

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079101.D
 Acq On : 29 Aug 2023 18:07
 Operator : JC\MD
 Sample : PB155153ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 23:31:47 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)

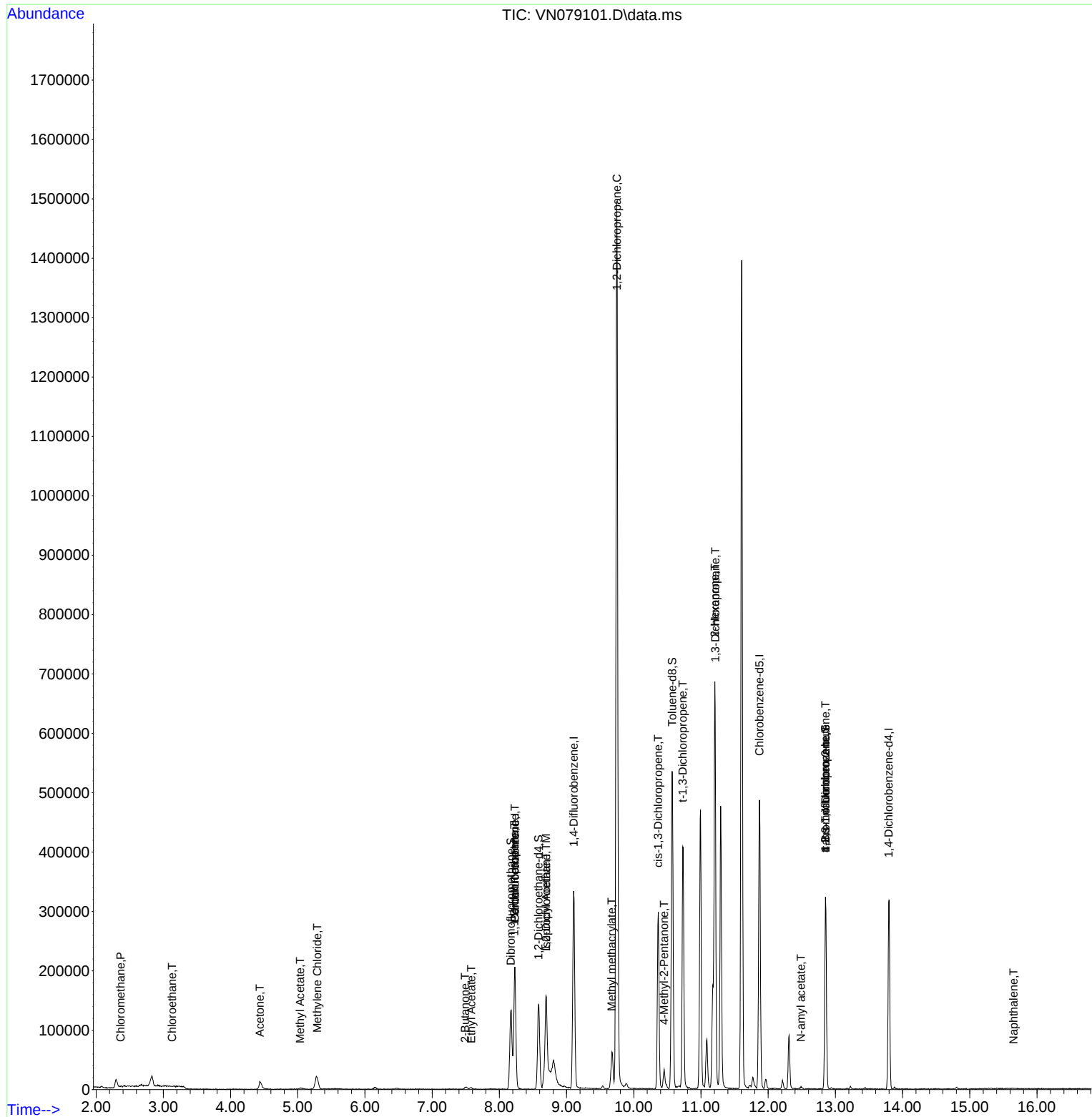
Internal Standards						
1) Pentafluorobenzene	8.230	168	140277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	278424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	276294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	80730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	116372	53.312	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.620%			
35) Dibromofluoromethane	8.171	113	95235	50.814	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.620%			
50) Toluene-d8	10.571	98	363267	52.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.400%			
62) 4-Bromofluorobenzene	12.853	95	106239	46.706	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.420%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	709	0.261	ug/l #	42
6) Chloroethane	3.130	64	745	0.447	ug/l #	43
16) Acetone	4.436	43	23348	25.923	ug/l	93
18) Methyl Acetate	5.036	43	3386	0.890	ug/l #	88
20) Methylene Chloride	5.289	84	16125	8.401	ug/l #	86
25) 2-Butanone	7.489	43	7063	4.891	ug/l #	67
31) Cyclohexane	8.236	56	3789	Below Cal	#	32
36) 1,1-Dichloropropene	8.224	75	12296	4.361	ug/l #	50
37) Ethyl Acetate	7.583	43	5081	1.611	ug/l #	69
38) Carbon Tetrachloride	8.230	117	14551	5.151	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	795	0.255	ug/l #	73
43) Isopropyl Acetate	8.694	43	208995	37.486	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1848	0.833	ug/l #	45
48) Methyl methacrylate	9.671	41	4737	1.875	ug/l #	34
51) 4-Methyl-2-Pentanone	10.453	43	27913	8.441	ug/l #	75
53) t-1,3-Dichloropropene	10.729	75	1060	0.329	ug/l #	35
54) cis-1,3-Dichloropropene	10.365	75	49514	14.108	ug/l #	74
57) 1,3-Dichloropropane	11.212	76	7014	1.912	ug/l #	42
59) 2-Hexanone	11.206	43	94759	39.564	ug/l #	45
74) N-amyl acetate	12.488	43	1562	0.460	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	60131	30.912	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	60131	78.968	ug/l #	15
95) Naphthalene	15.653	128	315	2.655	ug/l #	70

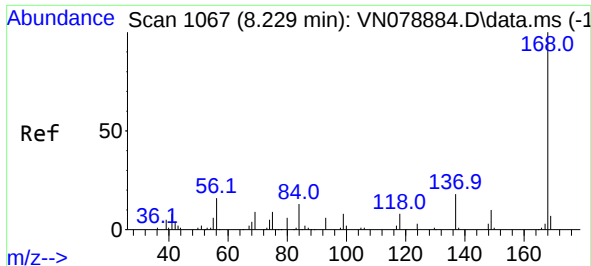
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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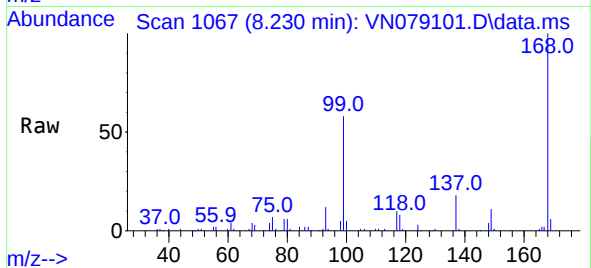
Quant Time: Aug 29 23:31:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
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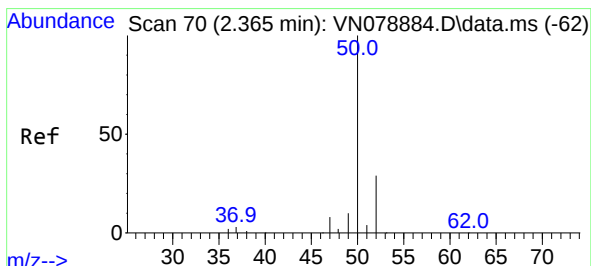
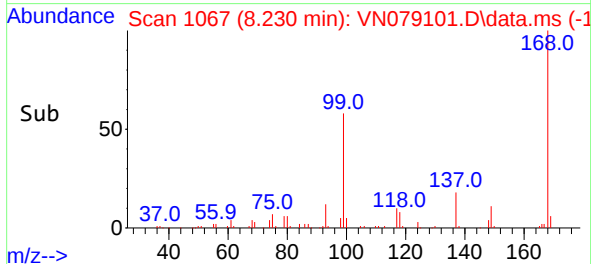
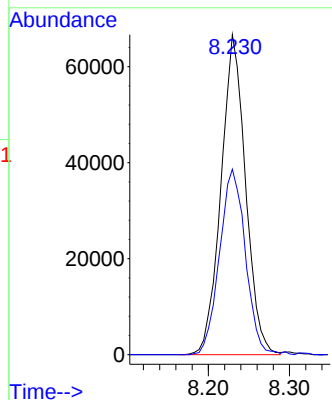


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :

