

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079098.D
 Acq On : 29 Aug 2023 16:54
 Operator : JC\MD
 Sample : PB155153ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 23:31:06 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)

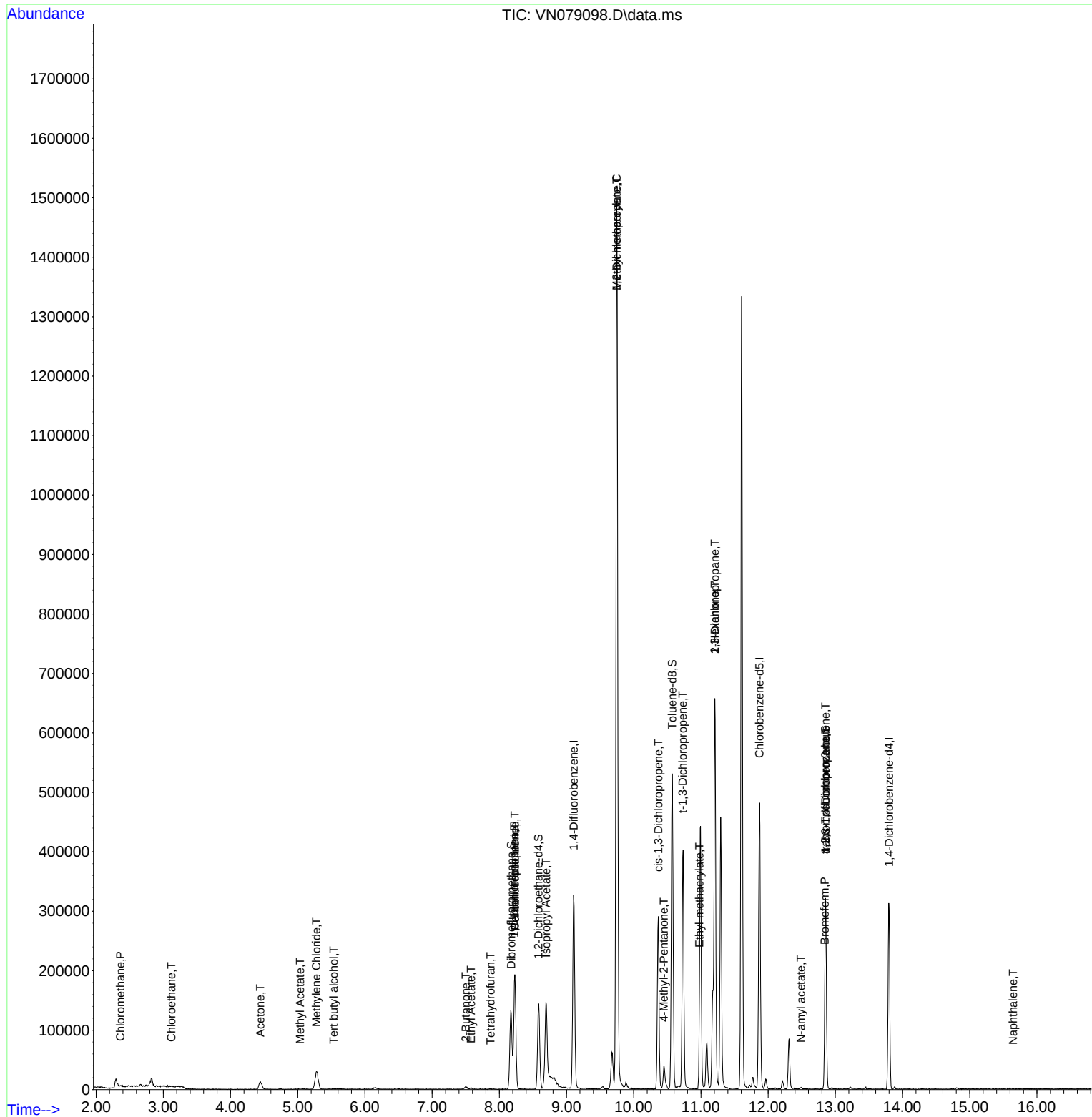
Internal Standards						
1) Pentafluorobenzene	8.230	168	135215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	273344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	276537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	82380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	113499	53.943	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.880%			
35) Dibromofluoromethane	8.177	113	92894	50.486	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.980%			
50) Toluene-d8	10.571	98	355926	52.096	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.200%			
62) 4-Bromofluorobenzene	12.853	95	102761	46.016	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.040%			
Target Compounds					Qvalue	
3) Chloromethane	2.360	50	820	0.313	ug/l #	42
6) Chloroethane	3.118	64	414	0.258	ug/l #	43
11) Tert butyl alcohol	5.536	59	90	0.255	ug/l #	72
16) Acetone	4.442	43	25721	29.627	ug/l	97
18) Methyl Acetate	5.036	43	1885	0.514	ug/l #	60
20) Methylene Chloride	5.277	84	22593	12.212	ug/l #	82
25) 2-Butanone	7.500	43	7779	5.589	ug/l #	57
29) Tetrahydrofuran	7.871	42	200	0.217	ug/l #	40
31) Cyclohexane	8.230	56	3605	Below Cal	#	37
36) 1,1-Dichloropropene	8.224	75	12486	4.511	ug/l #	47
37) Ethyl Acetate	7.577	43	4902	1.583	ug/l #	68
38) Carbon Tetrachloride	8.230	117	14888	5.368	ug/l #	16
43) Isopropyl Acetate	8.694	43	189977	34.708	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1942	0.892	ug/l #	45
48) Methyl methacrylate	9.747	41	141662	57.114	ug/l #	29
51) 4-Methyl-2-Pentanone	10.447	43	31583	9.729	ug/l #	74
53) t-1,3-Dichloropropene	10.730	75	838	0.265	ug/l #	86
54) cis-1,3-Dichloropropene	10.365	75	45633	13.244	ug/l #	73
56) Ethyl methacrylate	10.977	69	2269	0.727	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6520	1.810	ug/l #	42
59) 2-Hexanone	11.206	43	90350	38.424	ug/l #	45
71) Bromoform	12.841	173	797	0.493	ug/l #	1
74) N-amyl acetate	12.488	43	1277	0.368	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	58169	29.305	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	58169	74.861	ug/l #	15
95) Naphthalene	15.647	128	80	2.595	ug/l #	70

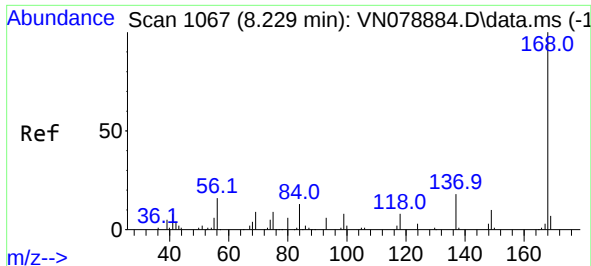
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
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Sample : PB155153ZHE#07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Time: Aug 29 23:31:06 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

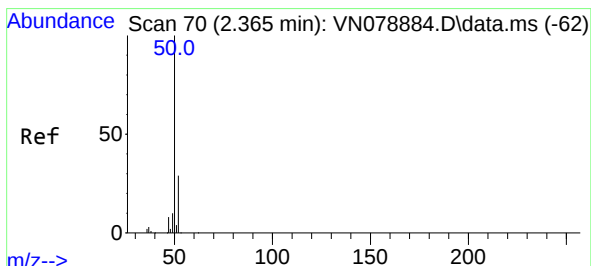
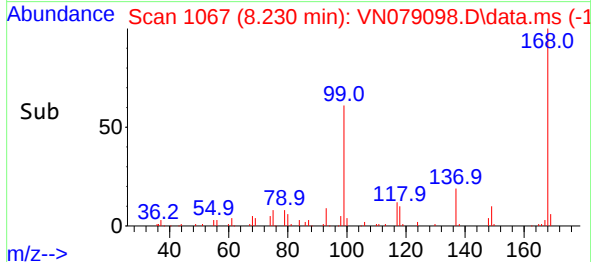
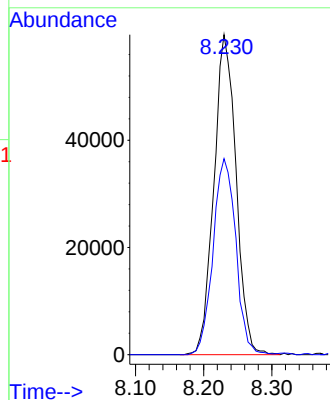
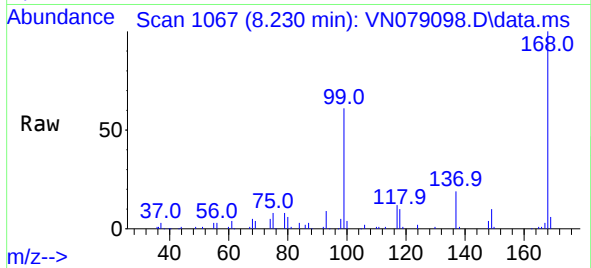




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

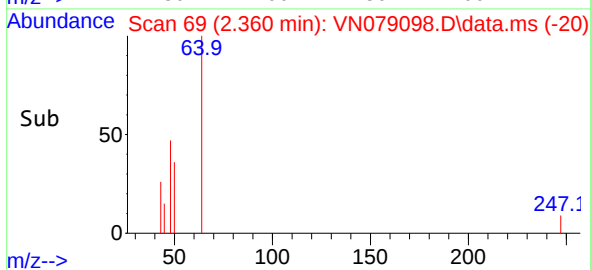
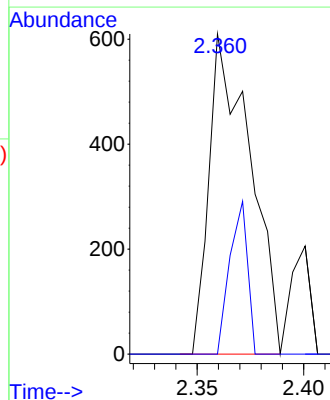
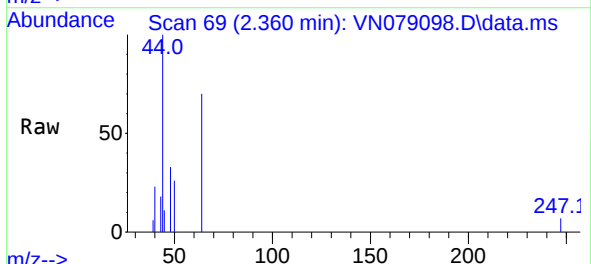
Instrument :
MSVOA_N
ClientSampleId :

