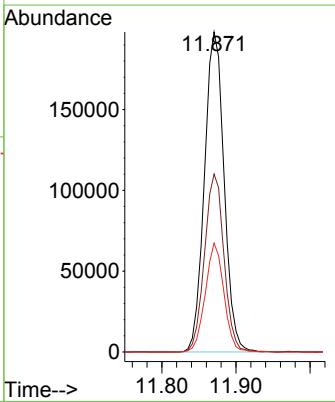
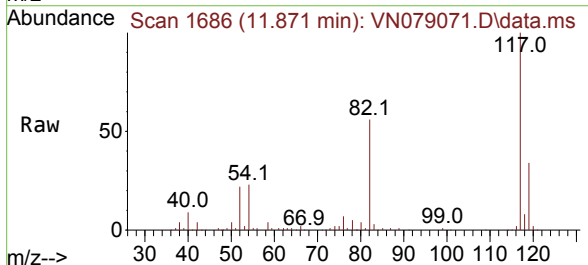
Instrument :
 MSVOA_N
 ClientSampleId :

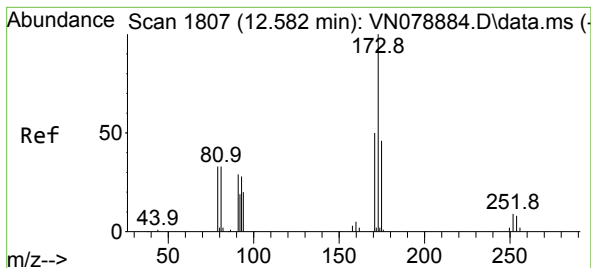
Tgt Ion:	95	Resp:	145045
Ion Ratio	Lower	Upper	
95	100		
174	79.0	0.0	143.8
176	76.5	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN079071.D
 Acq: 28 Aug 2023 16:55

Tgt Ion:	117	Resp:	364518
Ion Ratio	Lower	Upper	
117	100		
82	55.6	44.0	66.0
119	34.0	25.6	38.4





#71

Bromoform

Concen: 0.402 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN079071.D

Acq: 28 Aug 2023 16:55

Instrument :

MSVOA_N

ClientSampleId :

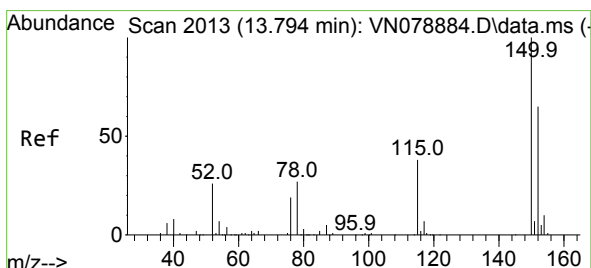
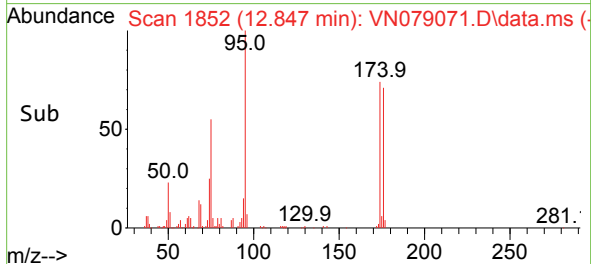
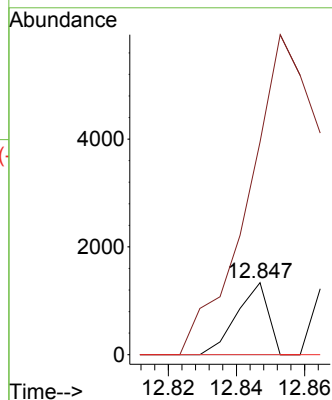
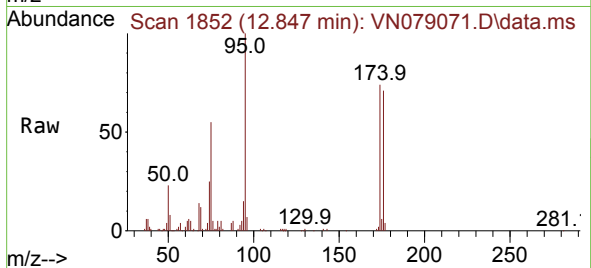
Tgt Ion:173 Resp: 858

