

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079093.D
 Acq On : 29 Aug 2023 14:53
 Operator : JC\MD
 Sample : PB155153ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 23:30:01 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)

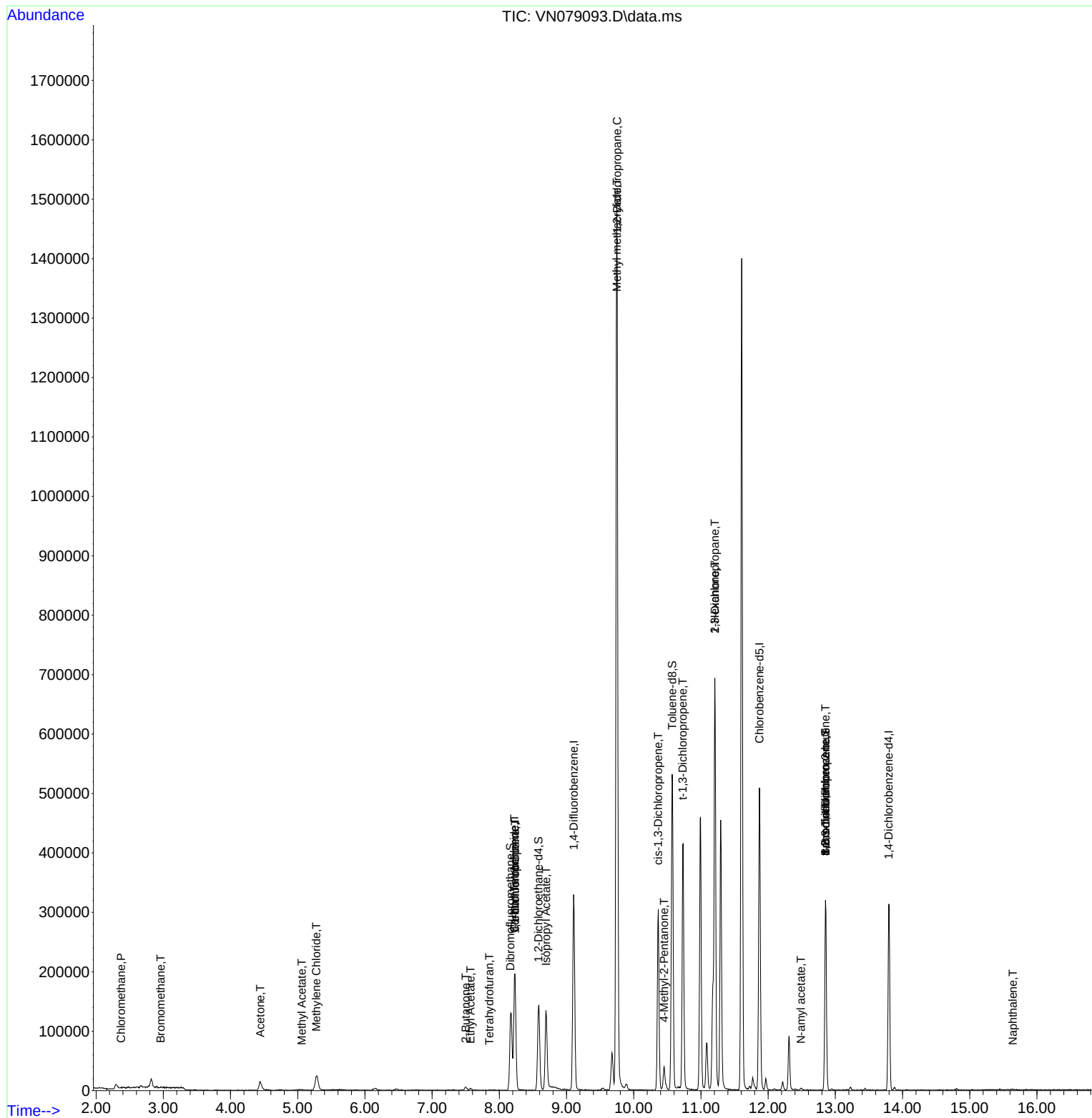
Internal Standards						
1) Pentafluorobenzene	8.230	168	140064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	270851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	276861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	83342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	118622	54.426	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.860%			
35) Dibromofluoromethane	8.165	113	96174	52.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.500%			
50) Toluene-d8	10.571	98	360474	53.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.500%			
62) 4-Bromofluorobenzene	12.853	95	106768	48.251	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.500%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	975	0.359	ug/l #	42
5) Bromomethane	2.959	94	370	0.271	ug/l #	16
16) Acetone	4.442	43	25919	28.821	ug/l	94
18) Methyl Acetate	5.059	43	2776	0.731	ug/l #	58
20) Methylene Chloride	5.277	84	17964	9.373	ug/l #	86
25) 2-Butanone	7.500	43	9155	6.350	ug/l #	65
29) Tetrahydrofuran	7.853	42	268	0.281	ug/l #	34
31) Cyclohexane	8.224	56	3951	Below Cal	#	54
36) 1,1-Dichloropropene	8.236	75	12753	4.650	ug/l #	45
37) Ethyl Acetate	7.571	43	4416	1.439	ug/l #	89
38) Carbon Tetrachloride	8.224	117	15709	5.716	ug/l #	17
43) Isopropyl Acetate	8.694	43	153478	28.298	ug/l #	79
45) 1,2-Dichloropropane	9.753	63	1953	0.905	ug/l #	45
48) Methyl methacrylate	9.747	41	143831	58.522	ug/l #	29
51) 4-Methyl-2-Pentanone	10.453	43	31358	9.748	ug/l #	79
53) t-1,3-Dichloropropene	10.730	75	1181	0.377	ug/l #	83
54) cis-1,3-Dichloropropene	10.365	75	49744	14.570	ug/l #	73
57) 1,3-Dichloropropane	11.206	76	7633	2.138	ug/l #	42
59) 2-Hexanone	11.206	43	96041	41.221	ug/l #	44
71) Bromoform	12.853	173	631	0.390	ug/l #	1
74) N-amyl acetate	12.488	43	1540	0.439	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	57693	28.730	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57693	73.392	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.706	75	54	Below Cal	#	4
94) Hexachlorobutadiene	15.517	225	59	Below Cal	#	19
95) Naphthalene	15.641	128	954	2.810	ug/l #	86

