

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079100.D
 Acq On : 29 Aug 2023 17:43
 Operator : JC\MD
 Sample : PB155153ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 23:31:34 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	141950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	275226	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	276337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84912	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	117752	53.309	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.620%	
35) Dibromofluoromethane	8.171	113	95389	51.487	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.980%	
50) Toluene-d8	10.571	98	360547	52.412	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.820%	
62) 4-Bromofluorobenzene	12.853	95	107072	47.619	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.240%	

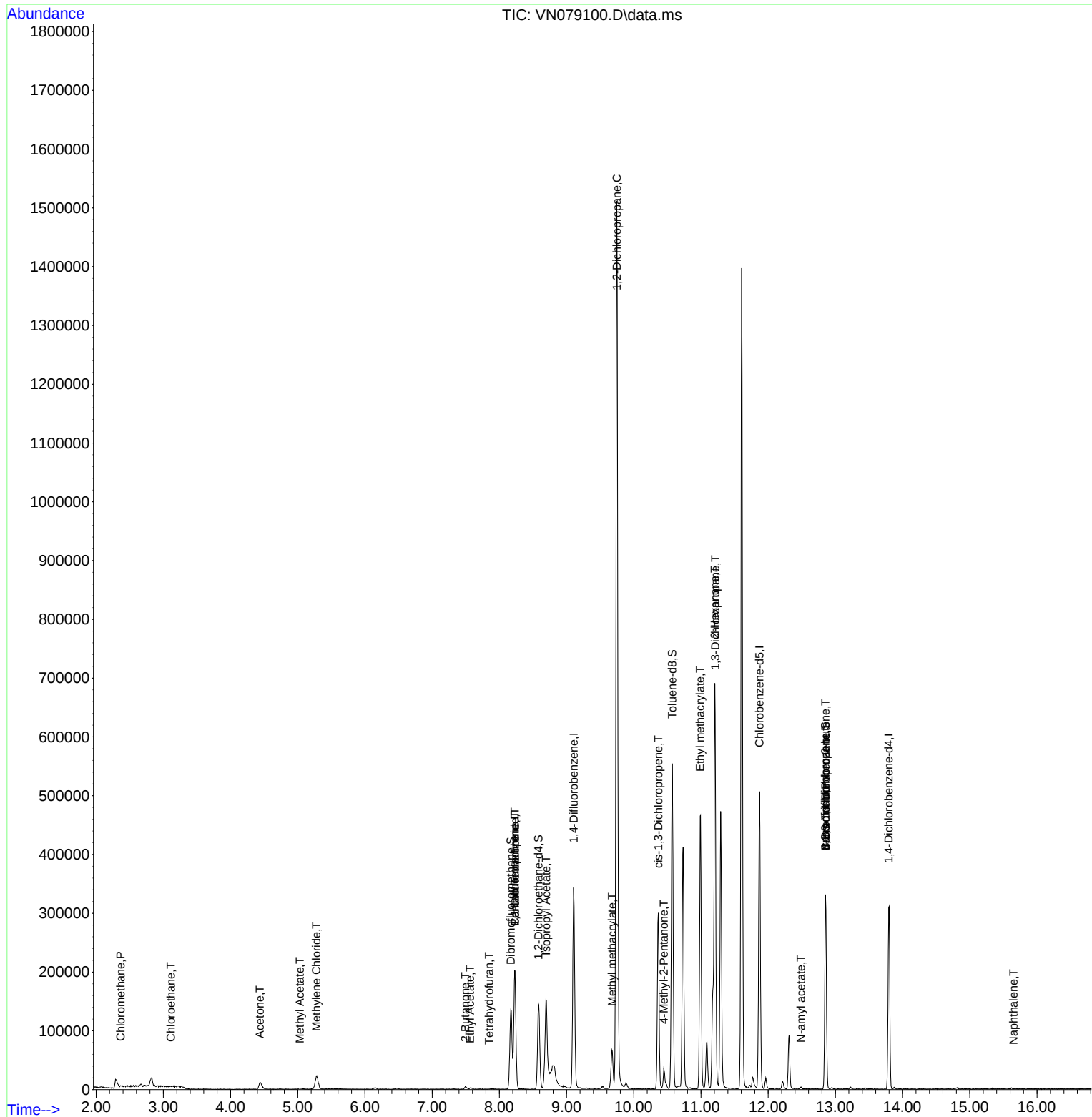
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	707	0.257	ug/l #	42
6) Chloroethane	3.112	64	526	0.312	ug/l #	83
16) Acetone	4.436	43	23504	25.789	ug/l	89
18) Methyl Acetate	5.030	43	2379	0.618	ug/l #	80
20) Methylene Chloride	5.277	84	16622	8.558	ug/l #	76
25) 2-Butanone	7.494	43	7180	4.914	ug/l #	74
29) Tetrahydrofuran	7.847	42	355	0.367	ug/l #	31
31) Cyclohexane	8.230	56	3954	Below Cal	#	27
36) 1,1-Dichloropropene	8.230	75	12626	4.530	ug/l #	49
37) Ethyl Acetate	7.565	43	5015	1.608	ug/l #	71
38) Carbon Tetrachloride	8.230	117	15111	5.411	ug/l #	16
43) Isopropyl Acetate	8.694	43	199300	36.162	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1763	0.804	ug/l #	45
48) Methyl methacrylate	9.677	41	4695	1.880	ug/l #	31
51) 4-Methyl-2-Pentanone	10.447	43	28095	8.595	ug/l #	73
54) cis-1,3-Dichloropropene	10.365	75	49090	14.150	ug/l #	70
56) Ethyl methacrylate	10.988	69	2351	0.748	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	6757	1.863	ug/l #	42
59) 2-Hexanone	11.206	43	98142	41.453	ug/l #	45
71) Bromoform	12.853	173	434	0.269	ug/l #	1
74) N-amyl acetate	12.488	43	1807	0.506	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	58358	28.523	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	58358	72.865	ug/l #	15
95) Naphthalene	15.653	128	58	2.589	ug/l #	70

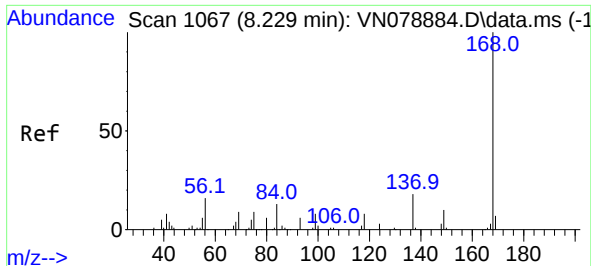
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 29 23:31:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration

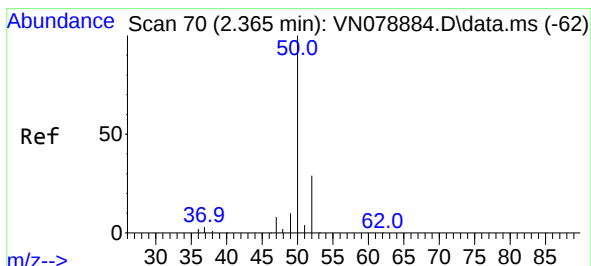
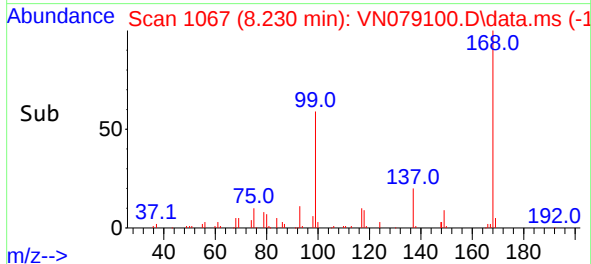
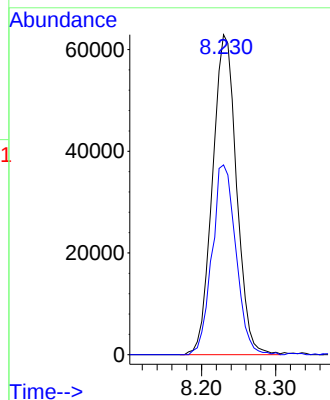
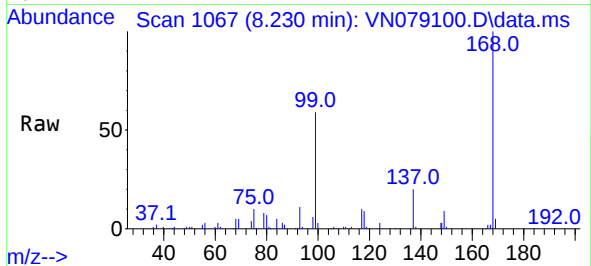




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

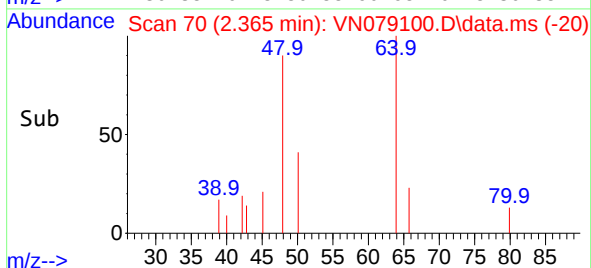
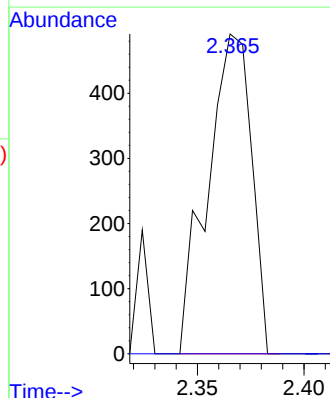
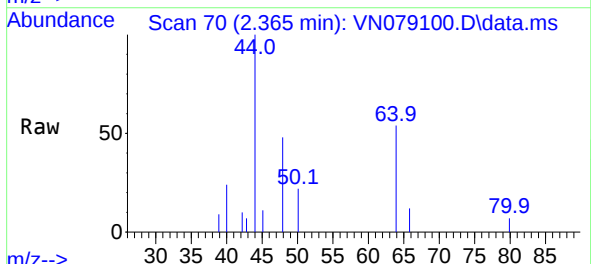
Instrument :
MSVOA_N
ClientSampleId :