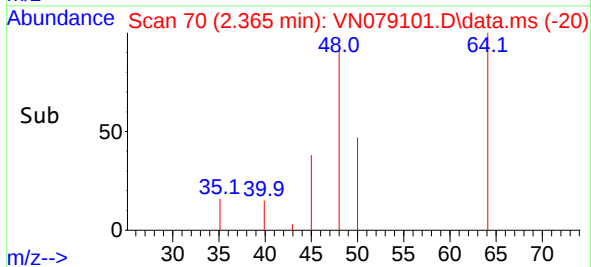
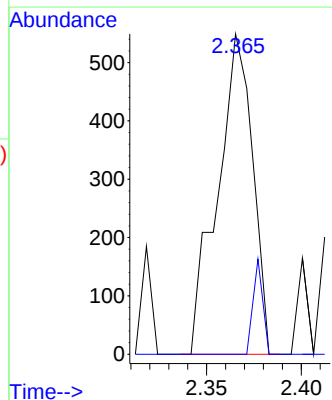
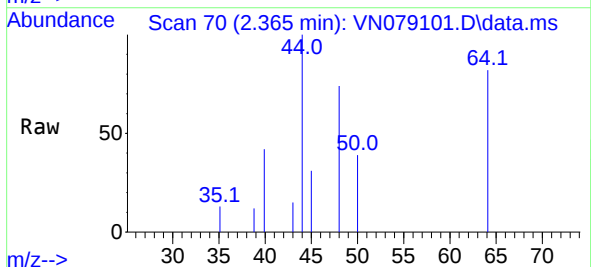


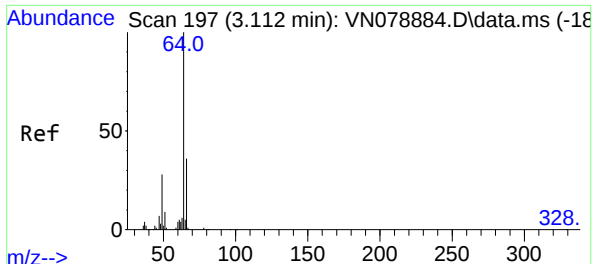
Tgt Ion:168 Resp: 140277
Ion Ratio Lower Upper
168 100
99 58.0 53.0 79.6



#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

Tgt Ion: 50 Resp: 709
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

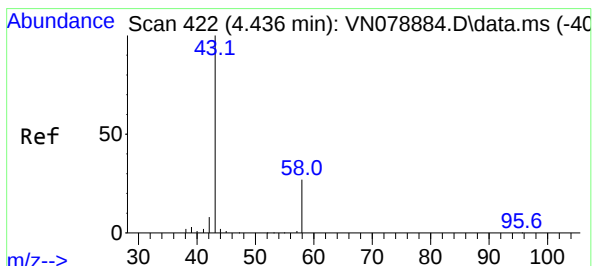
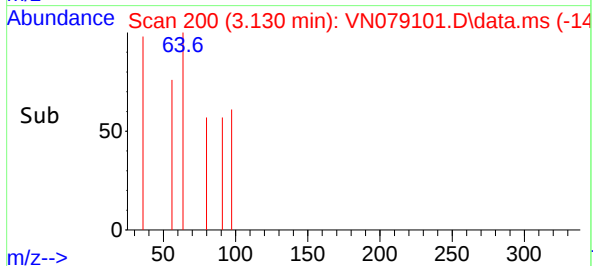
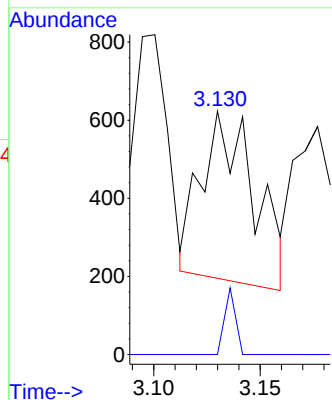
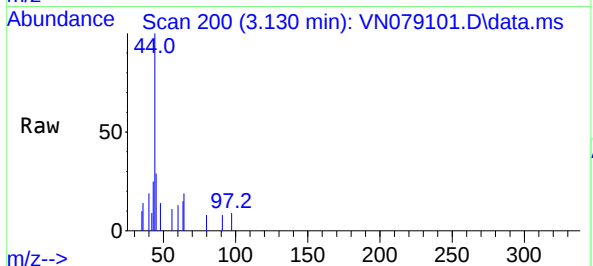




#6
Chloroethane
Concen: 0.447 ug/l
RT: 3.130 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

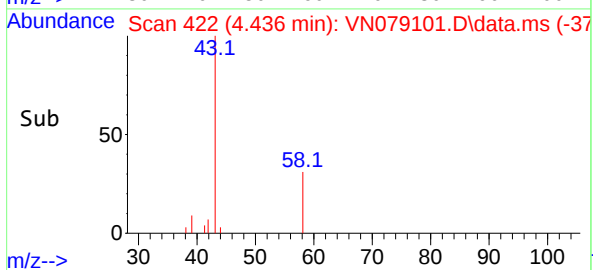
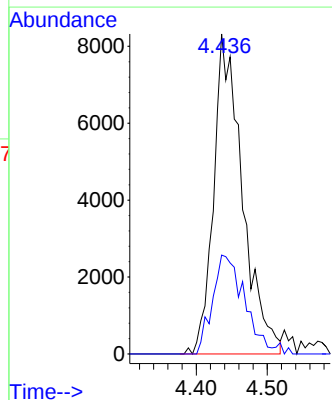
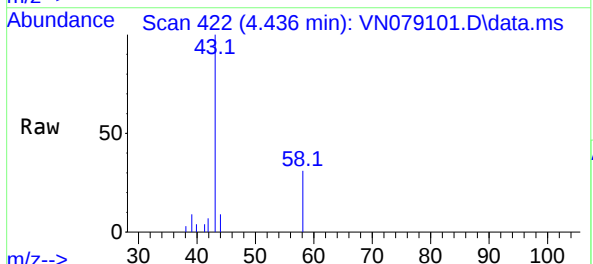
Instrument :
MSVOA_N
ClientSampleId :

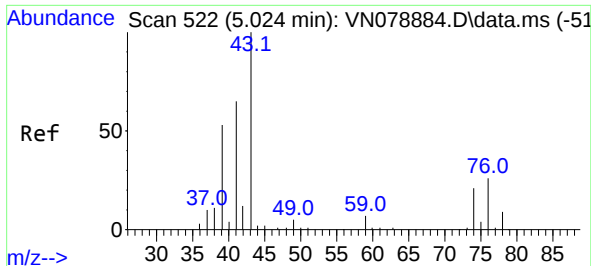
Tgt Ion: 64 Resp: 745
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 25.923 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

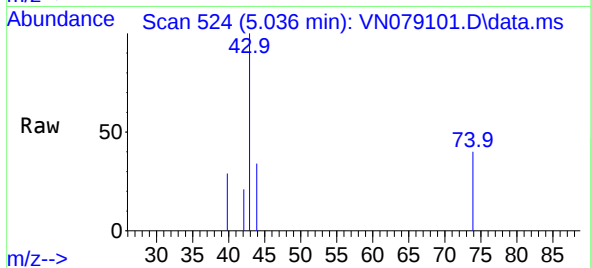
Tgt Ion: 43 Resp: 23348
Ion Ratio Lower Upper
43 100
58 30.9 28.0 42.0



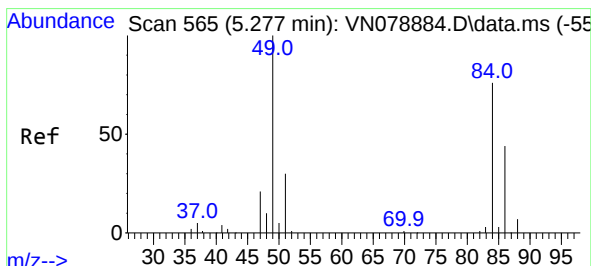
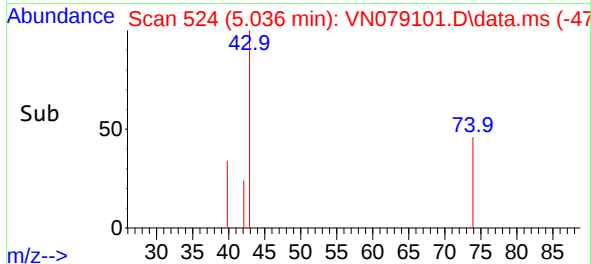
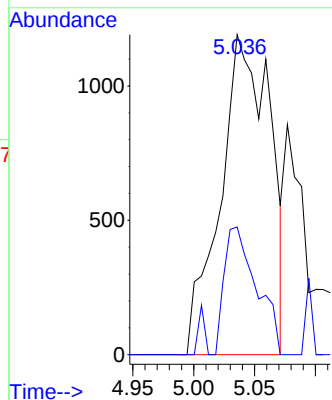


#18
Methyl Acetate
Concen: 0.890 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :

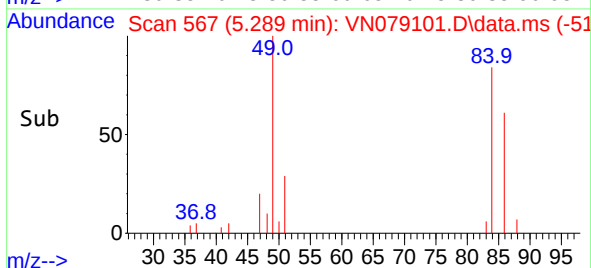
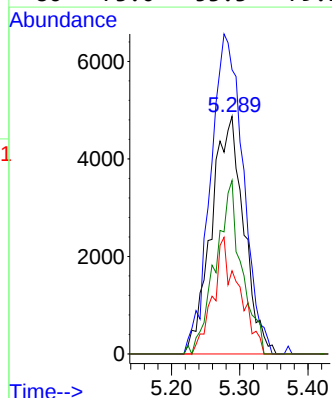
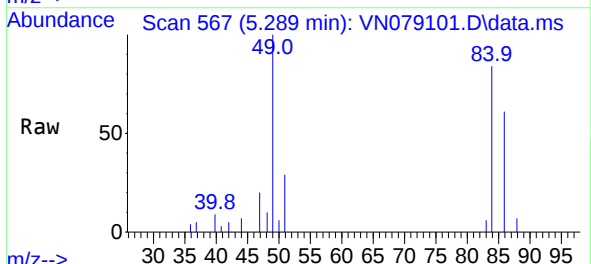