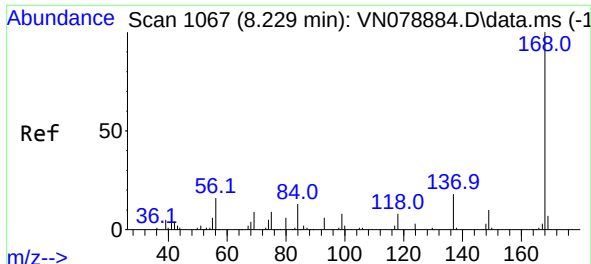
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
Data File : VN079093.D
Acq On : 29 Aug 2023 14:53
Operator : JC\MD
Sample : PB155153ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

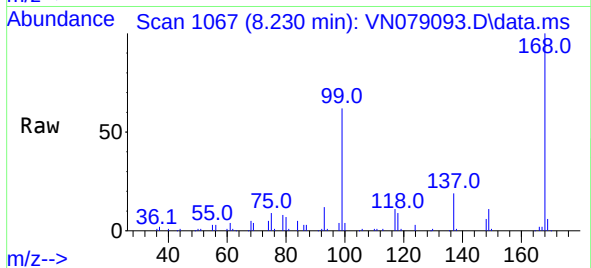
Quant Time: Aug 29 23:30:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration



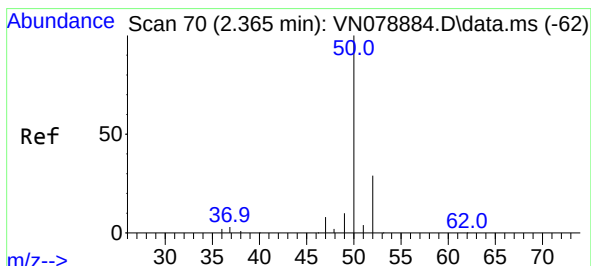
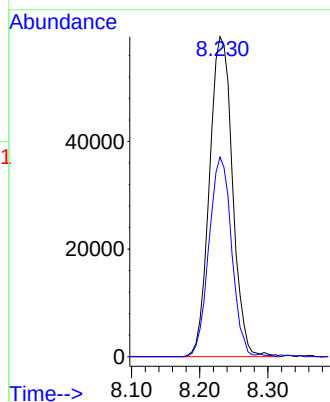
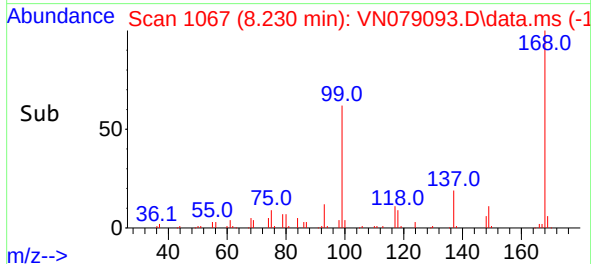


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

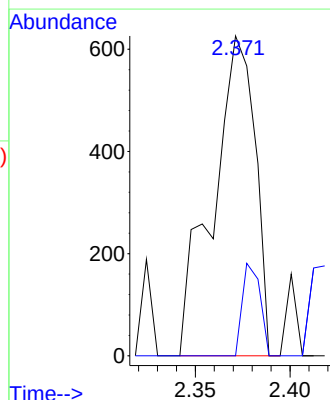
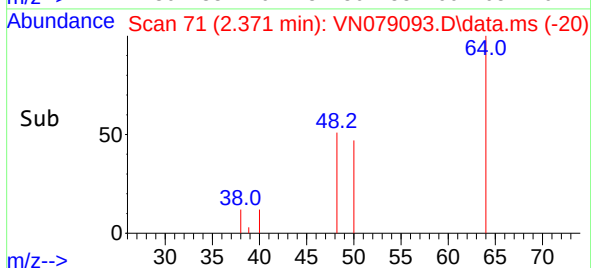
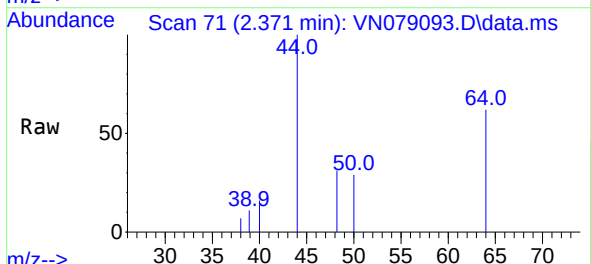


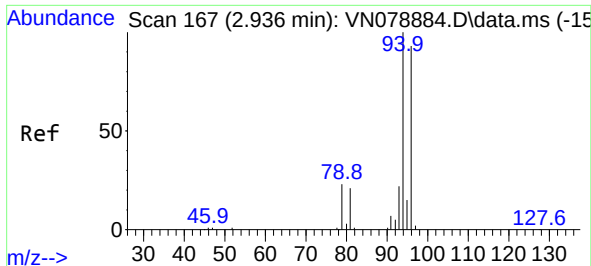
Tgt Ion:168 Resp: 140064
Ion Ratio Lower Upper
168 100
99 62.4 53.0 79.6



#3
Chloromethane
Concen: 0.359 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Tgt Ion: 50 Resp: 975
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

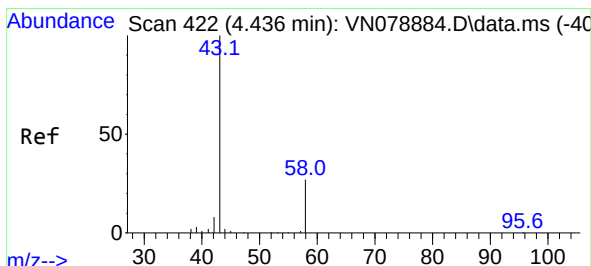
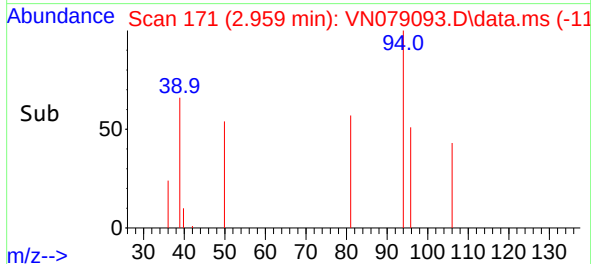
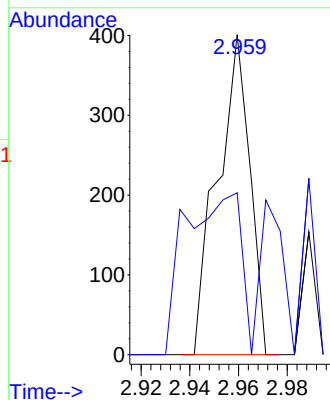
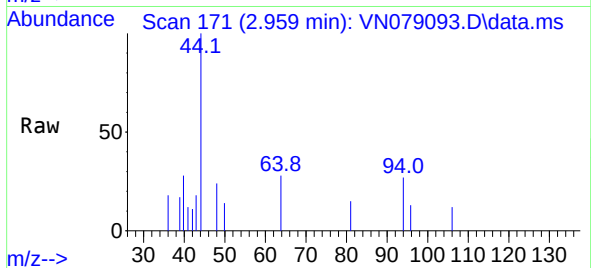