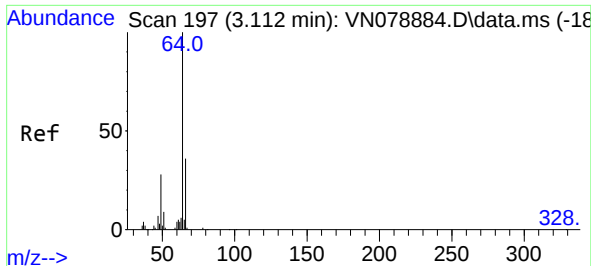
Tgt Ion:168 Resp: 141950
Ion Ratio Lower Upper
168 100
99 59.3 53.0 79.6



#3
Chloromethane
Concen: 0.257 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

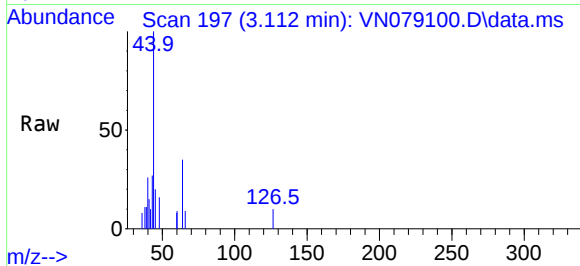
Tgt Ion: 50 Resp: 707
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



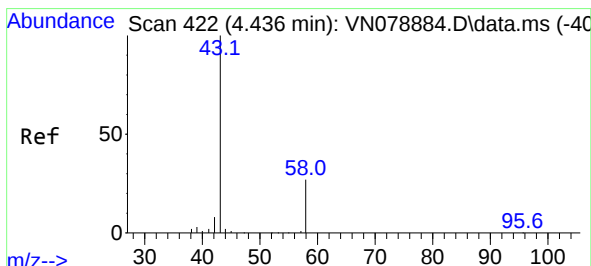
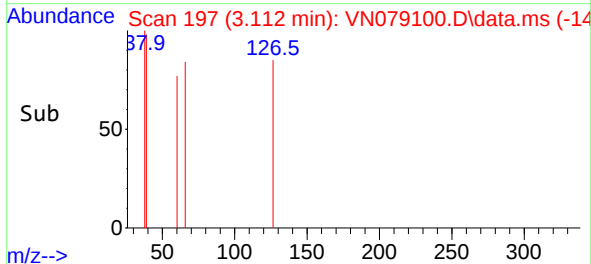
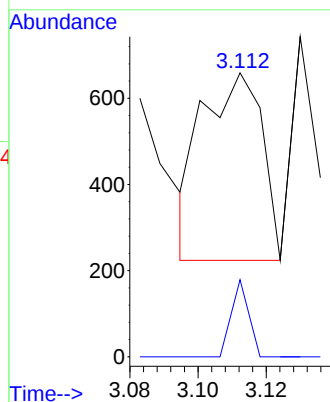


#6
Chloroethane
Concen: 0.312 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Instrument :
MSVOA_N
ClientSampleId :

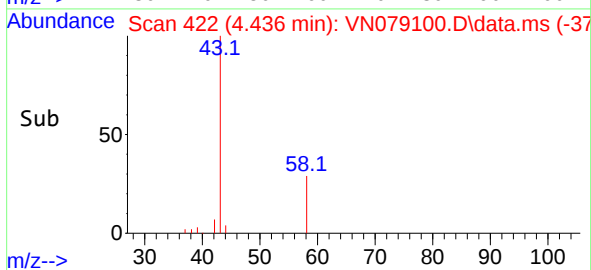
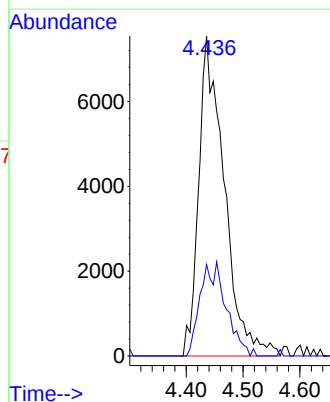
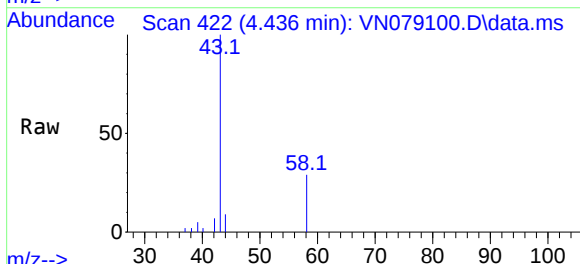


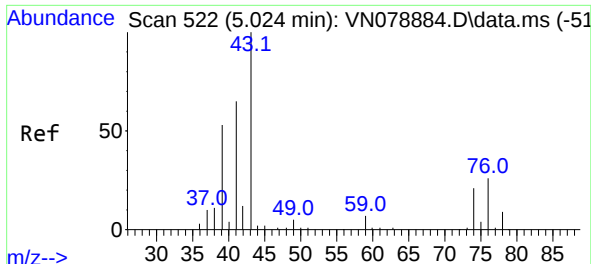
Tgt Ion: 64 Resp: 526
Ion Ratio Lower Upper
64 100
66 41.1 25.4 38.2#



#16
Acetone
Concen: 25.789 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Tgt Ion: 43 Resp: 23504
Ion Ratio Lower Upper
43 100
58 28.5 28.0 42.0

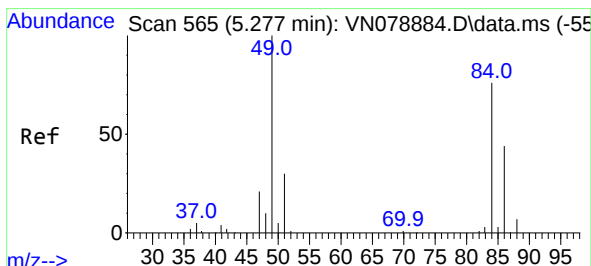
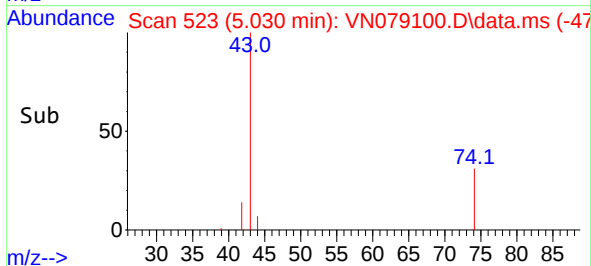
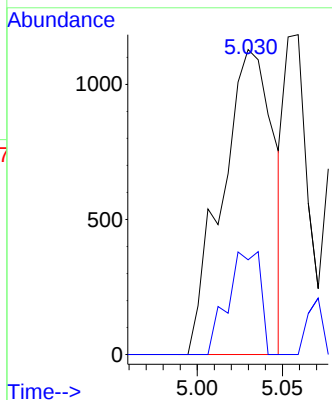
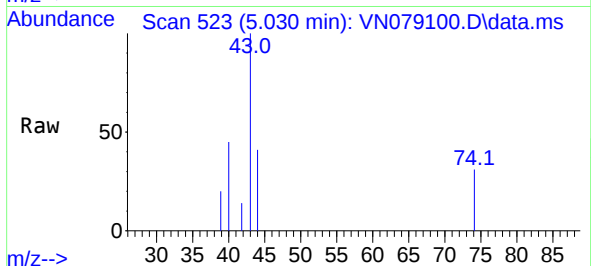




#18
Methyl Acetate
Concen: 0.618 ug/l
RT: 5.030 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

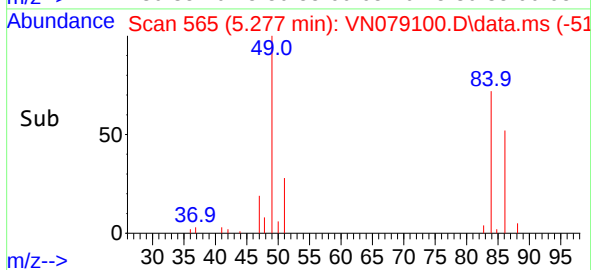
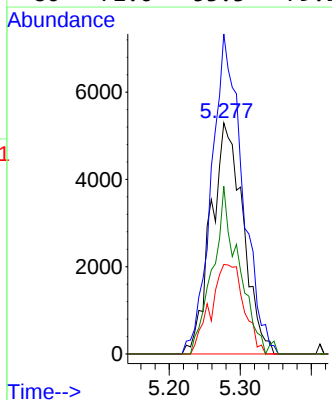
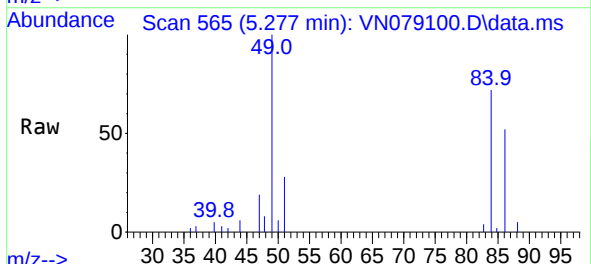
Instrument :
MSVOA_N
ClientSampleId :

