

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082323\
 Data File : VN079020.D
 Acq On : 23 Aug 2023 16:48
 Operator : JC\MD
 Sample : 04091-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 01:19:51 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)

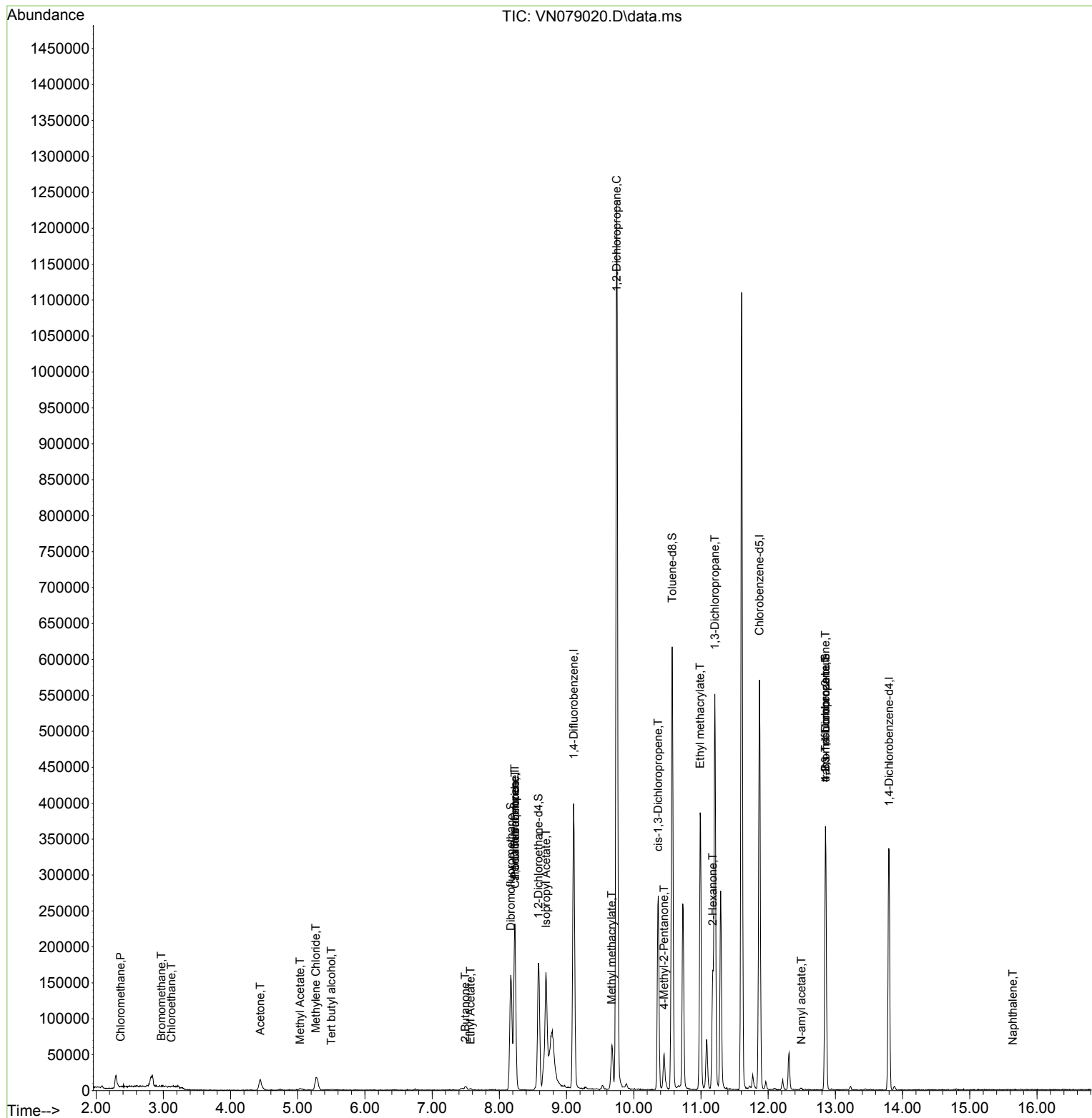
Internal Standards						
1) Pentafluorobenzene	8.230	168	157701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	326348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	312386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	89178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	143854	58.621	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.240%			
35) Dibromofluoromethane	8.171	113	114951	52.326	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.660%			
50) Toluene-d8	10.571	98	414156	50.774	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	12.853	95	117985	44.253	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.500%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	801	0.262	ug/l #	42
5) Bromomethane	2.971	94	428	0.278	ug/l #	71
6) Chloroethane	3.118	64	525	0.280	ug/l #	43
11) Tert butyl alcohol	5.500	59	369	0.896	ug/l #	72
16) Acetone	4.442	43	28145	27.796	ug/l #	85
18) Methyl Acetate	5.036	43	5160	1.206	ug/l #	54
20) Methylene Chloride	5.271	84	13161	6.099	ug/l #	85
25) 2-Butanone	7.494	43	9052	5.576	ug/l #	71
31) Cyclohexane	8.224	56	4268	Below Cal	#	52
36) 1,1-Dichloropropene	8.230	75	14810	4.482	ug/l #	44
37) Ethyl Acetate	7.571	43	4059	1.098	ug/l #	71
38) Carbon Tetrachloride	8.235	117	17876	5.399	ug/l #	18
43) Isopropyl Acetate	8.694	43	214726	32.858	ug/l #	70
45) 1,2-Dichloropropane	9.747	63	1919	0.738	ug/l #	45
48) Methyl methacrylate	9.671	41	4678	1.580	ug/l #	28
51) 4-Methyl-2-Pentanone	10.453	43	38704	9.986	ug/l #	79
54) cis-1,3-Dichloropropene	10.365	75	45417	11.040	ug/l #	72
56) Ethyl methacrylate	10.988	69	1846	0.495	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5063	1.177	ug/l #	42
59) 2-Hexanone	11.176	43	130528	46.495	ug/l #	19
74) N-amyl acetate	12.494	43	1628	0.434	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	63788	29.686	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	63788	75.835	ug/l #	15
95) Naphthalene	15.641	128	272	2.637	ug/l #	70

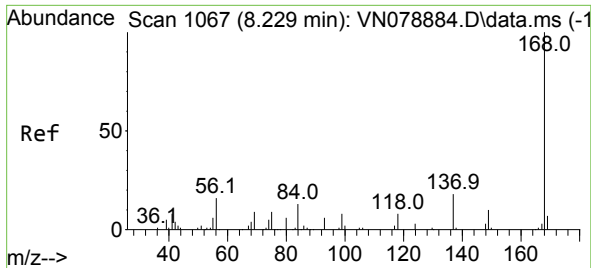
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082323\
Data File : VN079020.D
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Sample : 04091-20
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

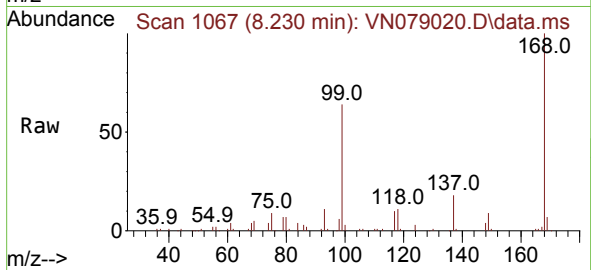
Quant Time: Aug 24 01:19:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
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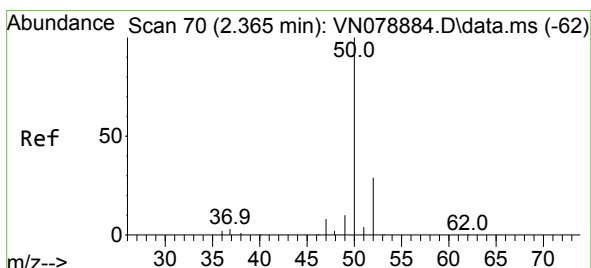
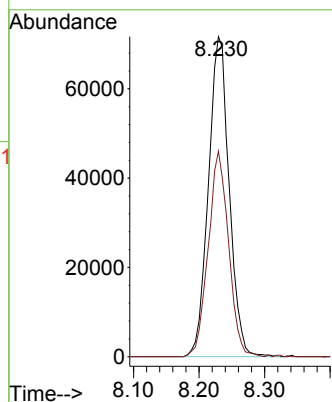
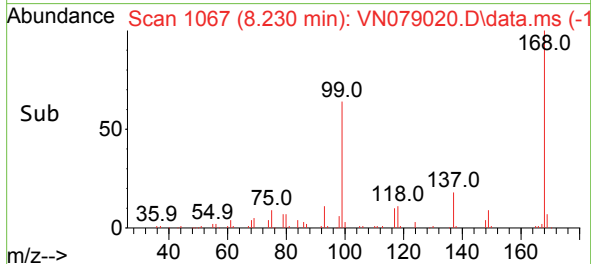


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Instrument :
MSVOA_N
ClientSampleId :