#5
Bromomethane
Concen: 0.271 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

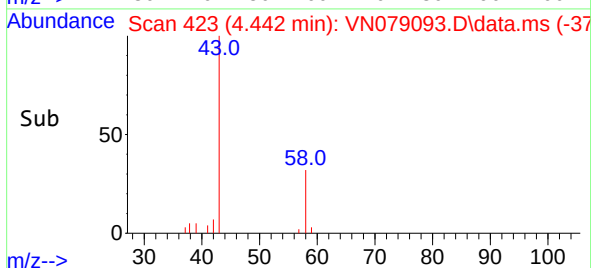
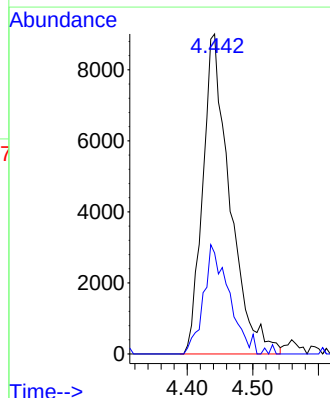
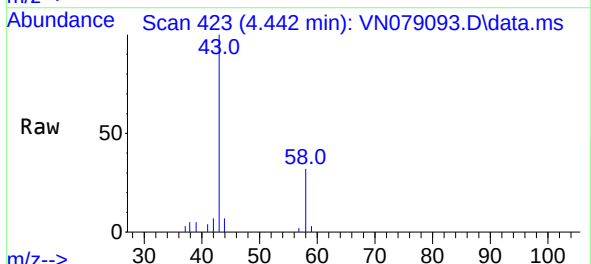
Instrument :
MSVOA_N
ClientSampleId :

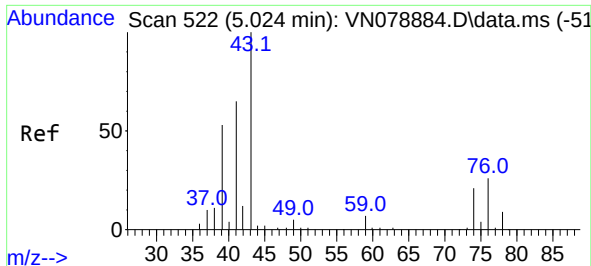
Tgt Ion: 94 Resp: 370
Ion Ratio Lower Upper
94 100
96 12.0 73.1 109.7#



#16
Acetone
Concen: 28.821 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Tgt Ion: 43 Resp: 25919
Ion Ratio Lower Upper
43 100
58 31.6 28.0 42.0

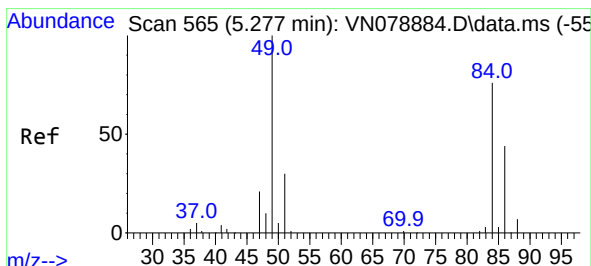
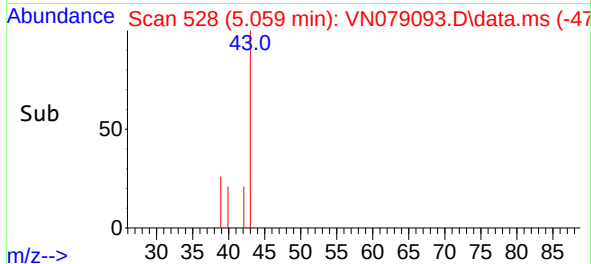
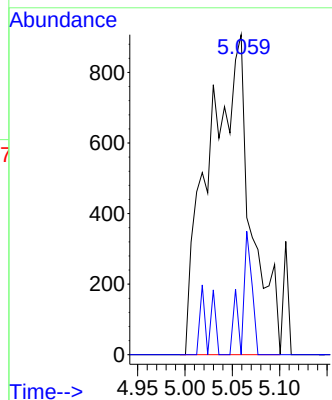
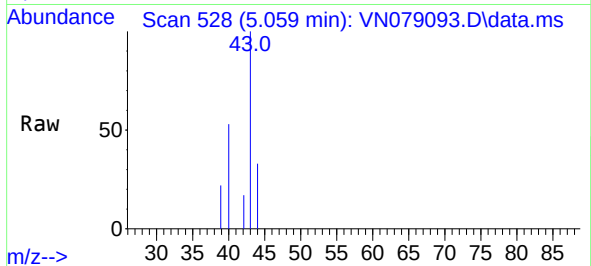




#18
Methyl Acetate
Concen: 0.731 ug/l
RT: 5.059 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

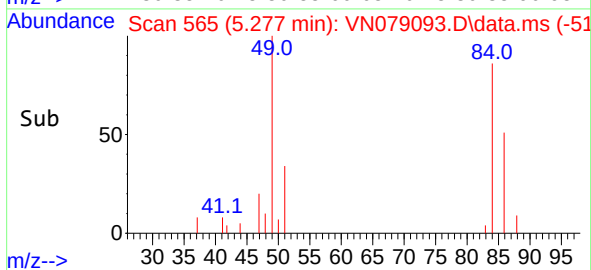
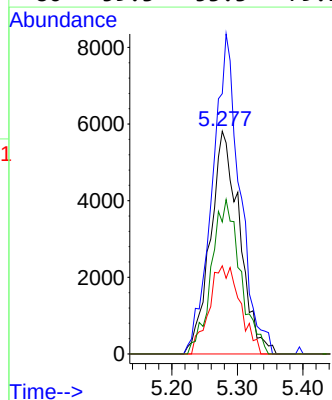
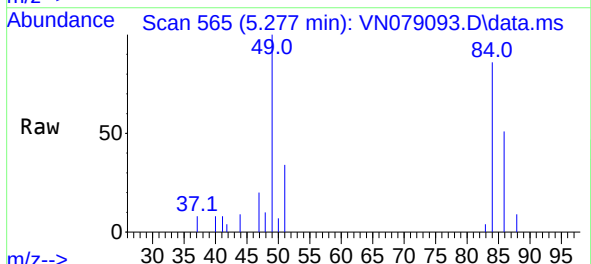
Instrument :
MSVOA_N
ClientSampleId :