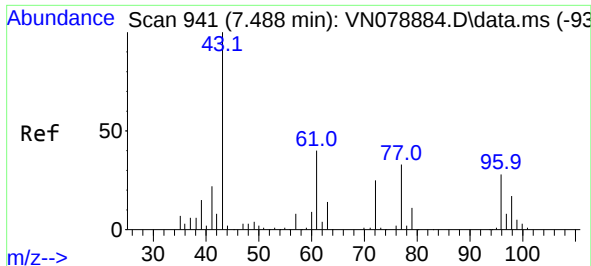
Tgt Ion: 43 Resp: 3386
Ion Ratio Lower Upper
43 100
74 26.0 26.2 39.4#



#20
Methylene Chloride
Concen: 8.401 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

Tgt Ion: 84 Resp: 16125
Ion Ratio Lower Upper
84 100
49 119.6 79.7 119.5#
51 35.0 25.2 37.8
86 73.0 53.3 79.9

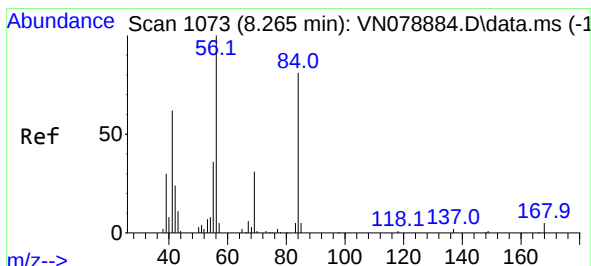
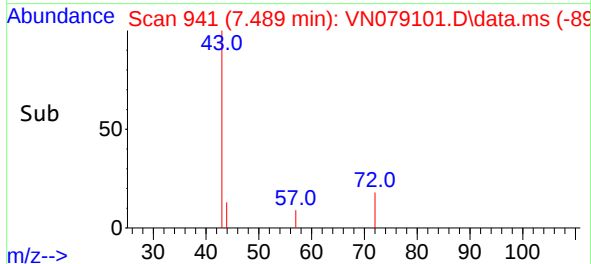
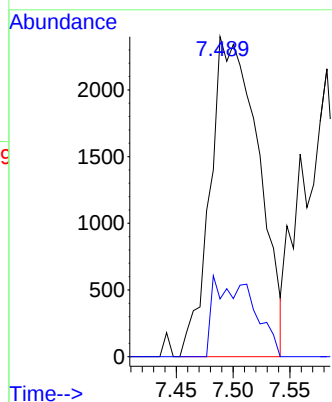
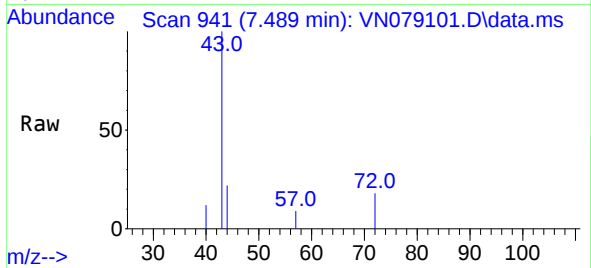




#25
2-Butanone
Concen: 4.891 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.005 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

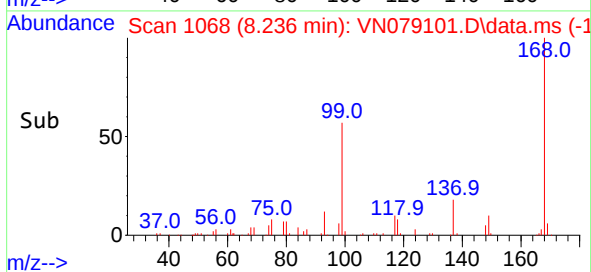
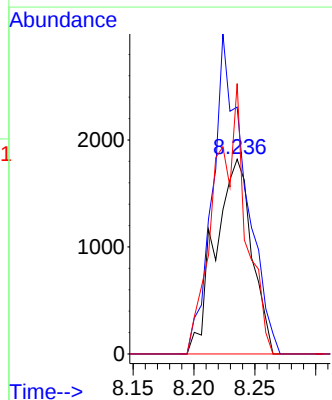
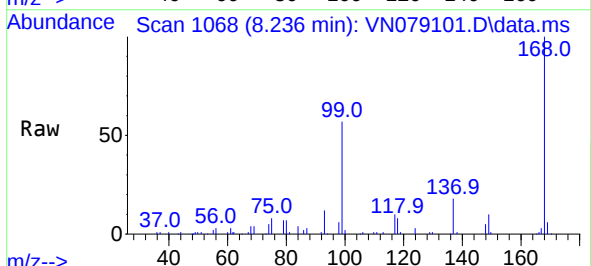
Instrument :
MSVOA_N
ClientSampleId :

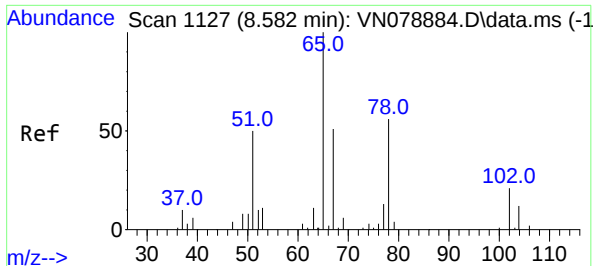
Tgt Ion: 43 Resp: 7063
Ion Ratio Lower Upper
43 100
72 18.0 30.2 45.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.236 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

Tgt Ion: 56 Resp: 3789
Ion Ratio Lower Upper
56 100
69 126.8 26.8 40.2#
84 138.8 81.8 122.6#

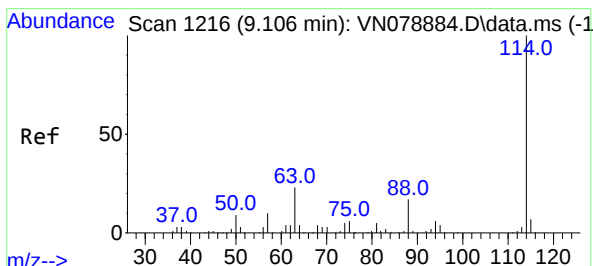
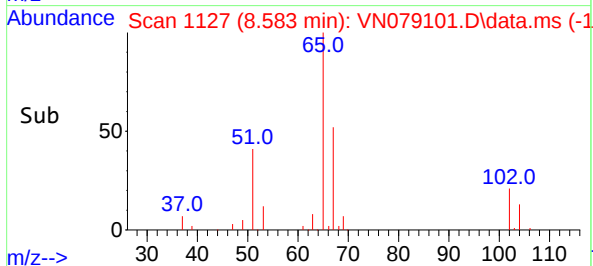
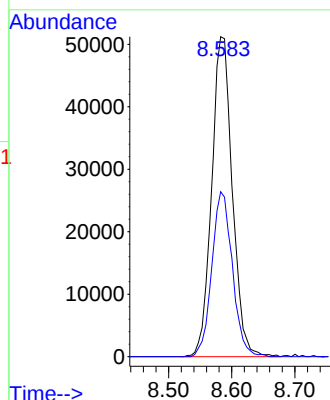
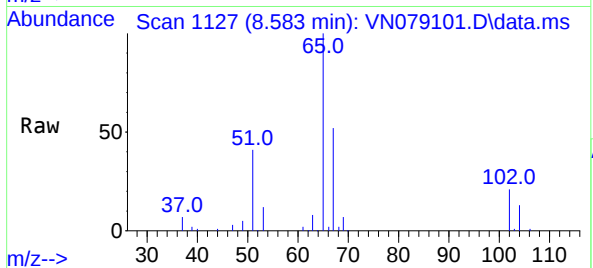




#33
1,2-Dichloroethane-d4
Concen: 53.312 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

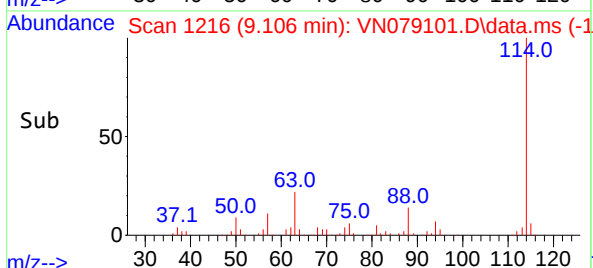
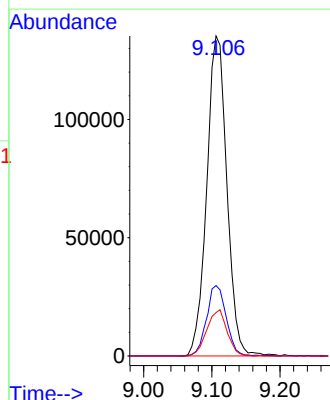
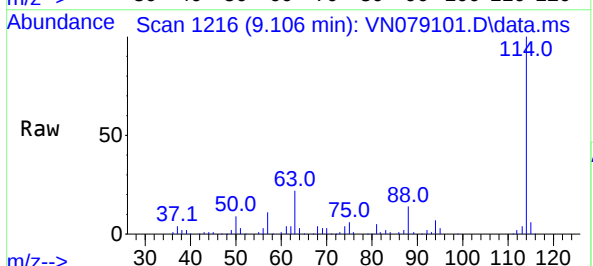
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MSVOA_N
ClientSampleId :