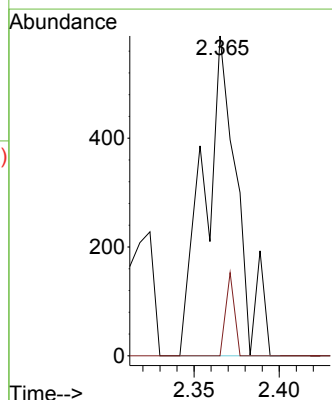
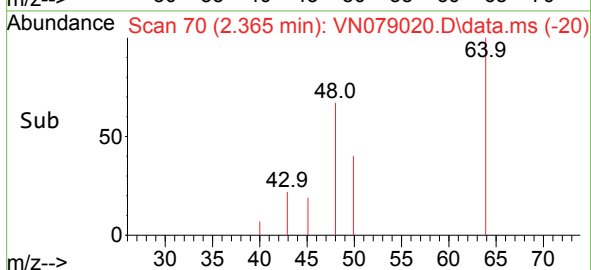
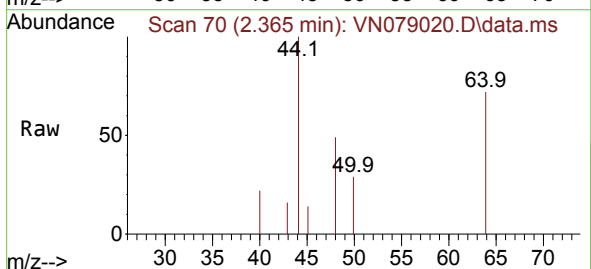


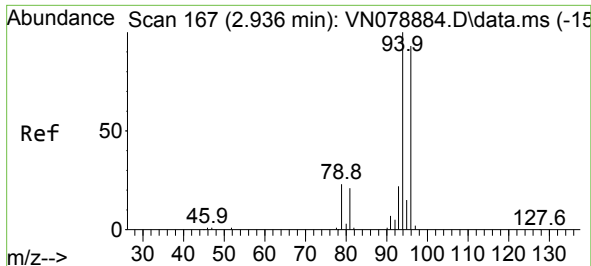
Tgt Ion:168 Resp: 157701
Ion Ratio Lower Upper
168 100
99 64.2 53.0 79.6



#3
Chloromethane
Concen: 0.262 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Tgt Ion: 50 Resp: 801
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

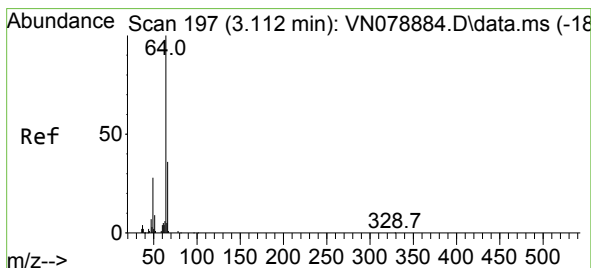
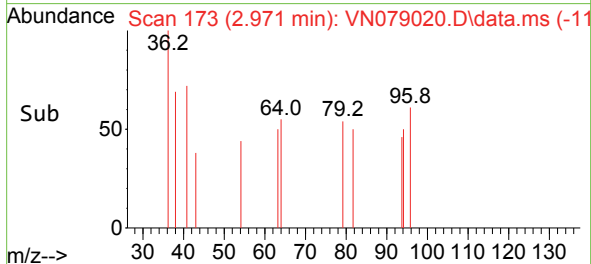
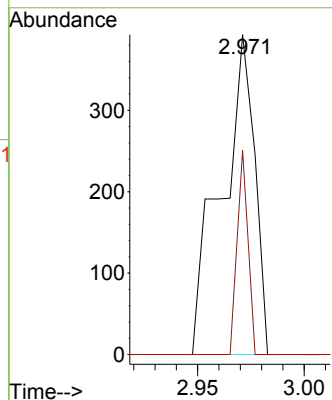
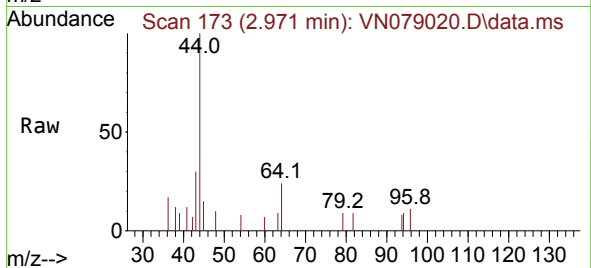




#5
Bromomethane
Concen: 0.278 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

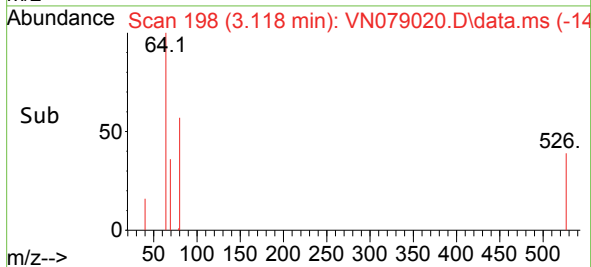
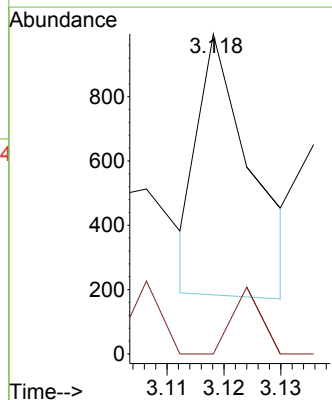
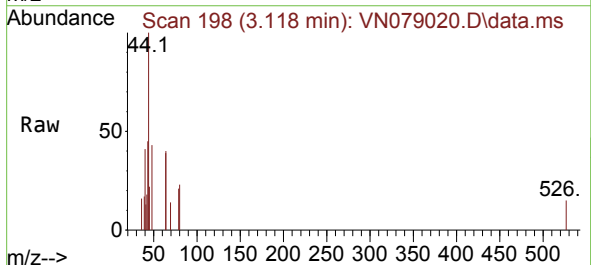
Instrument :
MSVOA_N
ClientSampleId :

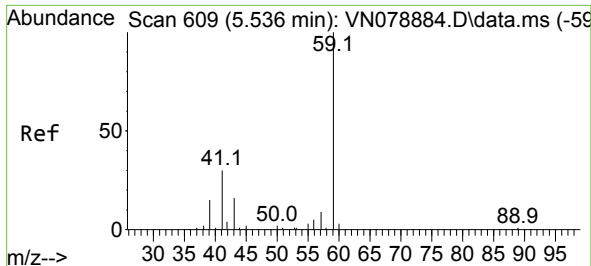
Tgt Ion: 94 Resp: 428
Ion Ratio Lower Upper
94 100
96 63.9 73.1 109.7#



#6
Chloroethane
Concen: 0.280 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Tgt Ion: 64 Resp: 525
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

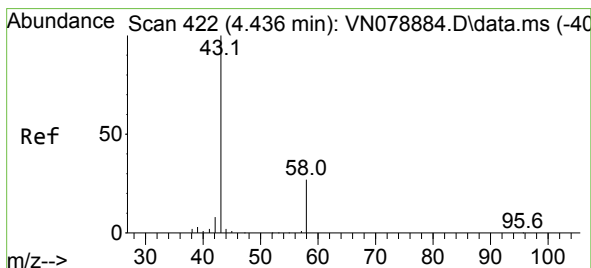
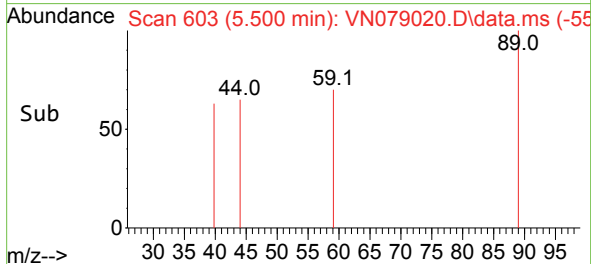
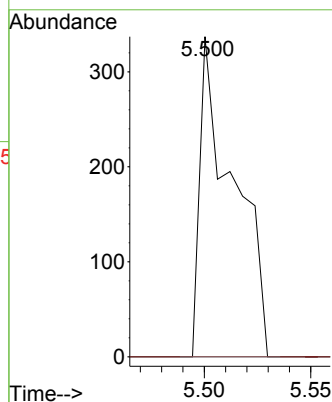
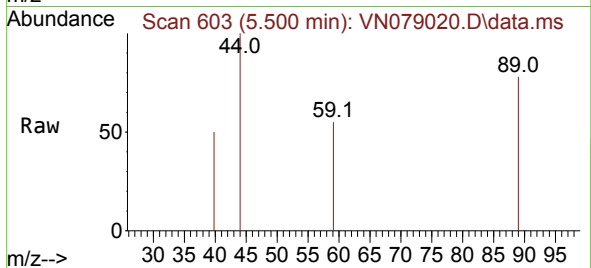




#11
Tert butyl alcohol
Concen: 0.896 ug/l
RT: 5.500 min Scan# 609
Delta R.T. -0.042 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

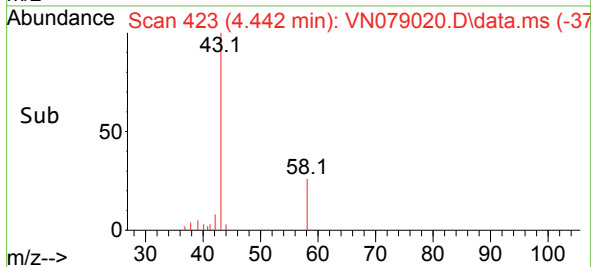
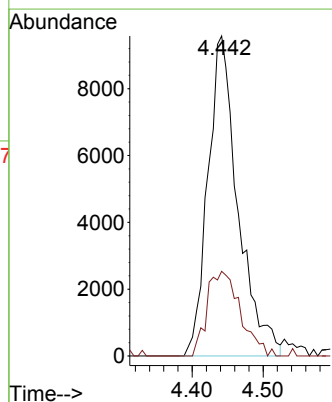
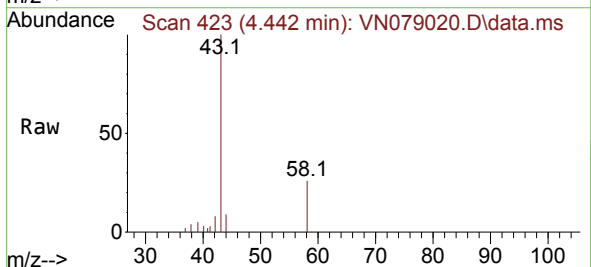
Instrument :
MSVOA_N
ClientSampleId :