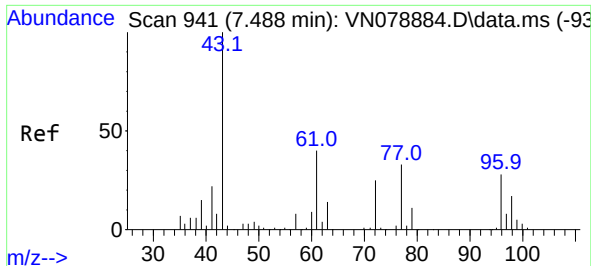
Tgt Ion: 43 Resp: 2776
Ion Ratio Lower Upper
43 100
74 9.3 26.2 39.4#



#20
Methylene Chloride
Concen: 9.373 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Tgt Ion: 84 Resp: 17964
Ion Ratio Lower Upper
84 100
49 116.9 79.7 119.5
51 39.6 25.2 37.8#
86 59.3 53.3 79.9

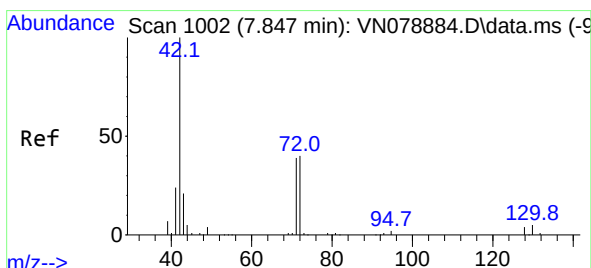
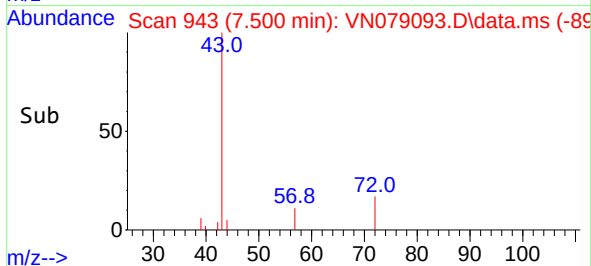
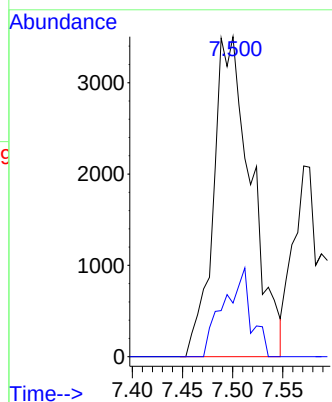
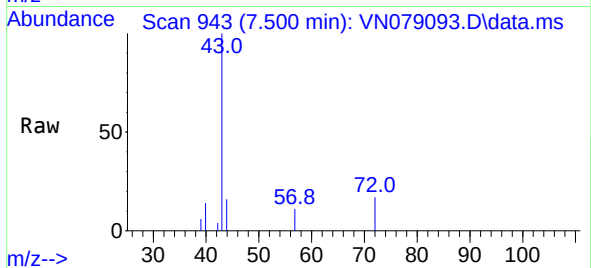




#25
2-Butanone
Concen: 6.350 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

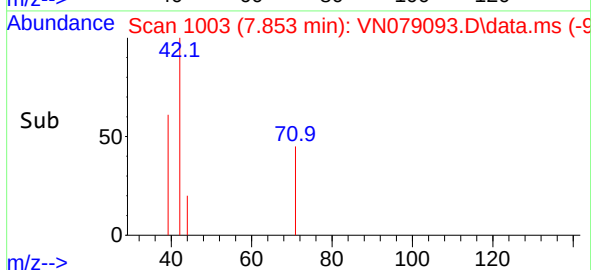
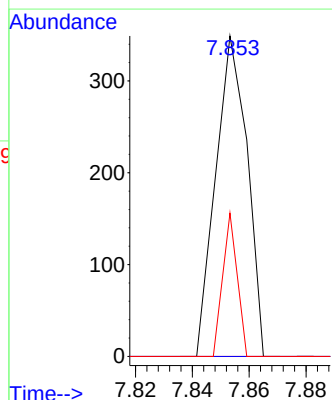
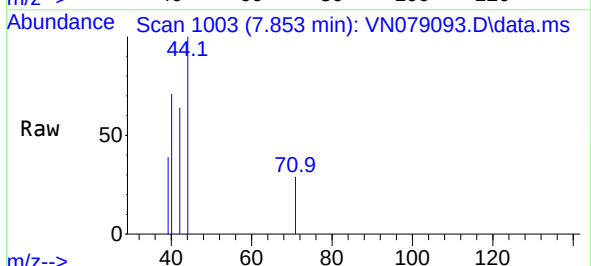
Instrument :
MSVOA_N
ClientSampleId :

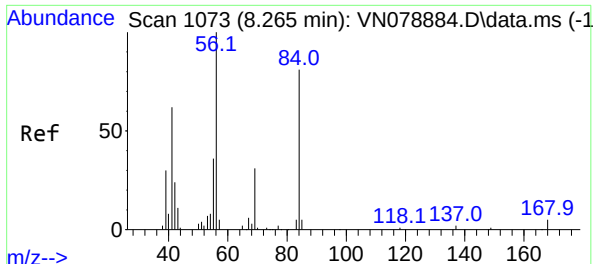
Tgt Ion: 43 Resp: 9155
Ion Ratio Lower Upper
43 100
72 16.8 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.281 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

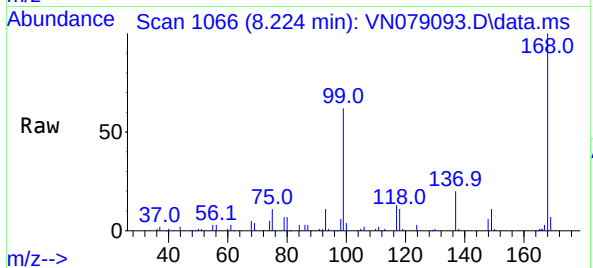
Tgt Ion: 42 Resp: 268
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 20.5 47.4 71.2#



