

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082323\
 Data File : VN079019.D
 Acq On : 23 Aug 2023 16:24
 Operator : JC\MD
 Sample : 04091-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 01:17:27 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)

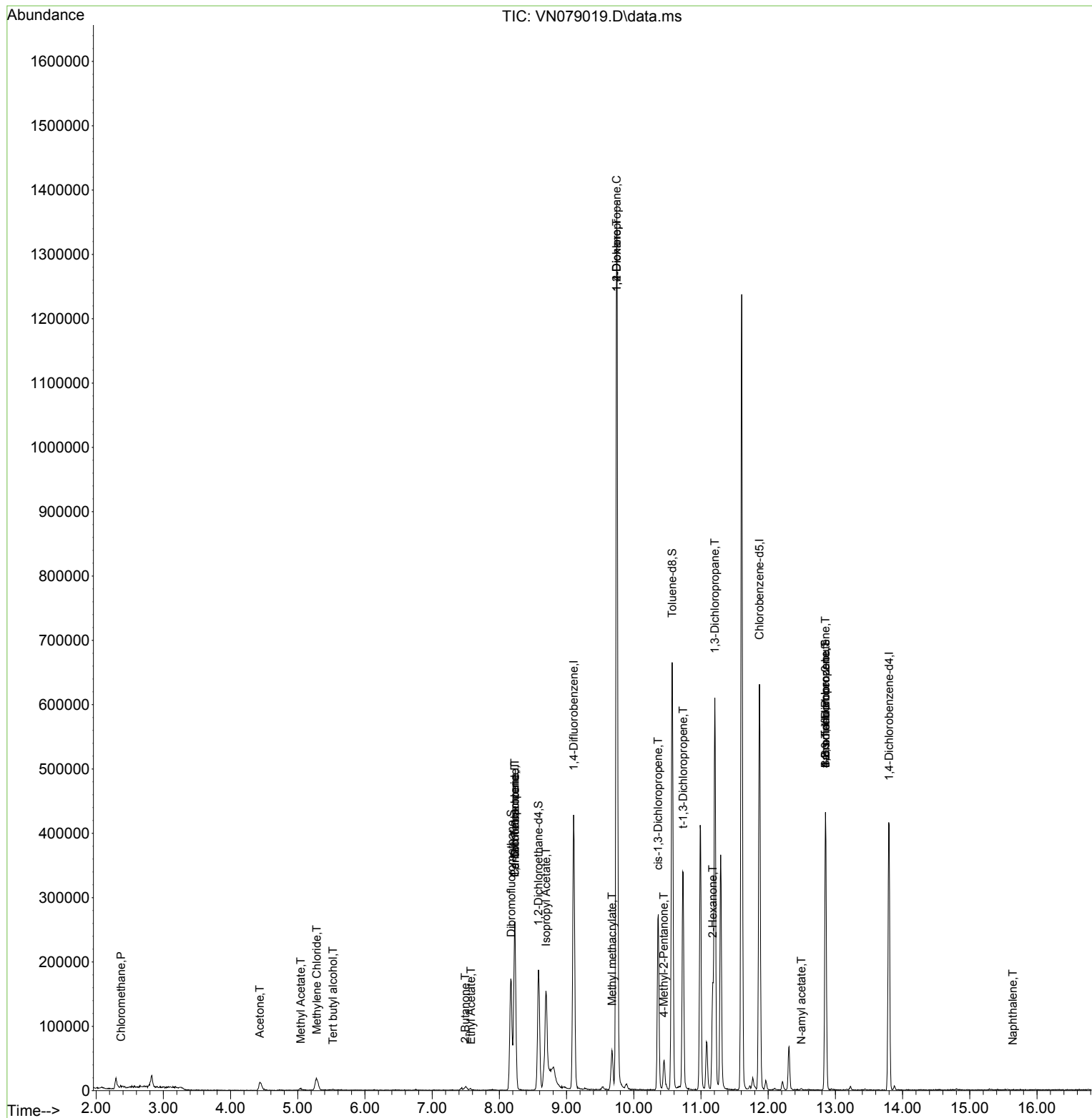
Internal Standards						
1) Pentafluorobenzene	8.230	168	181131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	353116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	353014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	111528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	148728	52.768	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.540%	
35) Dibromofluoromethane	8.177	113	124266	52.279	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.560%	
50) Toluene-d8	10.571	98	451198	51.122	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.240%	
62) 4-Bromofluorobenzene	12.853	95	140562	48.724	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1089	0.310	ug/l	99
11) Tert butyl alcohol	5.524	59	434	0.918	ug/l #	72
16) Acetone	4.436	43	25208	21.675	ug/l #	86
18) Methyl Acetate	5.047	43	4737	0.964	ug/l #	64
20) Methylene Chloride	5.283	84	12599	5.084	ug/l #	83
25) 2-Butanone	7.494	43	9856	5.286	ug/l #	56
31) Cyclohexane	8.230	56	5382	Below Cal	#	49
36) 1,1-Dichloropropene	8.230	75	15665	4.381	ug/l #	48
37) Ethyl Acetate	7.577	43	4030	1.007	ug/l #	71
38) Carbon Tetrachloride	8.230	117	20036	5.592	ug/l #	18
43) Isopropyl Acetate	8.694	43	207657	29.367	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	1763	0.627	ug/l #	45
48) Methyl methacrylate	9.677	41	4548	1.419	ug/l #	32
49) 1,4-Dioxane	9.747	88	73	1.338	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	39593	9.441	ug/l #	74
53) t-1,3-Dichloropropene	10.735	75	972	0.238	ug/l #	43
54) cis-1,3-Dichloropropene	10.365	75	46019	10.339	ug/l #	71
57) 1,3-Dichloropropane	11.206	76	6464	1.389	ug/l #	42
59) 2-Hexanone	11.176	43	134455	44.264	ug/l #	19
71) Bromoform	12.853	173	1139	0.552	ug/l #	1
74) N-amyl acetate	12.494	43	1592	0.339	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	78208	29.103	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	78208	74.346	ug/l #	15
95) Naphthalene	15.641	128	247	2.620	ug/l #	70

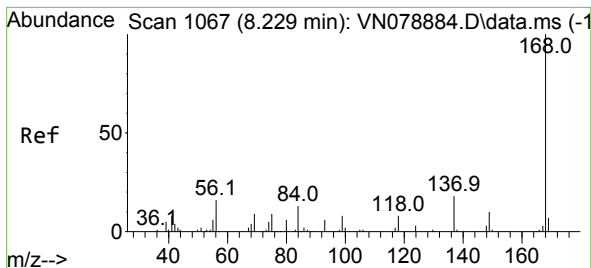
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN079019.D

Acq: 23 Aug 2023 16:24

Instrument :

MSVOA_N

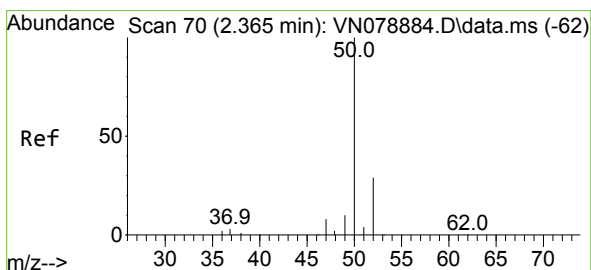
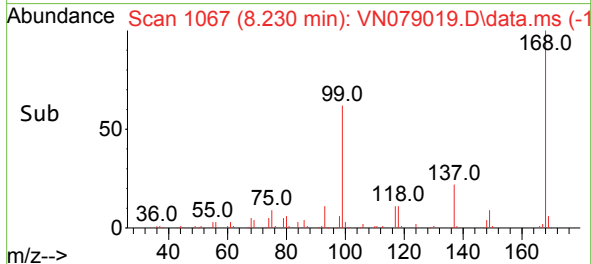
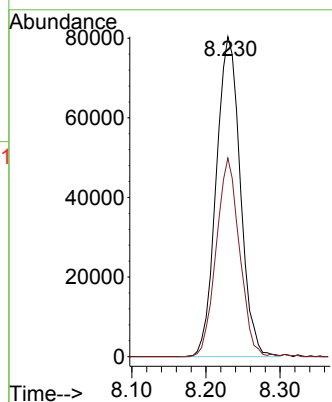
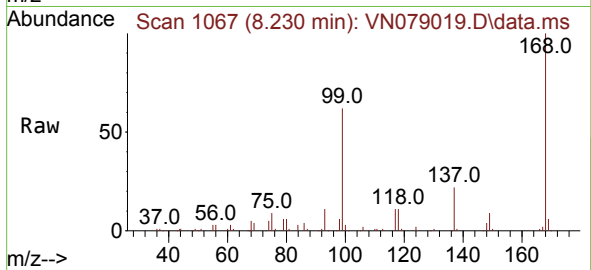
ClientSampleId :

Tgt Ion:168 Resp: 181131

Ion Ratio Lower Upper

168 100

99 62.0 53.0 79.6



#3

Chloromethane

Concen: 0.310 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN079019.D

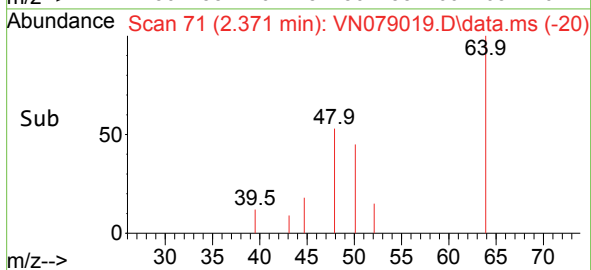
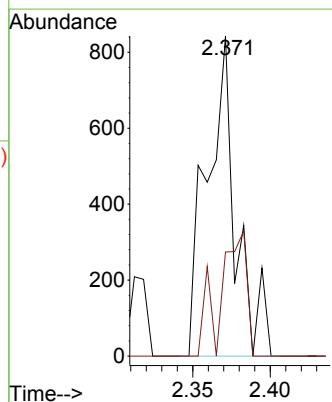
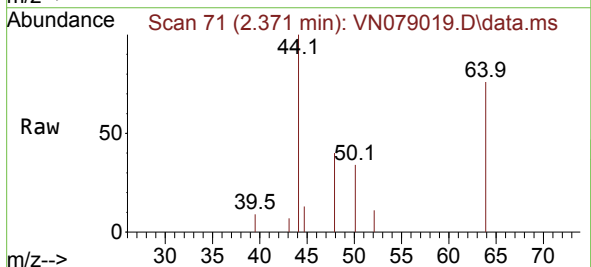
Acq: 23 Aug 2023 16:24