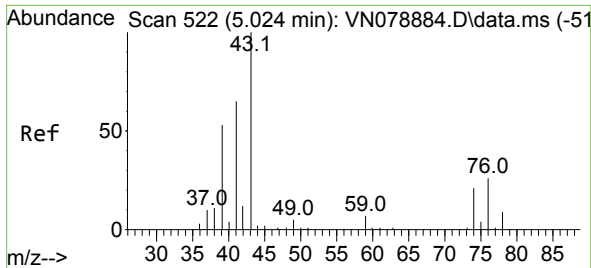
Tgt Ion: 59 Resp: 369
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 27.796 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Tgt Ion: 43 Resp: 28145
Ion Ratio Lower Upper
43 100
58 26.5 28.0 42.0#

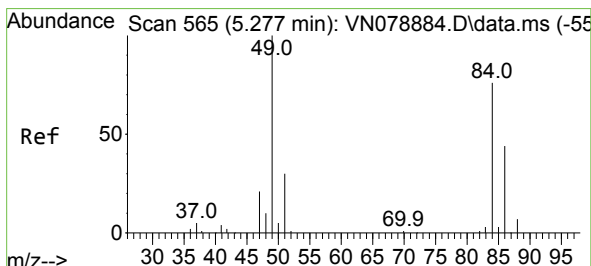
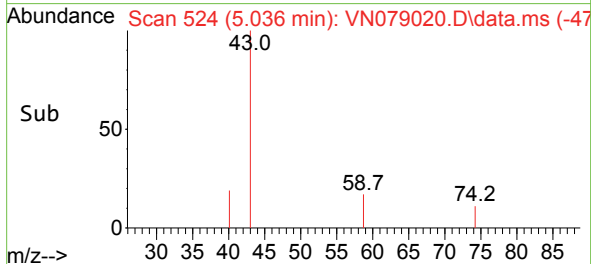
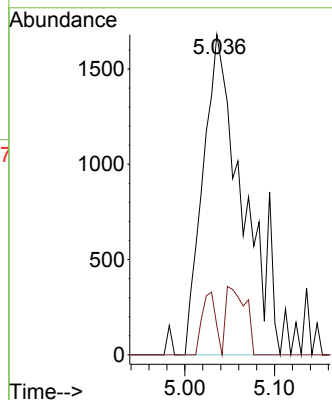
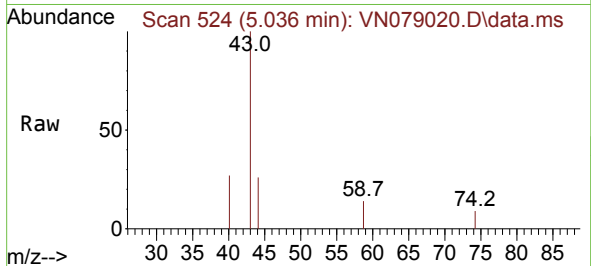




#18
Methyl Acetate
Concen: 1.206 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

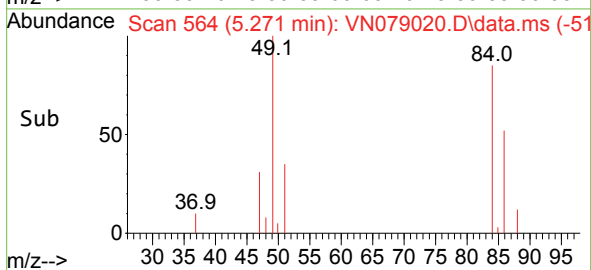
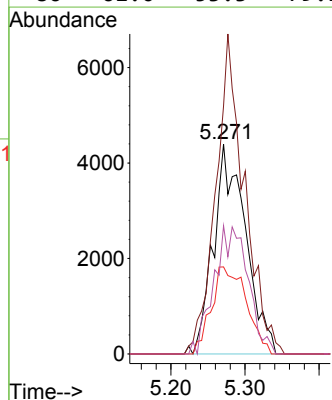
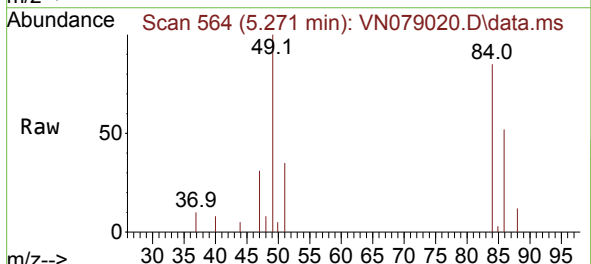
Instrument :
MSVOA_N
ClientSampleId :

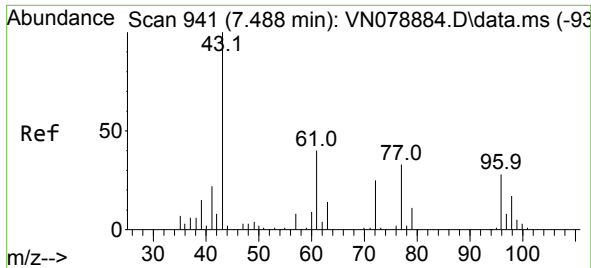
Tgt Ion: 43 Resp: 5160
Ion Ratio Lower Upper
43 100
74 6.6 26.2 39.4#



#20
Methylene Chloride
Concen: 6.099 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.012 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Tgt Ion: 84 Resp: 13161
Ion Ratio Lower Upper
84 100
49 118.2 79.7 119.5
51 41.5 25.2 37.8#
86 61.0 53.3 79.9

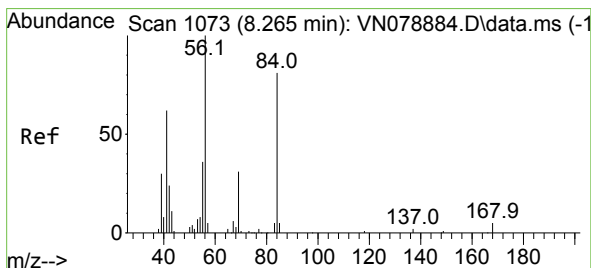
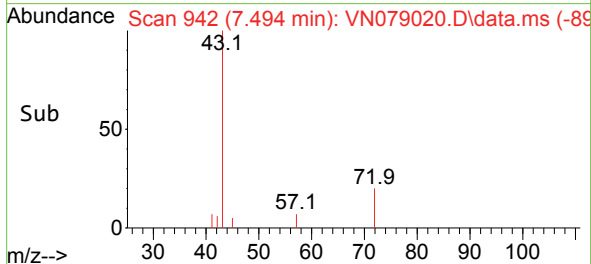
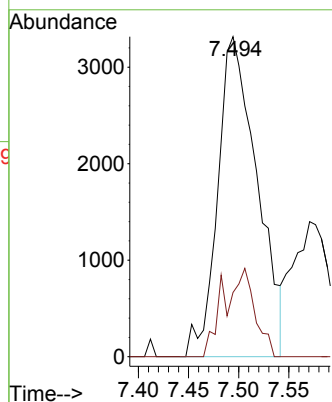
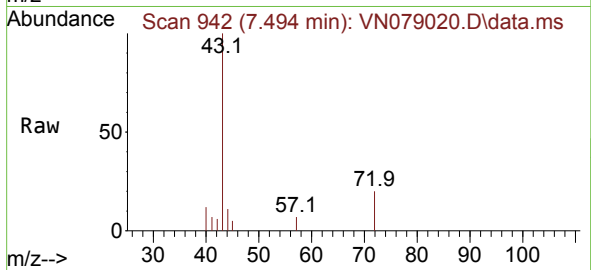




#25
2-Butanone
Concen: 5.576 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

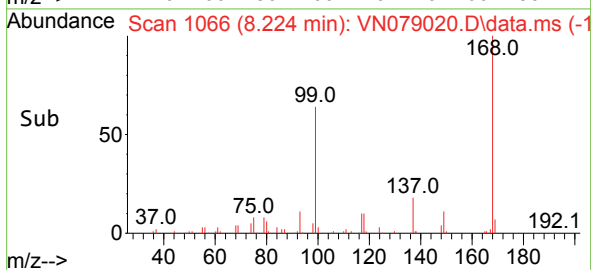
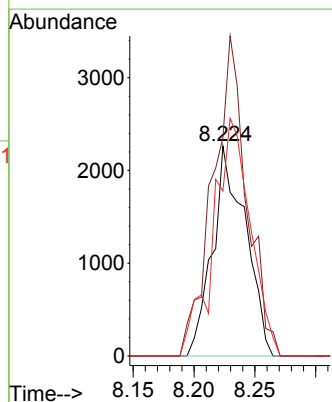
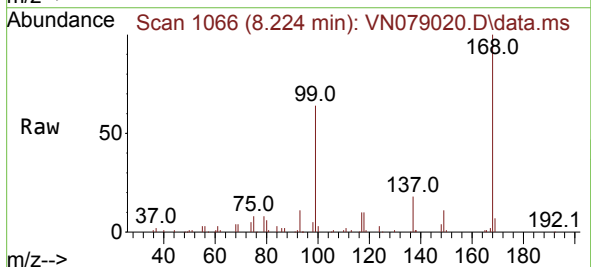
Instrument :
MSVOA_N
ClientSampleId :