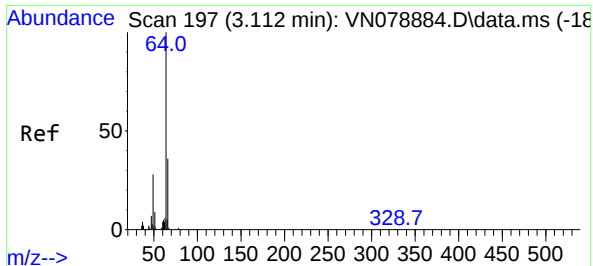
Tgt Ion:168 Resp: 135215
Ion Ratio Lower Upper
168 100
99 61.2 53.0 79.6



#3
Chloromethane
Concen: 0.313 ug/l
RT: 2.360 min Scan# 69
Delta R.T. -0.011 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Tgt Ion: 50 Resp: 820
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

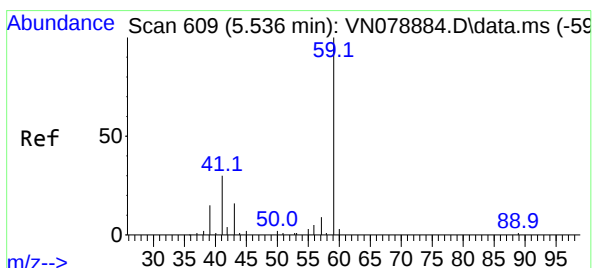
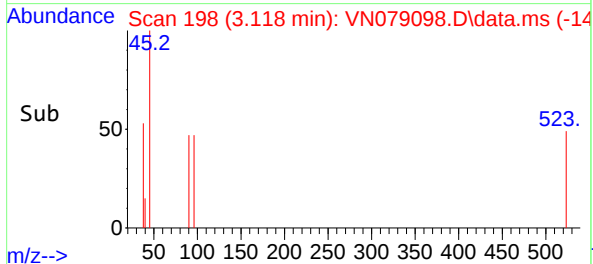
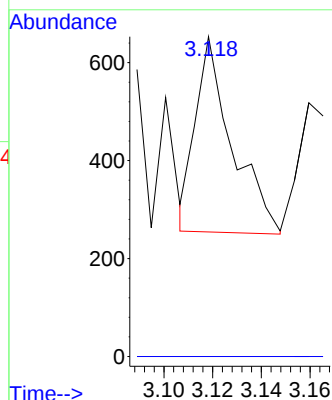
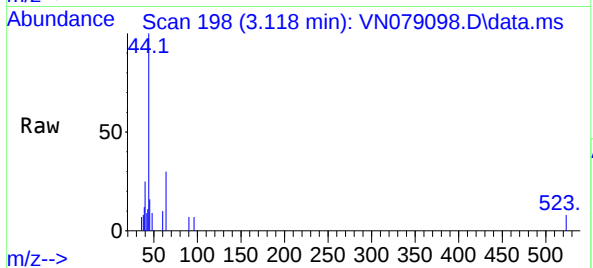




#6
Chloroethane
Concen: 0.258 ug/l
RT: 3.118 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

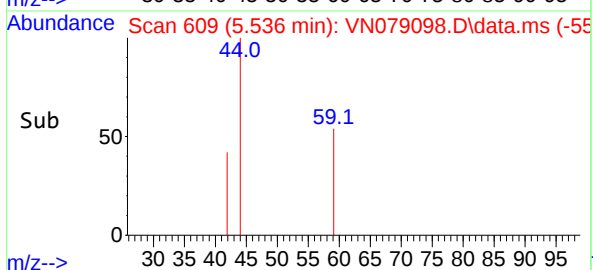
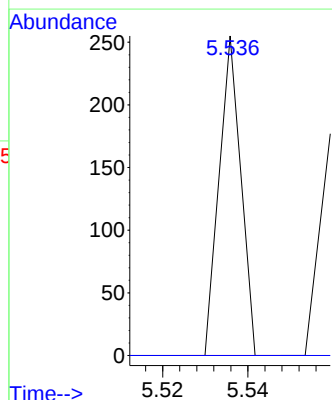
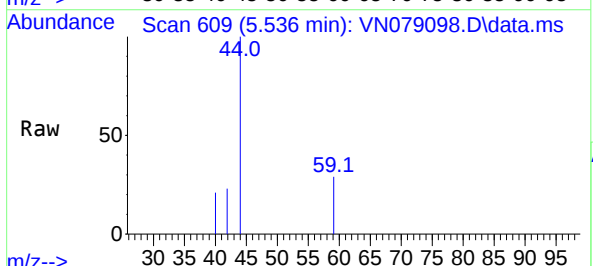
Instrument :
MSVOA_N
ClientSampleId :

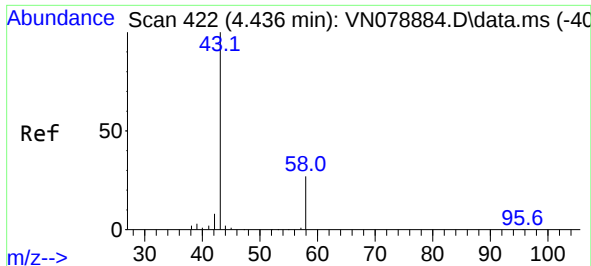
Tgt Ion: 64 Resp: 414
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.255 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Tgt Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

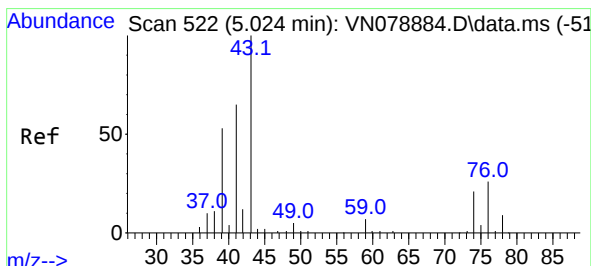
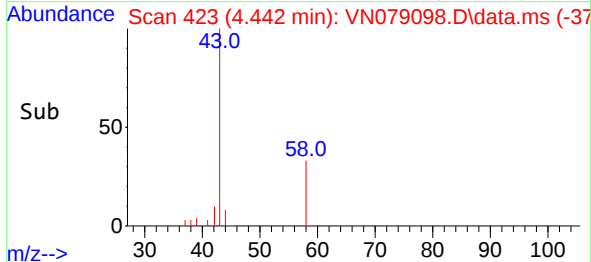
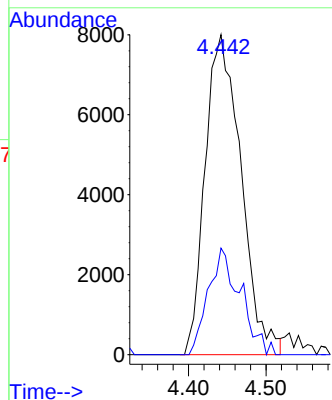
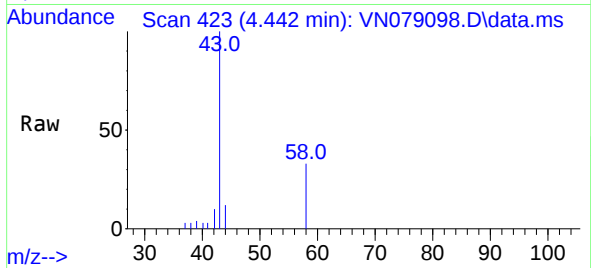




#16
Acetone
Concen: 29.627 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

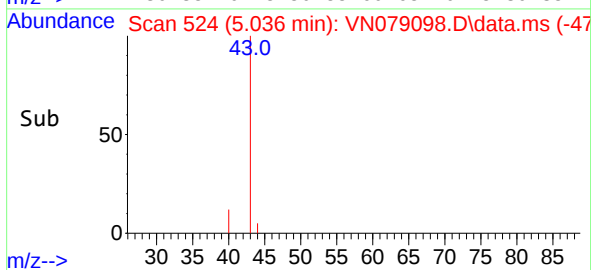
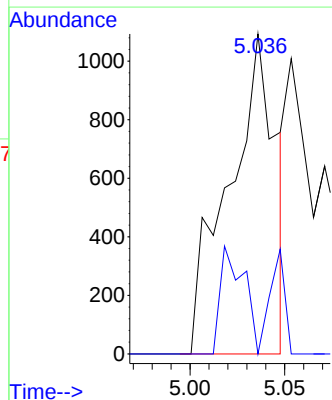
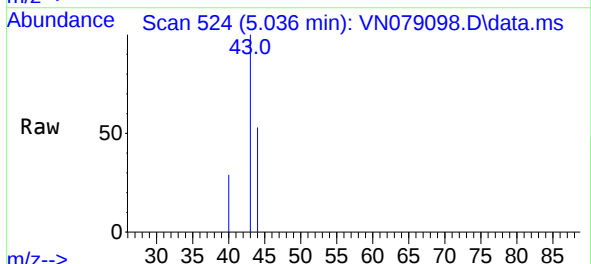
Instrument :
MSVOA_N
ClientSampleId :

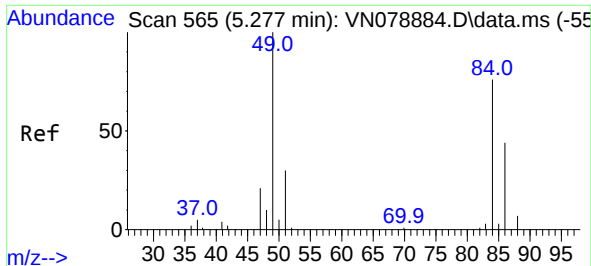
Tgt Ion: 43 Resp: 25721
Ion Ratio Lower Upper
43 100
58 33.3 28.0 42.0



#18
Methyl Acetate
Concen: 0.514 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.006 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

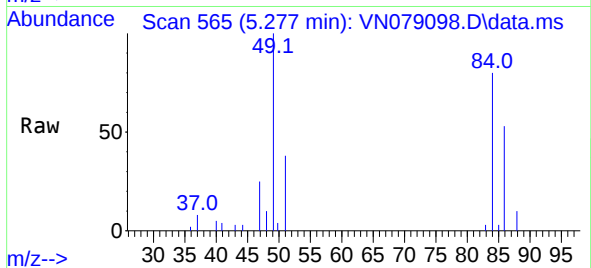
Tgt Ion: 43 Resp: 1885
Ion Ratio Lower Upper
43 100
74 10.3 26.2 39.4#