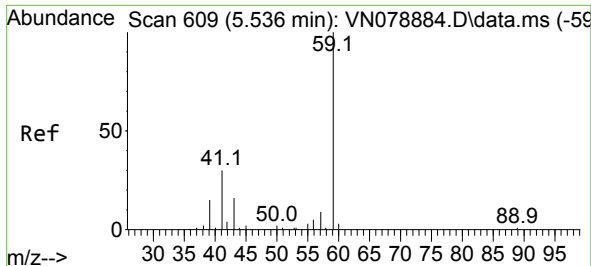
Tgt Ion: 50 Resp: 1089

Ion Ratio Lower Upper

50 100

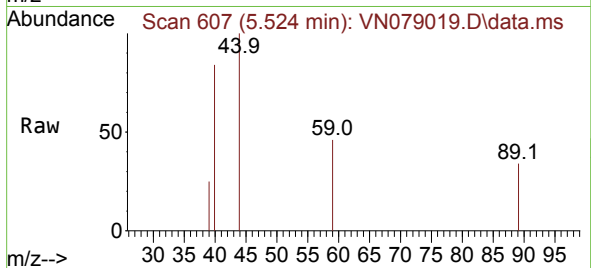
52 32.5 26.5 39.7



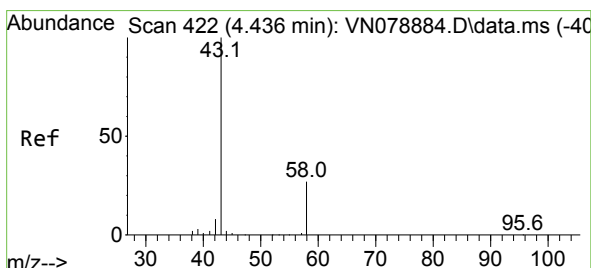
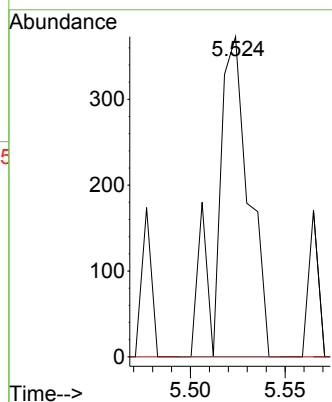
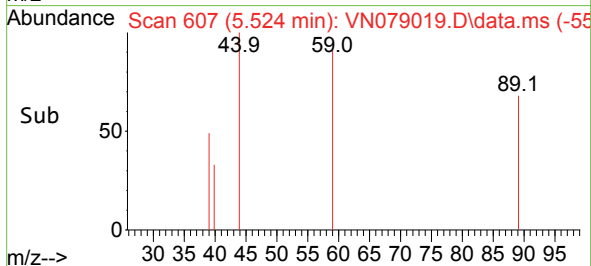


#11
Tert butyl alcohol
Concen: 0.918 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN079019.D
Acq: 23 Aug 2023 16:24

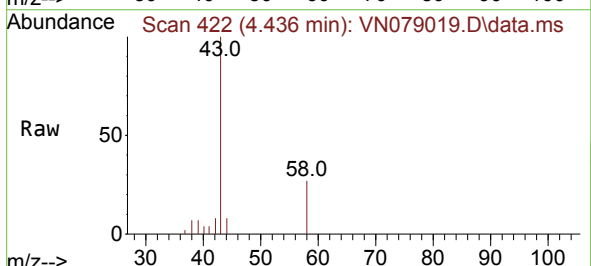
Instrument :
MSVOA_N
ClientSampleId :



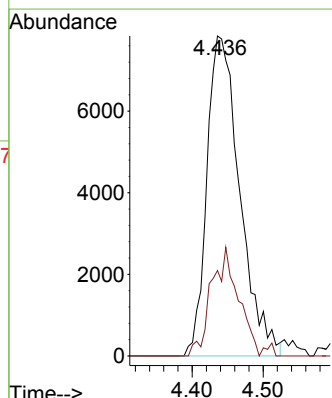
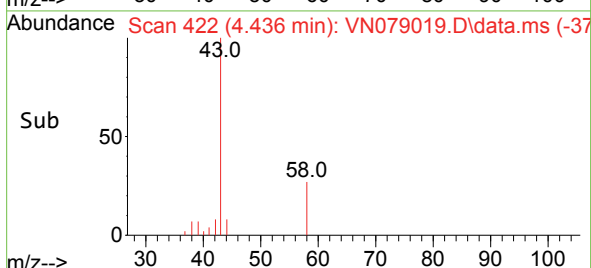
Tgt Ion: 59 Resp: 434
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

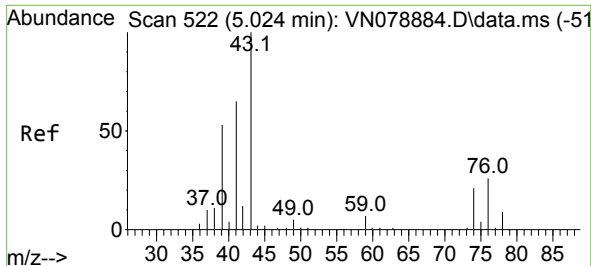


#16
Acetone
Concen: 21.675 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN079019.D
Acq: 23 Aug 2023 16:24



Tgt Ion: 43 Resp: 25208
Ion Ratio Lower Upper
43 100
58 26.7 28.0 42.0#

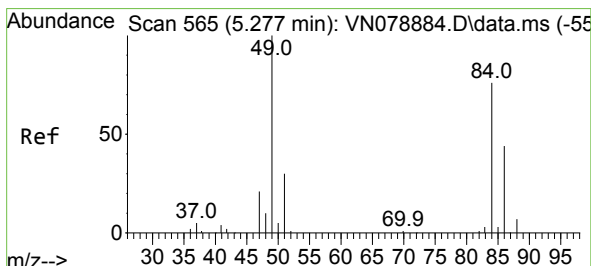
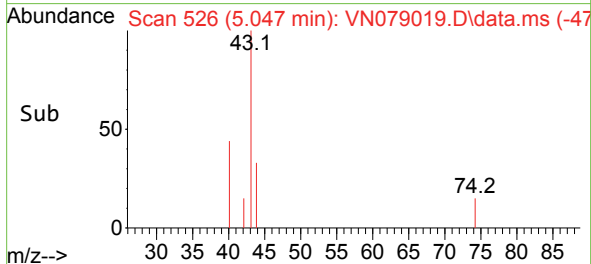
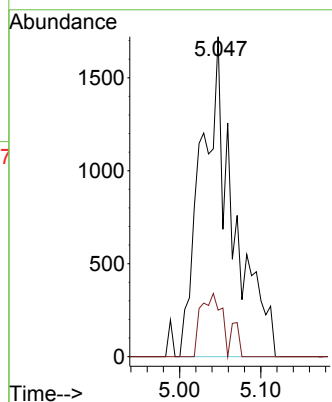
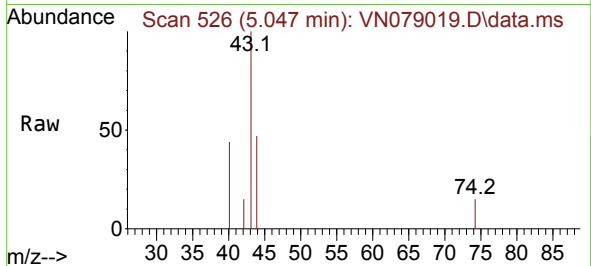




#18
Methyl Acetate
Concen: 0.964 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN079019.D
Acq: 23 Aug 2023 16:24

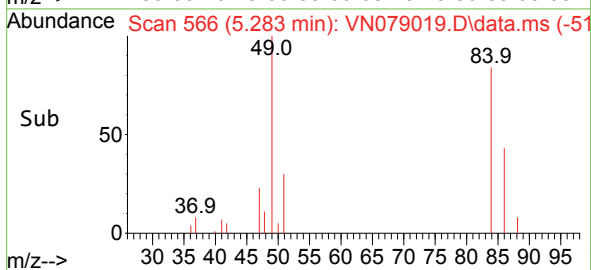
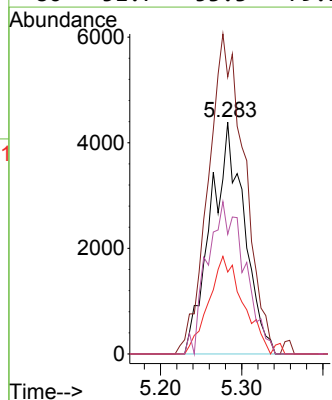
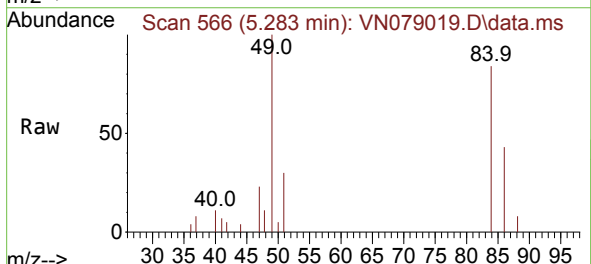
Instrument :
MSVOA_N
ClientSampleId :