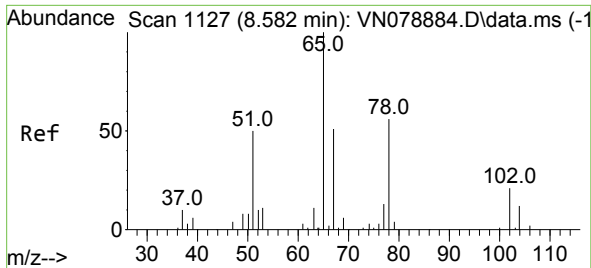
Tgt Ion: 43 Resp: 9052
Ion Ratio Lower Upper
43 100
72 20.1 30.2 45.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Tgt Ion: 56 Resp: 4268
Ion Ratio Lower Upper
56 100
69 104.1 26.8 40.2#
84 78.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 58.621 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079020.D

Acq: 23 Aug 2023 16:48

Instrument :

MSVOA_N

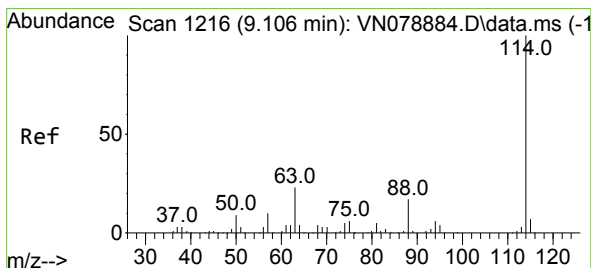
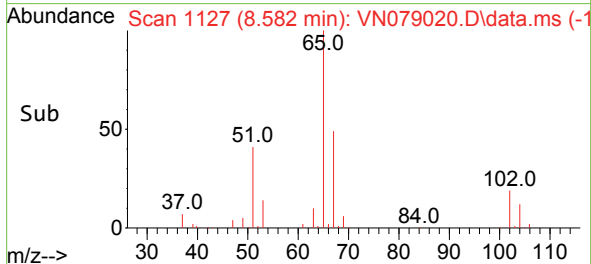
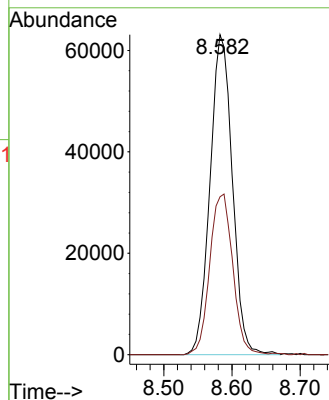
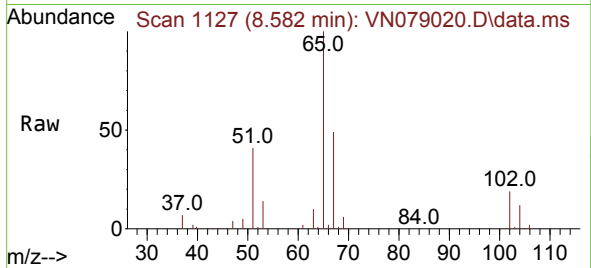
ClientSampleId :

Tgt Ion: 65 Resp: 143854

Ion Ratio Lower Upper

65 100

67 51.7 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: VN079020.D

Acq: 23 Aug 2023 16:48

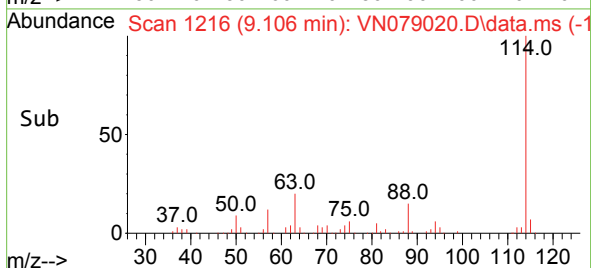
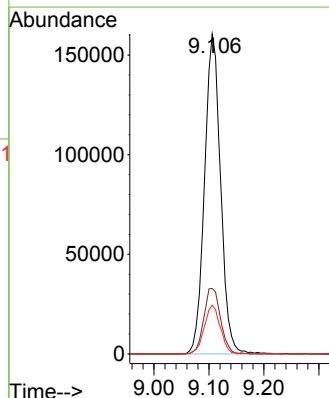
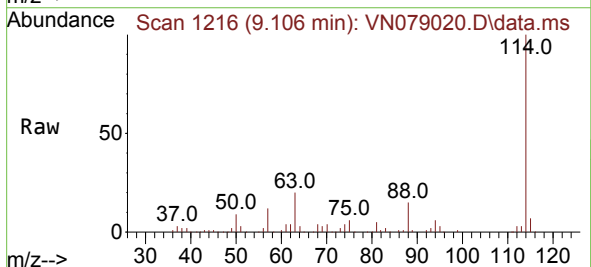
Tgt Ion: 114 Resp: 326348

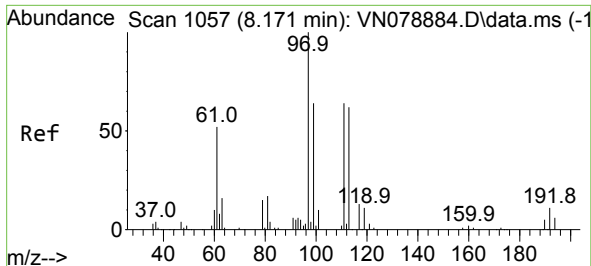
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

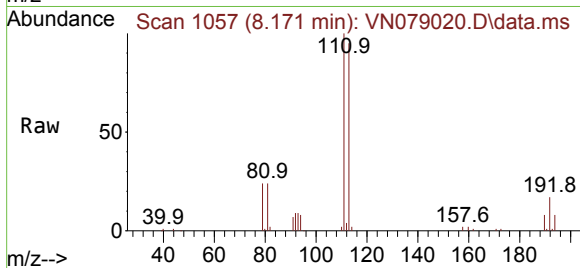
88 15.2 0.0 30.6



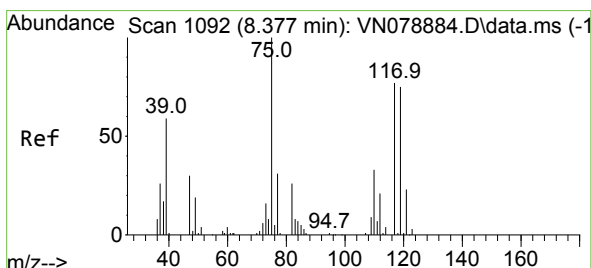
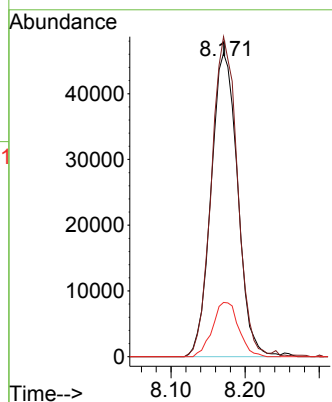
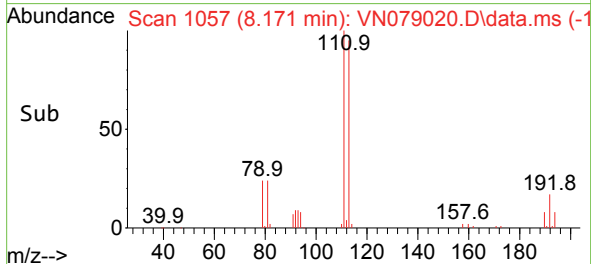


#35
Dibromofluoromethane
Concen: 52.326 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Instrument :
MSVOA_N
ClientSampleId :

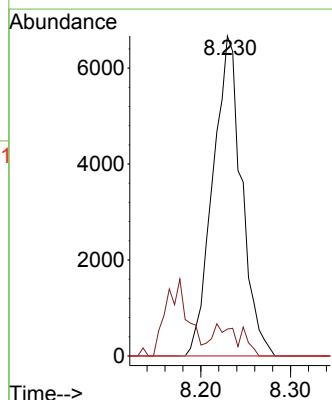
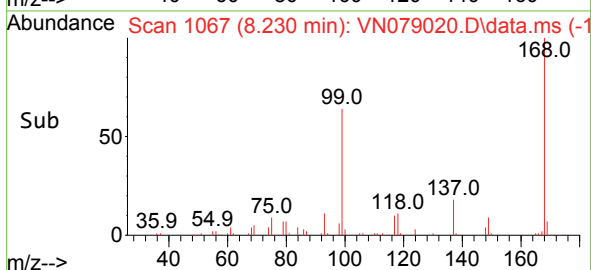
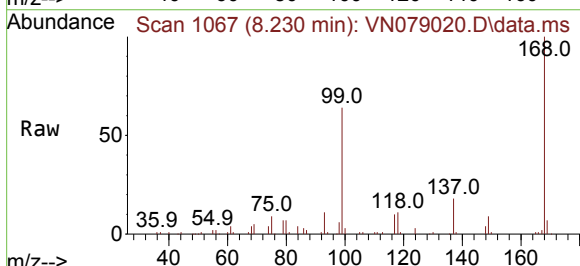


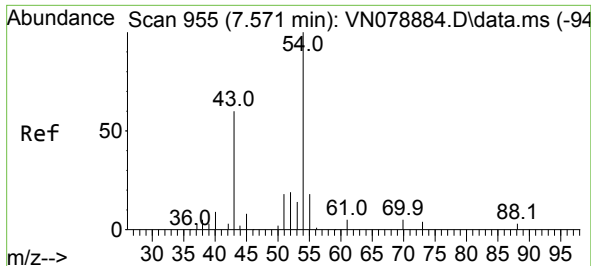
Tgt Ion:113 Resp: 114951
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 17.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.482 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Tgt Ion: 75 Resp: 14810
Ion Ratio Lower Upper
75 100
110 4.4 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.098 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