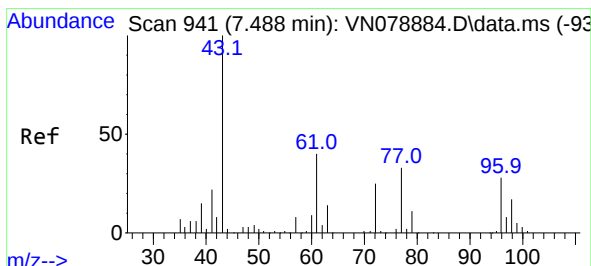
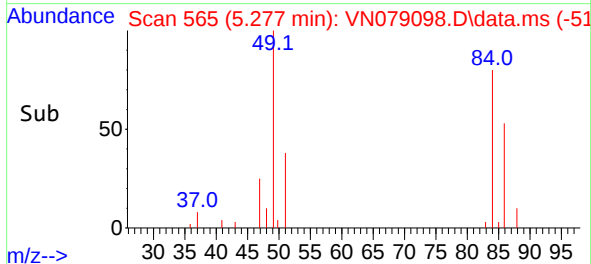
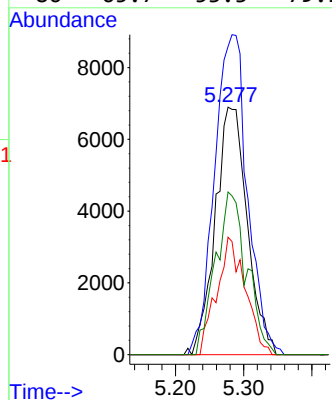


#20
Methylene Chloride
Concen: 12.212 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Instrument :
MSVOA_N
ClientSampleId :

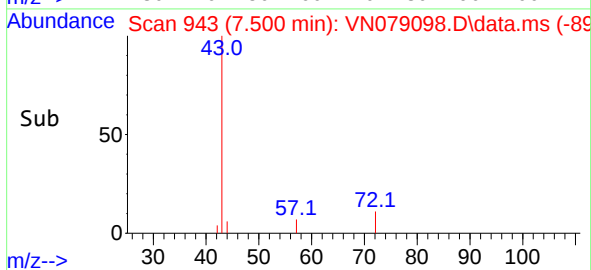
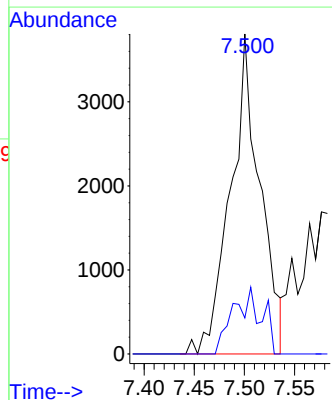
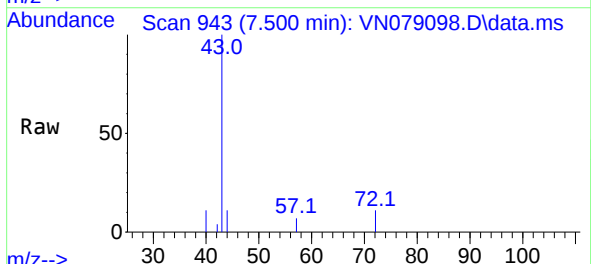


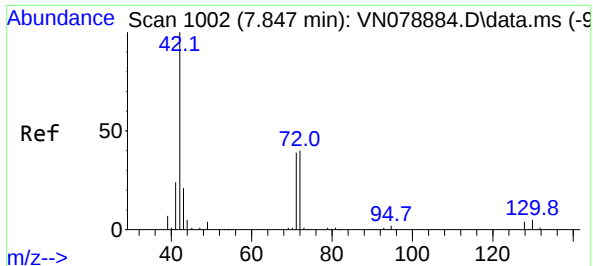
Tgt Ion: 84 Resp: 22593
Ion Ratio Lower Upper
84 100
49 124.5 79.7 119.5#
51 47.4 25.2 37.8#
86 65.7 53.3 79.9



#25
2-Butanone
Concen: 5.589 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Tgt Ion: 43 Resp: 7779
Ion Ratio Lower Upper
43 100
72 11.7 30.2 45.2#

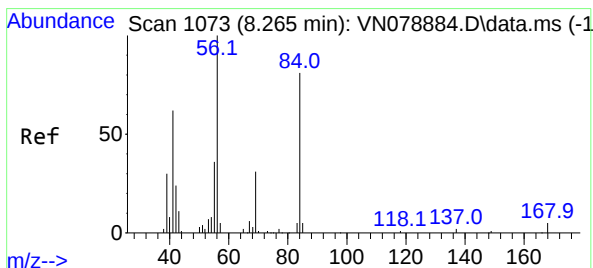
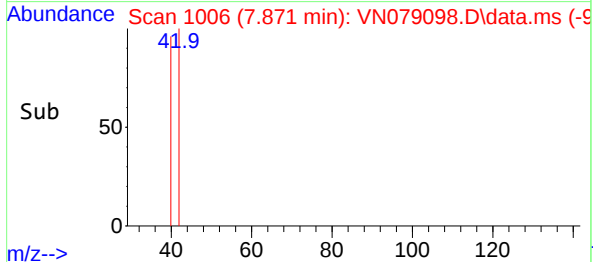
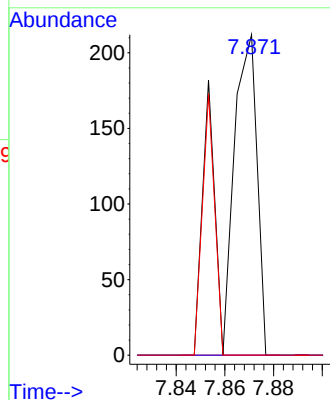
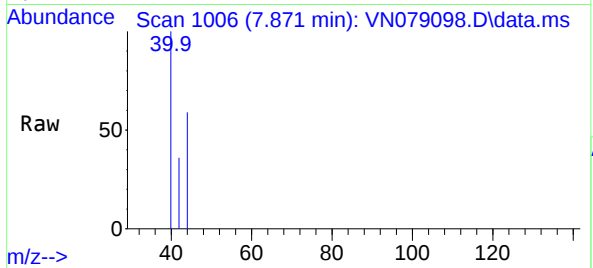




#29
Tetrahydrofuran
Concen: 0.217 ug/l
RT: 7.871 min Scan# 1067
Delta R.T. 0.024 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

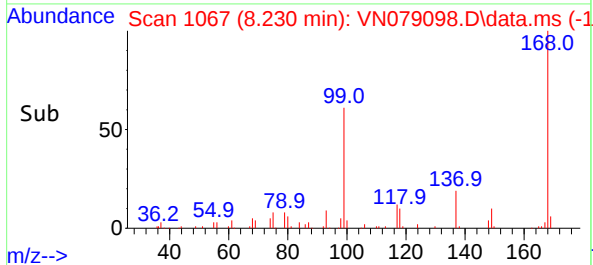
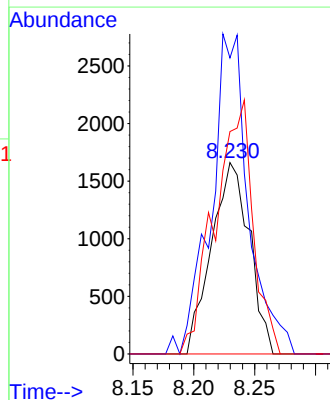
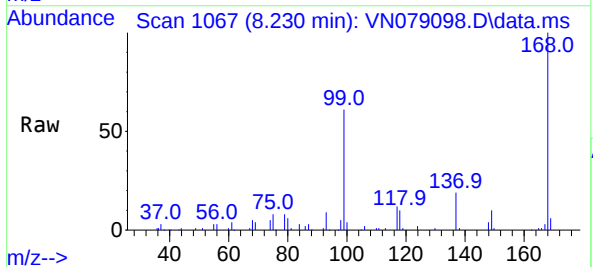
Instrument :
MSVOA_N
ClientSampleId :

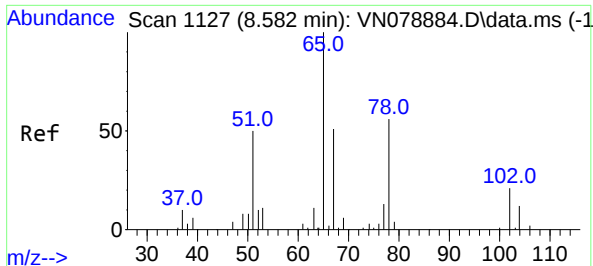
Tgt Ion: 42 Resp: 200
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 30.5 47.4 71.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Tgt Ion: 56 Resp: 3605
Ion Ratio Lower Upper
56 100
69 154.7 26.8 40.2#
84 116.3 81.8 122.6

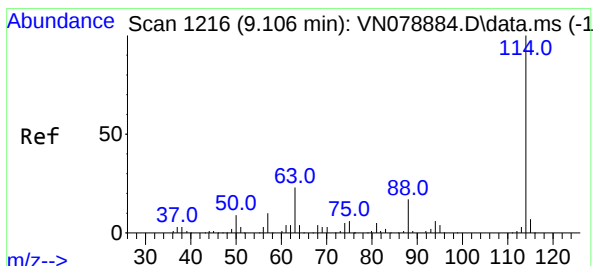
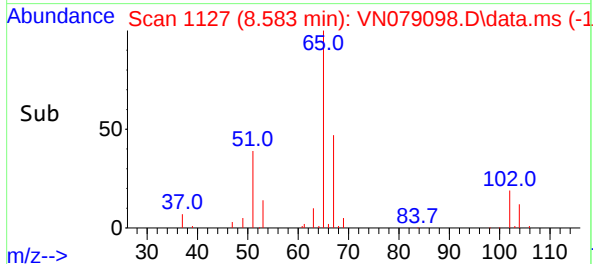
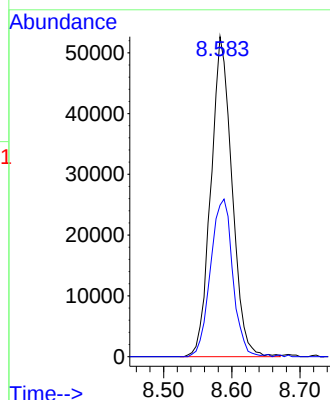
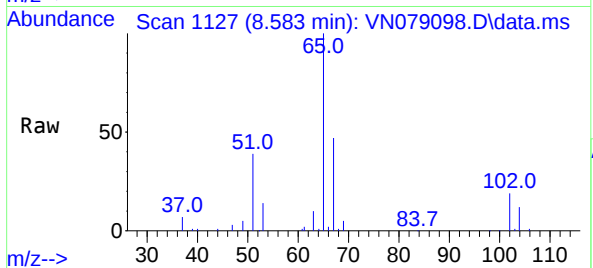