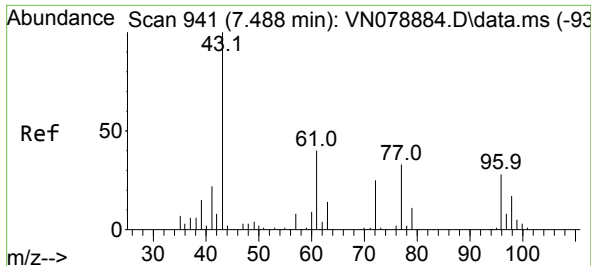
Tgt Ion: 43 Resp: 4737
Ion Ratio Lower Upper
43 100
74 12.5 26.2 39.4#



#20
Methylene Chloride
Concen: 5.084 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079019.D
Acq: 23 Aug 2023 16:24

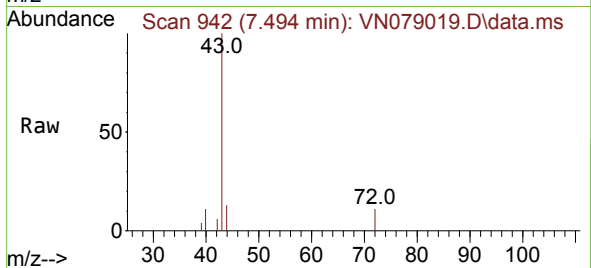
Tgt Ion: 84 Resp: 12599
Ion Ratio Lower Upper
84 100
49 119.5 79.7 119.5
51 35.3 25.2 37.8
86 51.7 53.3 79.9#



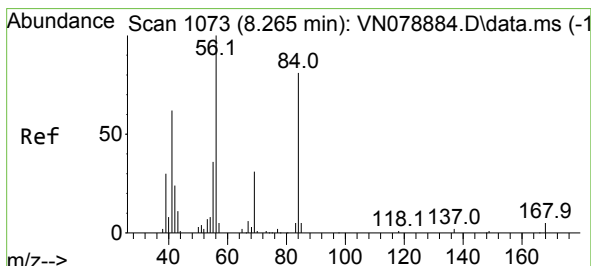
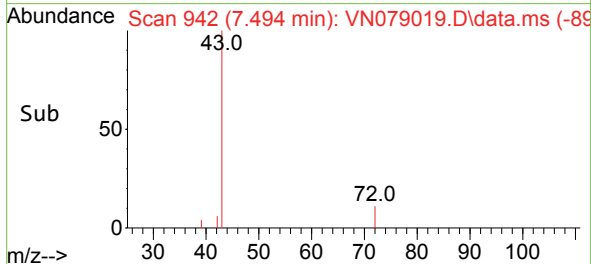
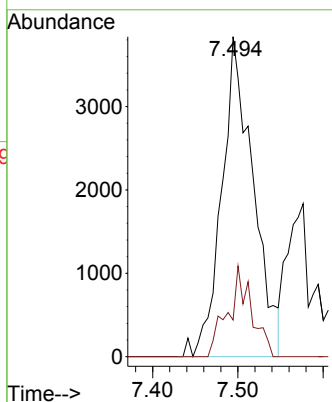


#25
2-Butanone
Concen: 5.286 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079019.D
Acq: 23 Aug 2023 16:24

Instrument :
MSVOA_N
ClientSampleId :

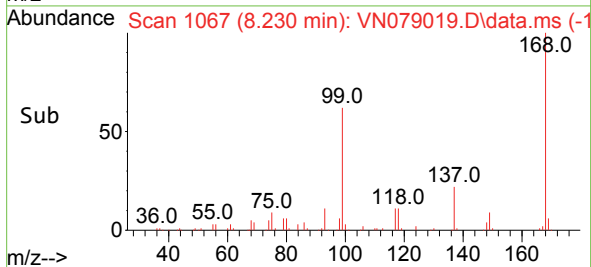
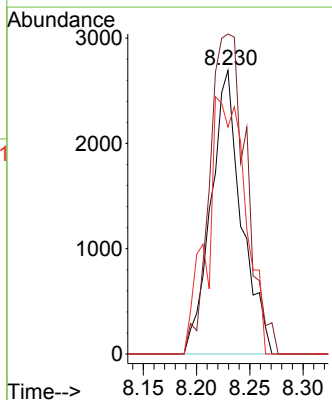
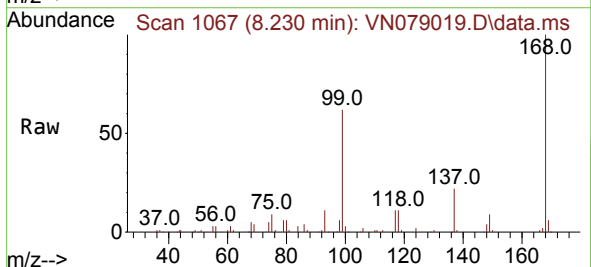


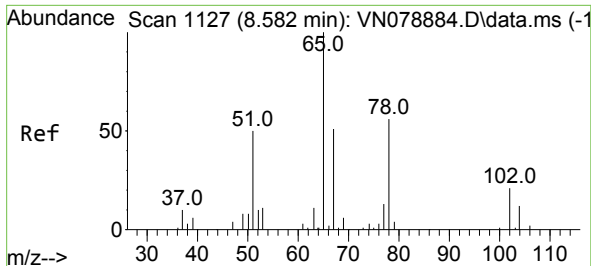
Tgt Ion: 43 Resp: 9856
Ion Ratio Lower Upper
43 100
72 11.5 30.2 45.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079019.D
Acq: 23 Aug 2023 16:24

Tgt Ion: 56 Resp: 5382
Ion Ratio Lower Upper
56 100
69 112.8 26.8 40.2#
84 80.0 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.768 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079019.D

Acq: 23 Aug 2023 16:24

Instrument :

MSVOA_N

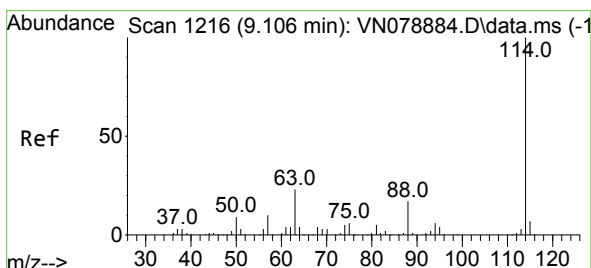
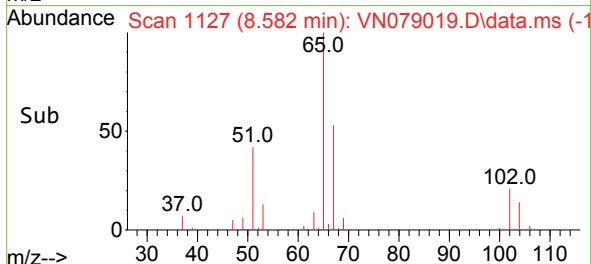
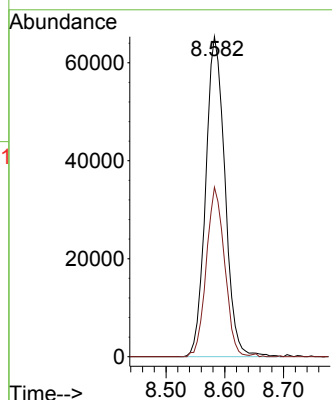
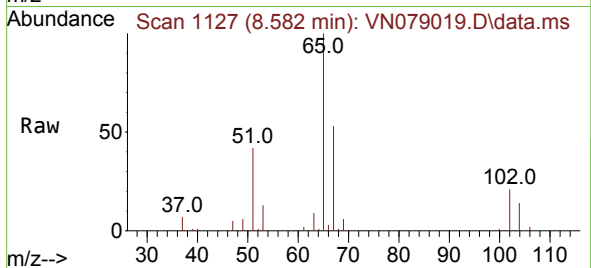
ClientSampleId :

Tgt Ion: 65 Resp: 148728

Ion Ratio Lower Upper

65 100

67 50.2 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: VN079019.D

Acq: 23 Aug 2023 16:24

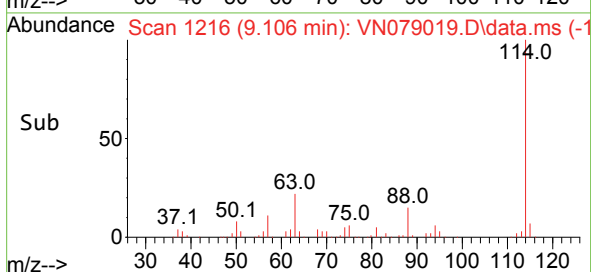
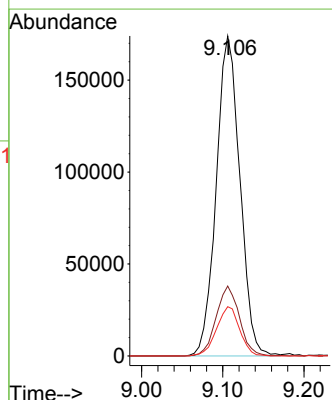
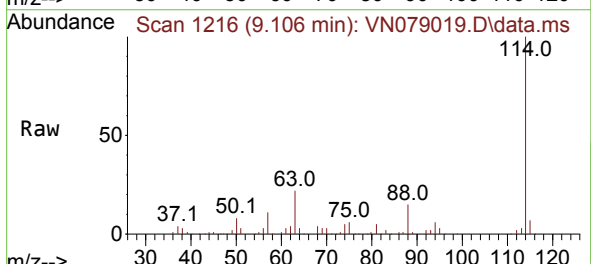
Tgt Ion: 114 Resp: 353116