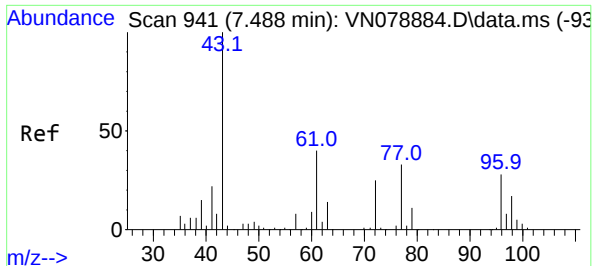
Tgt Ion: 43 Resp: 2379
Ion Ratio Lower Upper
43 100
74 21.4 26.2 39.4#



#20
Methylene Chloride
Concen: 8.558 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Tgt Ion: 84 Resp: 16622
Ion Ratio Lower Upper
84 100
49 138.5 79.7 119.5#
51 38.7 25.2 37.8#
86 72.6 53.3 79.9

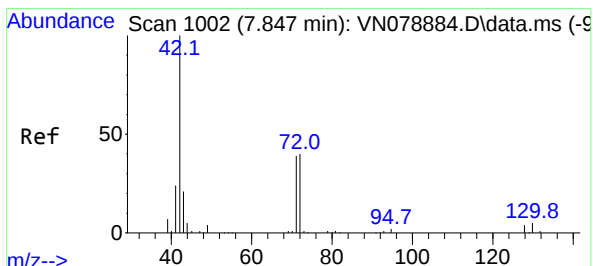
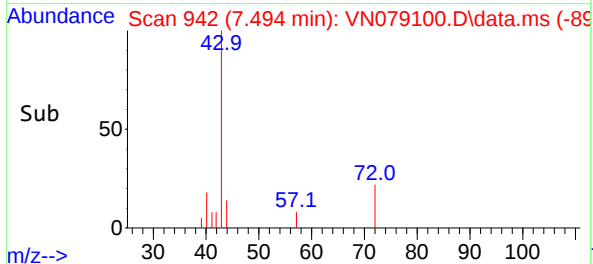
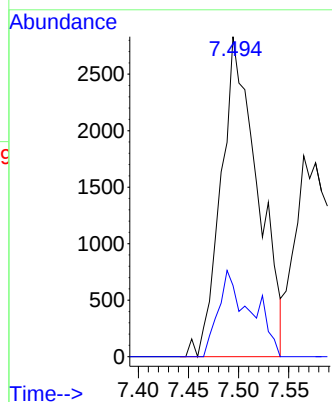
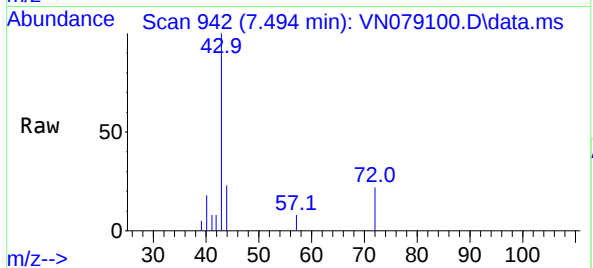




#25
2-Butanone
Concen: 4.914 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

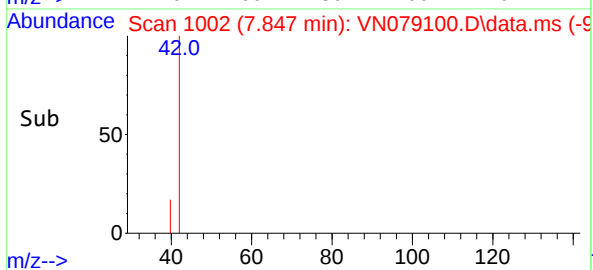
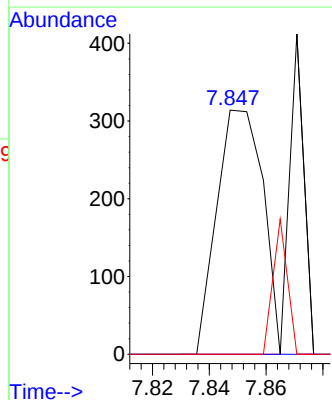
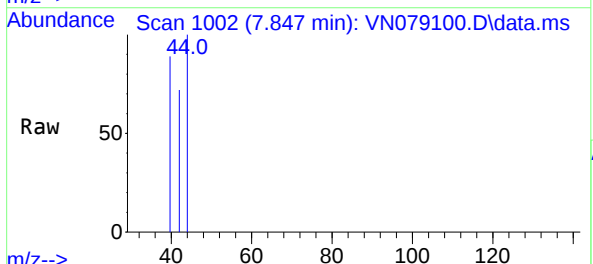
Instrument :
MSVOA_N
ClientSampleId :

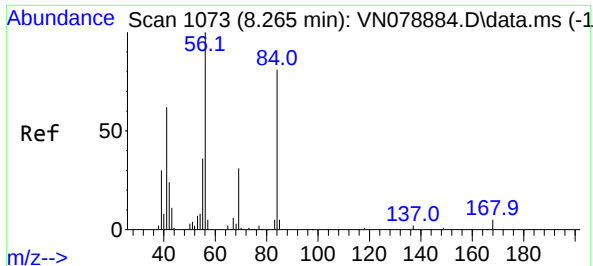
Tgt Ion: 43 Resp: 7180
Ion Ratio Lower Upper
43 100
72 22.2 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.367 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Tgt Ion: 42 Resp: 355
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 17.2 47.4 71.2#





#31

Cyclohexane

Concen: Below Cal

RT: 8.230 min Scan# 1

Delta R.T. -0.035 min

Lab File: VN079100.D

Acq: 29 Aug 2023 17:43

Instrument :

MSVOA_N

ClientSampleId :

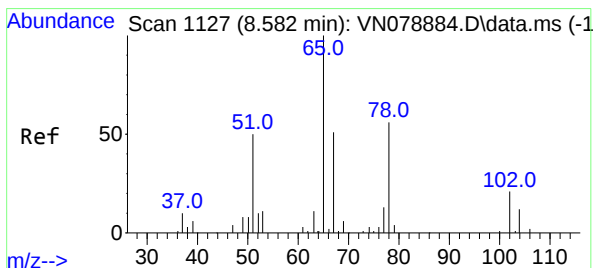
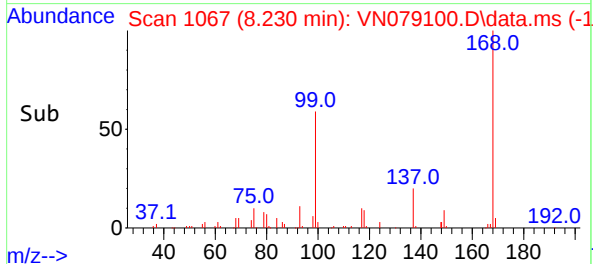
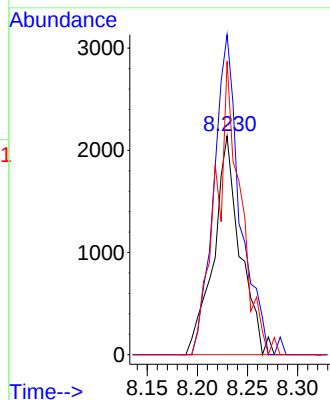
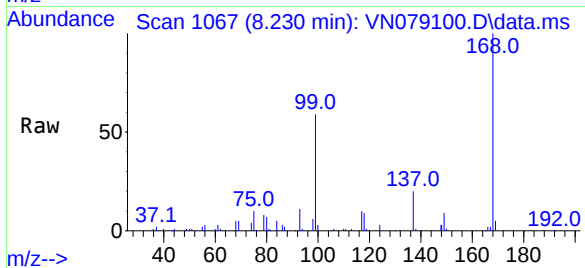
Tgt Ion: 56 Resp: 3954

Ion Ratio Lower Upper

56 100

69 146.3 26.8 40.2#

84 134.1 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 53.309 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079100.D

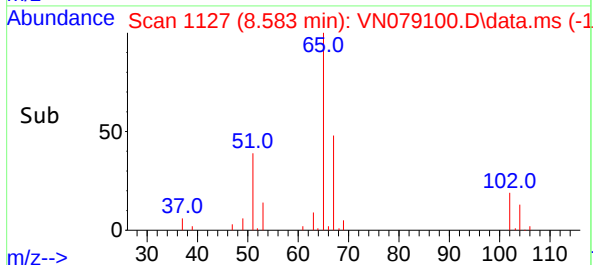
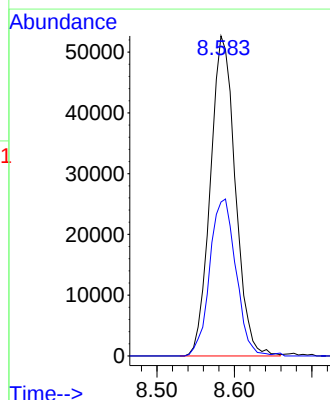
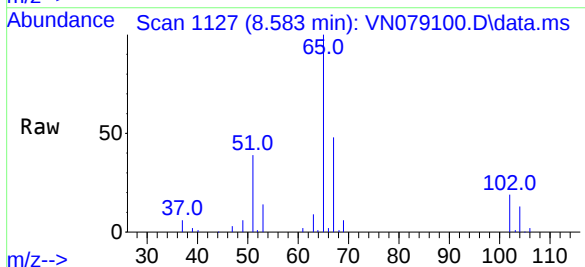
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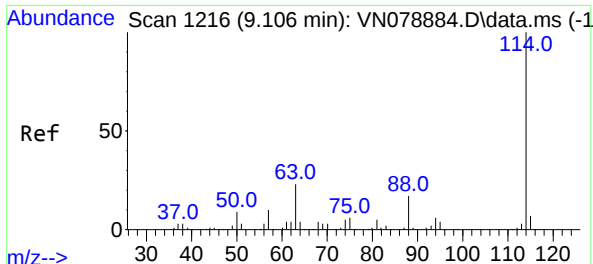
Tgt Ion: 65 Resp: 117752