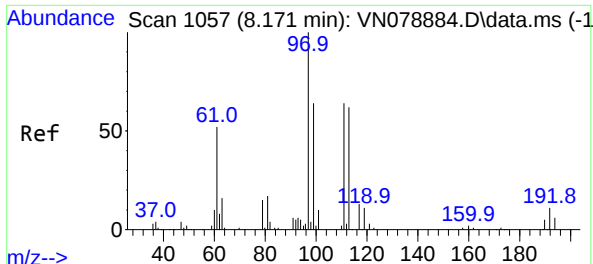
Tgt Ion: 65 Resp: 116372
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.006 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

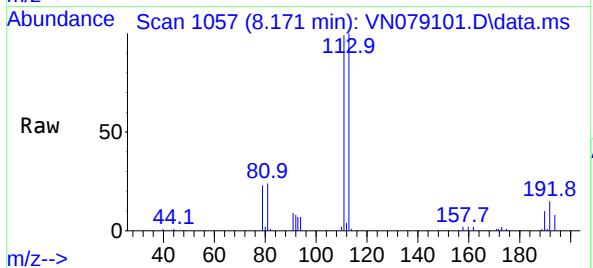
Tgt Ion: 114 Resp: 278424
Ion Ratio Lower Upper
114 100
63 22.0 0.0 36.4
88 13.6 0.0 30.6



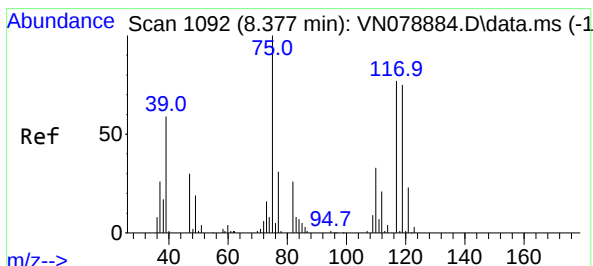
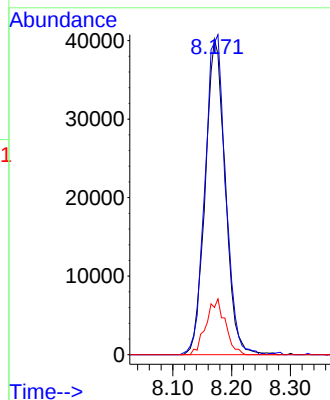
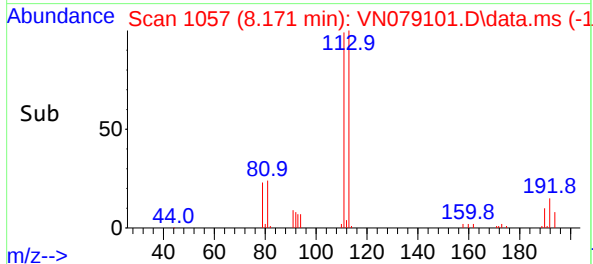


#35
Dibromofluoromethane
Concen: 50.814 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

Instrument :
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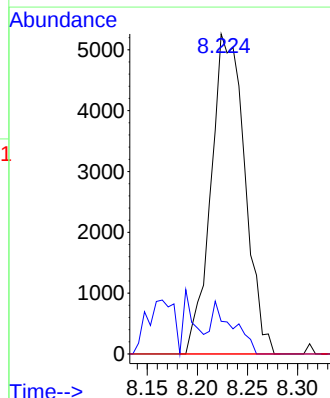
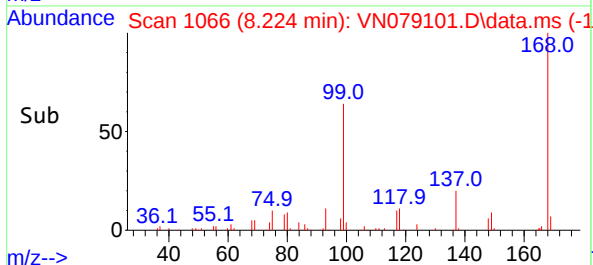
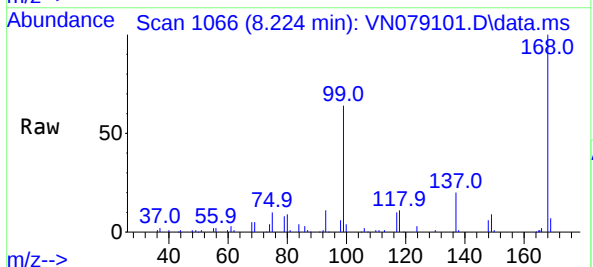


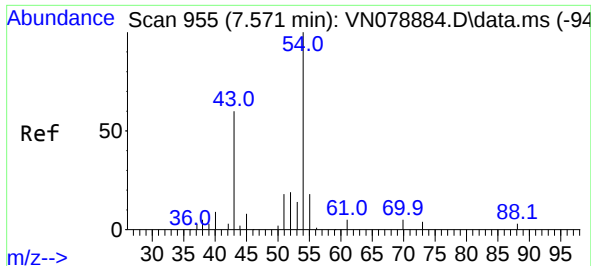
Tgt Ion:113 Resp: 95235
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 17.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.361 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

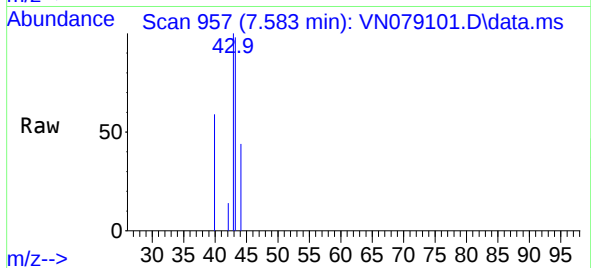
Tgt Ion: 75 Resp: 12296
Ion Ratio Lower Upper
75 100
110 10.8 19.1 57.3#
77 0.0 25.0 37.4#



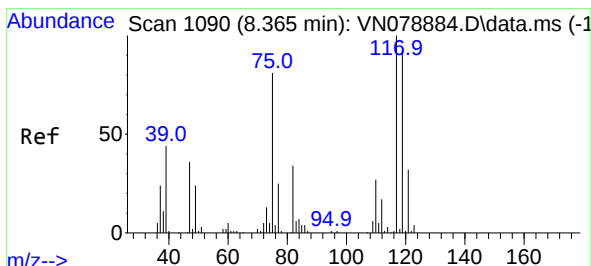
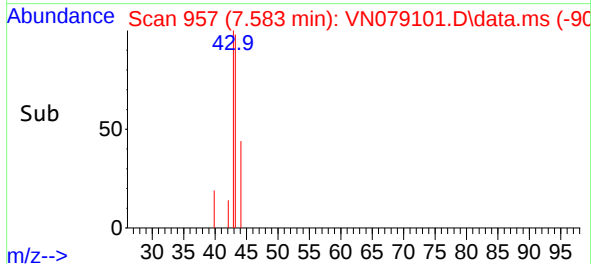
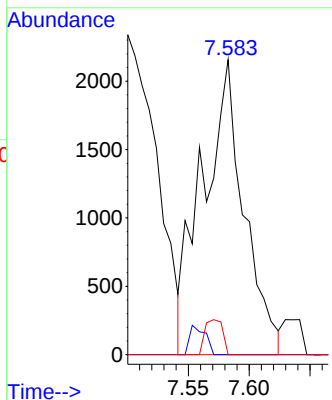


#37
Ethyl Acetate
Concen: 1.611 ug/l
RT: 7.583 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :

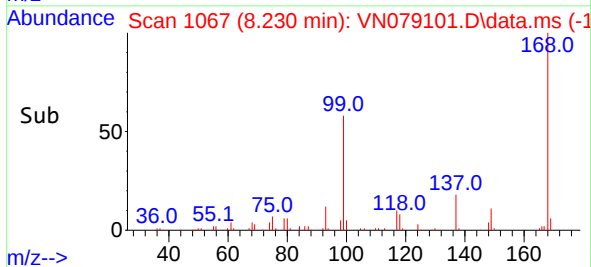
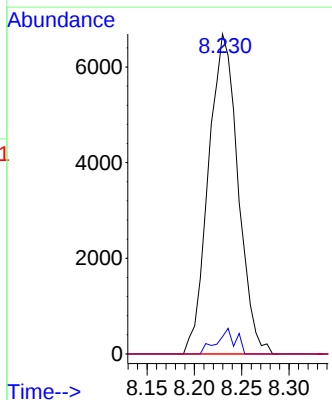
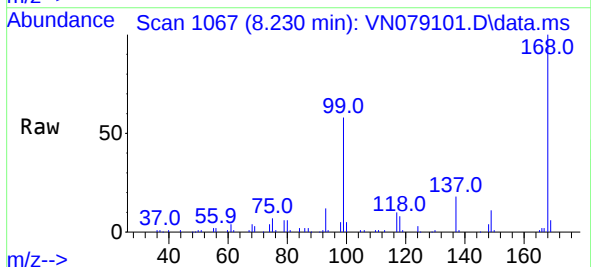