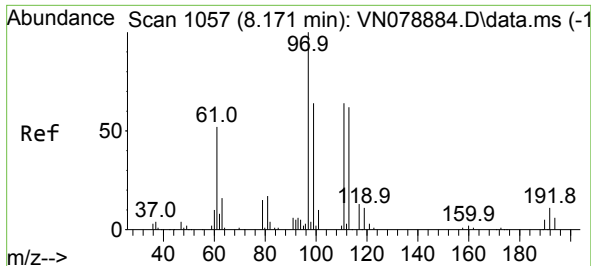
Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.279 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

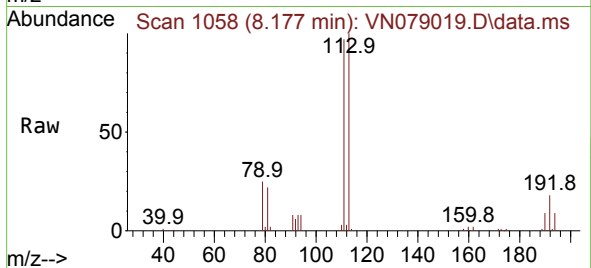
Lab File: VN079019.D

Acq: 23 Aug 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :



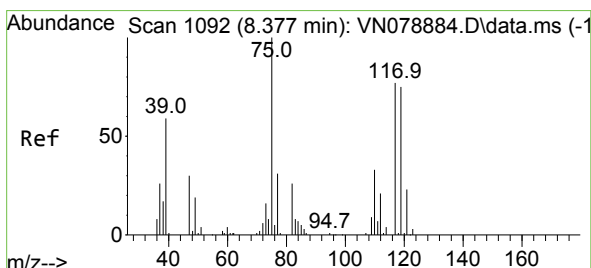
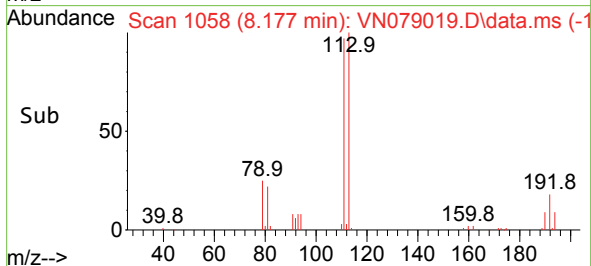
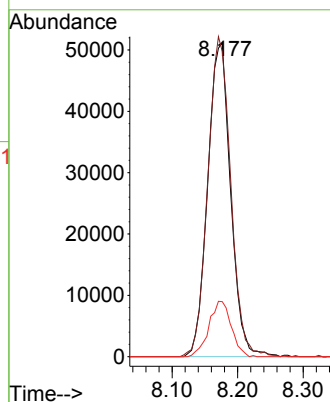
Tgt Ion:113 Resp: 124266

Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

192 17.2 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.381 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079019.D

Acq: 23 Aug 2023 16:24

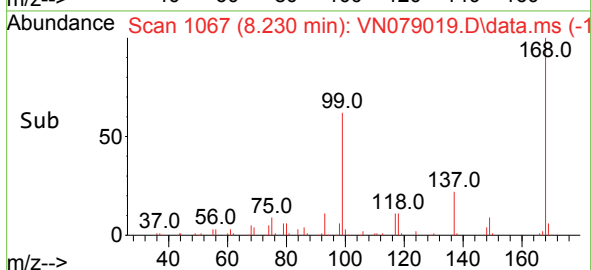
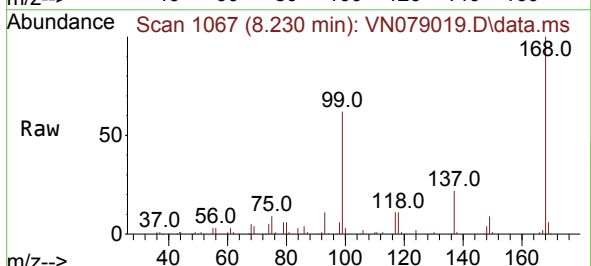
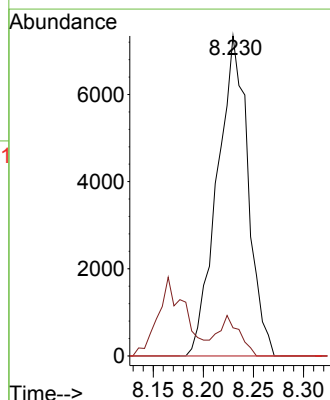
Tgt Ion: 75 Resp: 15665

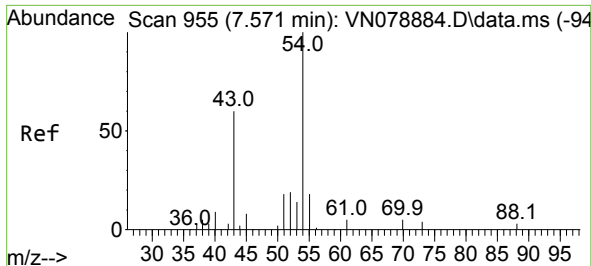
Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.007 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

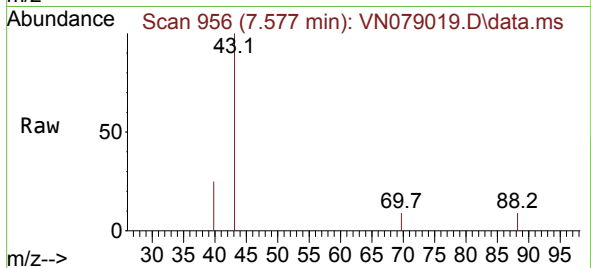
Lab File: VN079019.D

Acq: 23 Aug 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :



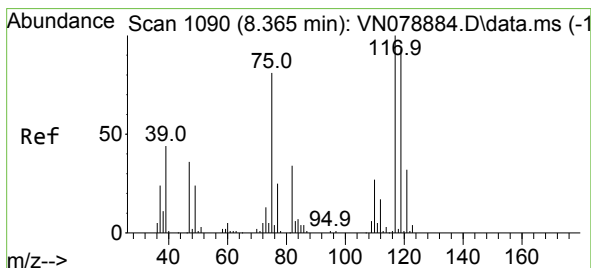
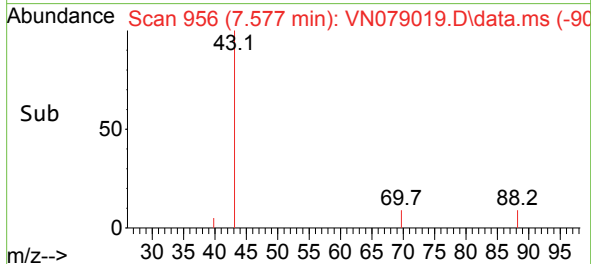
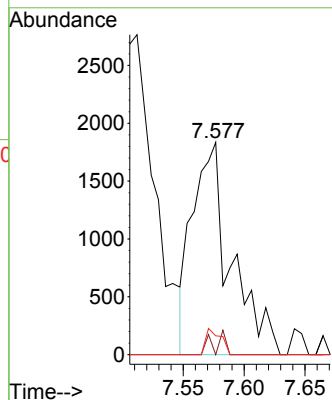
Tgt Ion: 43 Resp: 4030

Ion Ratio Lower Upper

43 100

61 1.5 13.2 19.8#

70 4.8 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.592 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN079019.D

Acq: 23 Aug 2023 16:24

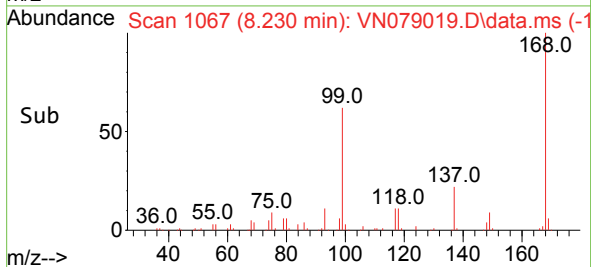
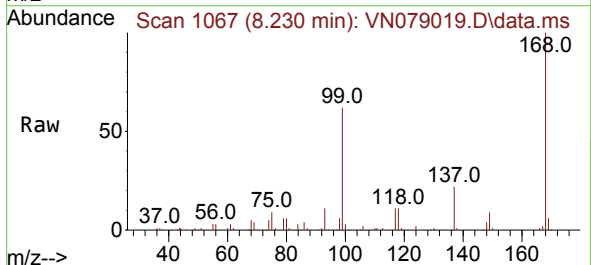
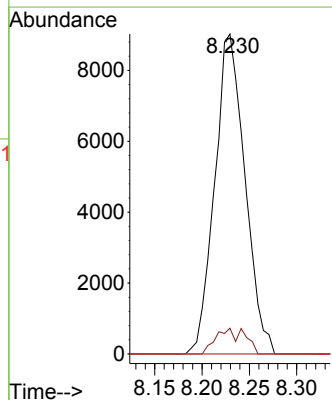
Tgt Ion: 117 Resp: 20036

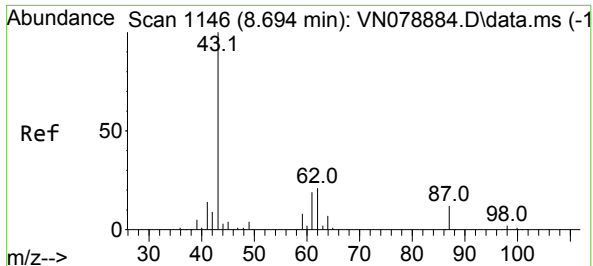
Ion Ratio Lower Upper

117 100

119 8.1 77.3 115.9#

121 0.0 23.3 34.9#





#43

Isopropyl Acetate

Concen: 29.367 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079019.D

Acq: 23 Aug 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :