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.6

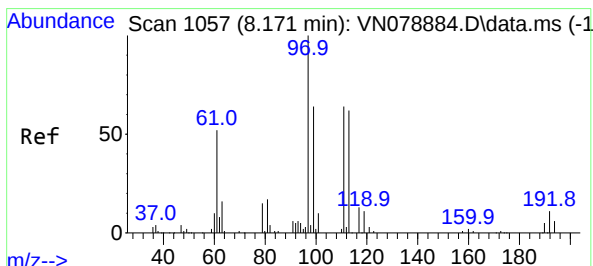
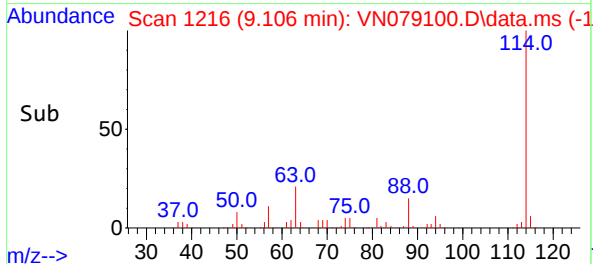
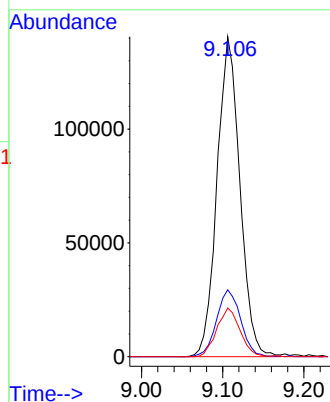
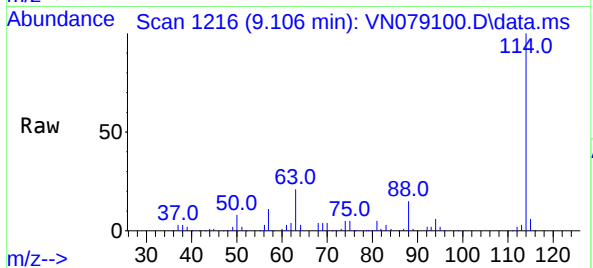




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

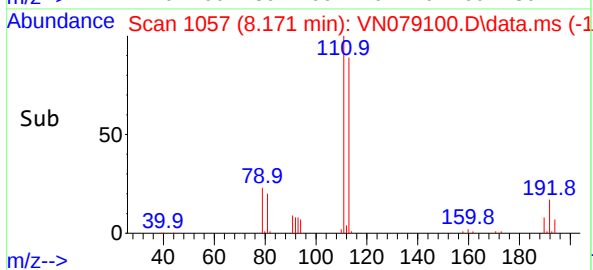
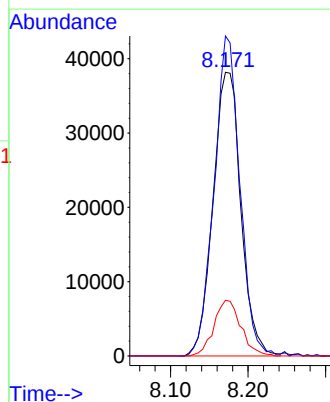
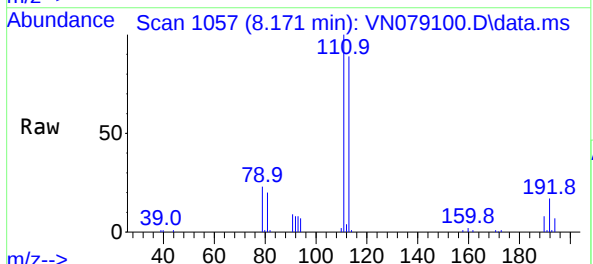
Instrument :
MSVOA_N
ClientSampleId :

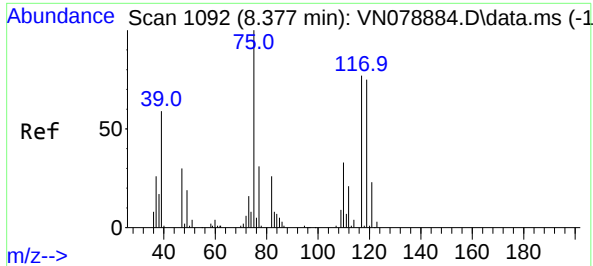
Tgt Ion:114 Resp: 275226
Ion Ratio Lower Upper
114 100
63 20.9 0.0 36.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.487 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

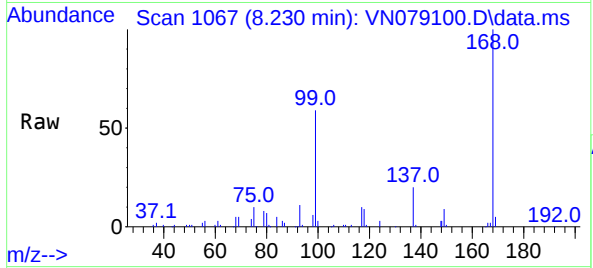
Tgt Ion:113 Resp: 95389
Ion Ratio Lower Upper
113 100
111 104.1 82.6 123.8
192 19.0 12.7 19.1





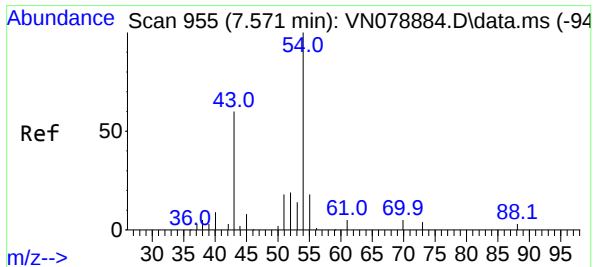
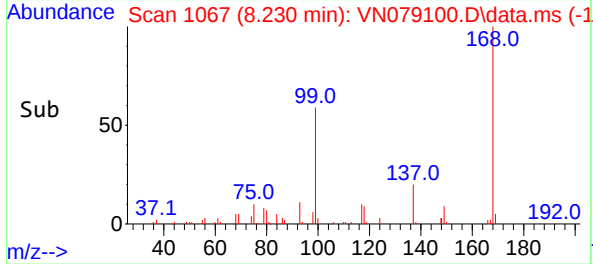
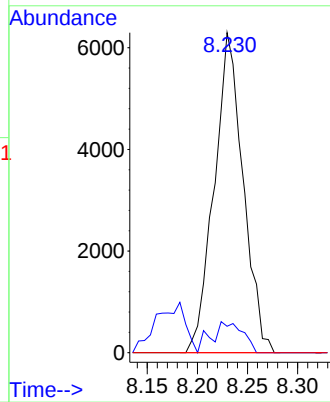
#36
1,1-Dichloropropene
Concen: 4.530 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 12626

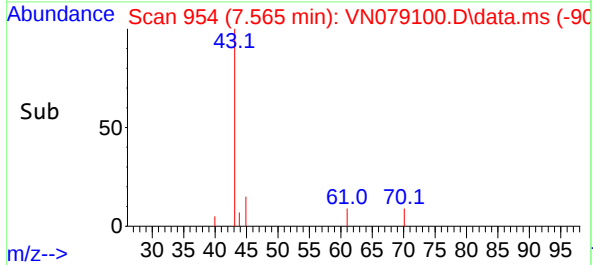
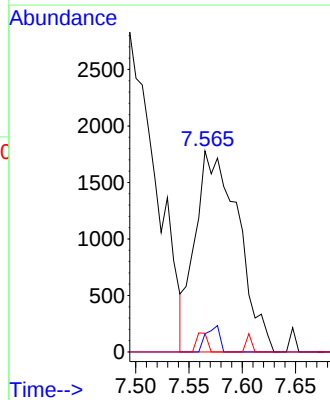
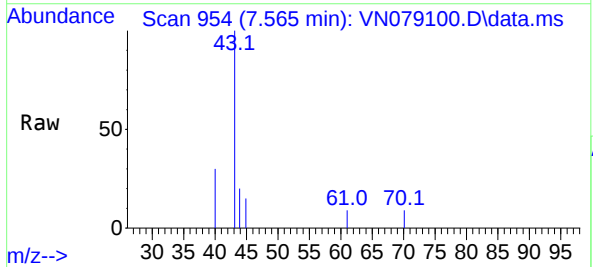
Ion	Ratio	Lower	Upper
75	100		
110	10.3	19.1	57.3#
77	0.0	25.0	37.4#

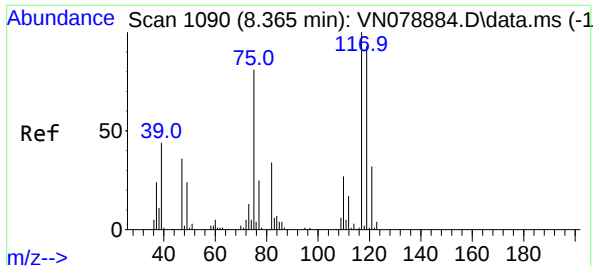


#37
Ethyl Acetate
Concen: 1.608 ug/l
RT: 7.565 min Scan# 954
Delta R.T. -0.006 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Tgt Ion: 43 Resp: 5015

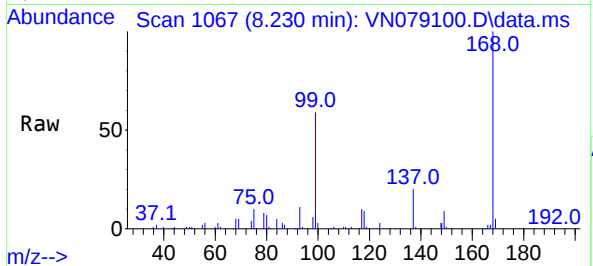
Ion	Ratio	Lower	Upper
43	100		
61	4.1	13.2	19.8#
70	2.4	11.3	16.9#