#33
1,2-Dichloroethane-d4
Concen: 53.943 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

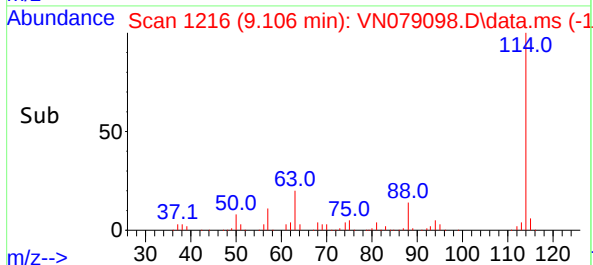
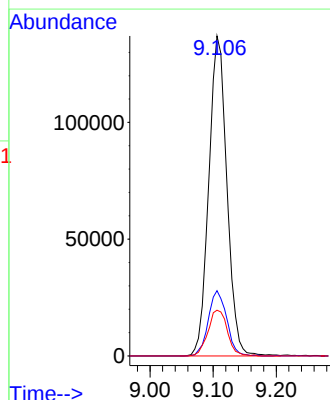
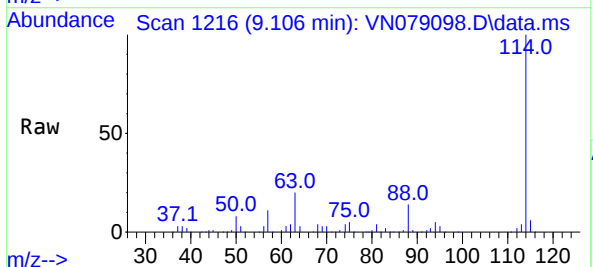
Instrument :
MSVOA_N
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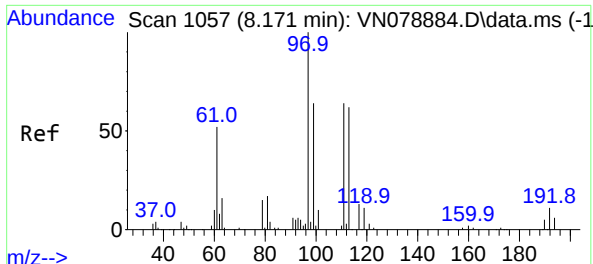
Tgt Ion: 65 Resp: 113499
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.006 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

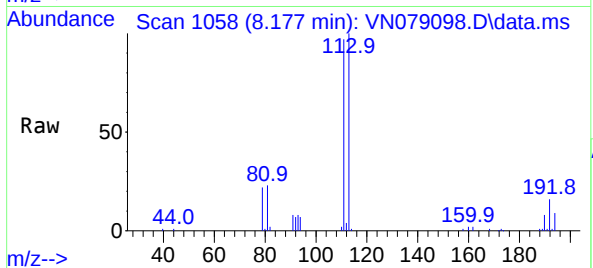
Tgt Ion: 114 Resp: 273344
Ion Ratio Lower Upper
114 100
63 20.4 0.0 36.4
88 14.3 0.0 30.6



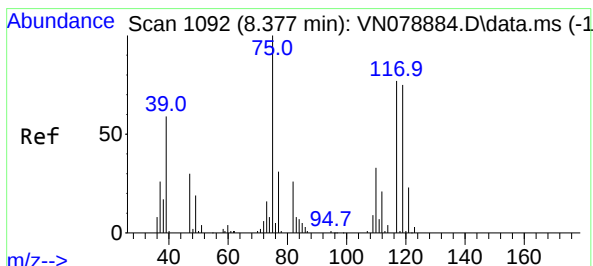
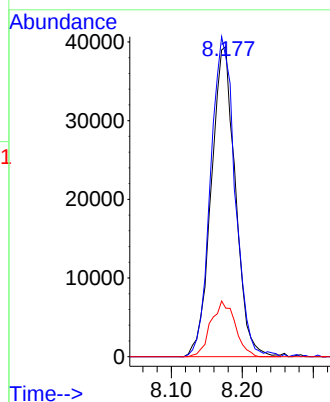
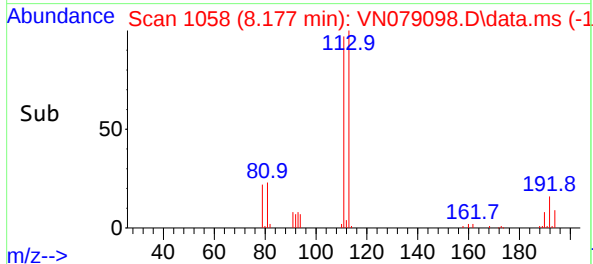


#35
Dibromofluoromethane
Concen: 50.486 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Instrument :
MSVOA_N
ClientSampleId :

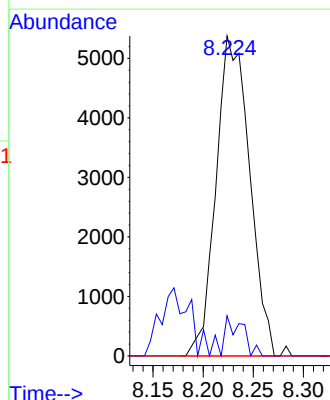
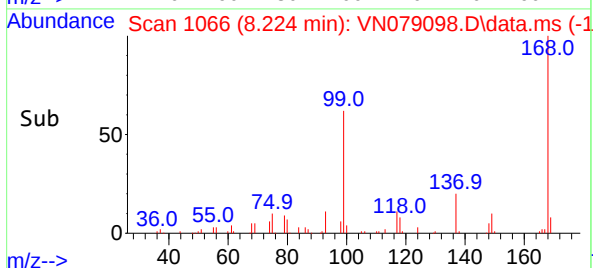
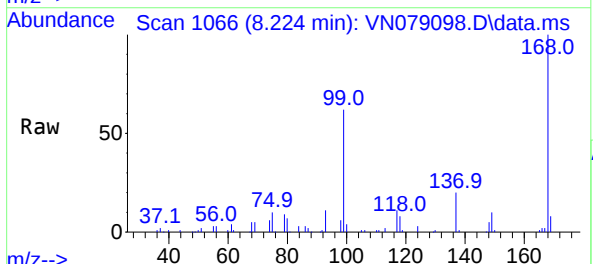


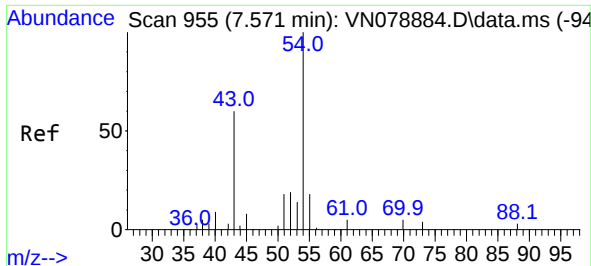
Tgt Ion:113 Resp: 92894
Ion Ratio Lower Upper
113 100
111 104.5 82.6 123.8
192 18.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.511 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Tgt Ion: 75 Resp: 12486
Ion Ratio Lower Upper
75 100
110 7.4 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.583 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN079098.D

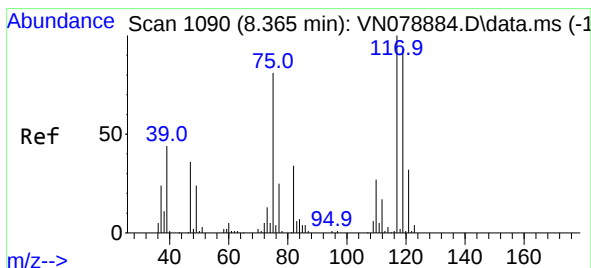
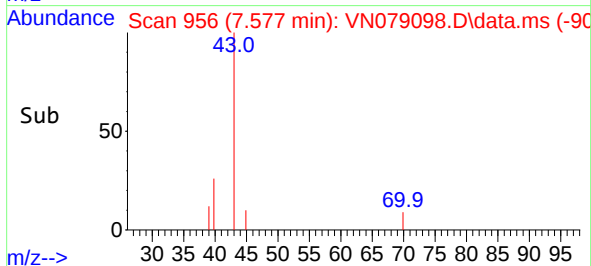
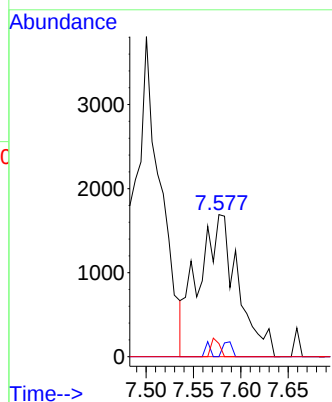
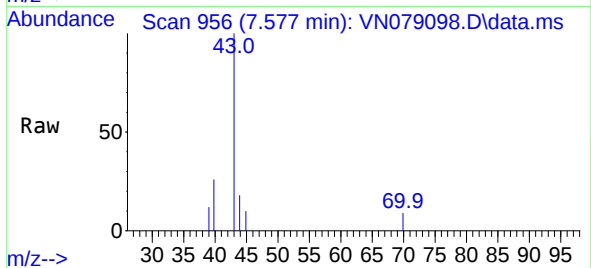
Acq: 29 Aug 2023 16:54

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	4902
Ion	Ratio	Lower	Upper
43	100		
61	1.3	13.2	19.8#
70	2.7	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.368 ug/l