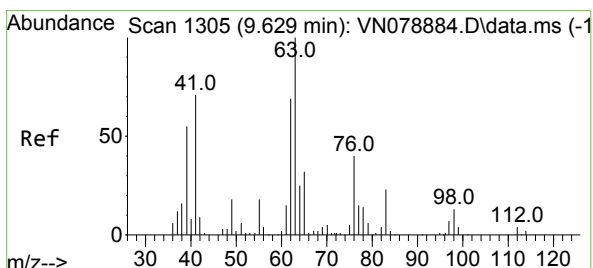
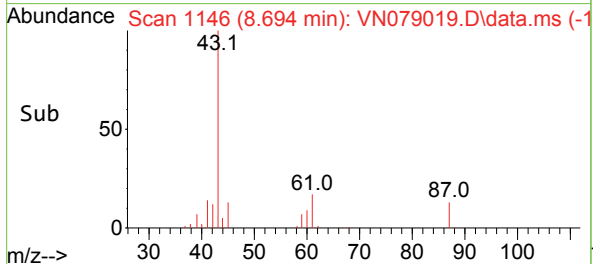
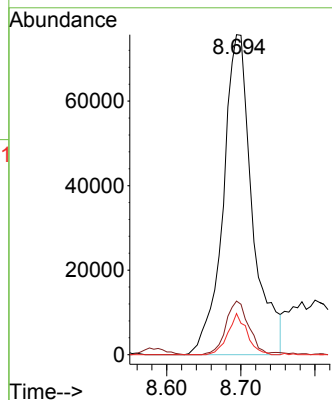
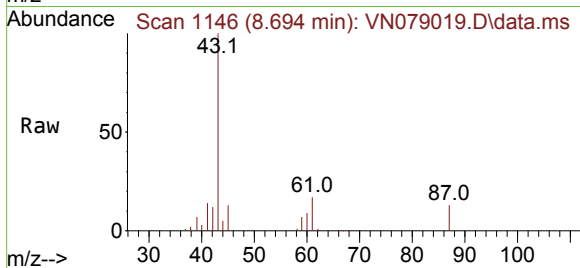
Tgt Ion: 43 Resp: 207657

Ion Ratio Lower Upper

43 100

61 13.1 24.7 37.1#

87 8.4 14.6 21.8#



#45

1,2-Dichloropropane

Concen: 0.627 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.123 min

Lab File: VN079019.D

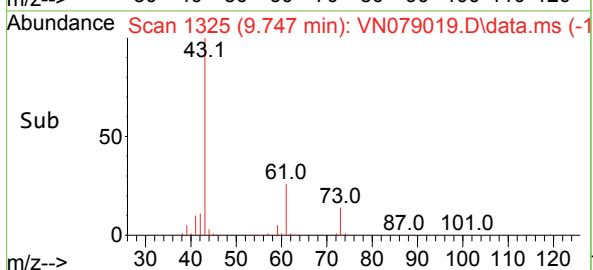
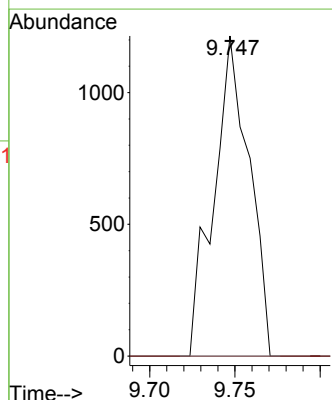
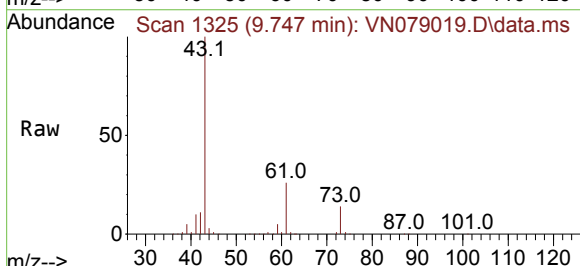
Acq: 23 Aug 2023 16:24

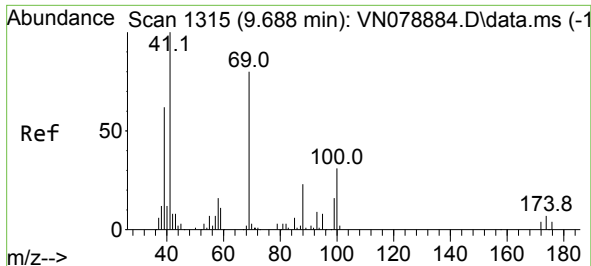
Tgt Ion: 63 Resp: 1763

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#

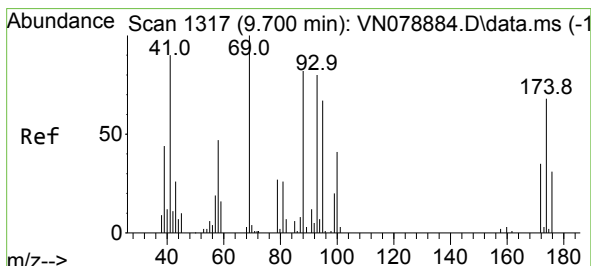
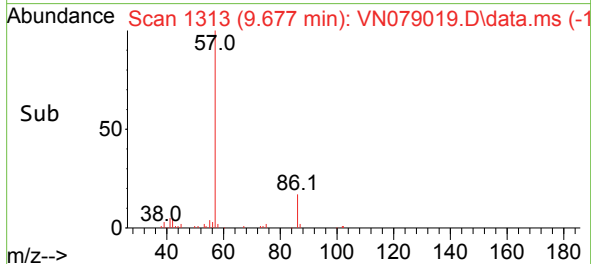
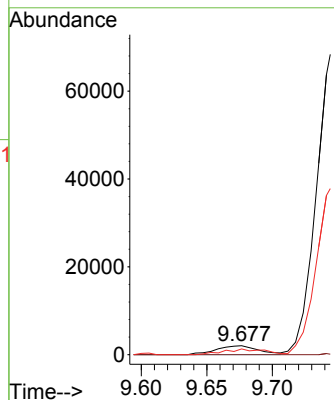
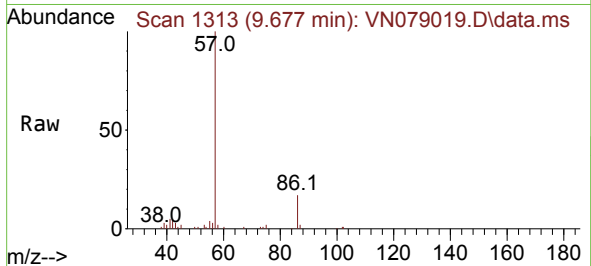




#48
Methyl methacrylate
Concen: 1.419 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN079019.D
Acq: 23 Aug 2023 16:24

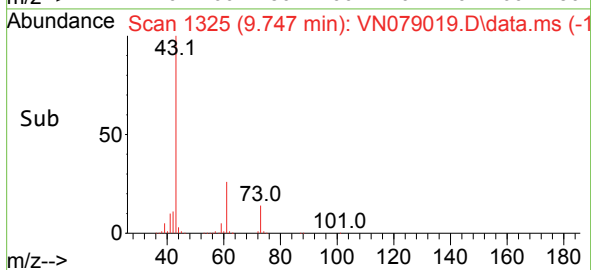
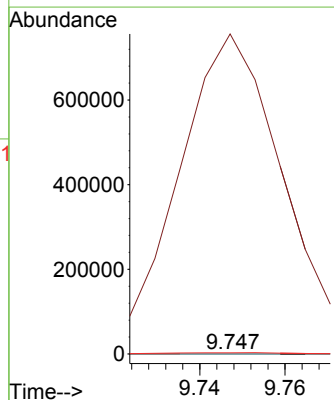
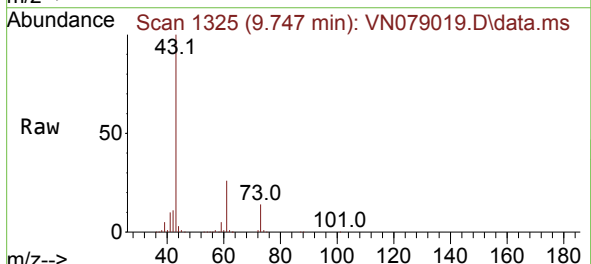
Instrument :
MSVOA_N
ClientSampleId :

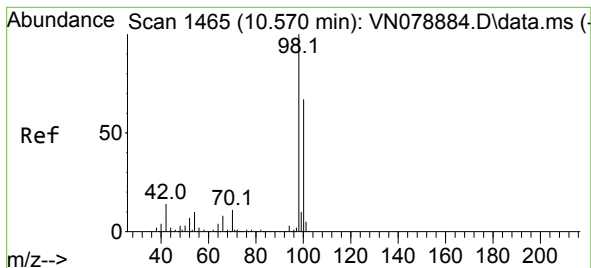
Tgt Ion: 41 Resp: 4548
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 63.7 54.6 81.8



#49
1,4-Dioxane
Concen: 1.338 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN079019.D
Acq: 23 Aug 2023 16:24

Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 1816964.4 17.0 25.6#
58 8635.6 47.0 70.4#





#50

Toluene-d8

Concen: 51.122 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079019.D

Acq: 23 Aug 2023 16:24

Instrument :