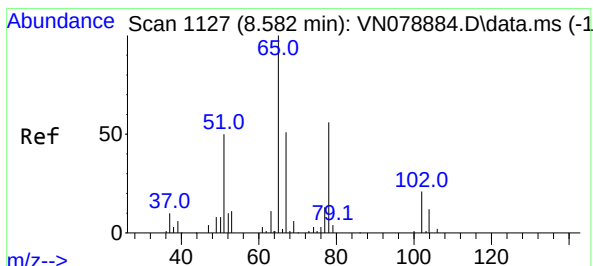
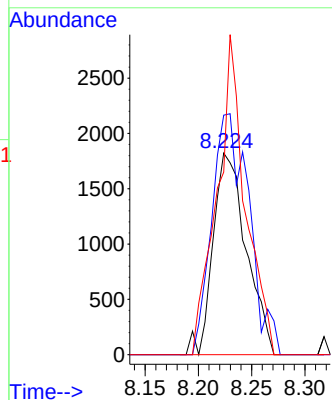
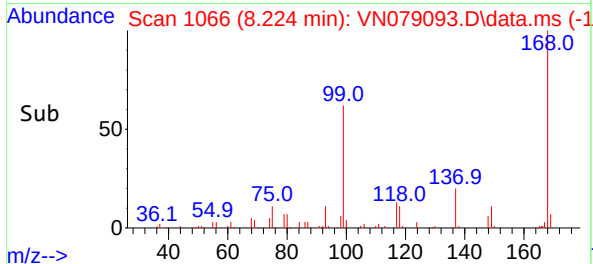


#31
Cyclohexane
Concen: Below Cal
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

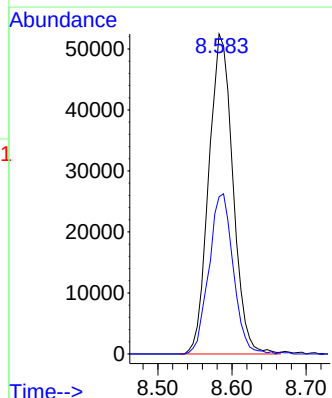
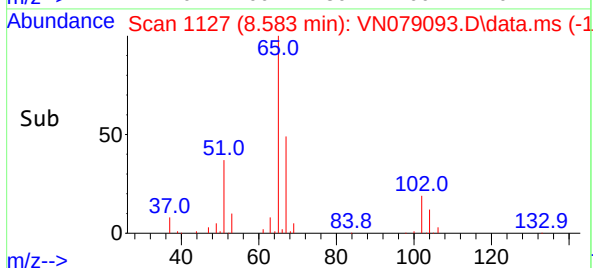
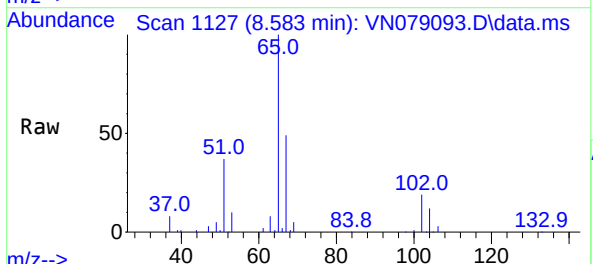


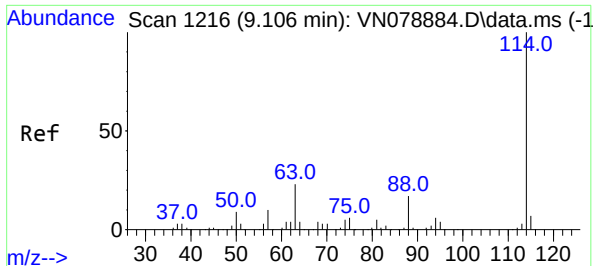
Tgt Ion: 56 Resp: 3951
Ion Ratio Lower Upper
56 100
69 118.8 26.8 40.2#
84 90.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.426 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Tgt Ion: 65 Resp: 118622
Ion Ratio Lower Upper
65 100
67 50.4 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: VN079093.D

Acq: 29 Aug 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

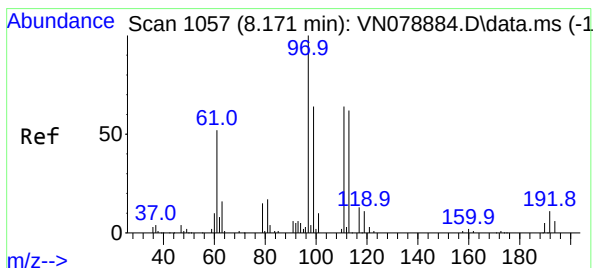
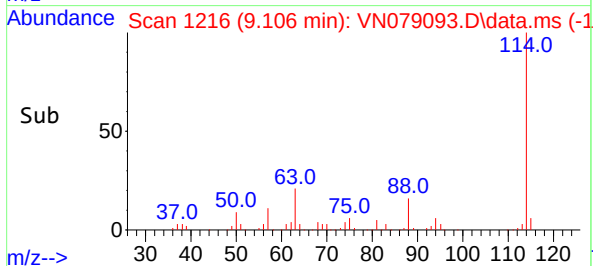
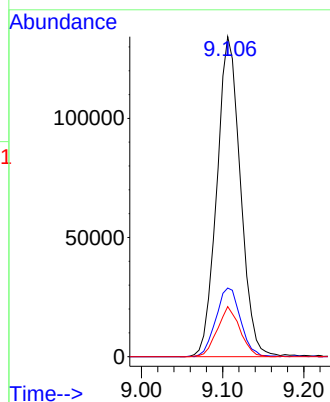
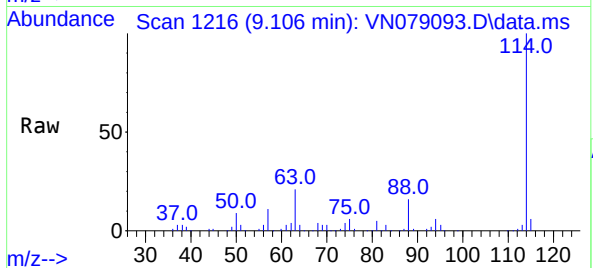
Tgt Ion:114 Resp: 270851

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.749 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN079093.D