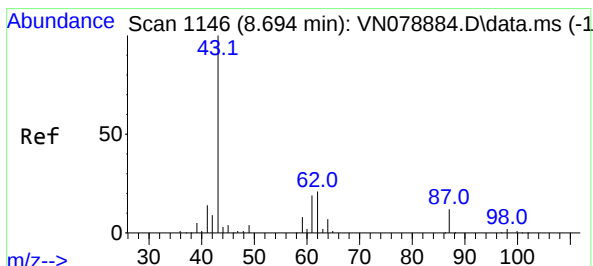
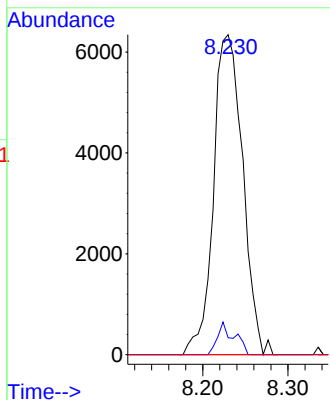
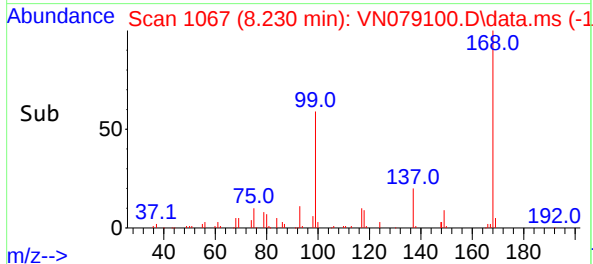


#38
Carbon Tetrachloride
Concen: 5.411 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Instrument :
MSVOA_N
ClientSampleId :

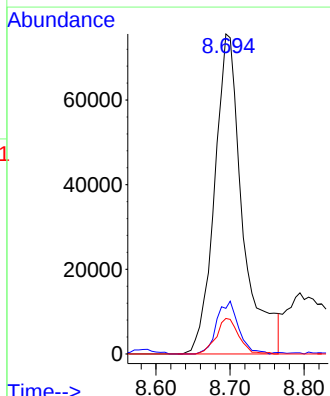
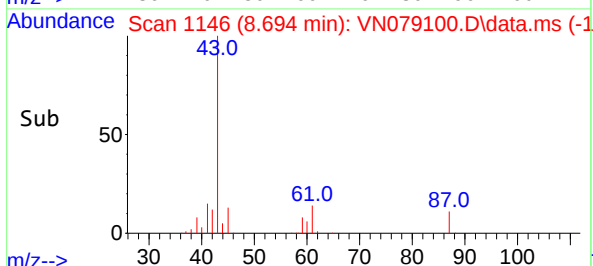
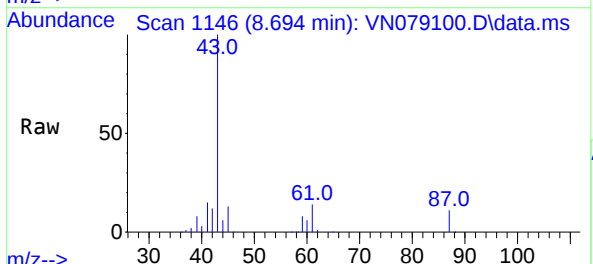


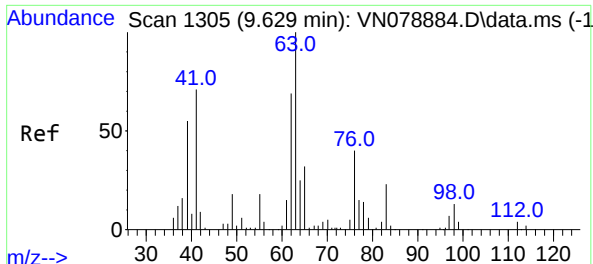
Tgt Ion:117 Resp: 15111
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 36.162 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Tgt Ion: 43 Resp: 199300
Ion Ratio Lower Upper
43 100
61 12.9 24.7 37.1#
87 8.9 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.804 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN079100.D

Acq: 29 Aug 2023 17:43

Instrument :

MSVOA_N

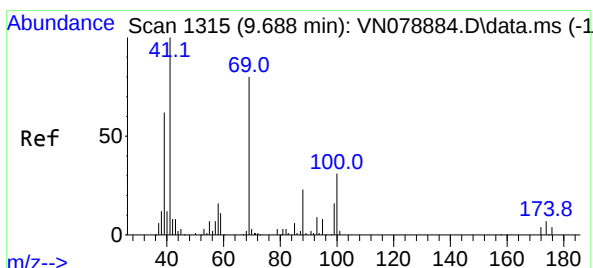
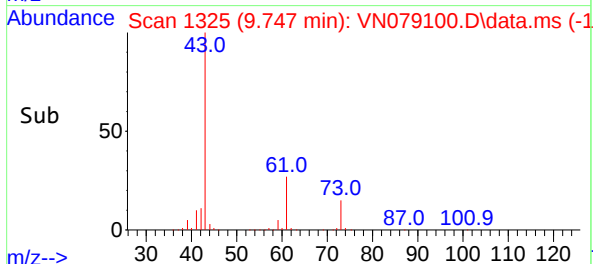
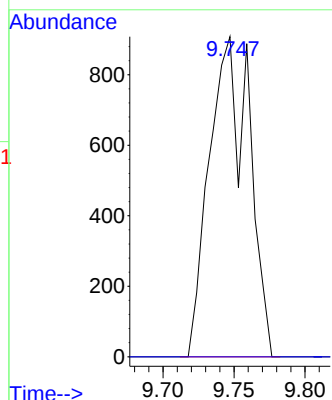
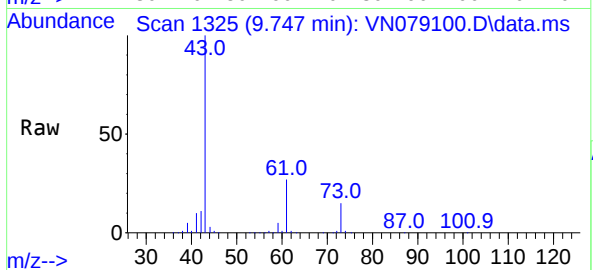
ClientSampleId :

Tgt Ion: 63 Resp: 1763

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.880 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.011 min

Lab File: VN079100.D

Acq: 29 Aug 2023 17:43

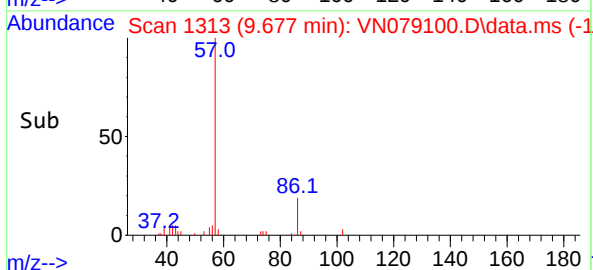
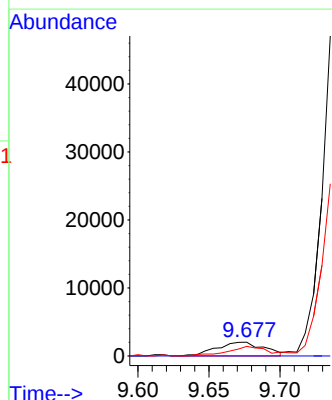
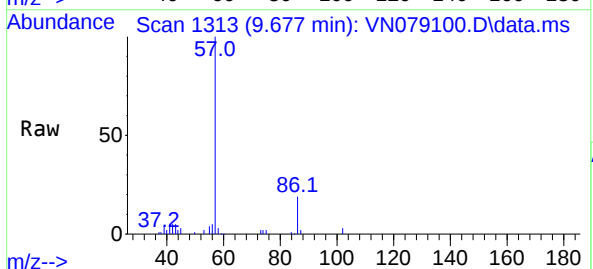
Tgt Ion: 41 Resp: 4695

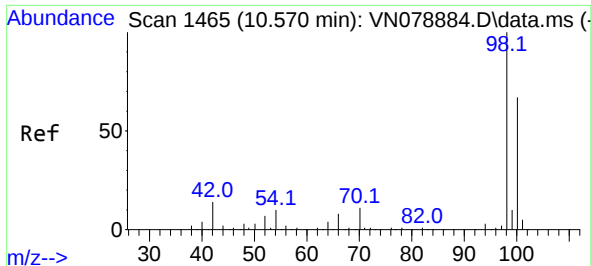
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 61.3 54.6 81.8