MSVOA_N

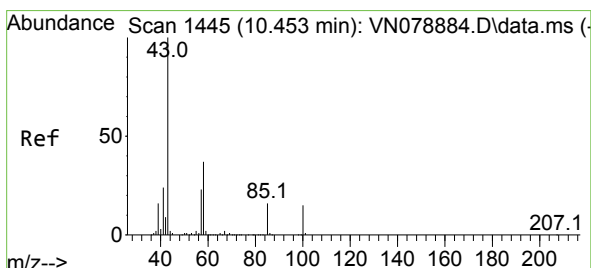
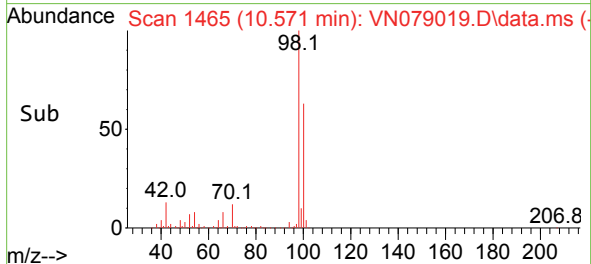
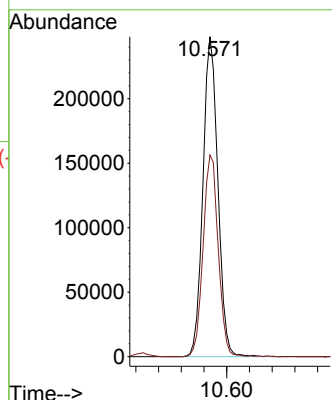
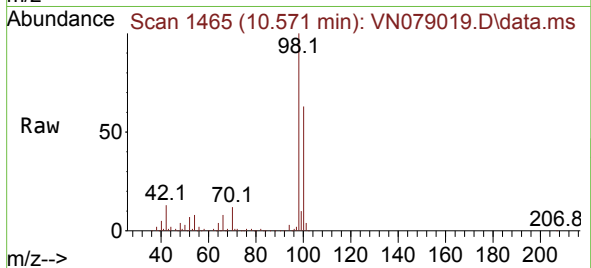
ClientSampleId :

Tgt Ion: 98 Resp: 451198

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 9.441 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.006 min

Lab File: VN079019.D

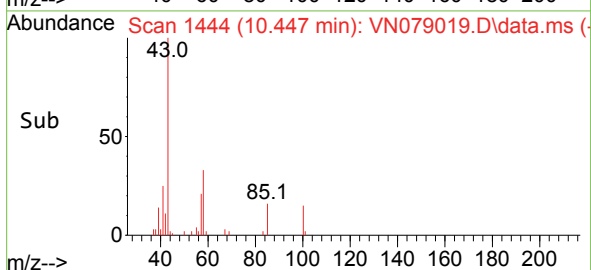
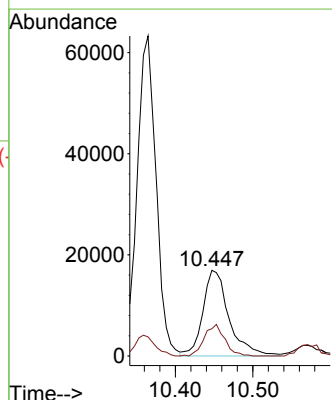
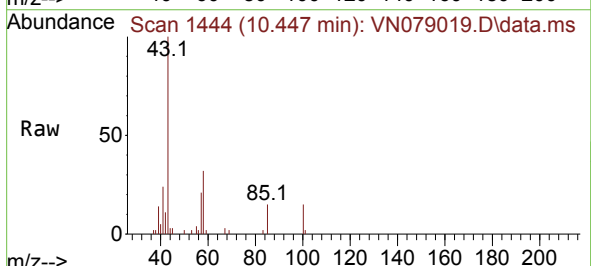
Acq: 23 Aug 2023 16:24

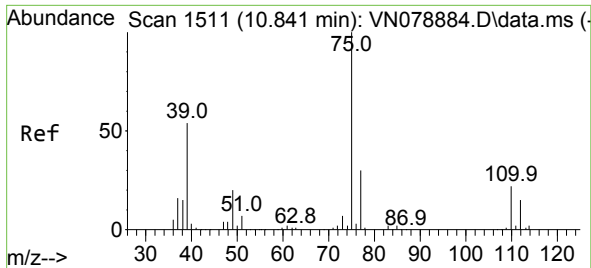
Tgt Ion: 43 Resp: 39593

Ion Ratio Lower Upper

43 100

58 28.8 36.6 54.8#

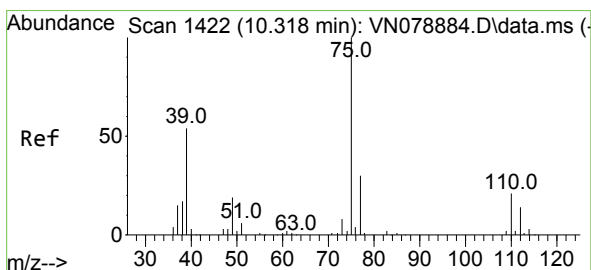
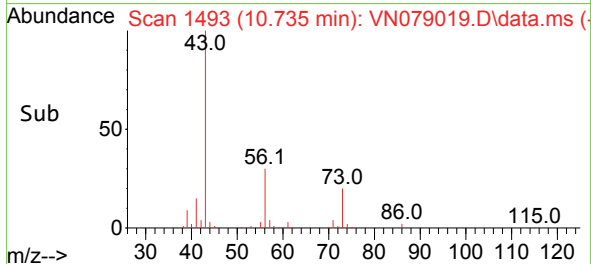
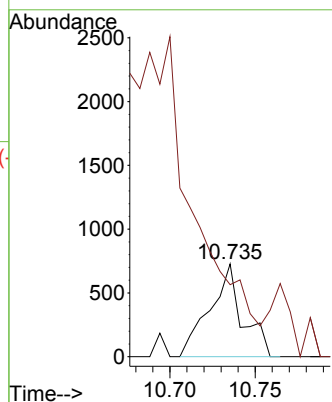
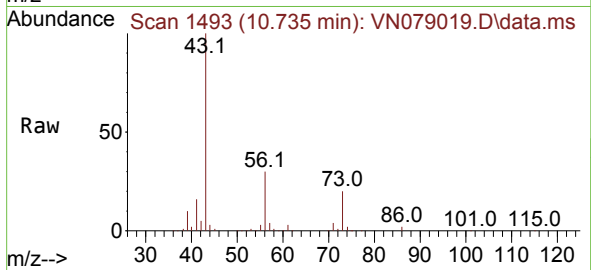




#53
 t-1,3-Dichloropropene
 Concen: 0.238 ug/l
 RT: 10.735 min Scan# 14
 Delta R.T. -0.106 min
 Lab File: VN079019.D
 Acq: 23 Aug 2023 16:24

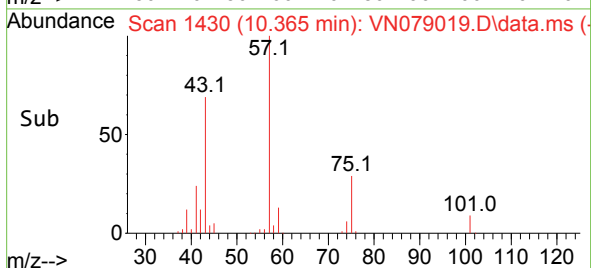
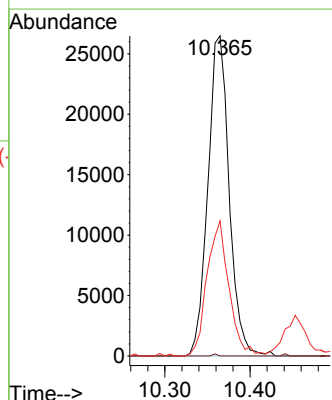
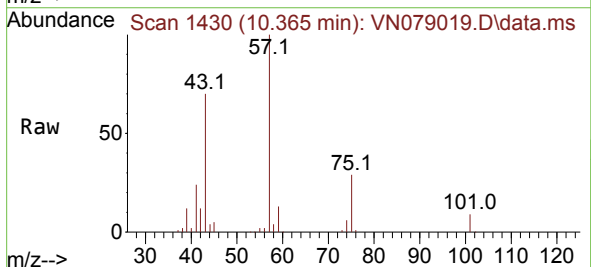
Instrument :
 MSVOA_N
 ClientSampleId :

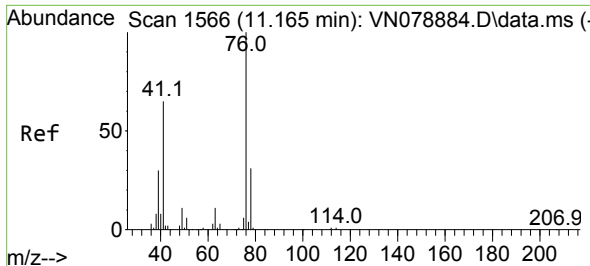
Tgt Ion: 75 Resp: 972
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 10.339 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079019.D
 Acq: 23 Aug 2023 16:24

Tgt Ion: 75 Resp: 46019
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 42.2 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.389 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN079019.D

Acq: 23 Aug 2023 16:24

Instrument :