Acq: 29 Aug 2023 14:53

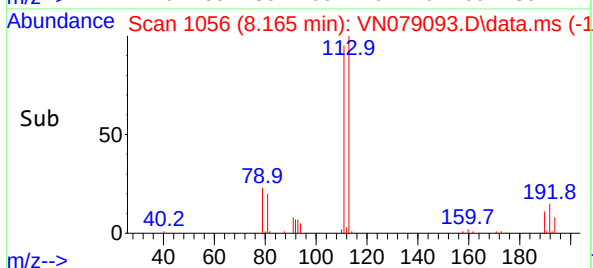
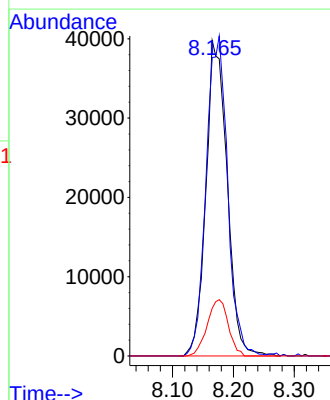
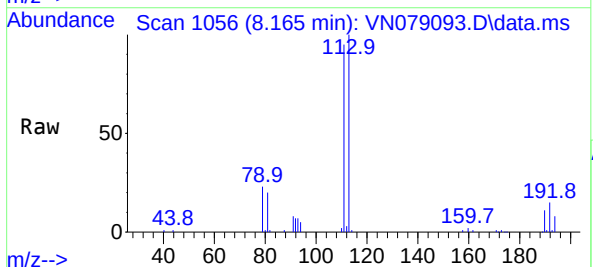
Tgt Ion:113 Resp: 96174

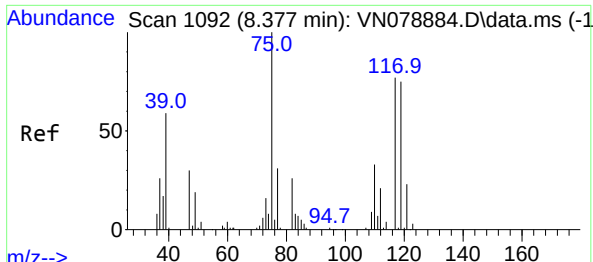
Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

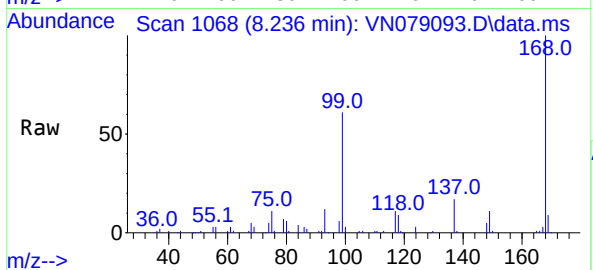
192 17.7 12.7 19.1



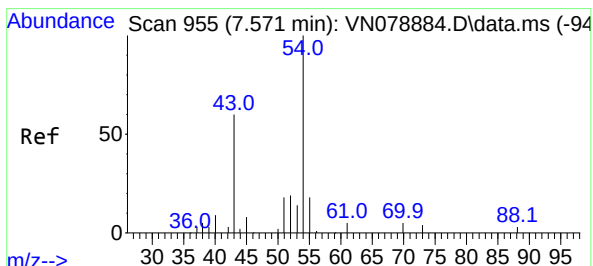
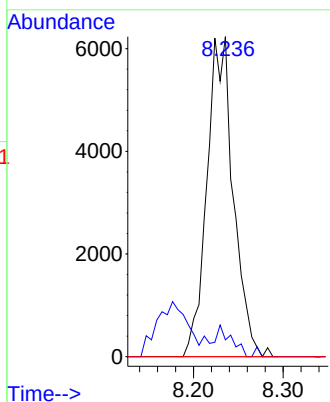
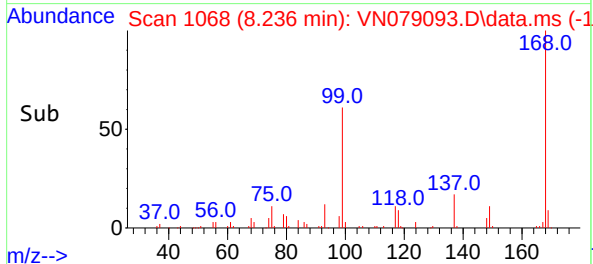


#36
1,1-Dichloropropene
Concen: 4.650 ug/l
RT: 8.236 min Scan# 1092
Delta R.T. -0.141 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

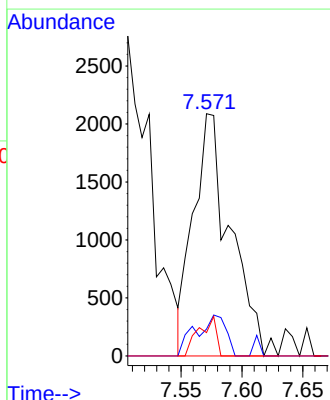
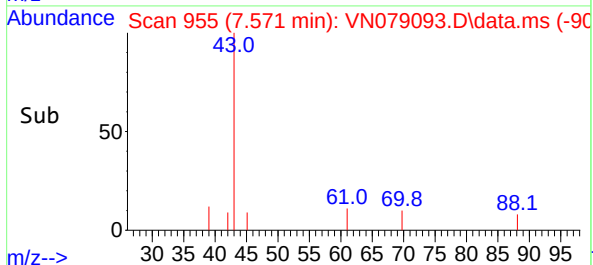
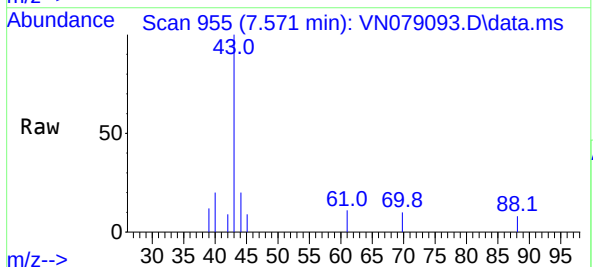


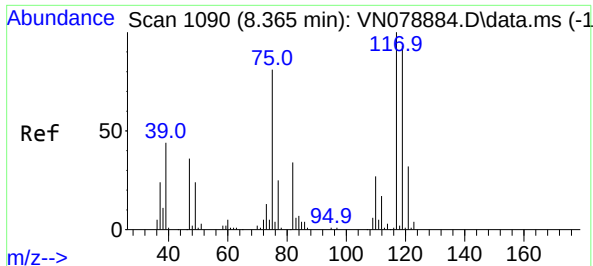
Tgt Ion: 75 Resp: 12753
Ion Ratio Lower Upper
75 100
110 5.8 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.439 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.000 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