Ion Ratio Lower Upper

173 100

175 790.3 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# 2013

Delta R.T. -0.000 min

Lab File: VN079071.D

Acq: 28 Aug 2023 16:55

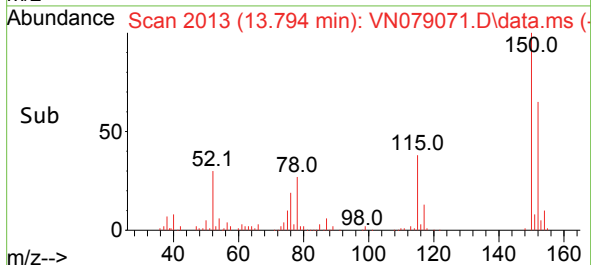
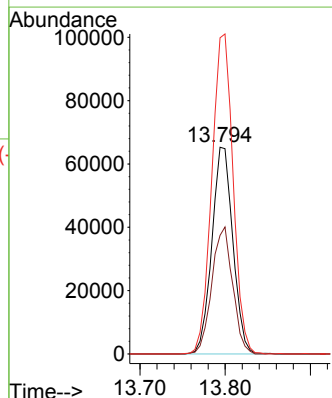
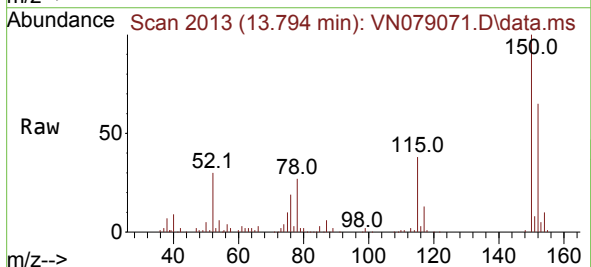
Tgt Ion:152 Resp: 111815

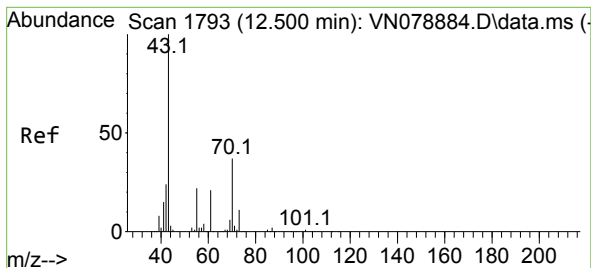
Ion Ratio Lower Upper

152 100

115 60.7 32.3 96.8

150 156.6 0.0 355.8





#74

N-amy1 acetate

Concen: 0.315 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.006 min

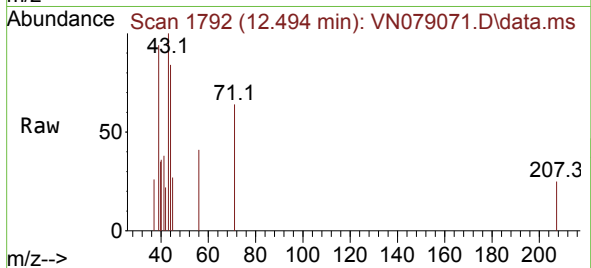
Lab File: VN079071.D

Acq: 28 Aug 2023 16:55

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1482

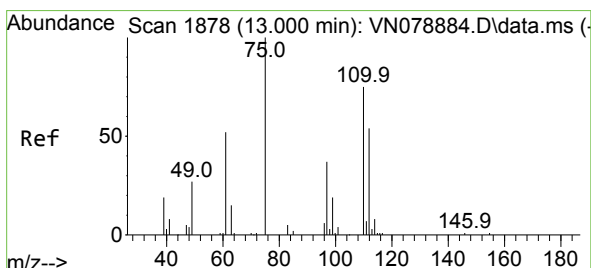
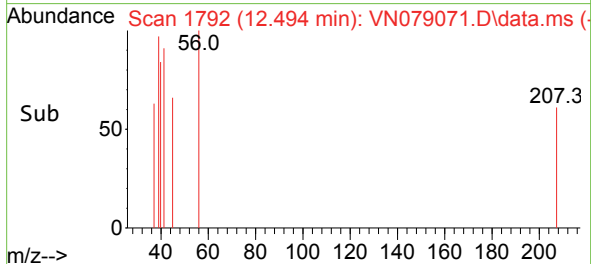
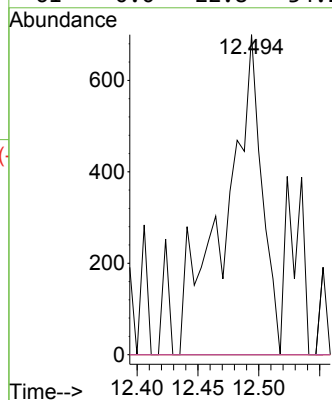
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 29.543 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079071.D