MSVOA_N

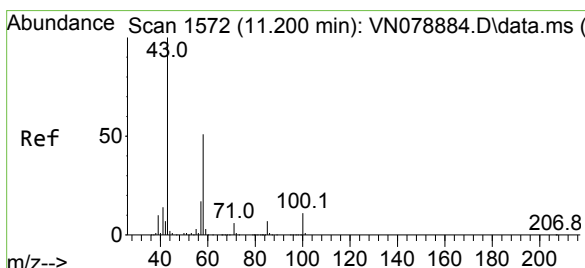
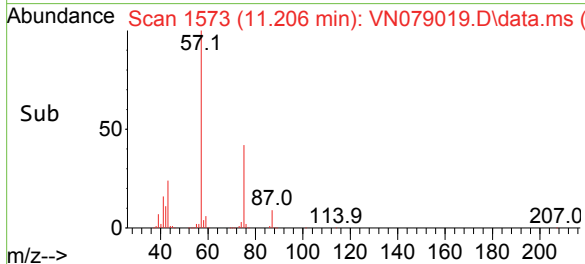
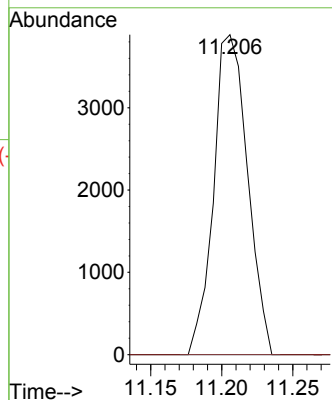
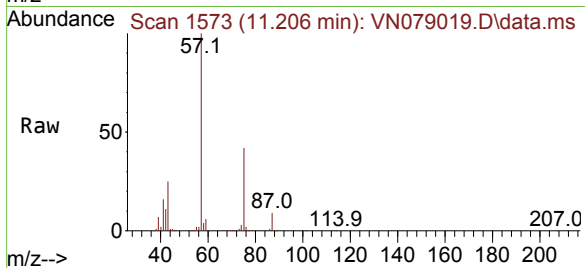
ClientSampleId :

Tgt Ion: 76 Resp: 6464

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 44.264 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN079019.D

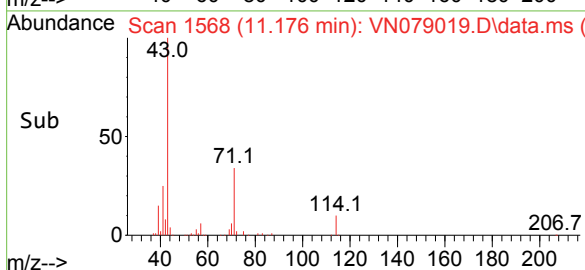
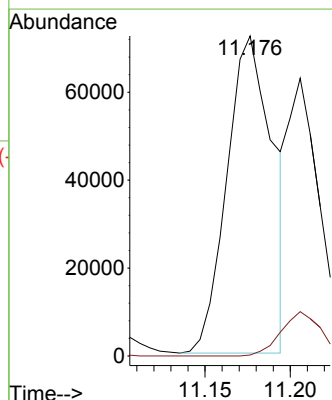
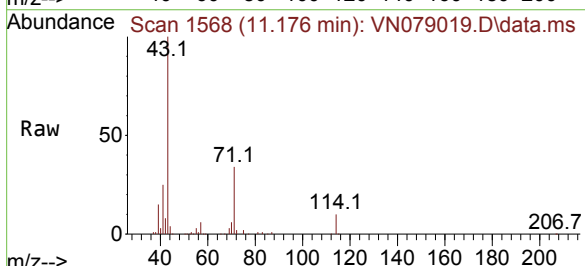
Acq: 23 Aug 2023 16:24

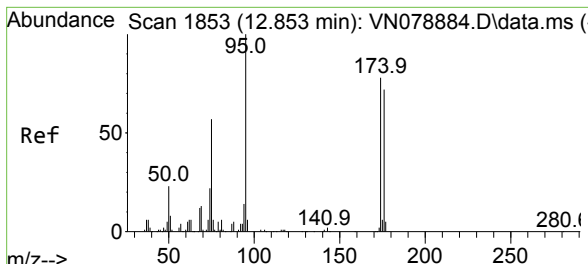
Tgt Ion: 43 Resp: 134455

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

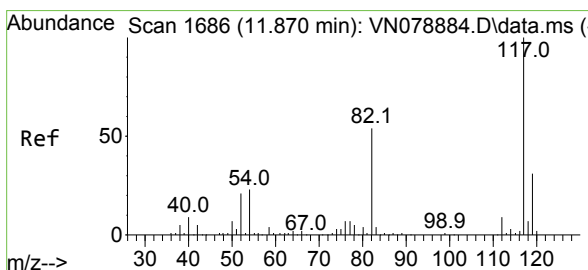
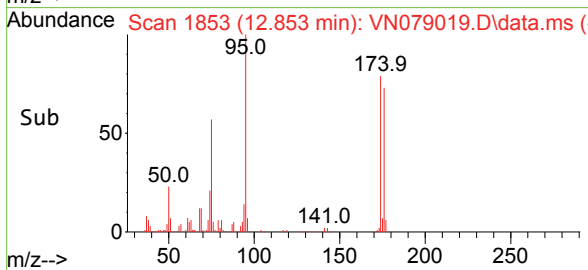
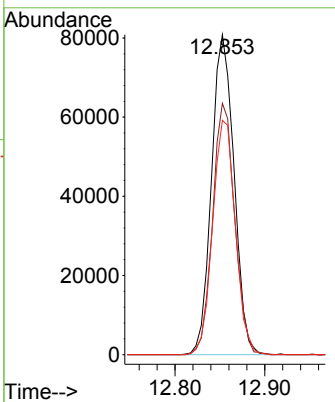
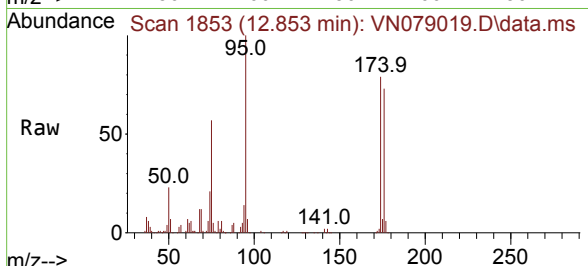




#62
 4-Bromofluorobenzene
 Concen: 48.724 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079019.D
 Acq: 23 Aug 2023 16:24

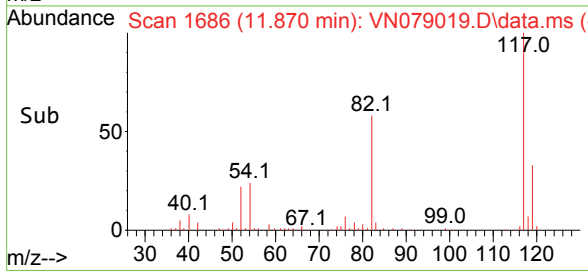
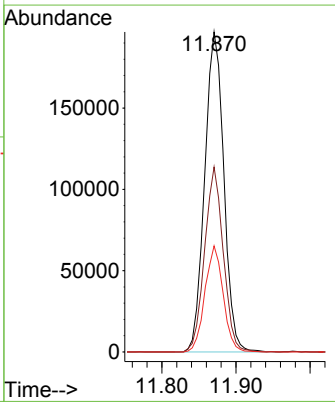
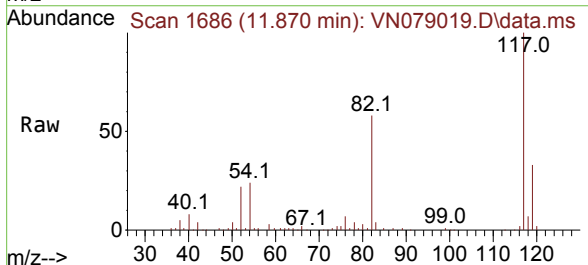
Instrument :
 MSVOA_N
 ClientSampleId :

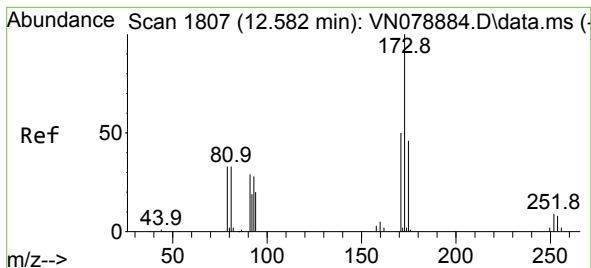
Tgt Ion:	95	Resp:	140562
Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	143.8
176	73.9	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN079019.D
 Acq: 23 Aug 2023 16:24

Tgt Ion:	117	Resp:	353014
Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.0	66.0
119	33.1	25.6	38.4





#71

Bromoform

Concen: 0.552 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN079019.D

Acq: 23 Aug 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :

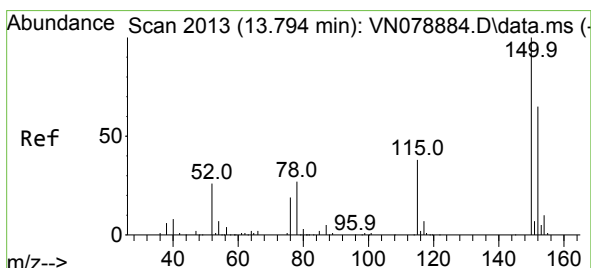
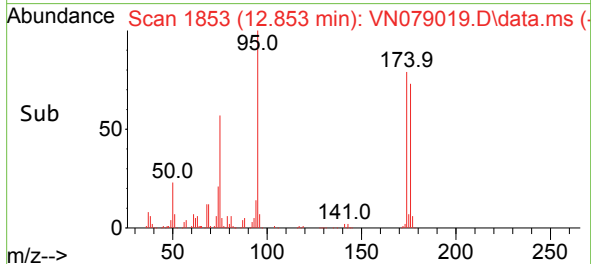
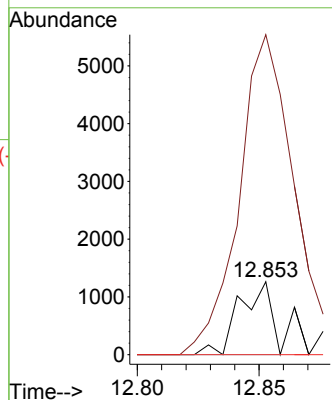
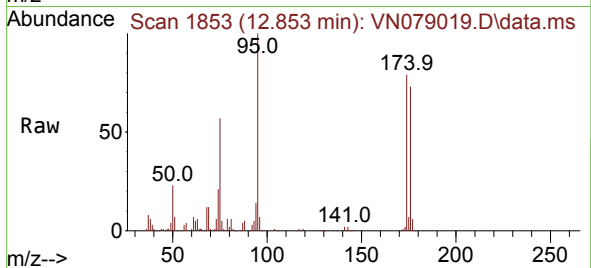
Tgt Ion:173 Resp: 1139