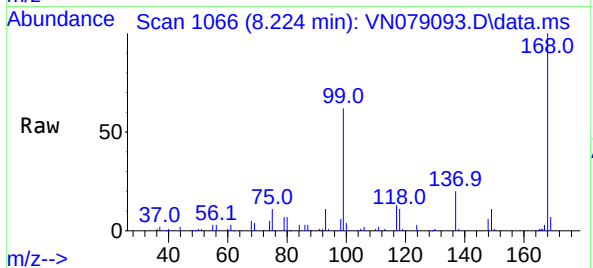
Tgt Ion: 43 Resp: 4416
Ion Ratio Lower Upper
43 100
61 13.7 13.2 19.8
70 7.7 11.3 16.9#



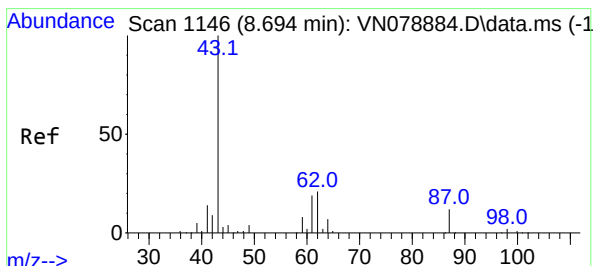
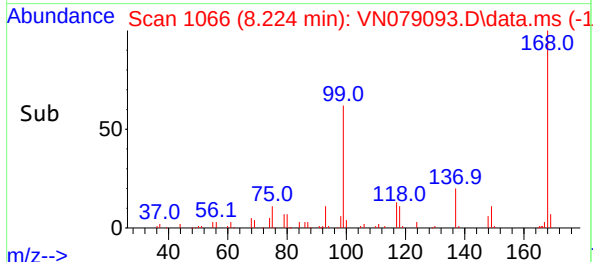
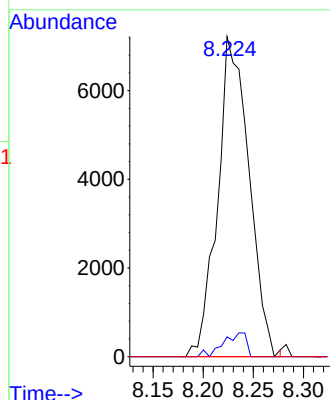


#38
Carbon Tetrachloride
Concen: 5.716 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

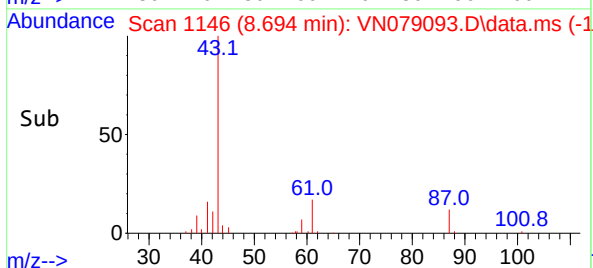
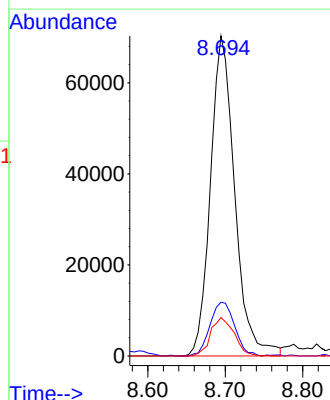
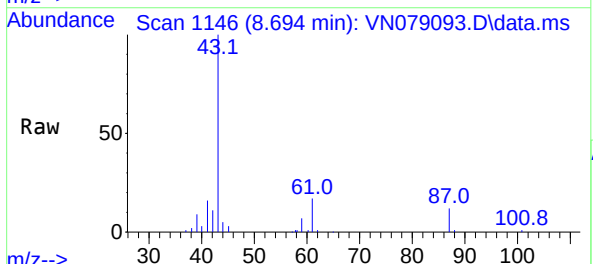


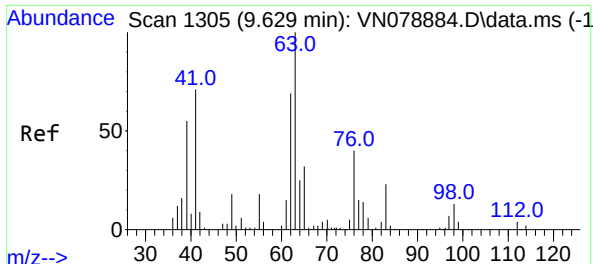
Tgt Ion:117 Resp: 15709
Ion Ratio Lower Upper
117 100
119 6.2 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 28.298 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Tgt Ion: 43 Resp: 153478
Ion Ratio Lower Upper
43 100
61 17.0 24.7 37.1#
87 11.6 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.905 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN079093.D

Acq: 29 Aug 2023 14:53

Instrument :

MSVOA_N

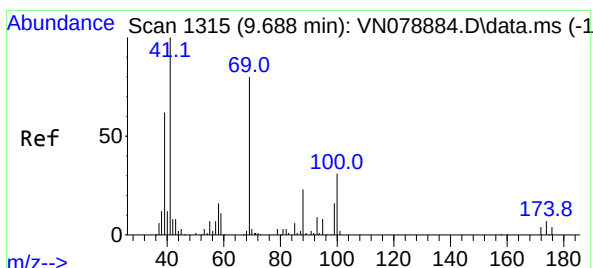
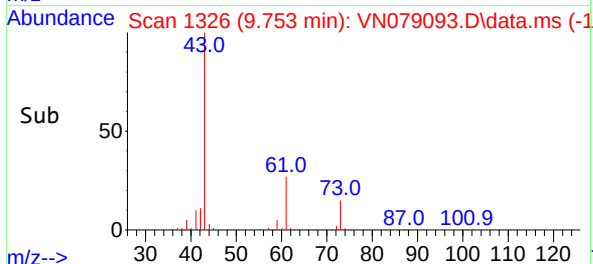
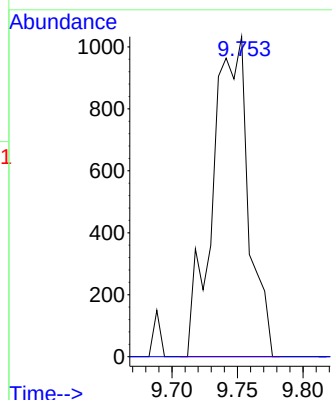
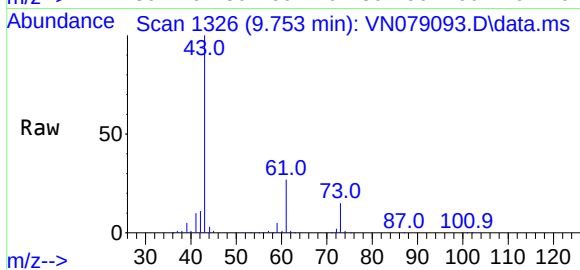
ClientSampleId :