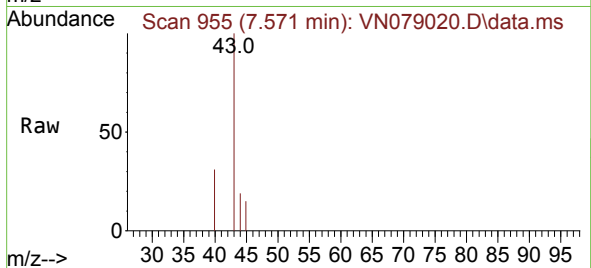
Lab File: VN079020.D

Acq: 23 Aug 2023 16:48

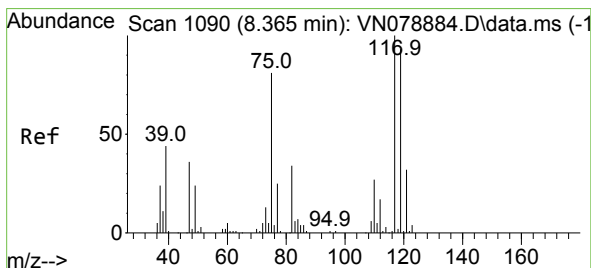
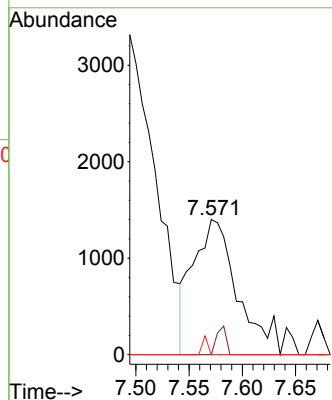
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp:	4059
Ion	Ratio	Lower Upper
43	100	
61	4.6	13.2 19.8#
70	1.7	11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.399 ug/l

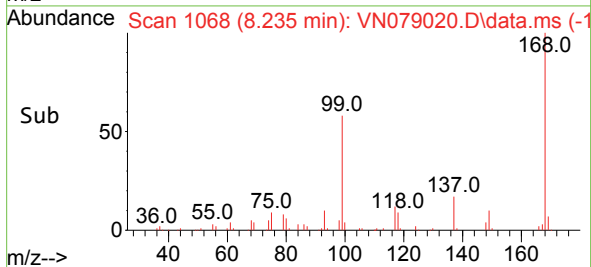
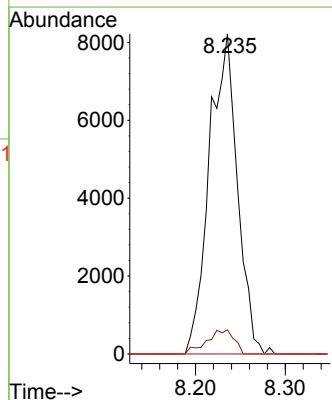
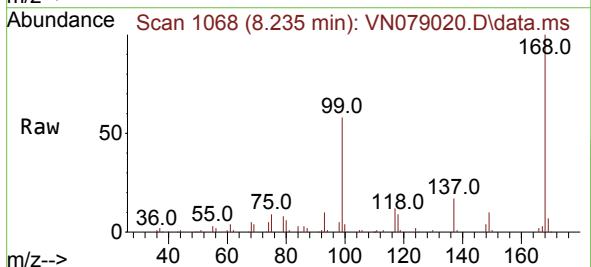
RT: 8.235 min Scan# 1068

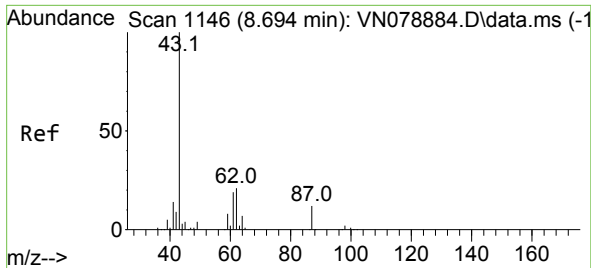
Delta R.T. -0.136 min

Lab File: VN079020.D

Acq: 23 Aug 2023 16:48

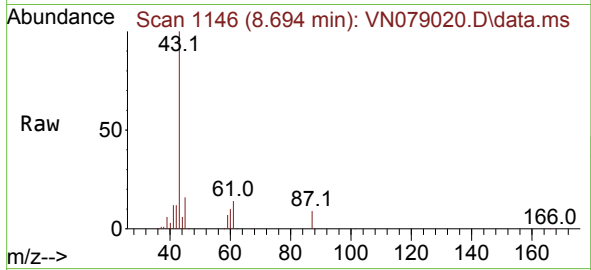
Tgt Ion: 117	Resp:	17876
Ion	Ratio	Lower Upper
117	100	
119	7.5	77.3 115.9#
121	0.0	23.3 34.9#



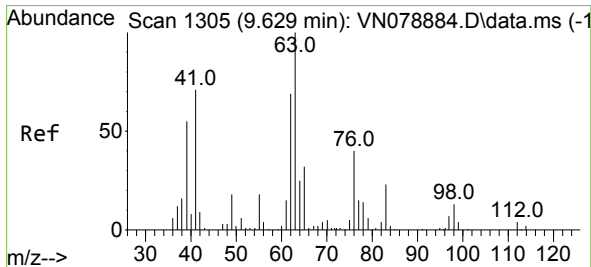
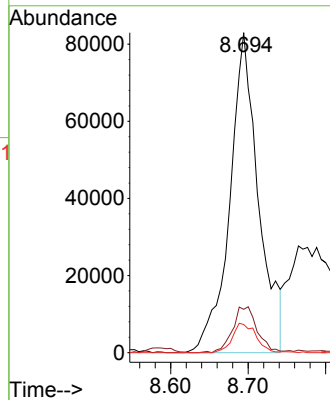
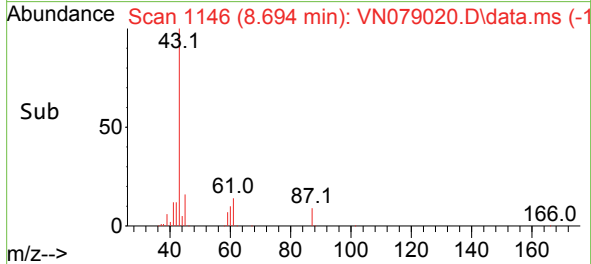


#43
Isopropyl Acetate
Concen: 32.858 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

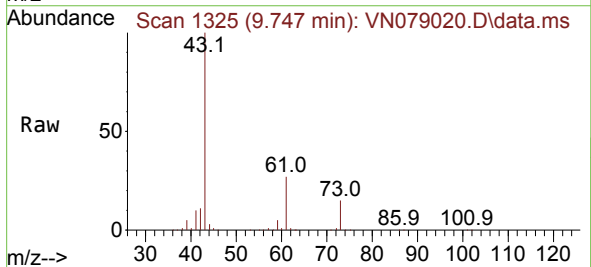
Instrument :
MSVOA_N
ClientSampleId :



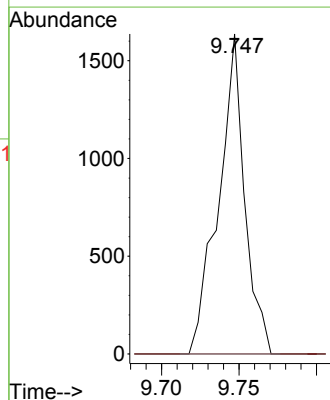
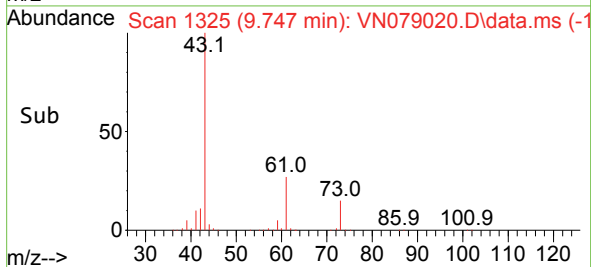
Tgt Ion: 43 Resp: 214726
Ion Ratio Lower Upper
43 100
61 12.4 24.7 37.1#
87 7.6 14.6 21.8#

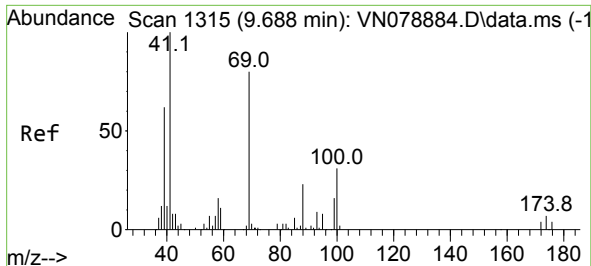


#45
1,2-Dichloropropane
Concen: 0.738 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48



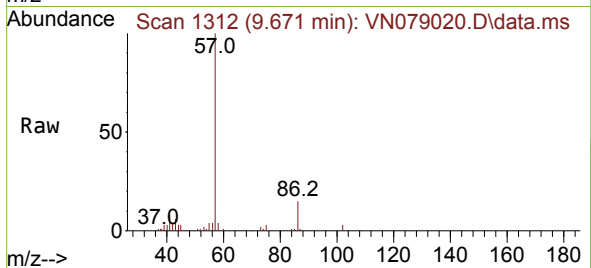
Tgt Ion: 63 Resp: 1919
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