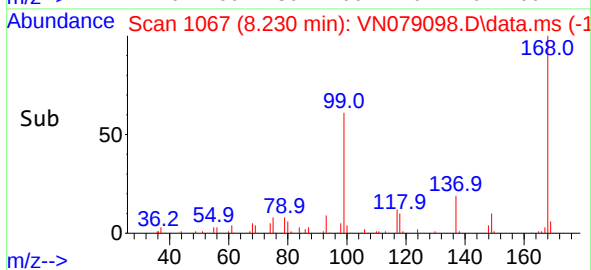
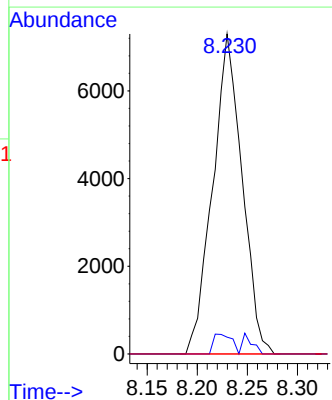
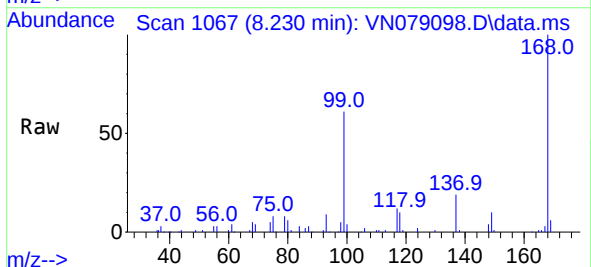
RT: 8.230 min Scan# 1067

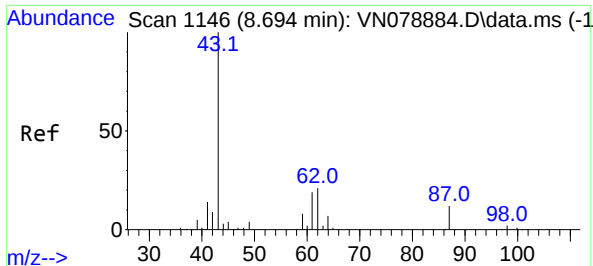
Delta R.T. -0.141 min

Lab File: VN079098.D

Acq: 29 Aug 2023 16:54

Tgt Ion:	117	Resp:	14888
Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.3	115.9#
121	0.0	23.3	34.9#





#43

Isopropyl Acetate

Concen: 34.708 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

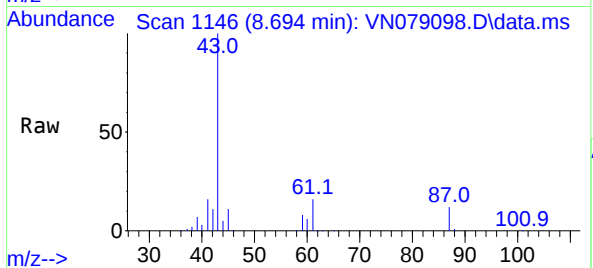
Lab File: VN079098.D

Acq: 29 Aug 2023 16:54

Instrument :

MSVOA_N

ClientSampleId :



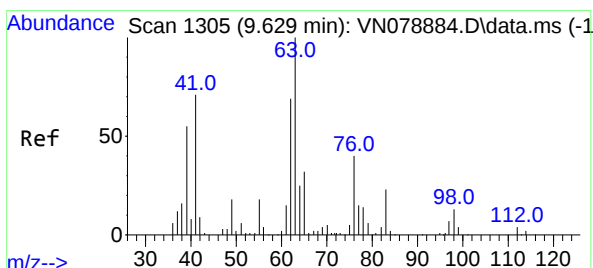
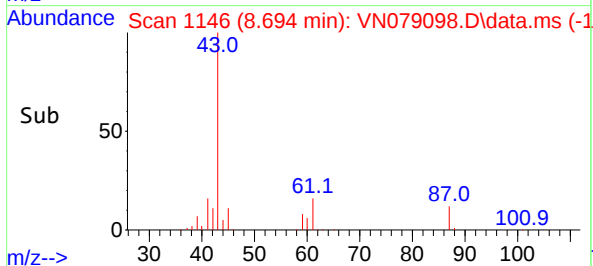
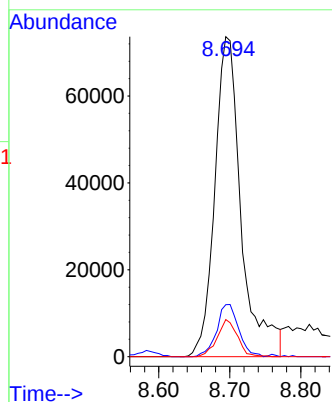
Tgt Ion: 43 Resp: 189977

Ion Ratio Lower Upper

43 100

61 13.6 24.7 37.1#

87 8.9 14.6 21.8#



#45

1,2-Dichloropropane

Concen: 0.892 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.123 min

Lab File: VN079098.D

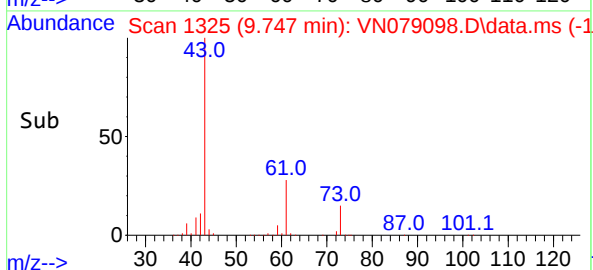
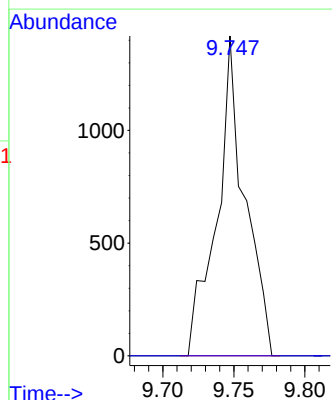
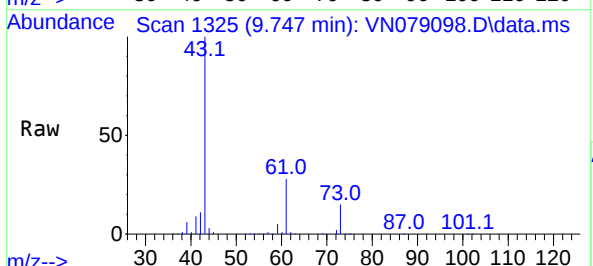
Acq: 29 Aug 2023 16:54

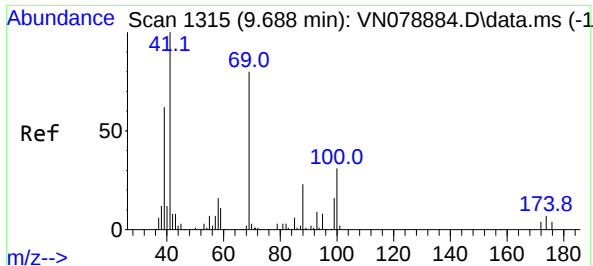
Tgt Ion: 63 Resp: 1942

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 57.114 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN079098.D

Acq: 29 Aug 2023 16:54

Instrument :

MSVOA_N

ClientSampleId :

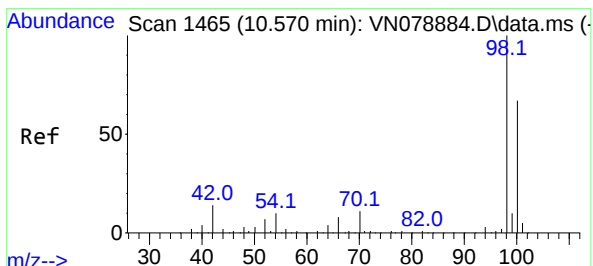
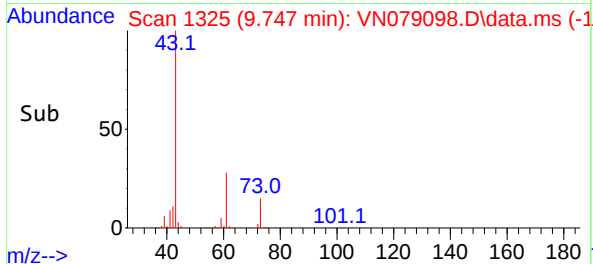
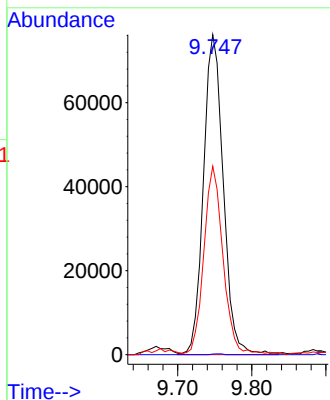
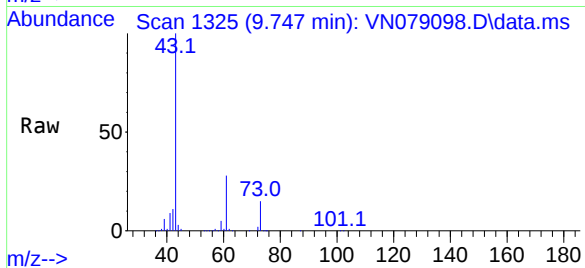
Tgt Ion: 41 Resp: 141662

Ion Ratio Lower Upper

41 100

69 0.1 90.4 135.6#

39 56.0 54.6 81.8



#50

Toluene-d8

Concen: 52.096 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079098.D

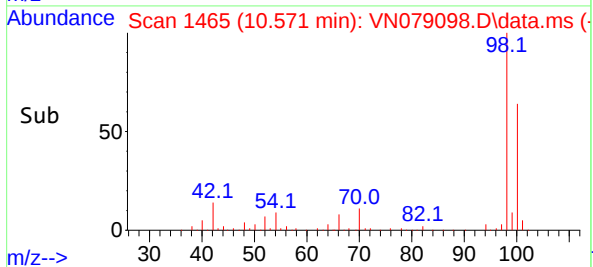
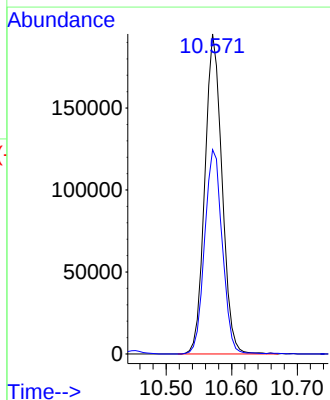
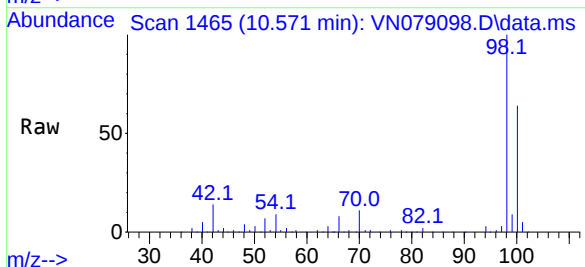
Acq: 29 Aug 2023 16:54