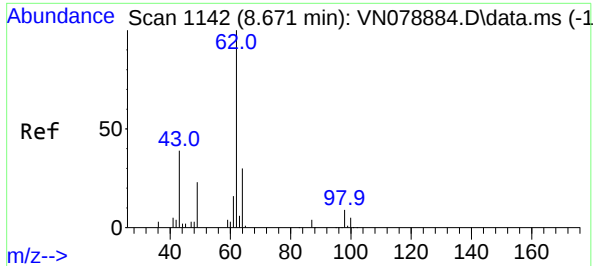
Tgt Ion: 43 Resp: 5081
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 5.1 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.151 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

Tgt Ion: 117 Resp: 14551
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 23.3 34.9#

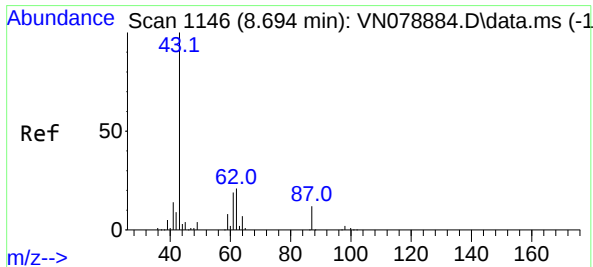
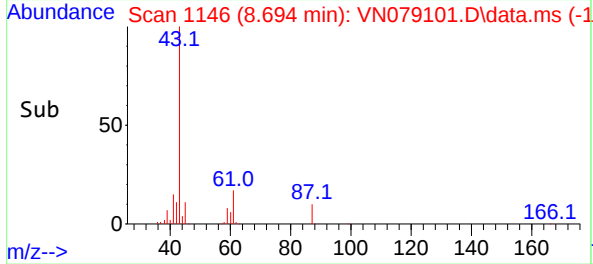
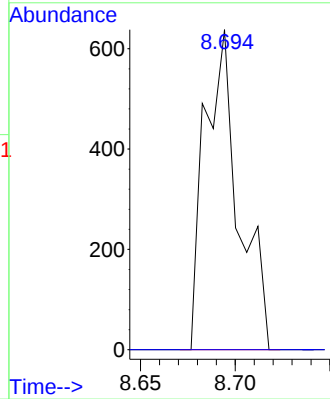
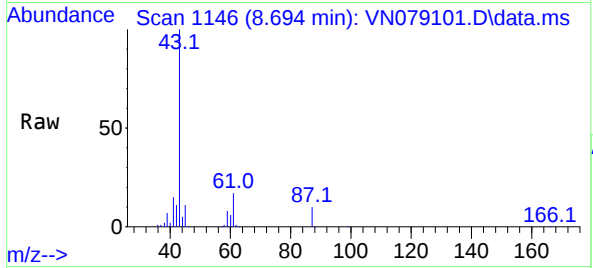




#42
1,2-Dichloroethane
Concen: 0.255 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.017 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

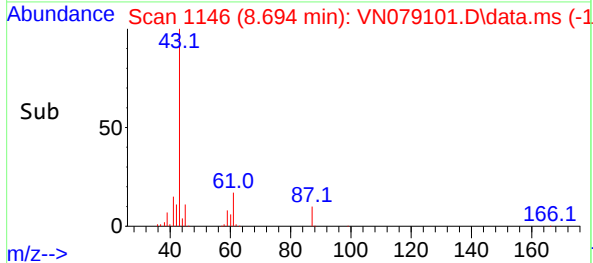
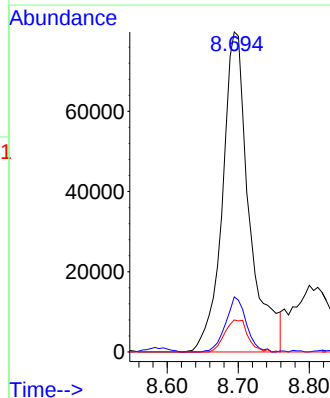
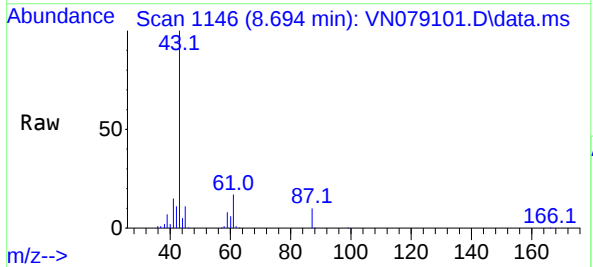
Instrument :
MSVOA_N
ClientSampleId :

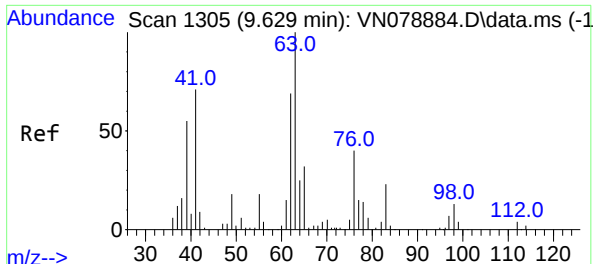
Tgt Ion: 62 Resp: 795
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 37.486 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

Tgt Ion: 43 Resp: 208995
Ion Ratio Lower Upper
43 100
61 13.3 24.7 37.1#
87 8.6 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.833 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.123 min

Lab File: VN079101.D

Acq: 29 Aug 2023 18:07

Instrument :

MSVOA_N

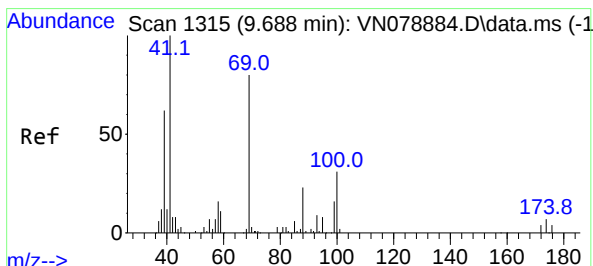
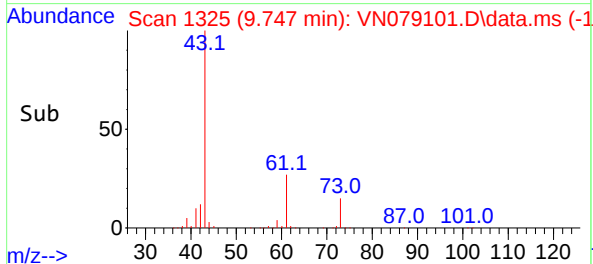
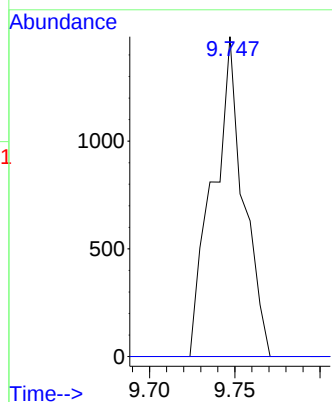
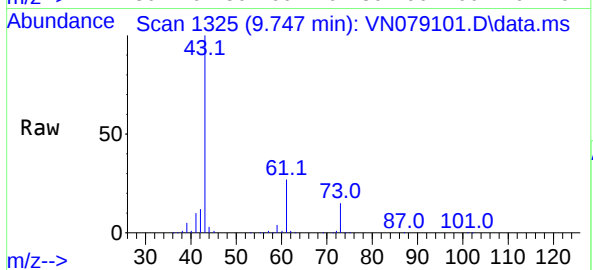
ClientSampleId :

Tgt Ion: 63 Resp: 1848

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.875 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.017 min

Lab File: VN079101.D

Acq: 29 Aug 2023 18:07

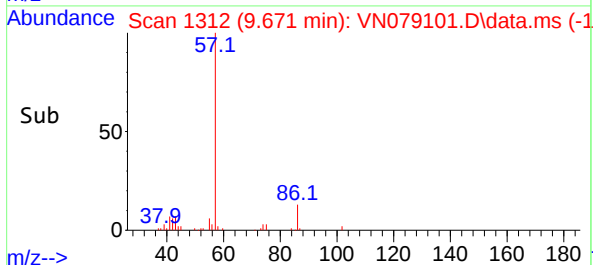
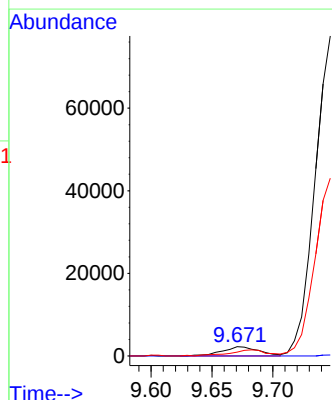
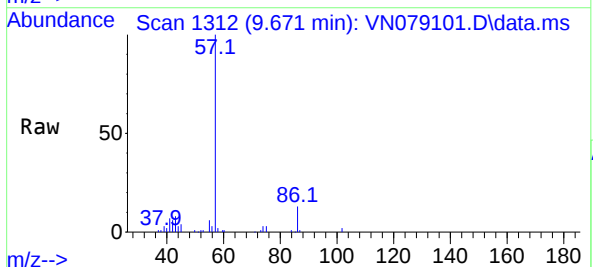
Tgt Ion: 41 Resp: 4737