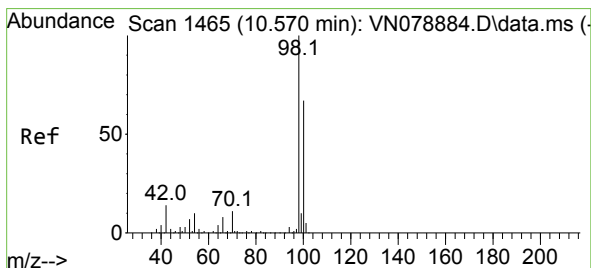
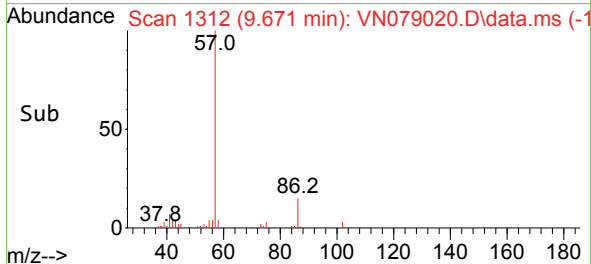
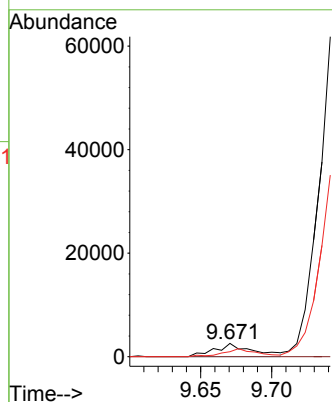


#48
Methyl methacrylate
Concen: 1.580 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Instrument :
MSVOA_N
ClientSampleId :

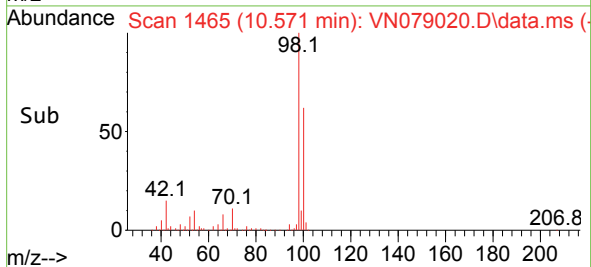
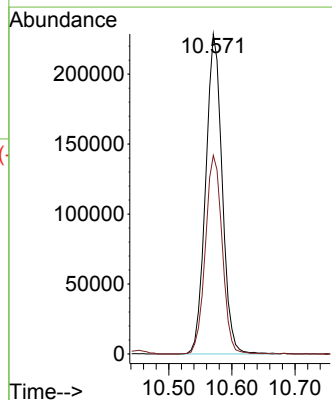
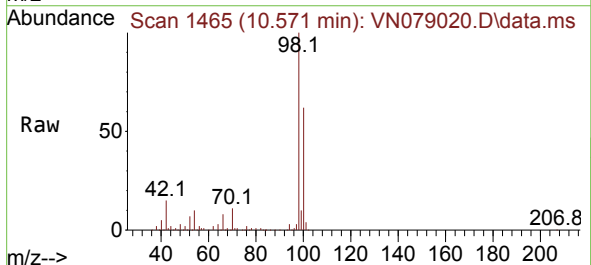


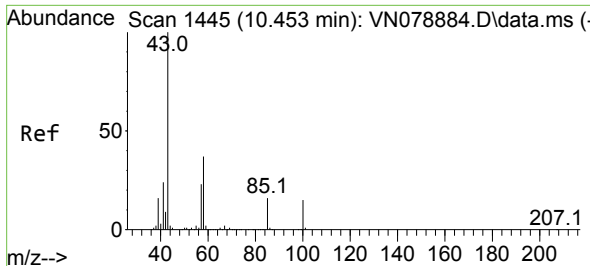
Tgt Ion: 41 Resp: 4678
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 53.7 54.6 81.8#



#50
Toluene-d8
Concen: 50.774 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Tgt Ion: 98 Resp: 414156
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

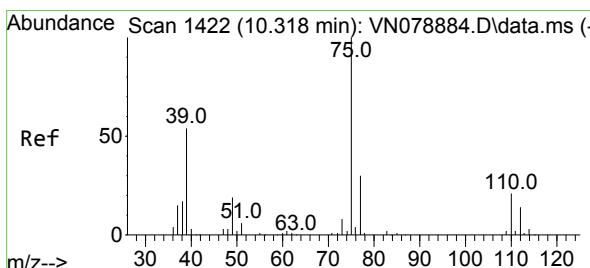
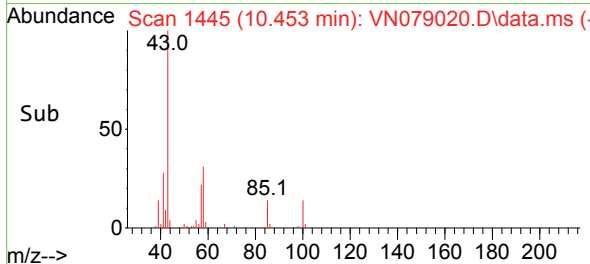
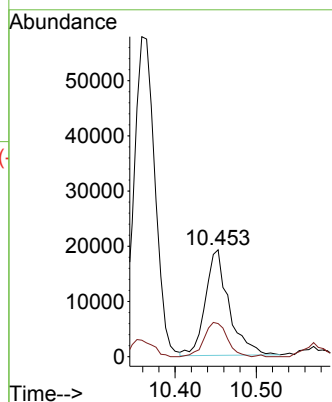
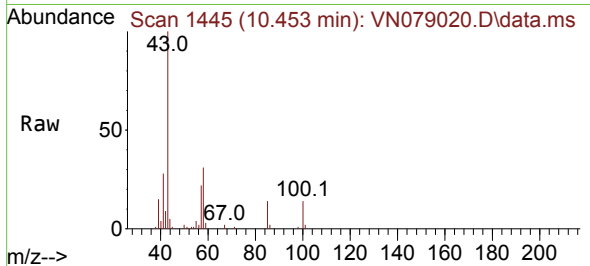




#51
4-Methyl-2-Pentanone
Concen: 9.986 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

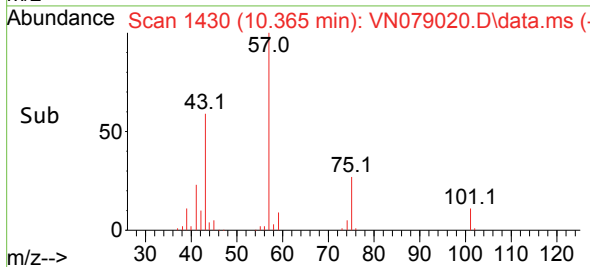
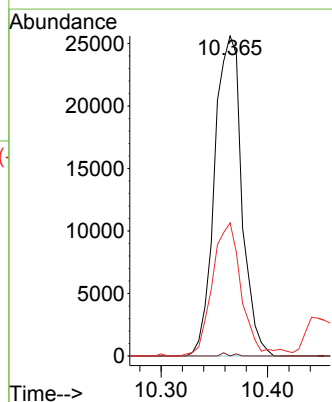
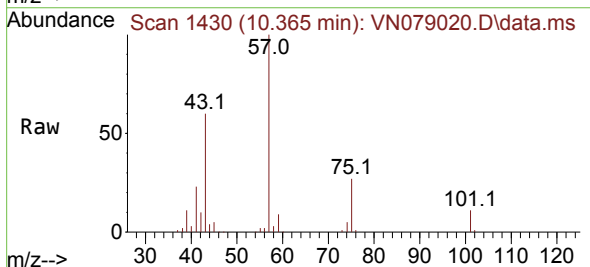
Instrument :
MSVOA_N
ClientSampleId :

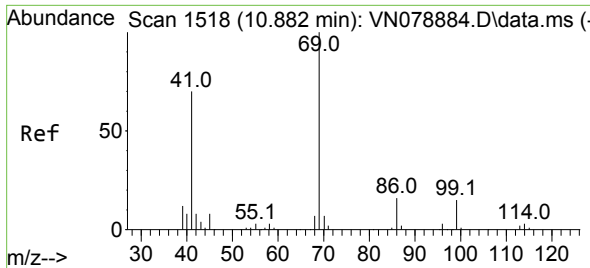
Tgt Ion: 43 Resp: 38704
Ion Ratio Lower Upper
43 100
58 31.6 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 11.040 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

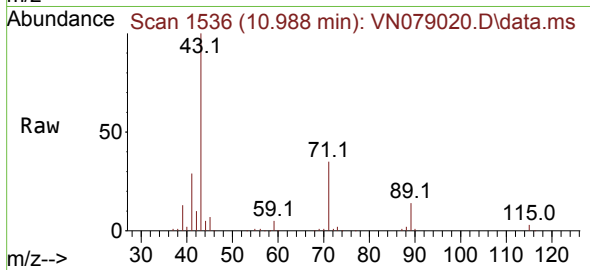
Tgt Ion: 75 Resp: 45417
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 41.6 31.6 47.4