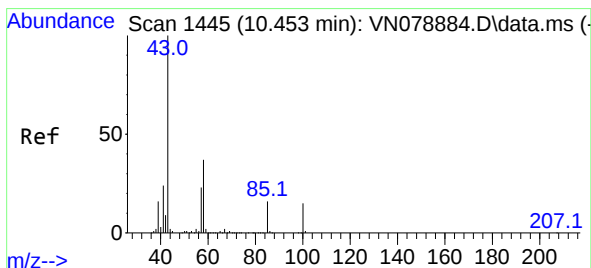
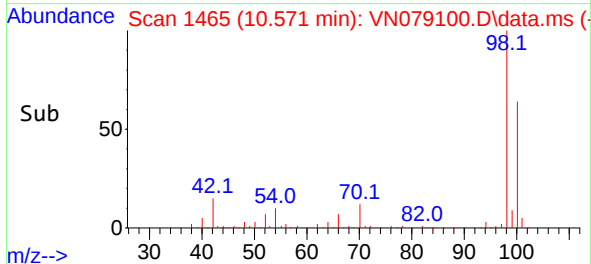
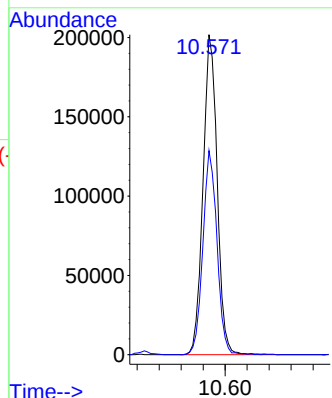
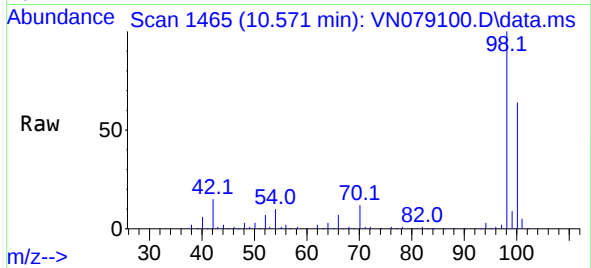




#50
Toluene-d8
Concen: 52.412 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

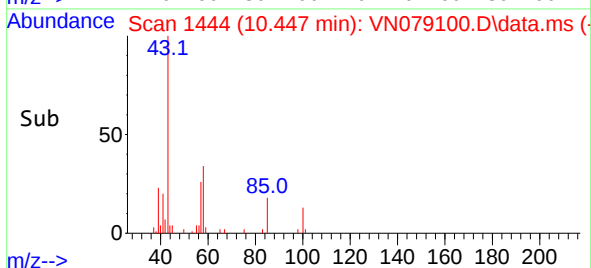
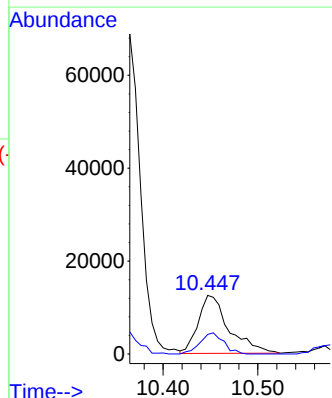
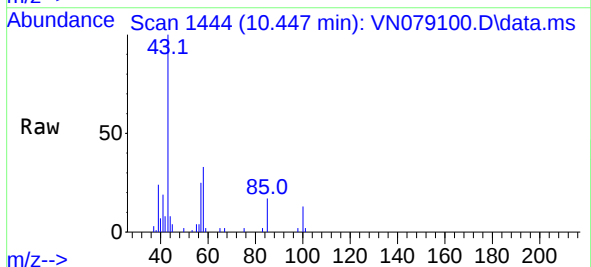
Instrument :
MSVOA_N
ClientSampleId :

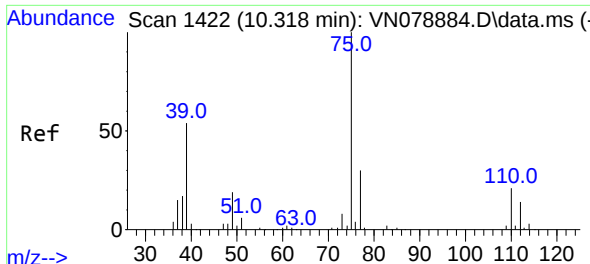
Tgt Ion: 98 Resp: 360547
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 8.595 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Tgt Ion: 43 Resp: 28095
Ion Ratio Lower Upper
43 100
58 28.0 36.6 54.8#

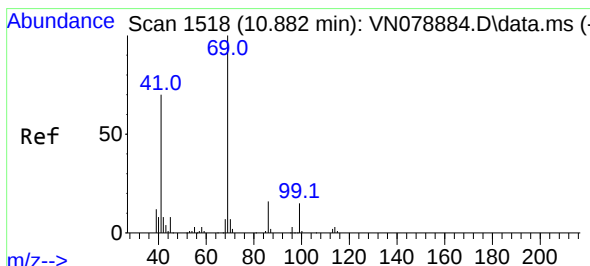
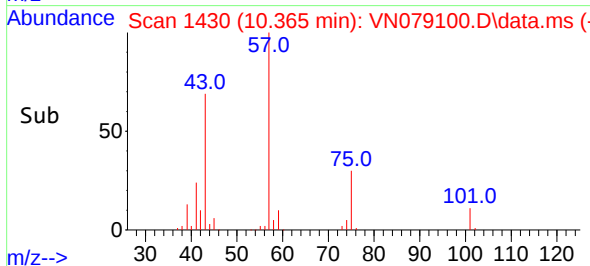
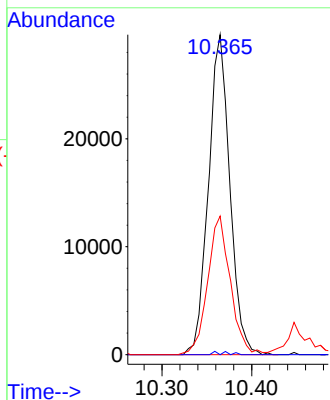
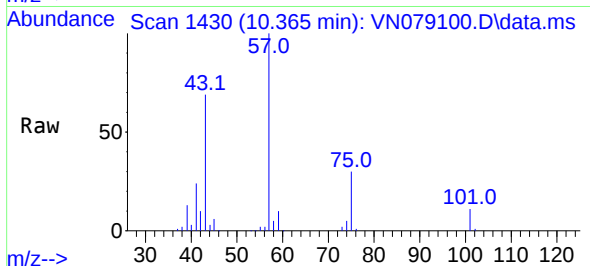




#54
cis-1,3-Dichloropropene
Concen: 14.150 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

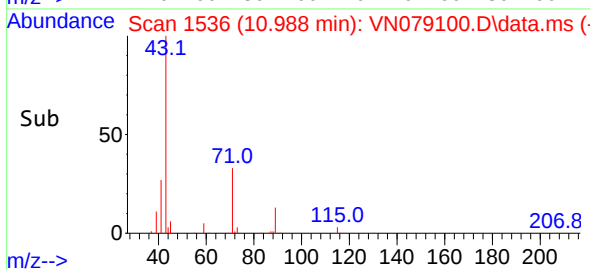
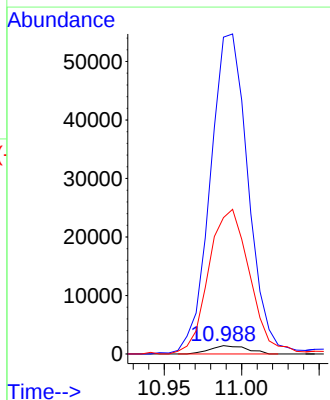
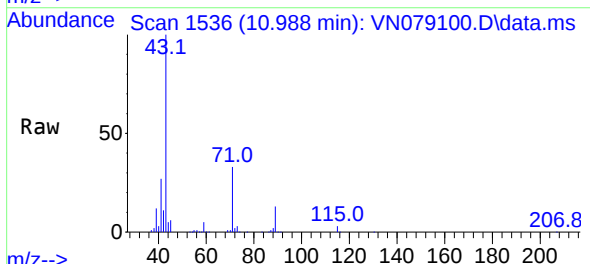
Instrument :
MSVOA_N
ClientSampleId :

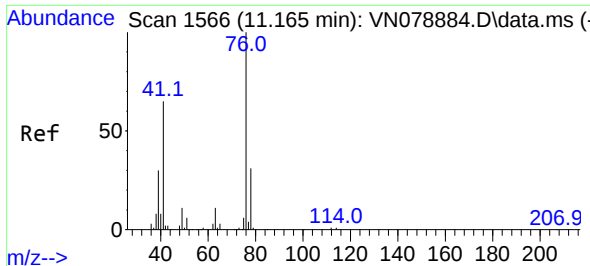
Tgt Ion: 75 Resp: 49090
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 43.3 31.6 47.4



#56
Ethyl methacrylate
Concen: 0.748 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

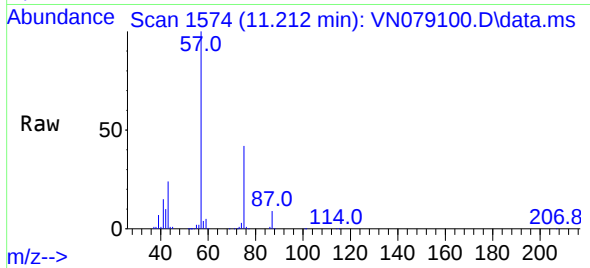
Tgt Ion: 69 Resp: 2351
Ion Ratio Lower Upper
69 100
41 3972.6 39.6 59.4#
39 1945.2 28.6 43.0#



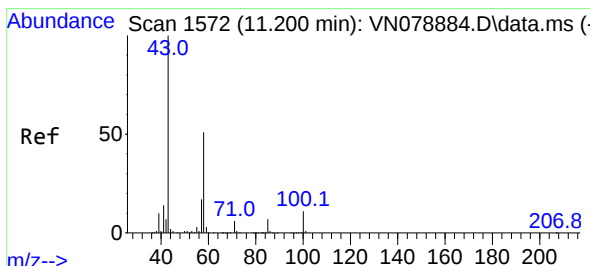
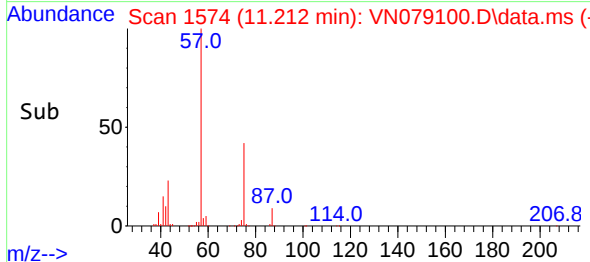
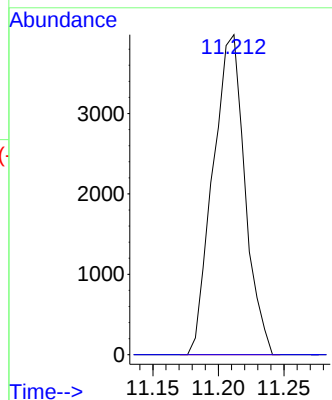