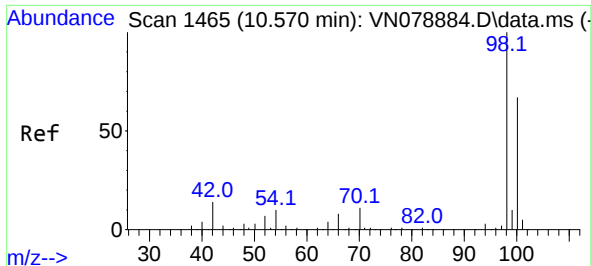
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 67.1 54.6 81.8

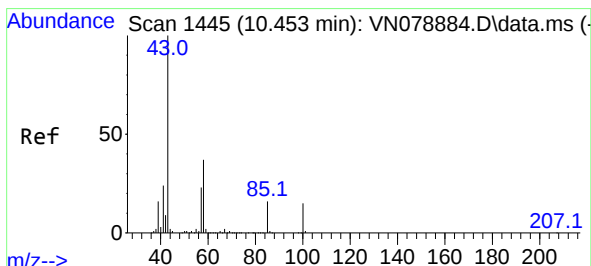
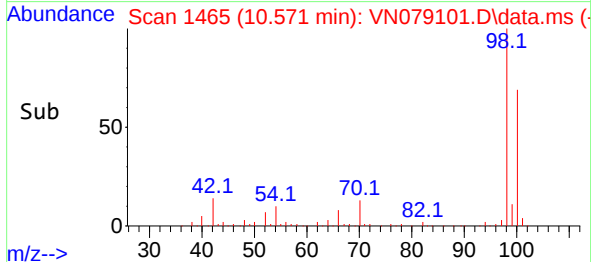
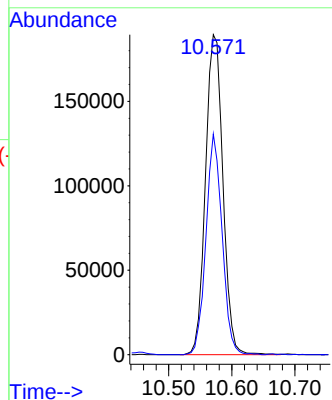
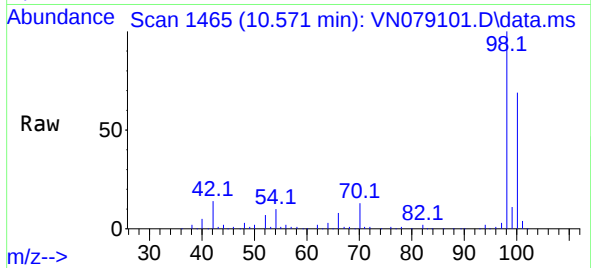




#50
Toluene-d8
Concen: 52.200 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

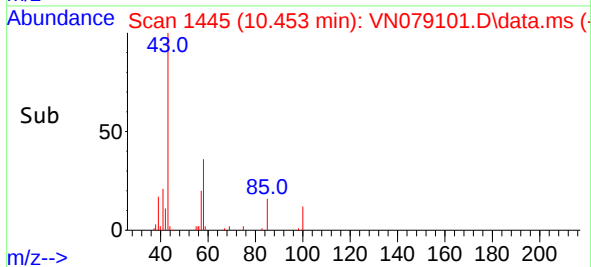
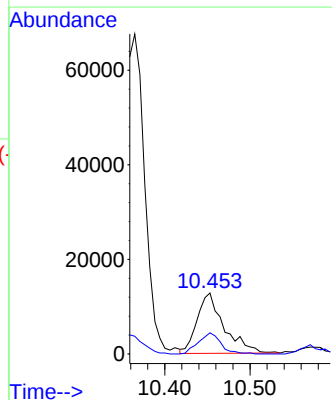
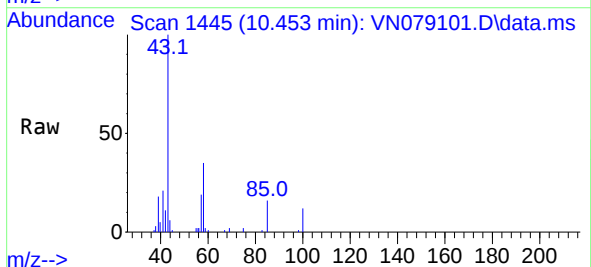
Instrument :
MSVOA_N
ClientSampleId :

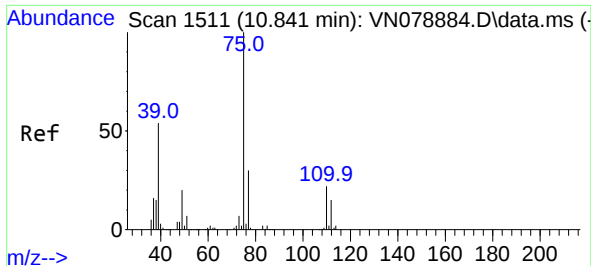
Tgt Ion: 98 Resp: 363267
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 8.441 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

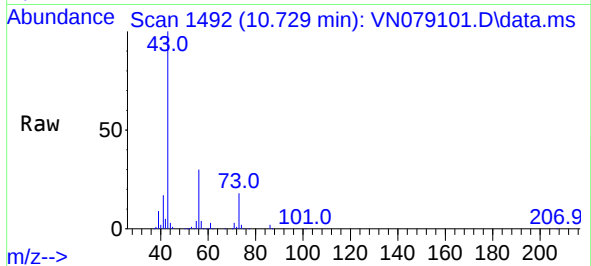
Tgt Ion: 43 Resp: 27913
Ion Ratio Lower Upper
43 100
58 29.3 36.6 54.8#



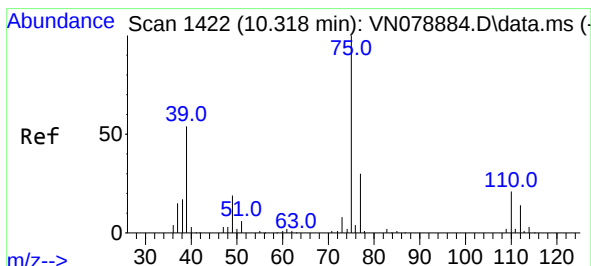
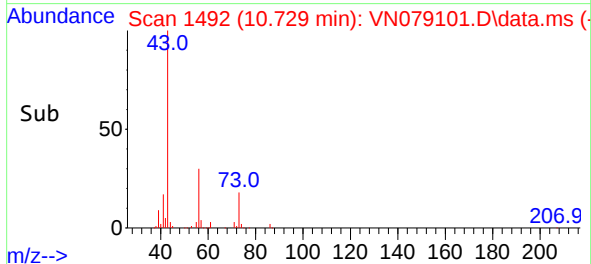
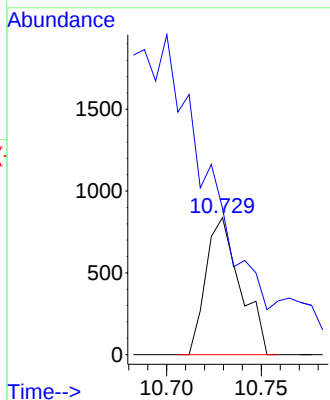


#53
t-1,3-Dichloropropene
Concen: 0.329 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :

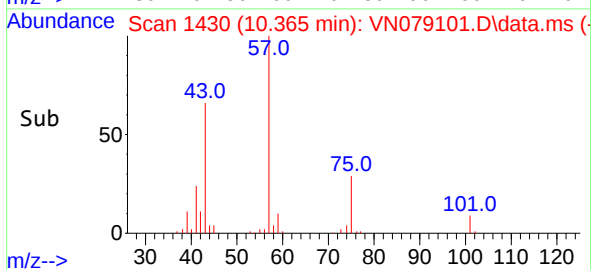
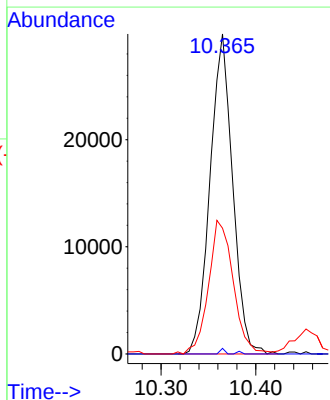
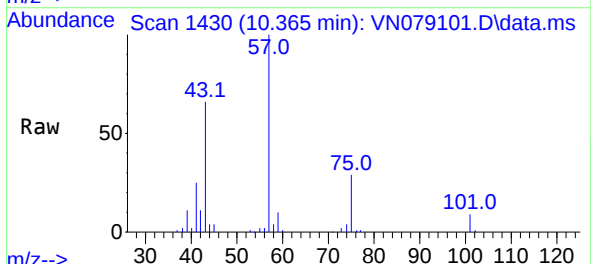


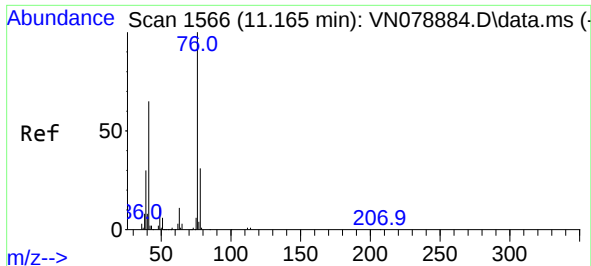
Tgt Ion: 75 Resp: 1060
Ion Ratio Lower Upper
75 100
77 67.7 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 14.108 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

Tgt Ion: 75 Resp: 49514
Ion Ratio Lower Upper
75 100
77 1.7 26.1 39.1#
39 38.7 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.912 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.047 min