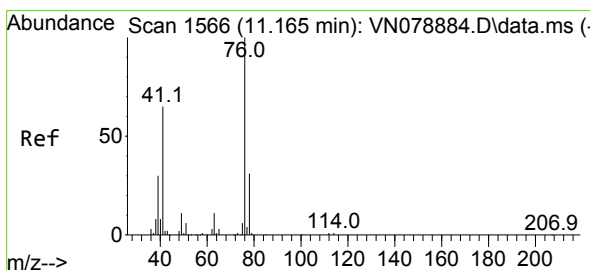
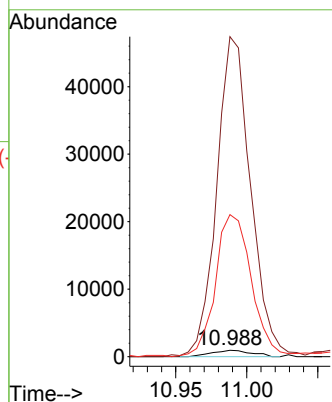
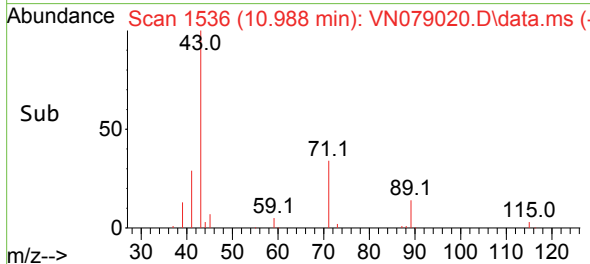


#56
Ethyl methacrylate
Concen: 0.495 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Instrument :
MSVOA_N
ClientSampleId :

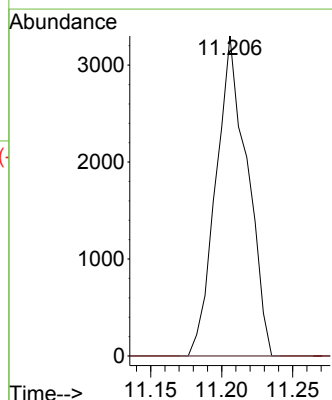
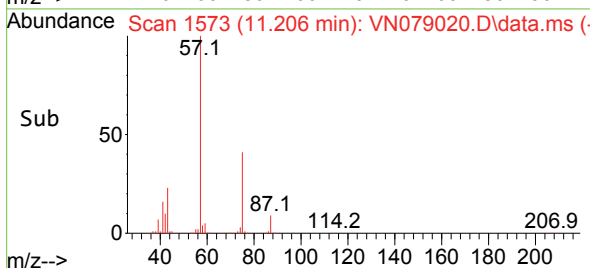
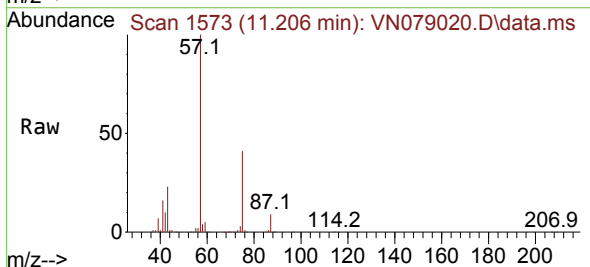


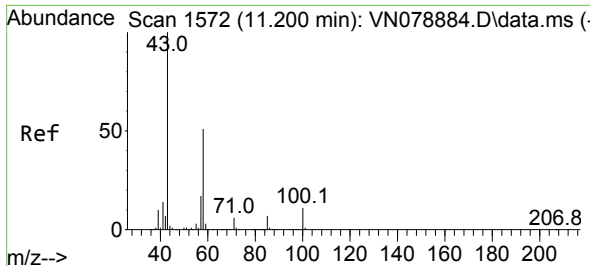
Tgt Ion: 69 Resp: 1846
Ion Ratio Lower Upper
69 100
41 4271.2 39.6 59.4#
39 2006.3 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.177 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Tgt Ion: 76 Resp: 5063
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

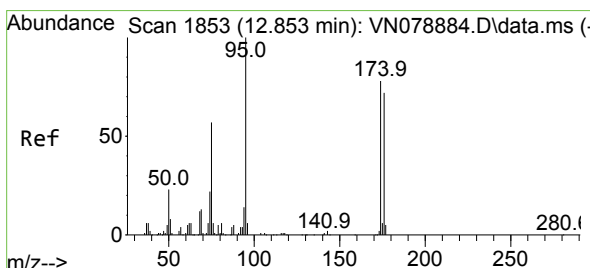
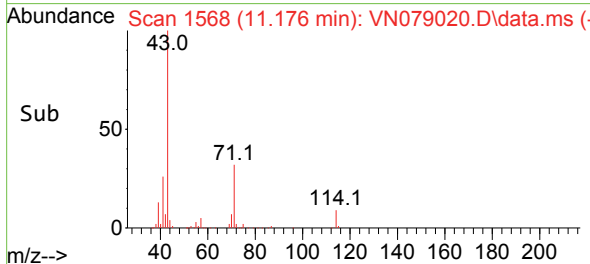
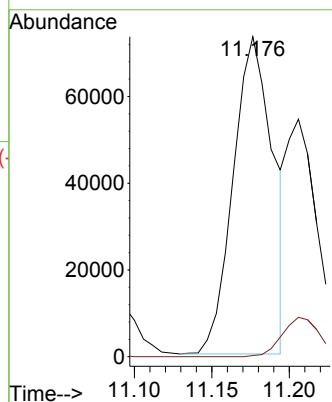
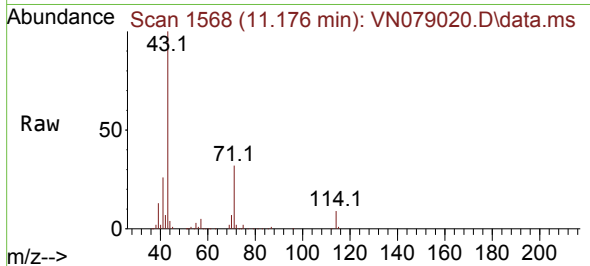




#59
2-Hexanone
Concen: 46.495 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

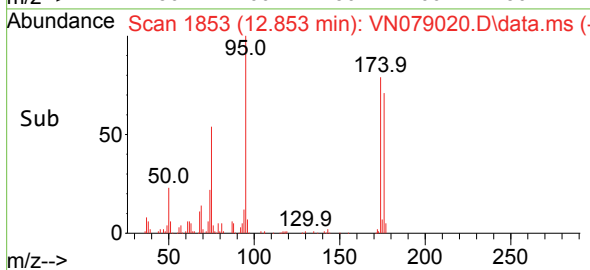
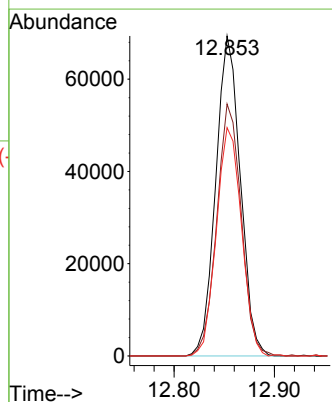
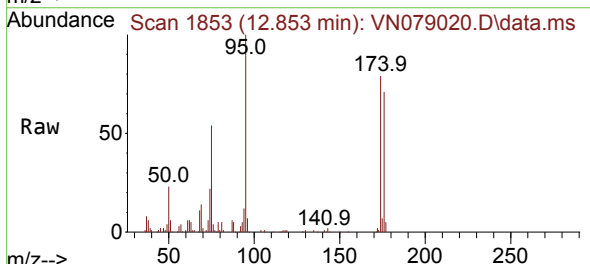
Instrument :
MSVOA_N
ClientSampleId :

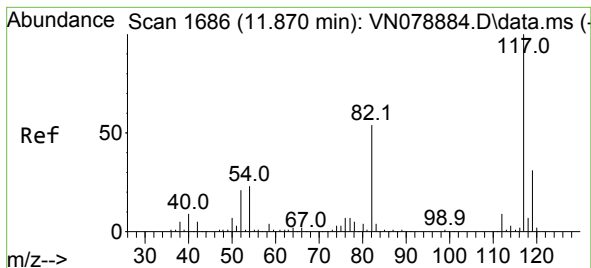
Tgt Ion: 43 Resp: 130528
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 44.253 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Tgt Ion: 95 Resp: 117985
Ion Ratio Lower Upper
95 100
174 78.6 0.0 143.8
176 73.1 0.0 135.8

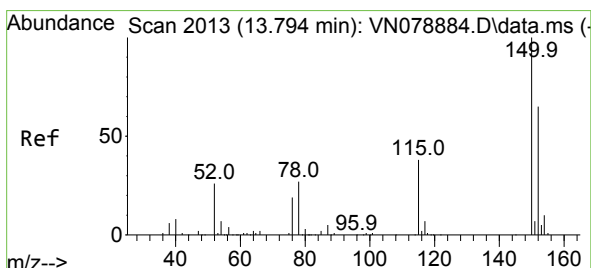
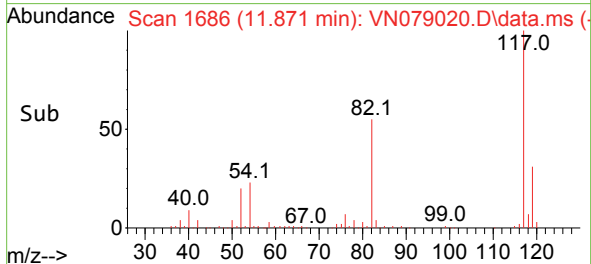
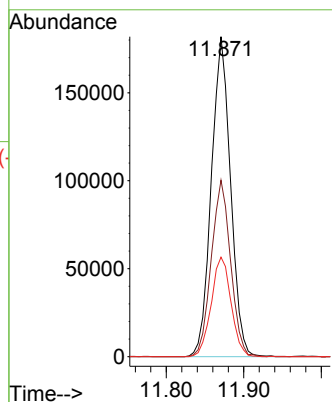
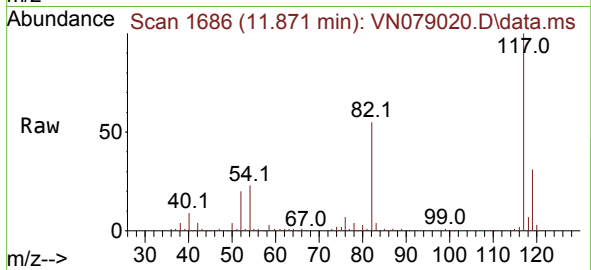