#57
1,3-Dichloropropane
Concen: 1.863 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.047 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Instrument :
MSVOA_N
ClientSampleId :

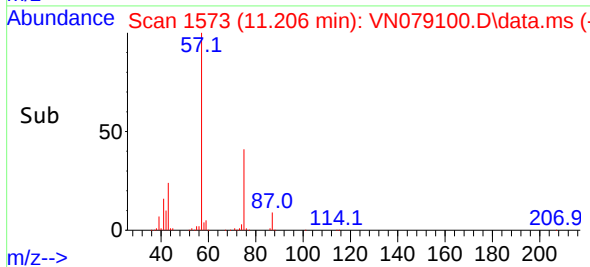
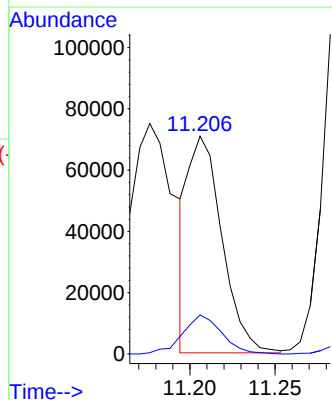
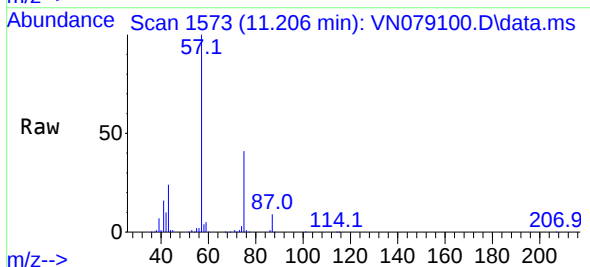


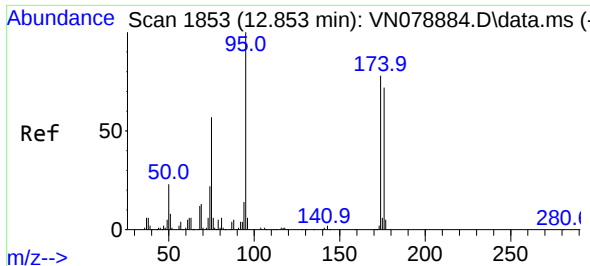
Tgt Ion: 76 Resp: 6757
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 41.453 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

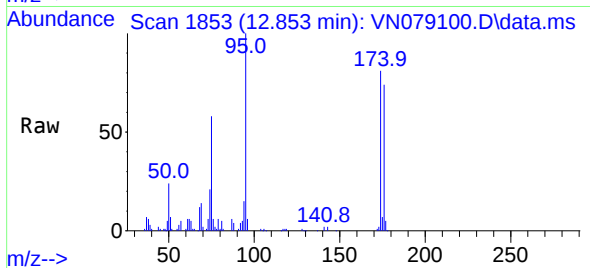
Tgt Ion: 43 Resp: 98142
Ion Ratio Lower Upper
43 100
58 20.6 31.7 95.1#



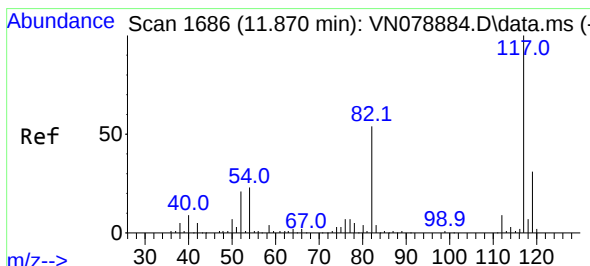
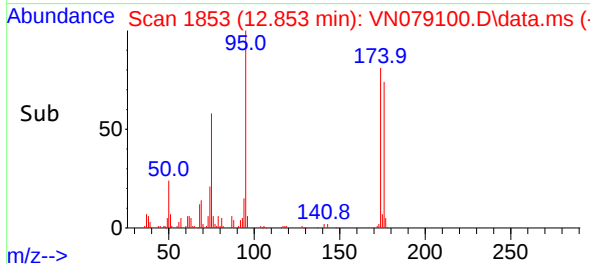
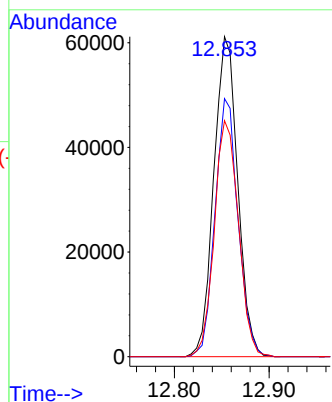


#62
4-Bromofluorobenzene
Concen: 47.619 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Instrument :
MSVOA_N
ClientSampleId :

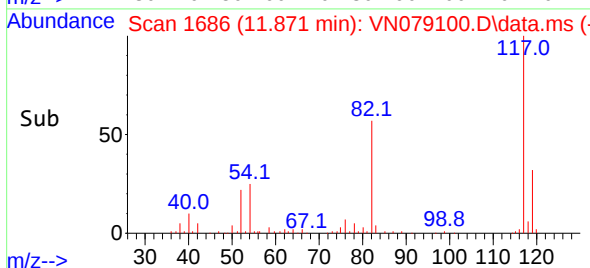
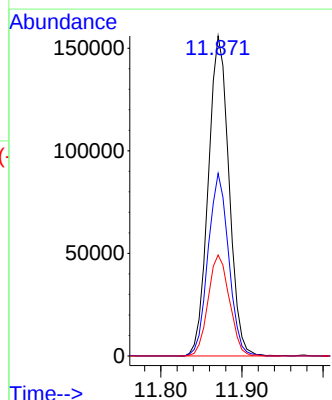
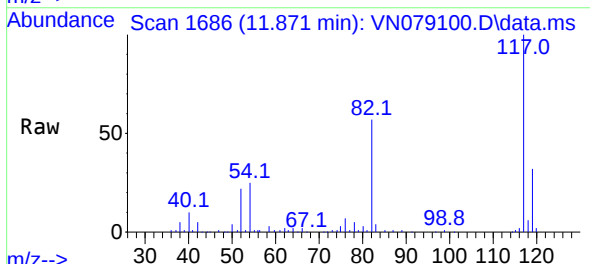


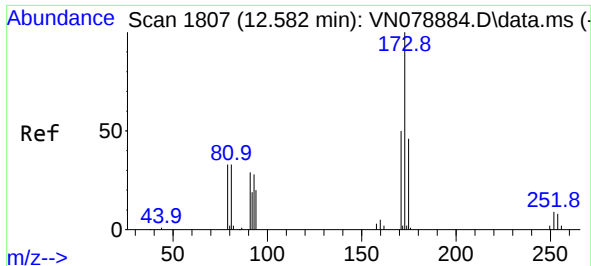
Tgt Ion: 95 Resp: 107072
Ion Ratio Lower Upper
95 100
174 77.9 0.0 143.8
176 74.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Tgt Ion: 117 Resp: 276337
Ion Ratio Lower Upper
117 100
82 57.1 44.0 66.0
119 31.6 25.6 38.4

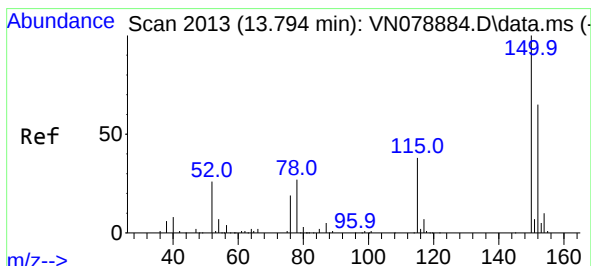
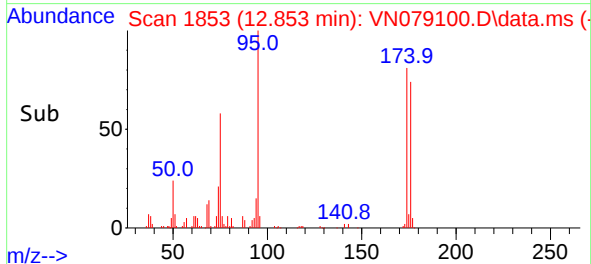
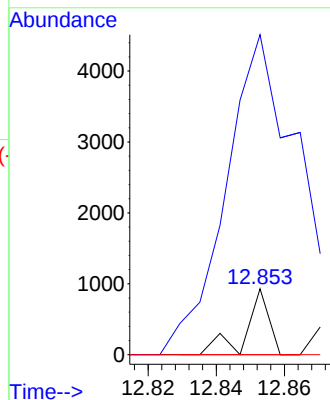
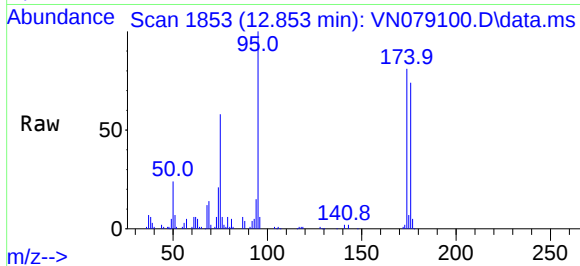




#71
Bromoform
Concen: 0.269 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