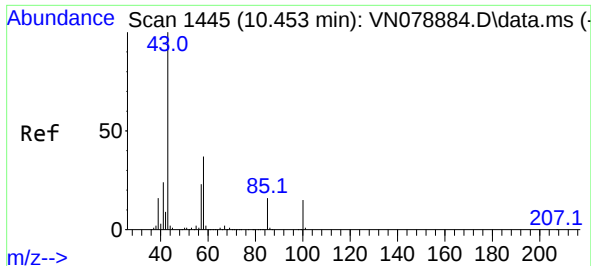
Tgt Ion: 98 Resp: 355926

Ion Ratio Lower Upper

98 100

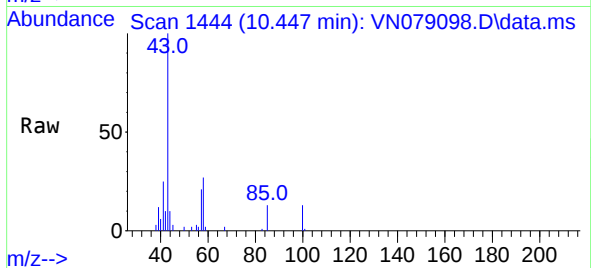
100 65.4 52.0 78.0



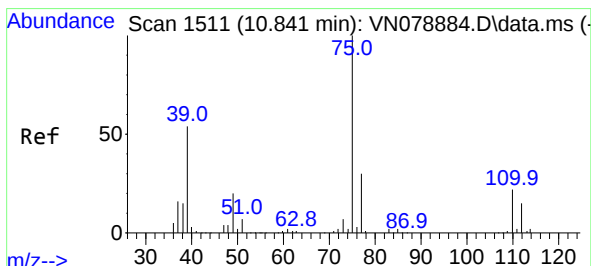
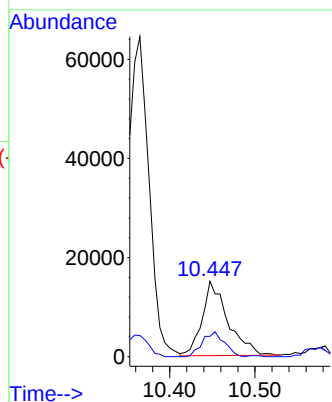
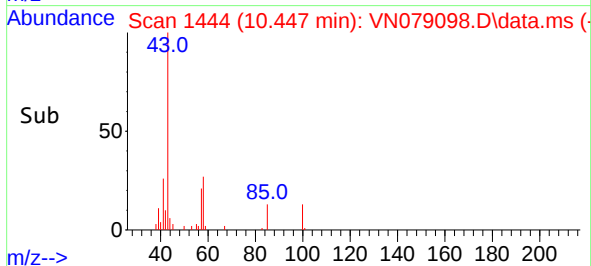


#51
4-Methyl-2-Pentanone
Concen: 9.729 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Instrument :
MSVOA_N
ClientSampleId :

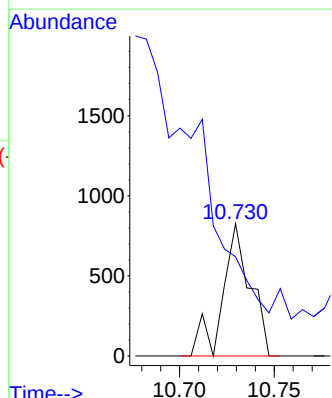
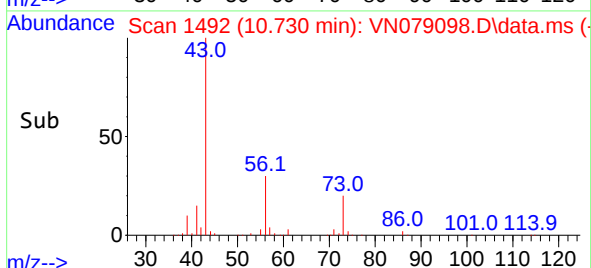
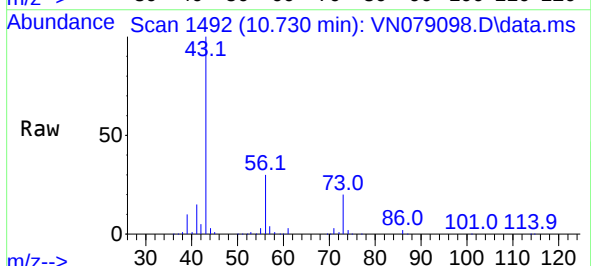


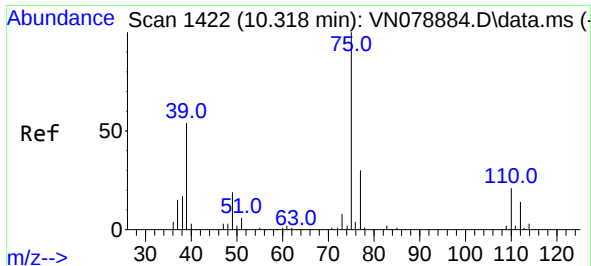
Tgt Ion: 43 Resp: 31583
Ion Ratio Lower Upper
43 100
58 28.6 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.265 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.111 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Tgt Ion: 75 Resp: 838
Ion Ratio Lower Upper
75 100
77 24.0 25.4 38.0#

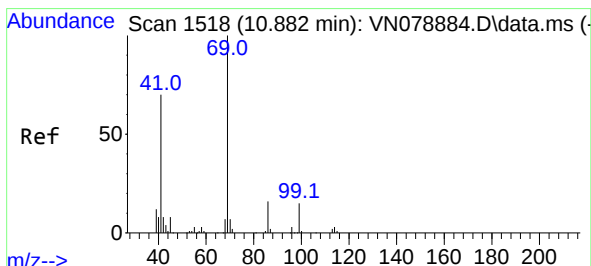
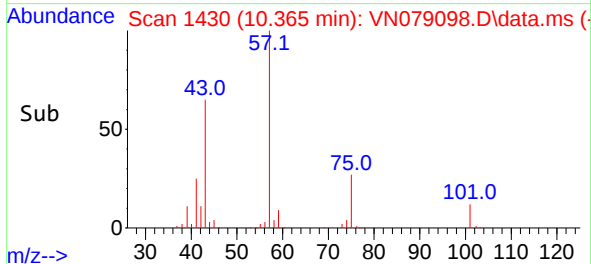
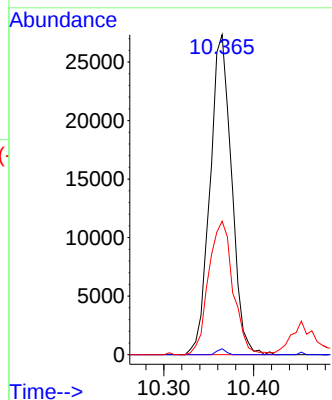
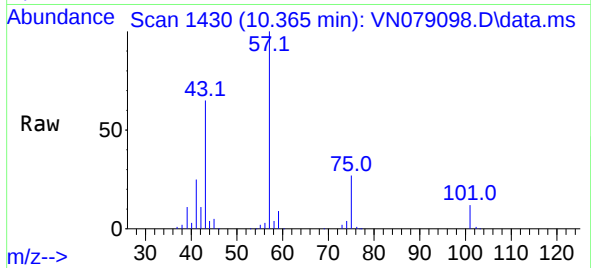




#54
cis-1,3-Dichloropropene
Concen: 13.244 ug/l
RT: 10.365 min Scan# 1422
Delta R.T. 0.047 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

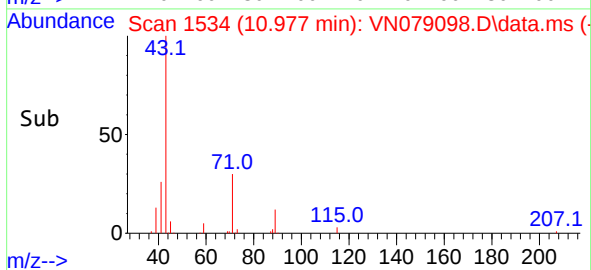
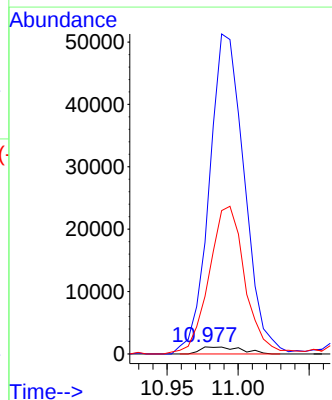
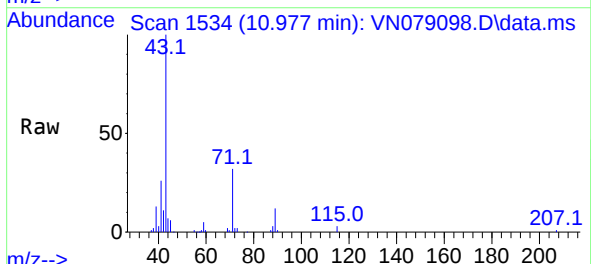
Instrument :
MSVOA_N
ClientSampleId :

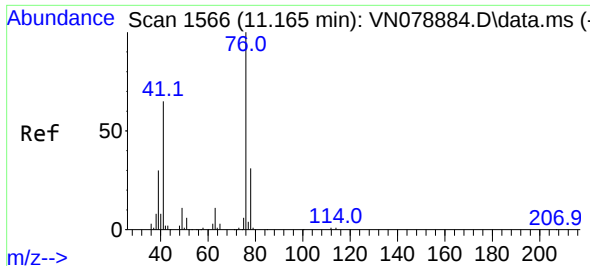
Tgt Ion: 75 Resp: 45633
Ion Ratio Lower Upper
75 100
77 1.9 26.1 39.1#
39 41.7 31.6 47.4