Ion Ratio Lower Upper

173 100

175 592.3 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN079019.D

Acq: 23 Aug 2023 16:24

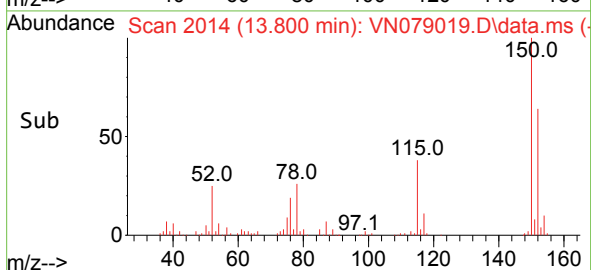
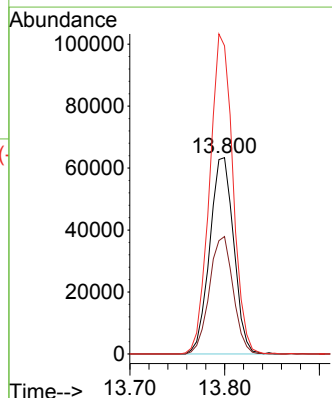
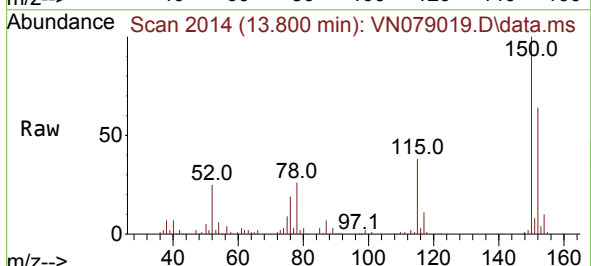
Tgt Ion:152 Resp: 111528

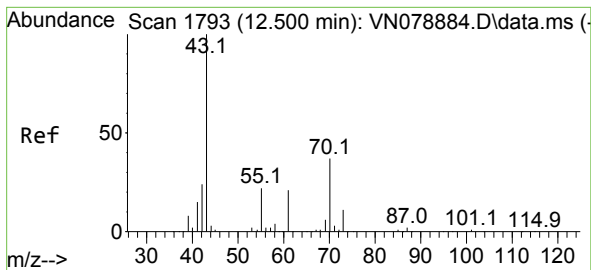
Ion Ratio Lower Upper

152 100

115 59.1 32.3 96.8

150 157.8 0.0 355.8





#74

N-amy1 acetate

Concen: 0.339 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079019.D

Acq: 23 Aug 2023 16:24

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 1592

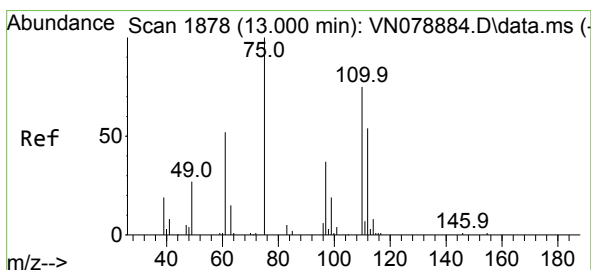
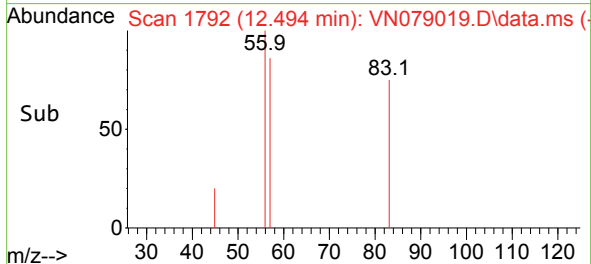
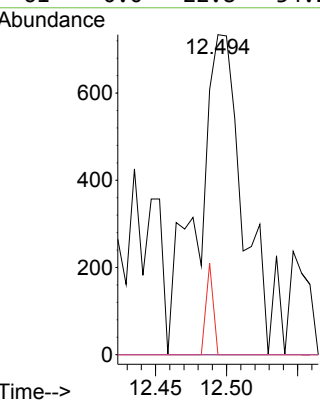
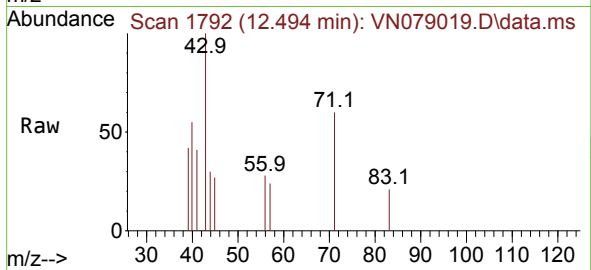
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 4.6 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 29.103 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079019.D

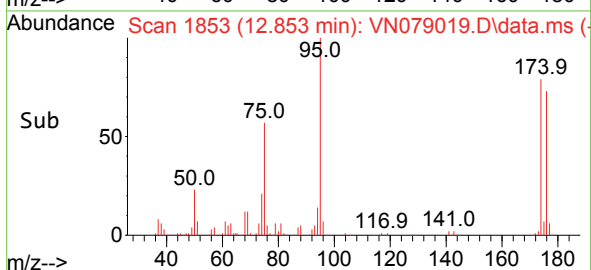
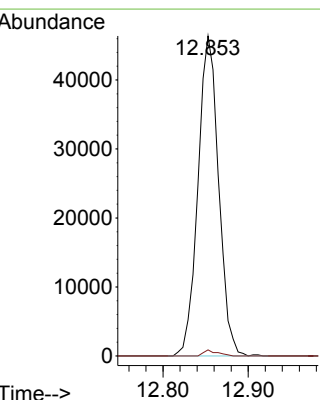
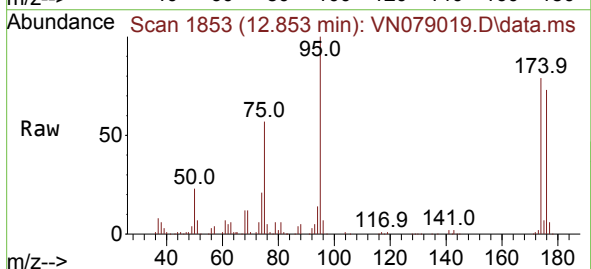
Acq: 23 Aug 2023 16:24

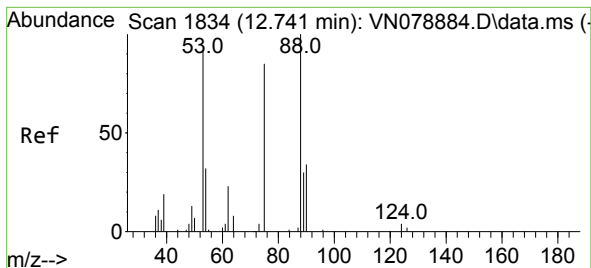
Tgt Ion: 75 Resp: 78208

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#

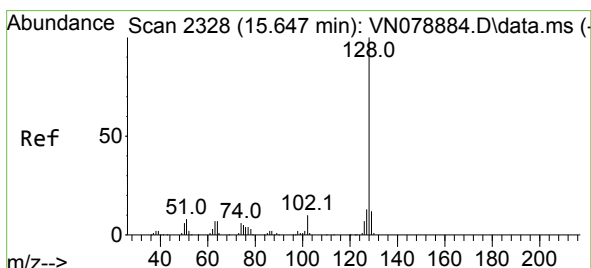
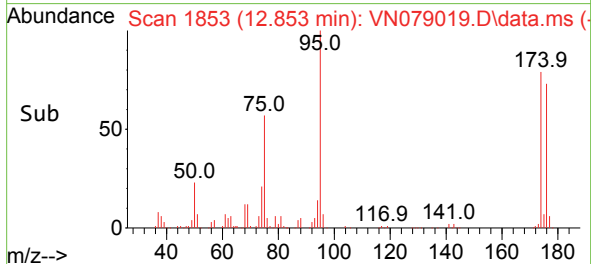
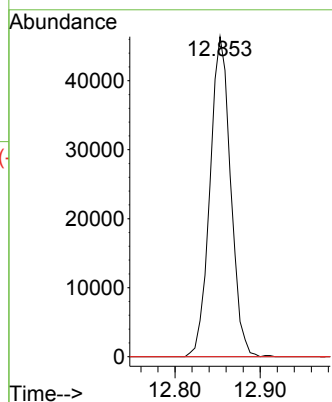
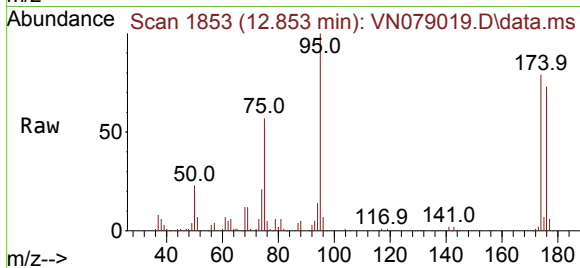




#81
trans-1,4-Dichloro-2-butene
Concen: 74.346 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079019.D
Acq: 23 Aug 2023 16:24

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 78208
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.620 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN079019.D
Acq: 23 Aug 2023 16:24

Tgt Ion:128 Resp: 247
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