Lab File: VN079101.D

Acq: 29 Aug 2023 18:07

Instrument :

MSVOA_N

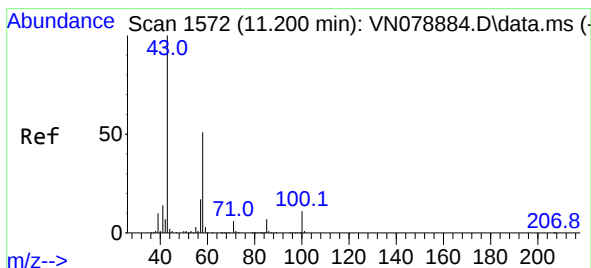
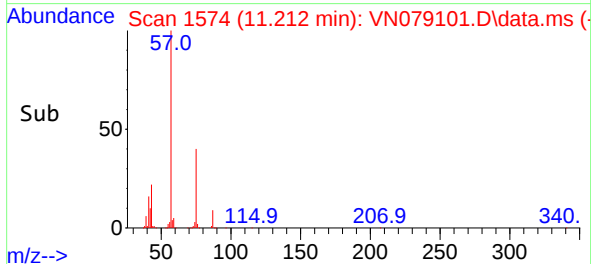
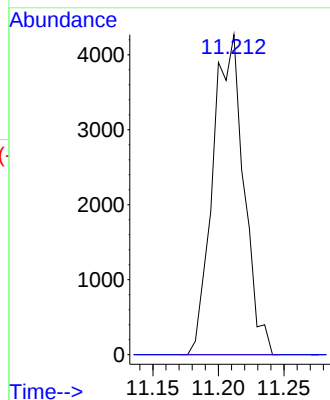
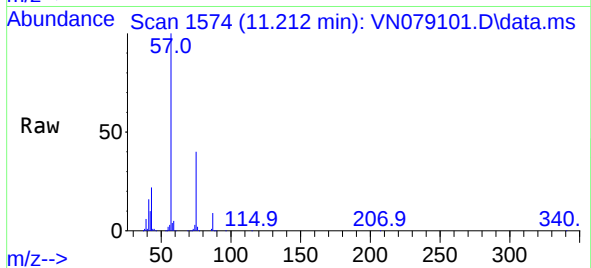
ClientSampleId :

Tgt Ion: 76 Resp: 7014

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 39.564 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079101.D

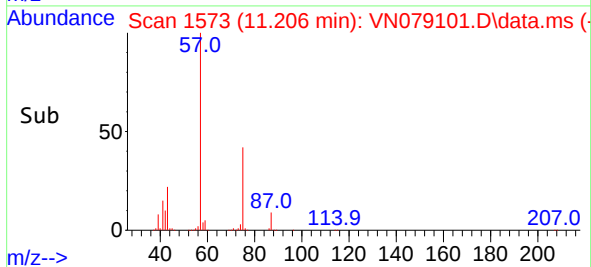
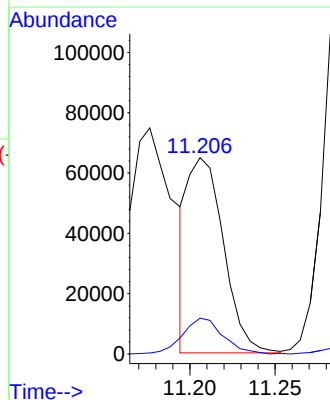
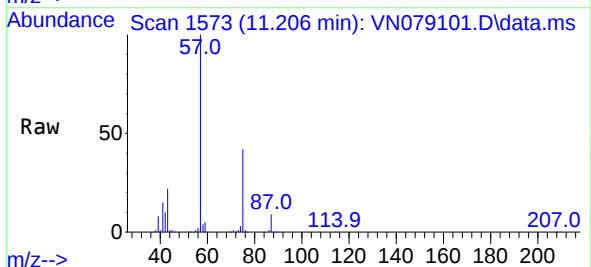
Acq: 29 Aug 2023 18:07

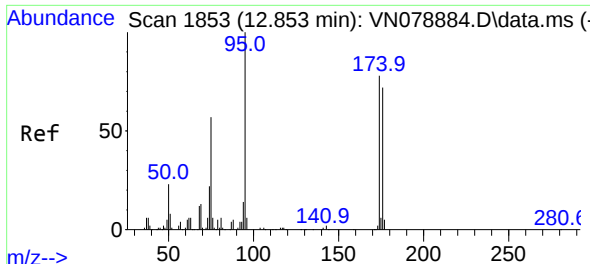
Tgt Ion: 43 Resp: 94759

Ion Ratio Lower Upper

43 100

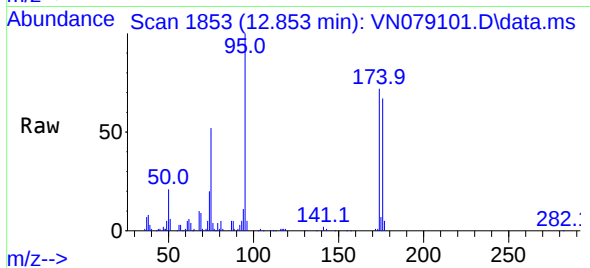
58 20.8 31.7 95.1#



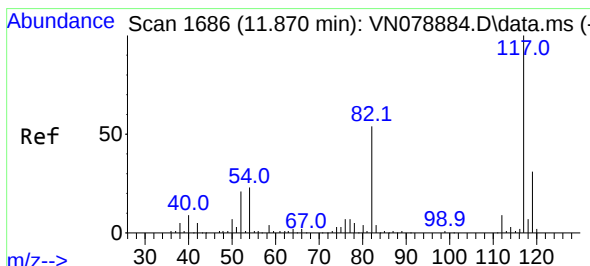
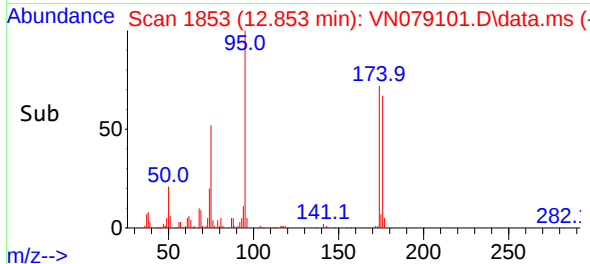
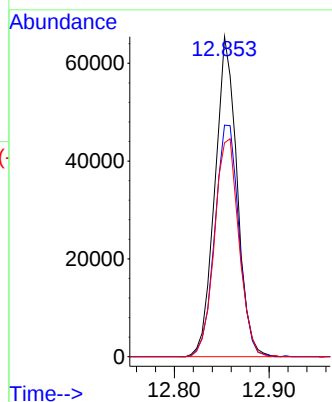


#62
4-Bromofluorobenzene
Concen: 46.706 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :

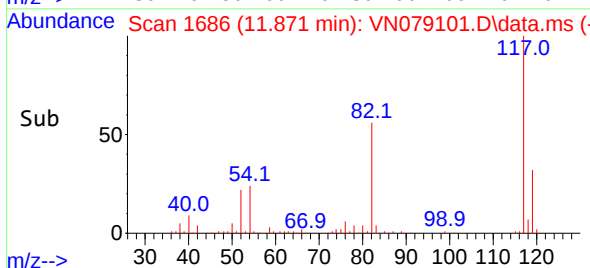
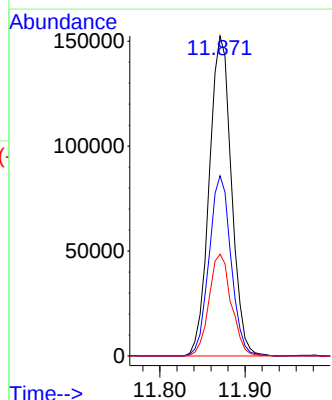
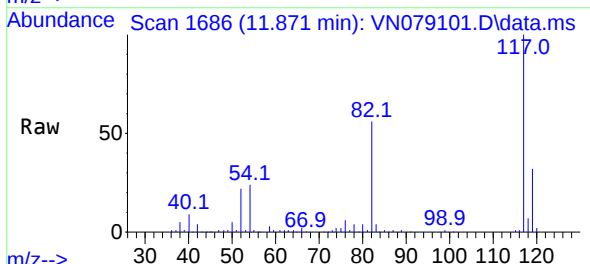


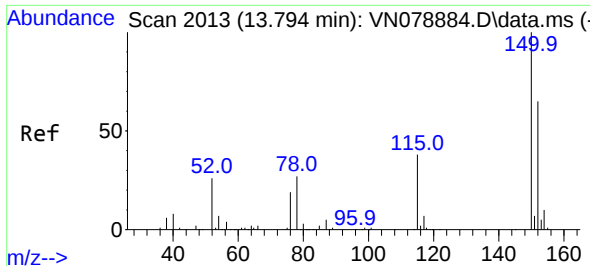
Tgt Ion: 95 Resp: 106239
Ion Ratio Lower Upper
95 100
174 79.2 0.0 143.8
176 75.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

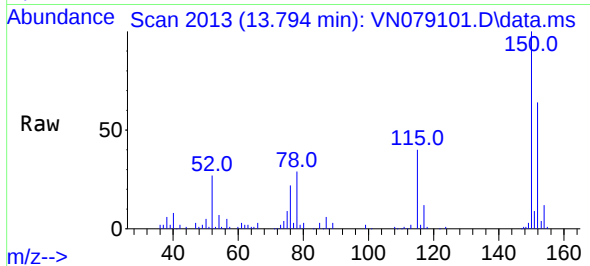
Tgt Ion: 117 Resp: 276294
Ion Ratio Lower Upper
117 100
82 56.3 44.0 66.0
119 31.8 25.6 38.4