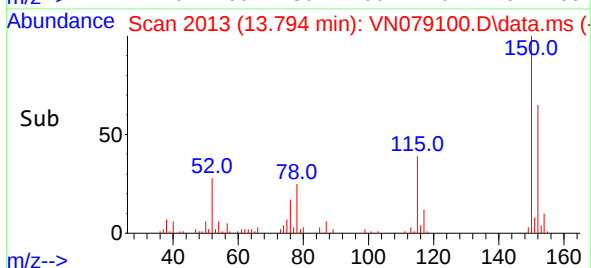
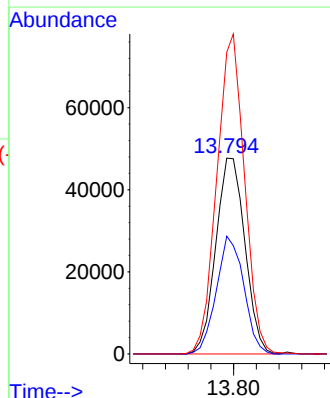
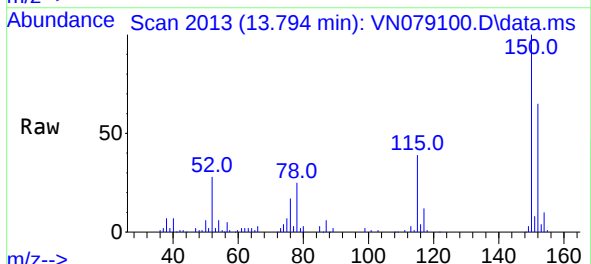
Instrument :
MSVOA_N
ClientSampleId :

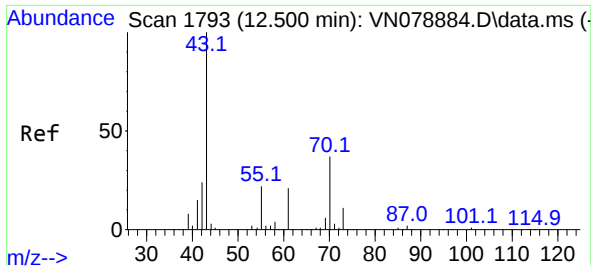
Tgt Ion:173 Resp: 434
Ion Ratio Lower Upper
173 100
175 1152.3 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

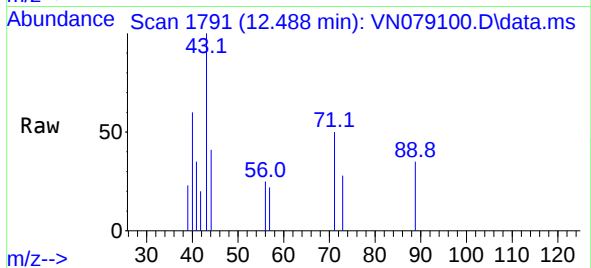
Tgt Ion:152 Resp: 84912
Ion Ratio Lower Upper
152 100
115 56.6 32.3 96.8
150 155.4 0.0 355.8





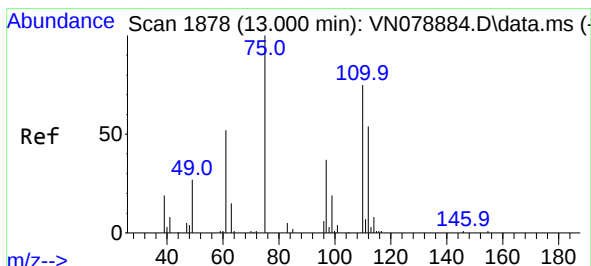
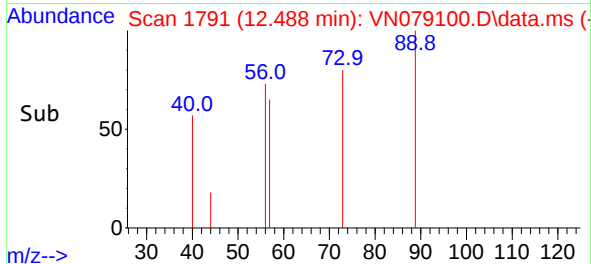
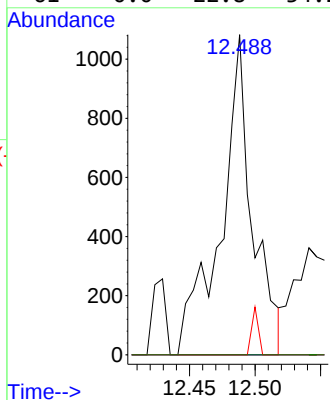
#74
N-amy1 acetate
Concen: 0.506 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 1807

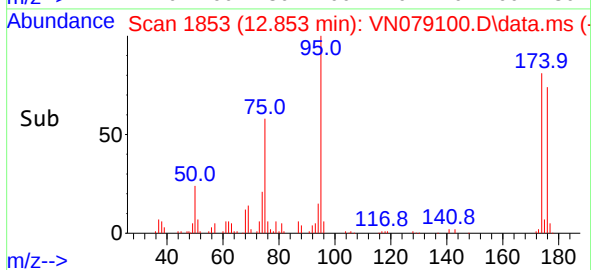
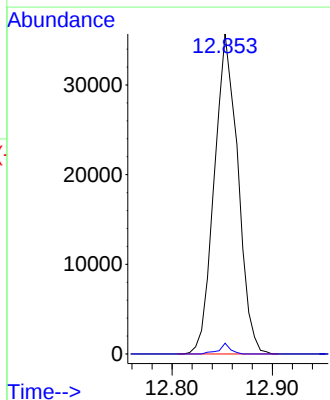
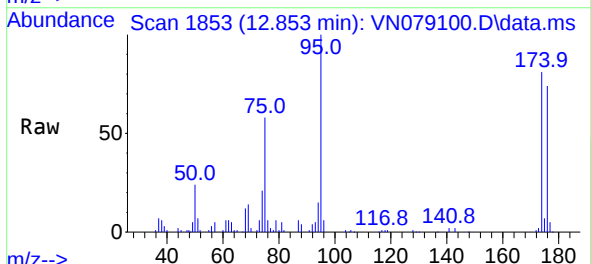
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	3.2	21.4	32.0#
61	0.0	22.8	34.2#

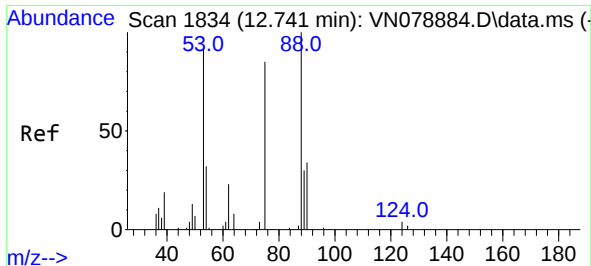


#76
1,2,3-Trichloropropane
Concen: 28.523 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

Tgt Ion: 75 Resp: 58358

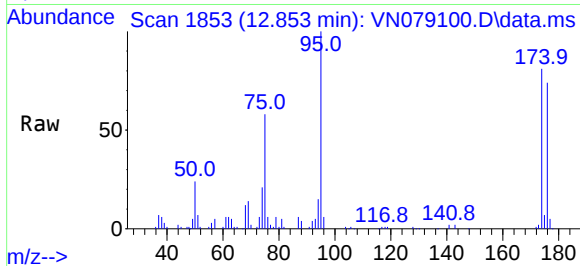
Ion	Ratio	Lower	Upper
75	100		
77	1.6	84.5	253.5#



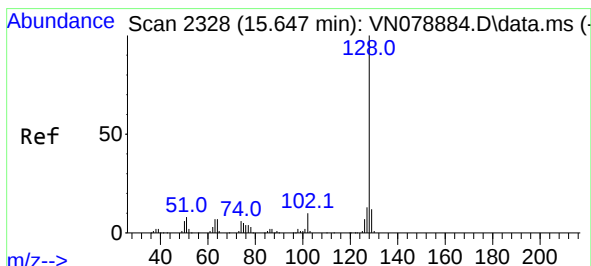
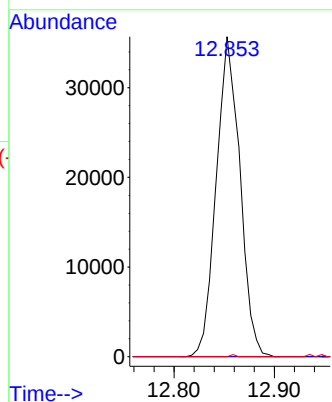
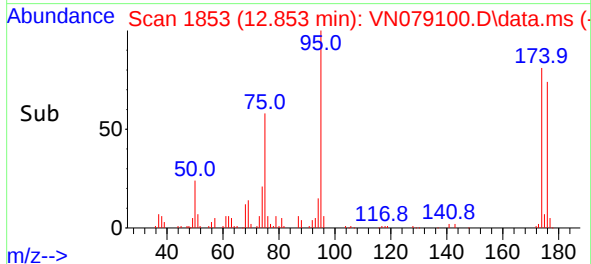


#81
trans-1,4-Dichloro-2-butene
Concen: 72.865 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43

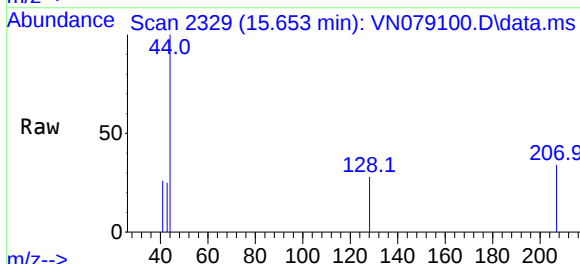
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 58358
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#95
Naphthalene
Concen: 2.589 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN079100.D
Acq: 29 Aug 2023 17:43



Tgt Ion: 128 Resp: 58
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