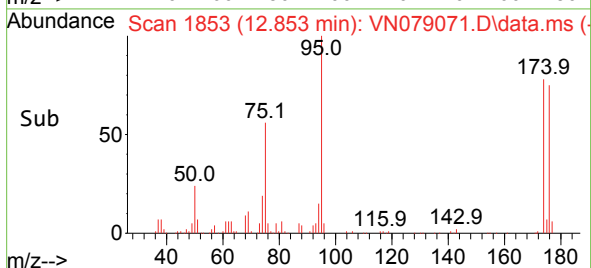
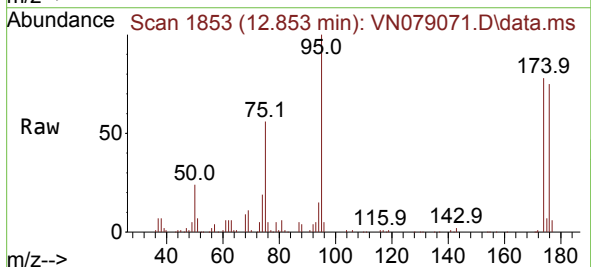
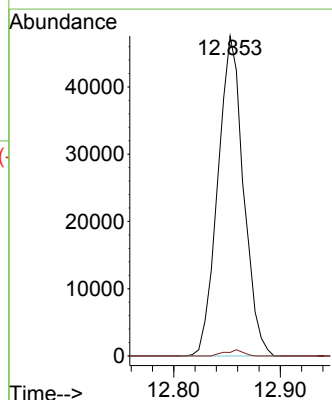
Acq: 28 Aug 2023 16:55

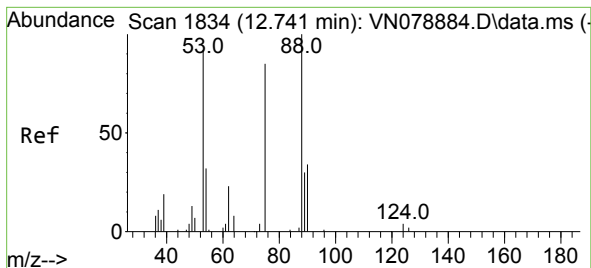
Tgt Ion: 75 Resp: 79596

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#

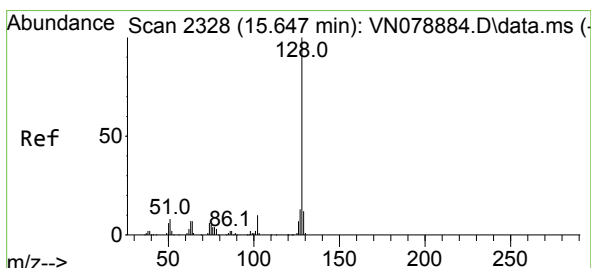
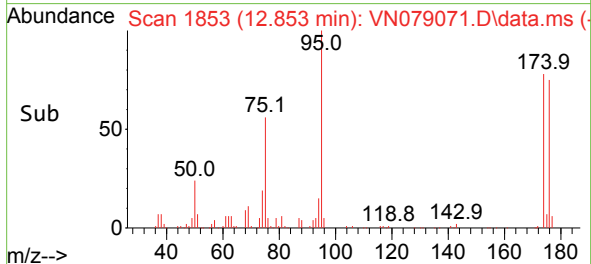
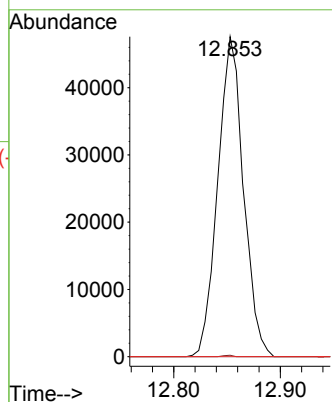
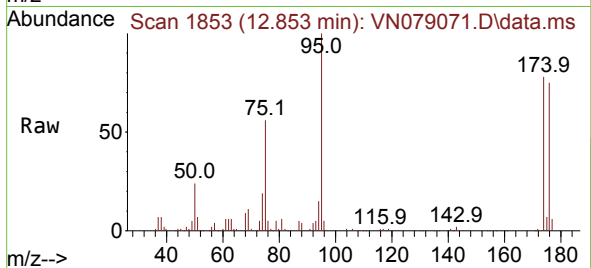




#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.471 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN079071.D
 Acq: 28 Aug 2023 16:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 79596
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.4 101.2#
 89 0.0 38.8 58.2#



#95
 Naphthalene
 Concen: 2.654 ug/l
 RT: 15.635 min Scan# 2326
 Delta R.T. -0.012 min
 Lab File: VN079071.D
 Acq: 28 Aug 2023 16:55

Tgt Ion: 128 Resp: 430
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 0.0 8.7 13.1#