#56
Ethyl methacrylate
Concen: 0.727 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.100 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Tgt Ion: 69 Resp: 2269
Ion Ratio Lower Upper
69 100
41 3891.2 39.6 59.4#
39 1845.8 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.810 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

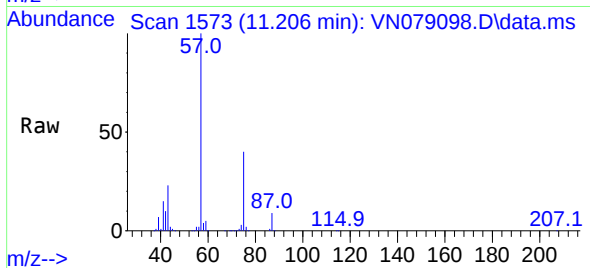
Lab File: VN079098.D

Acq: 29 Aug 2023 16:54

Instrument :

MSVOA_N

ClientSampleId :

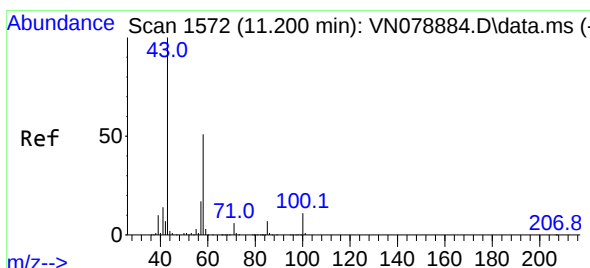
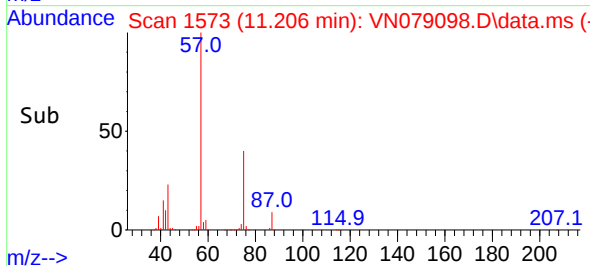
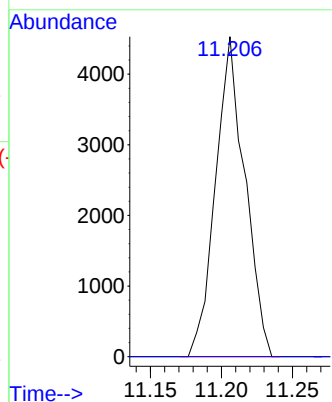


Tgt Ion: 76 Resp: 6520

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 38.424 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079098.D

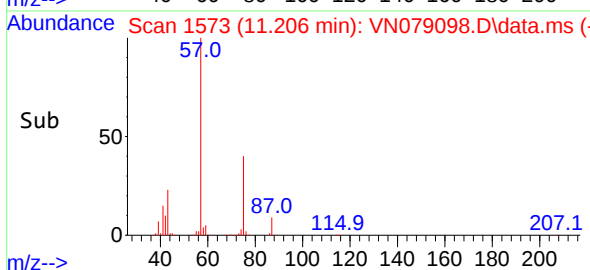
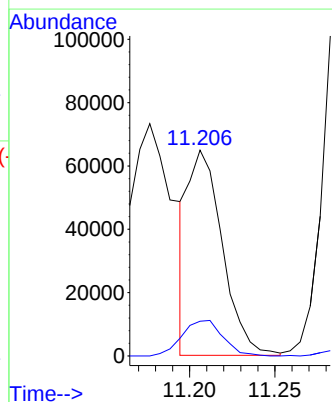
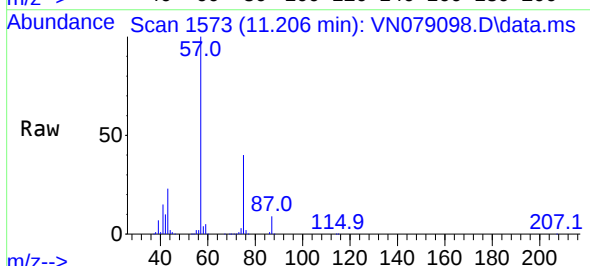
Acq: 29 Aug 2023 16:54

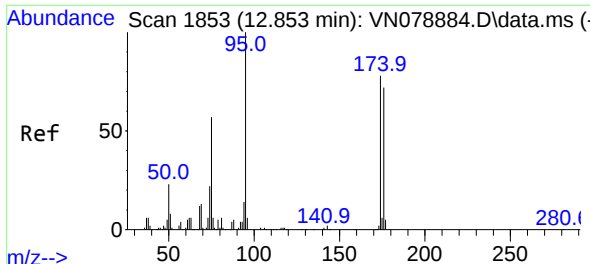
Tgt Ion: 43 Resp: 90350

Ion Ratio Lower Upper

43 100

58 20.8 31.7 95.1#

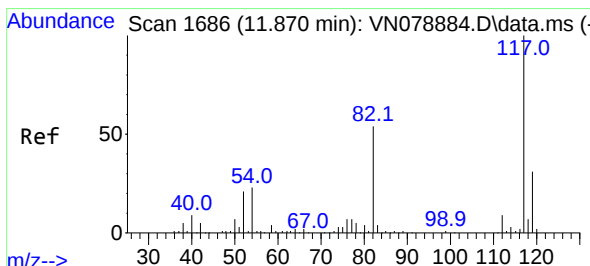
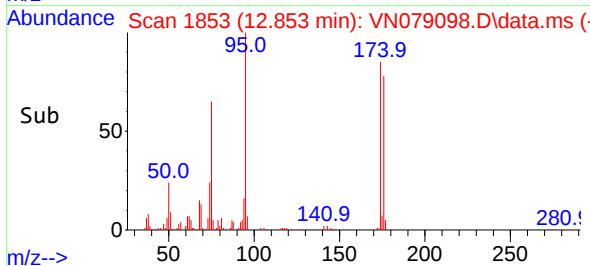
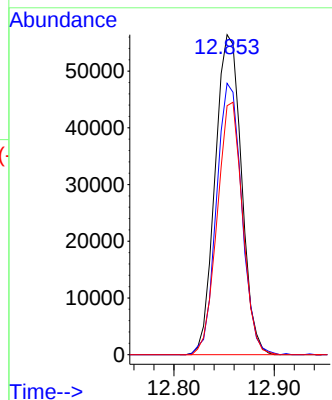
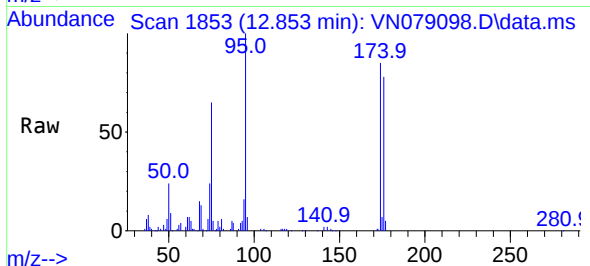




#62
4-Bromofluorobenzene
Concen: 46.016 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

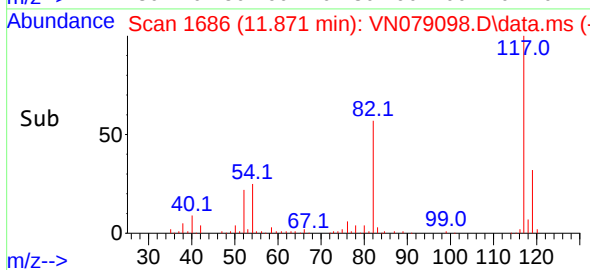
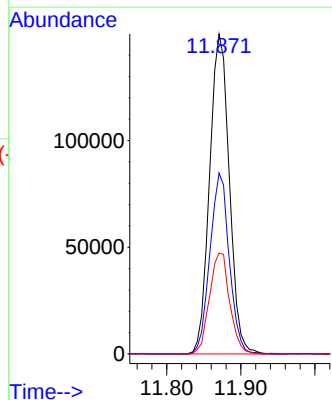
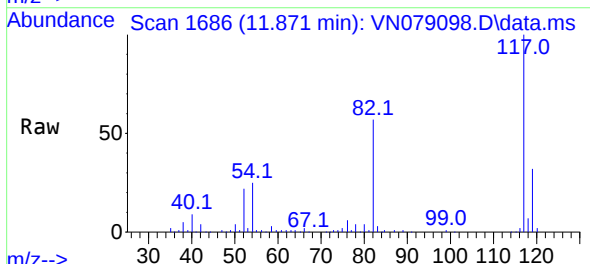
Instrument :
MSVOA_N
ClientSampleId :

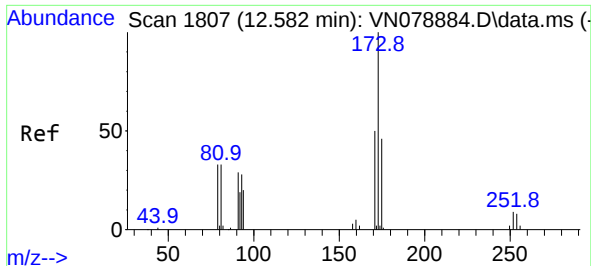
Tgt Ion: 95 Resp: 102761
Ion Ratio Lower Upper
95 100
174 81.7 0.0 143.8
176 75.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Tgt Ion: 117 Resp: 276537
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 31.5 25.6 38.4

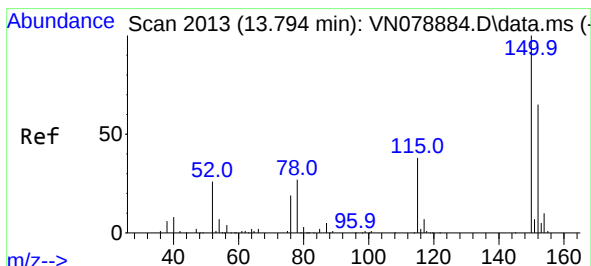
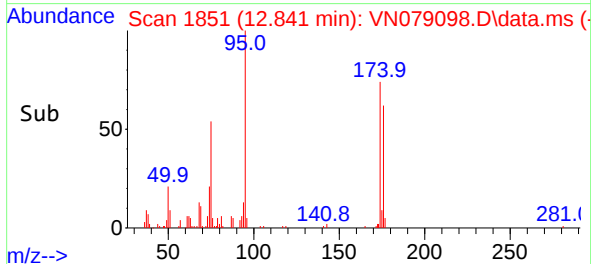
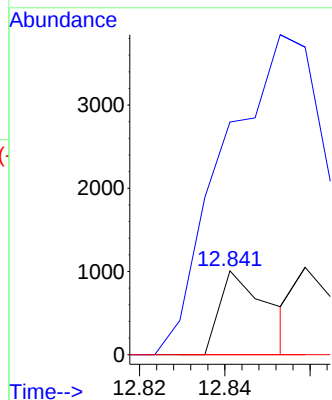
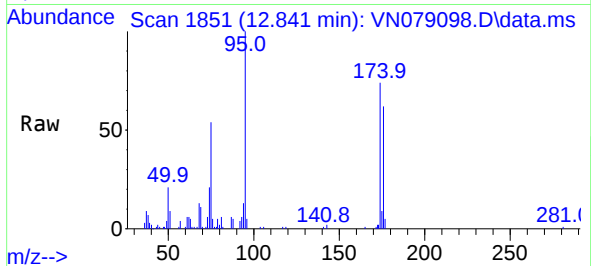