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

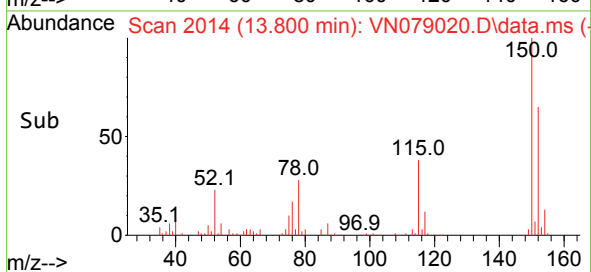
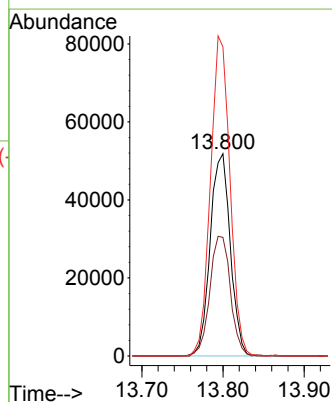
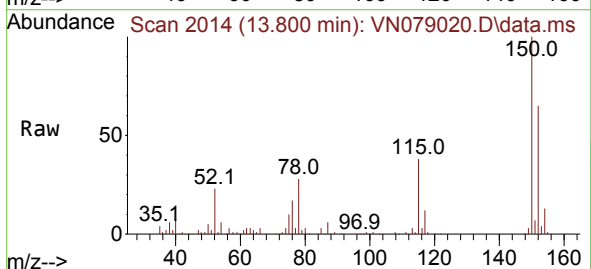
Instrument :
MSVOA_N
ClientSampleId :

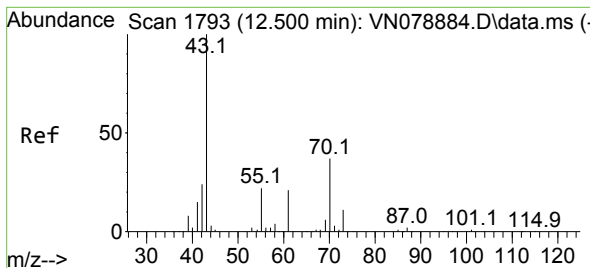
Tgt Ion:117 Resp: 312386
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 31.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Tgt Ion:152 Resp: 89178
Ion Ratio Lower Upper
152 100
115 60.6 32.3 96.8
150 153.1 0.0 355.8





#74

N-amy1 acetate

Concen: 0.434 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.006 min

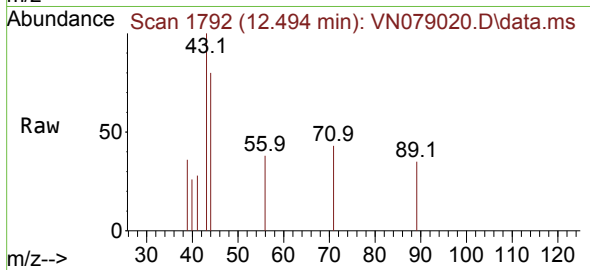
Lab File: VN079020.D

Acq: 23 Aug 2023 16:48

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1628

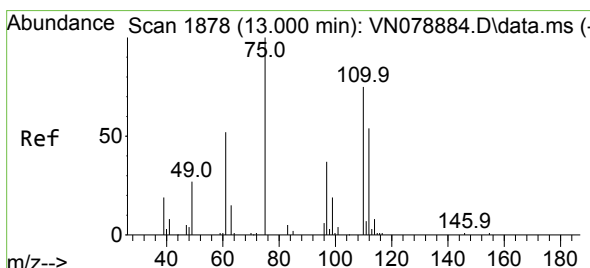
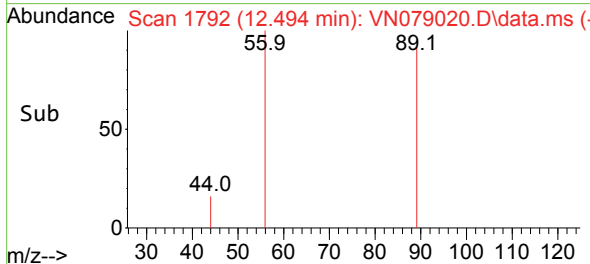
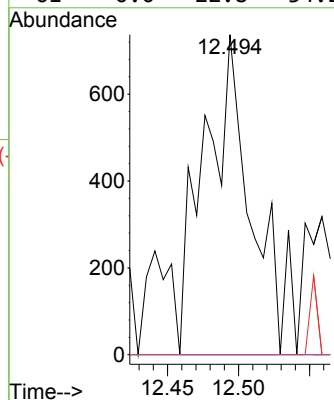
Ion Ratio Lower Upper

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: 29.686 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079020.D

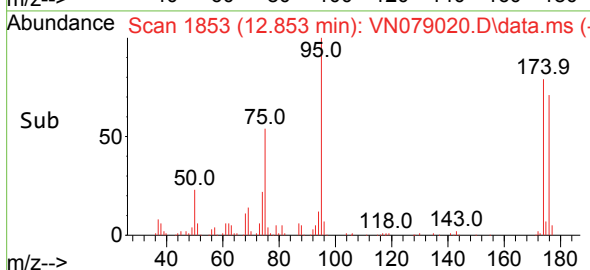
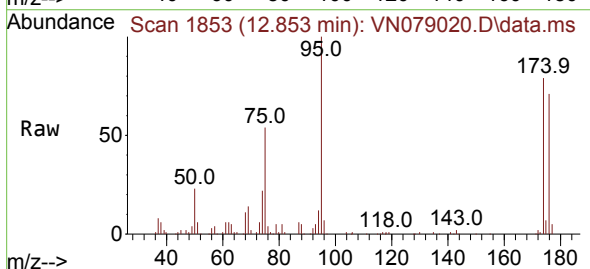
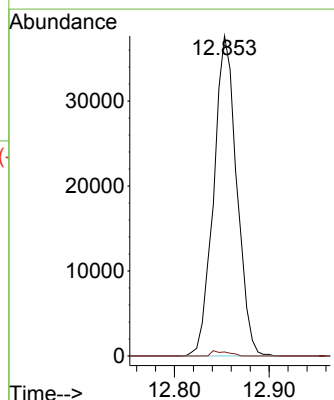
Acq: 23 Aug 2023 16:48

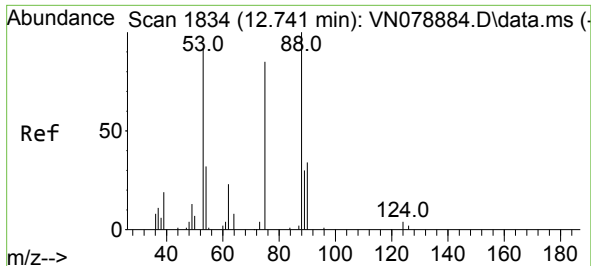
Tgt Ion: 75 Resp: 63788

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#

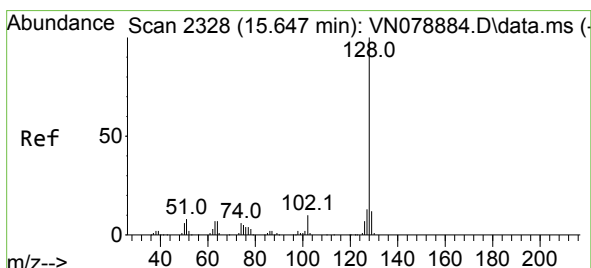
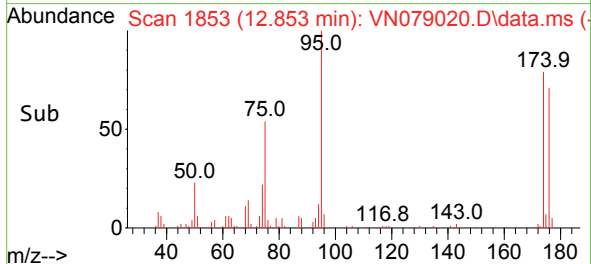
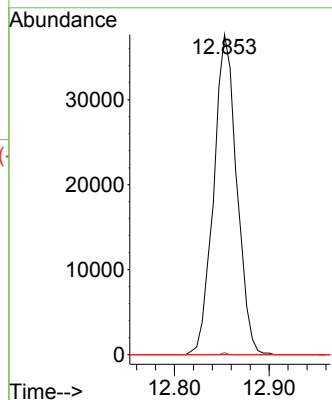
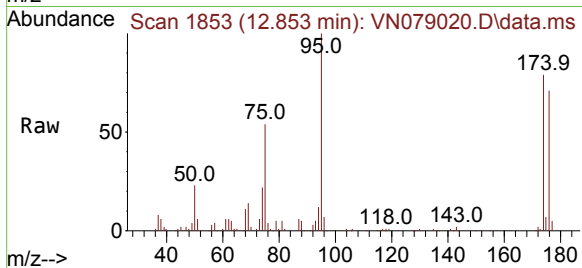




#81
trans-1,4-Dichloro-2-butene
Concen: 75.835 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 63788
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#95
Naphthalene
Concen: 2.637 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN079020.D
Acq: 23 Aug 2023 16:48

Tgt Ion:128 Resp: 272
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