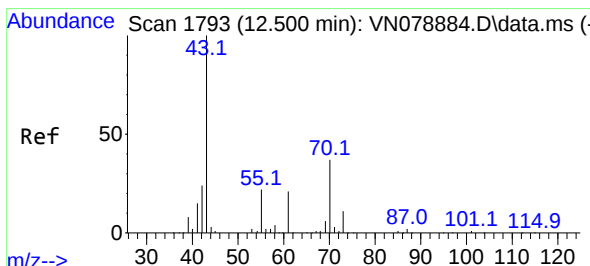
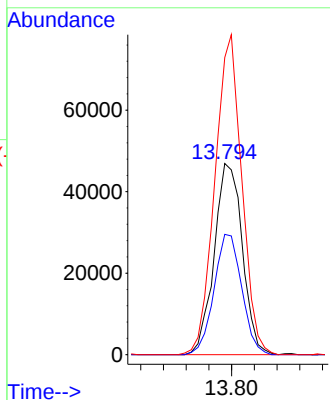
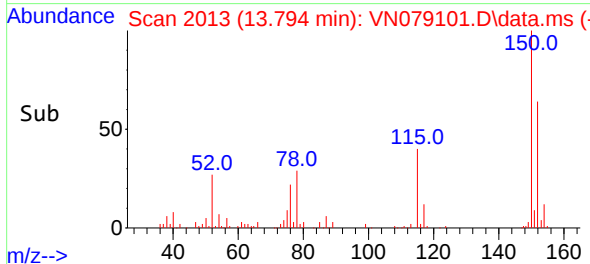


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

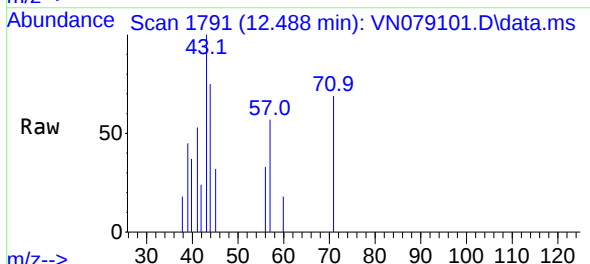
Instrument :
MSVOA_N
ClientSampleId :



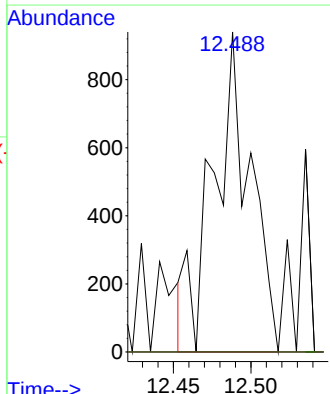
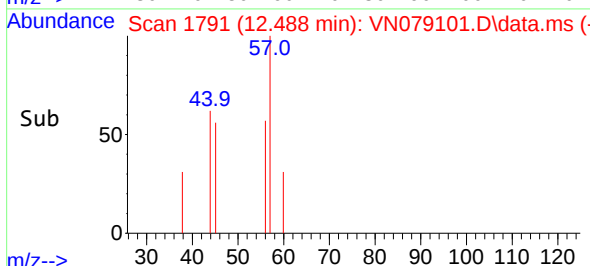
Tgt Ion:152 Resp: 80730
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 160.1 0.0 355.8

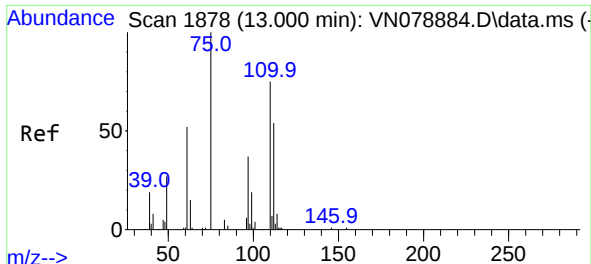


#74
N-ethyl acetate
Concen: 0.460 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07



Tgt Ion: 43 Resp: 1562
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#

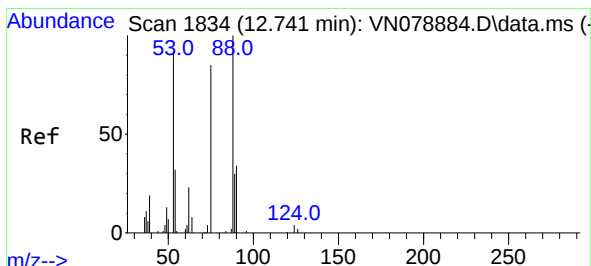
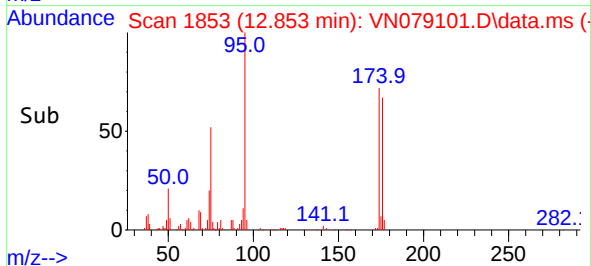
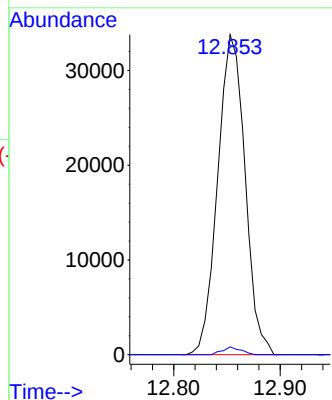
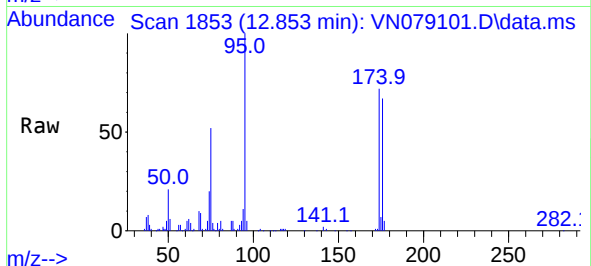




#76
1,2,3-Trichloropropane
Concen: 30.912 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

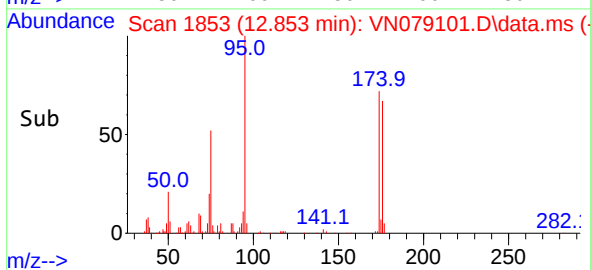
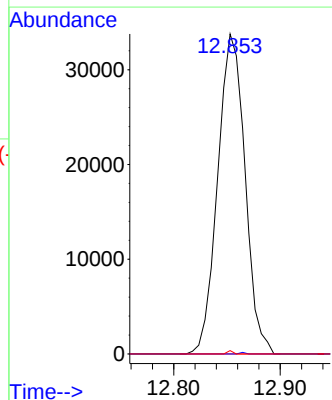
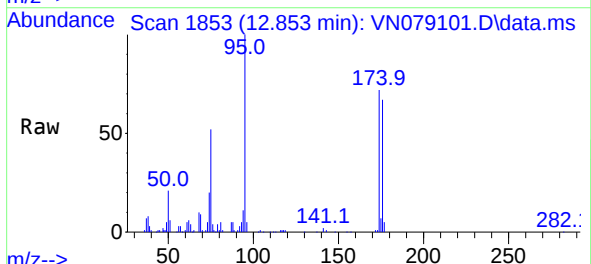
Instrument :
MSVOA_N
ClientSampleId :

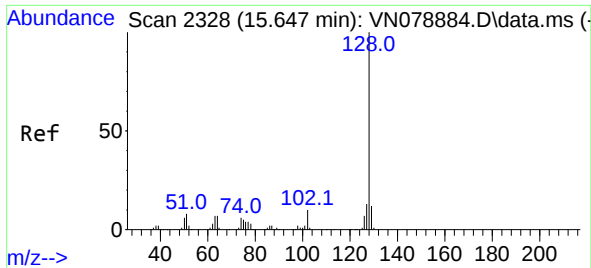
Tgt Ion: 75 Resp: 60131
Ion Ratio Lower Upper
75 100
77 1.6 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.968 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

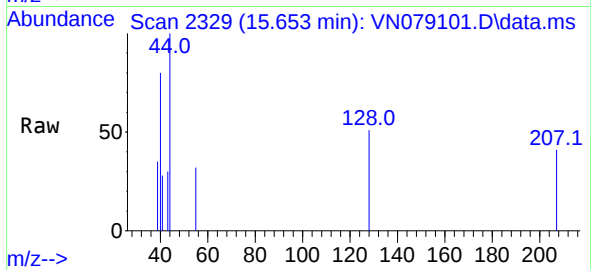
Tgt Ion: 75 Resp: 60131
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.2 38.8 58.2#





#95
Naphthalene
Concen: 2.655 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN079101.D
Acq: 29 Aug 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 315
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