#71
Bromoform
Concen: 0.493 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.259 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

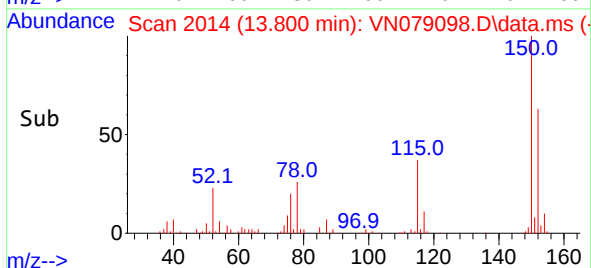
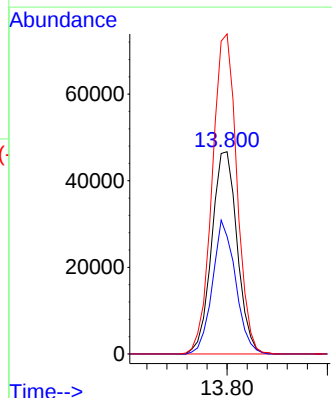
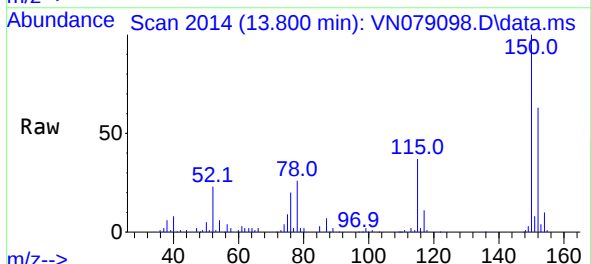
Instrument :
MSVOA_N
ClientSampleId :

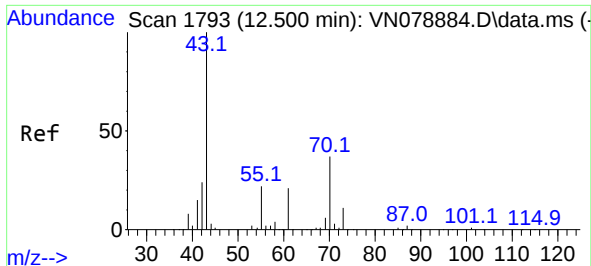
Tgt Ion:173 Resp: 797
Ion Ratio Lower Upper
173 100
175 685.8 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

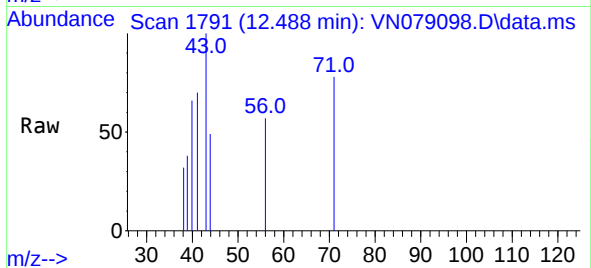
Tgt Ion:152 Resp: 82380
Ion Ratio Lower Upper
152 100
115 59.9 32.3 96.8
150 153.2 0.0 355.8





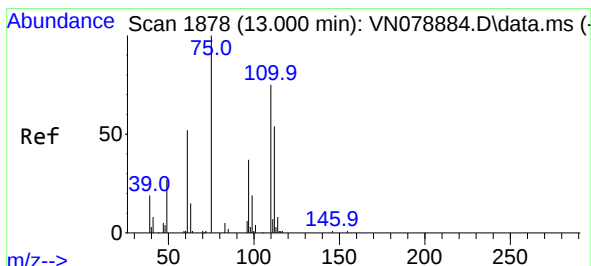
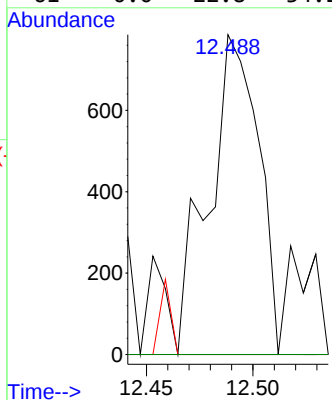
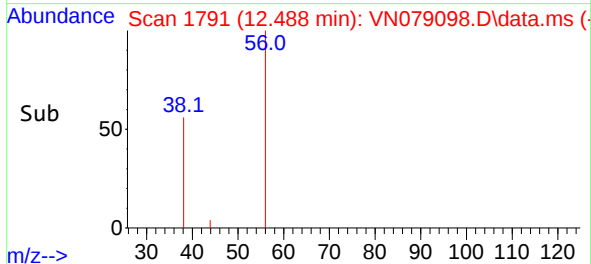
#74
N-amy1 acetate
Concen: 0.368 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 1277

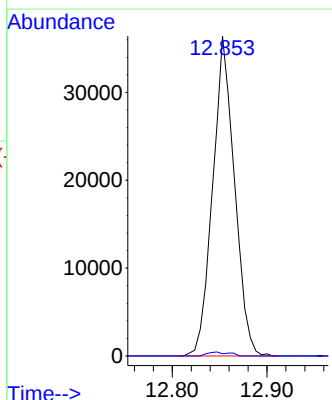
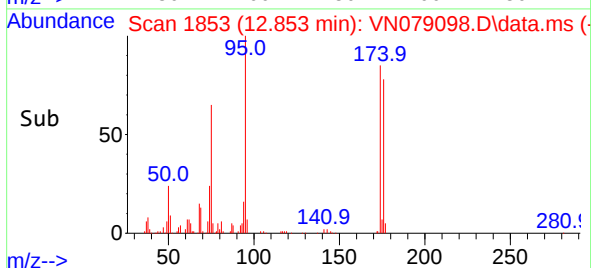
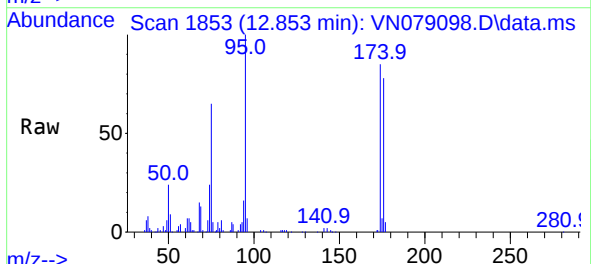
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	0.0	21.4	32.0#
61	0.0	22.8	34.2#

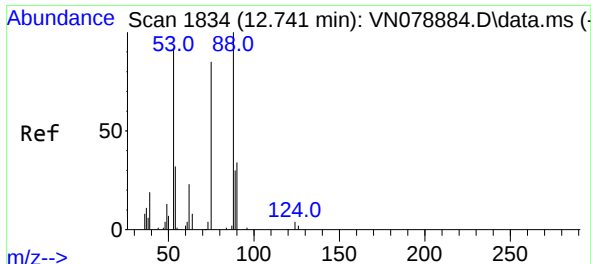


#76
1,2,3-Trichloropropane
Concen: 29.305 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Tgt Ion: 75 Resp: 58169

Ion	Ratio	Lower	Upper
75	100		
77	1.2	84.5	253.5#

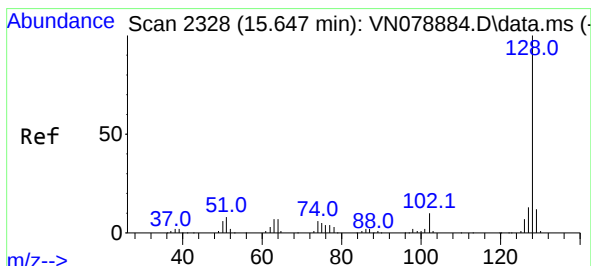
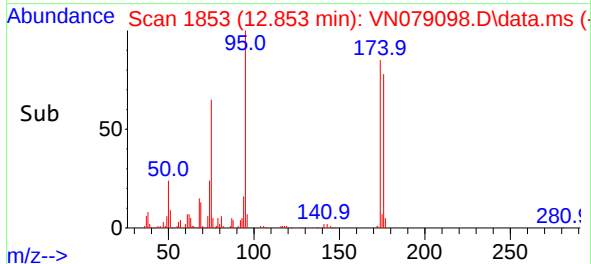
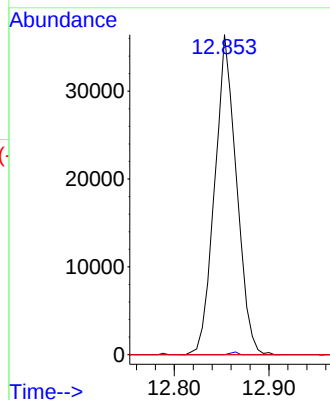
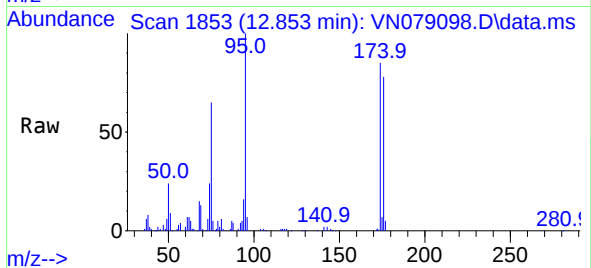




#81
trans-1,4-Dichloro-2-butene
Concen: 74.861 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 58169
Ion Ratio Lower Upper
75 100
53 0.3 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.595 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079098.D
Acq: 29 Aug 2023 16:54

Tgt Ion:128 Resp: 80
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