Tgt Ion: 63 Resp: 1953

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 58.522 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.059 min

Lab File: VN079093.D

Acq: 29 Aug 2023 14:53

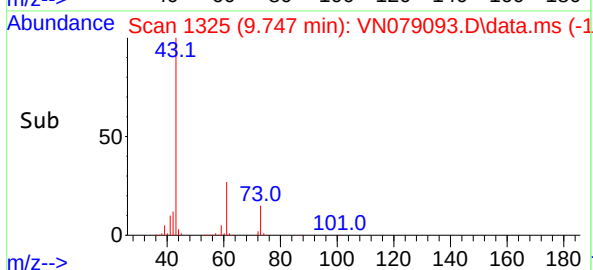
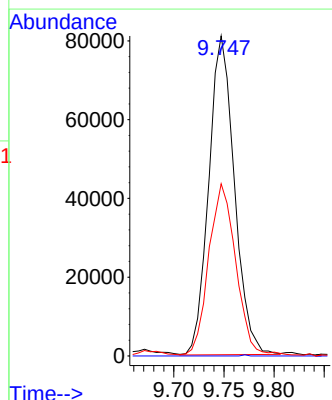
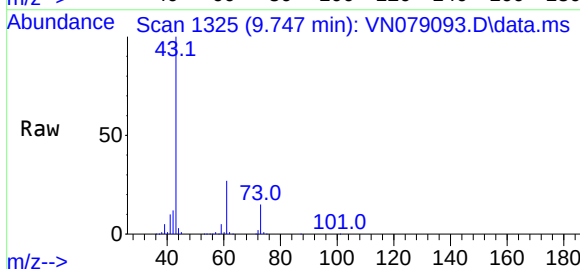
Tgt Ion: 41 Resp: 143831

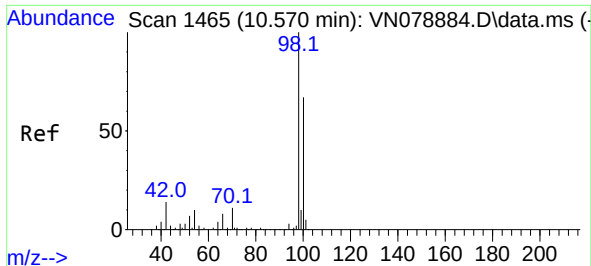
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 56.7 54.6 81.8

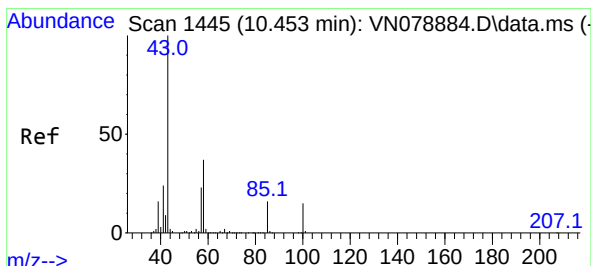
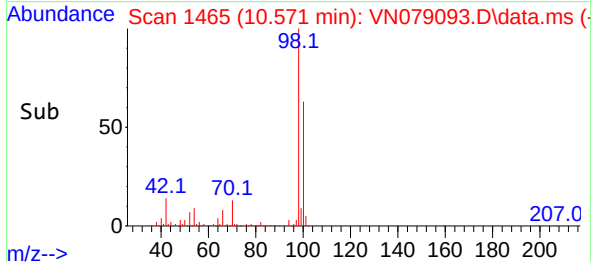
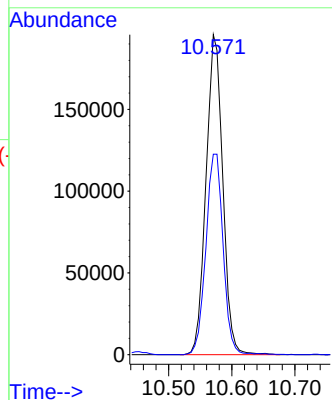
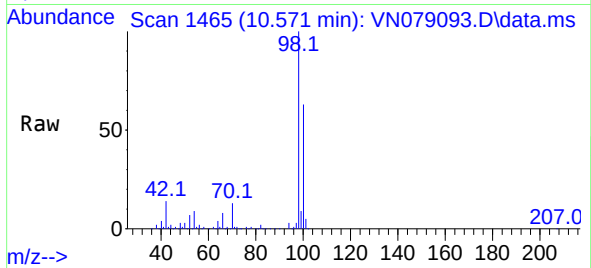




#50
Toluene-d8
Concen: 53.247 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

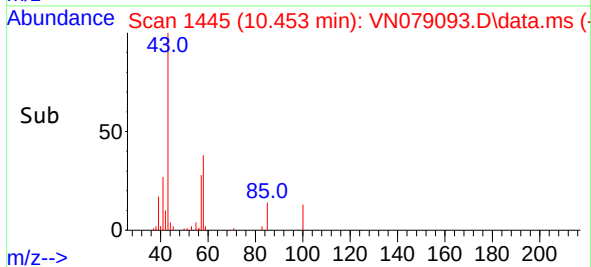
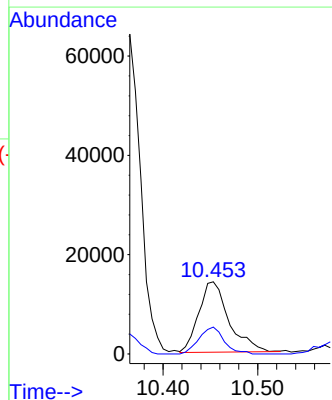
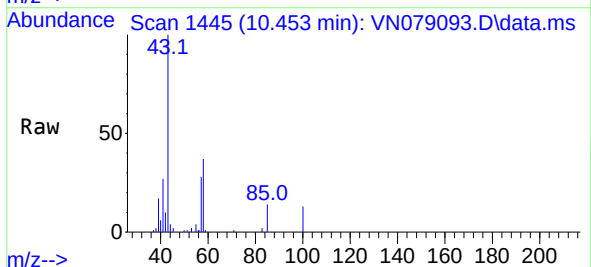
Instrument :
MSVOA_N
ClientSampleId :

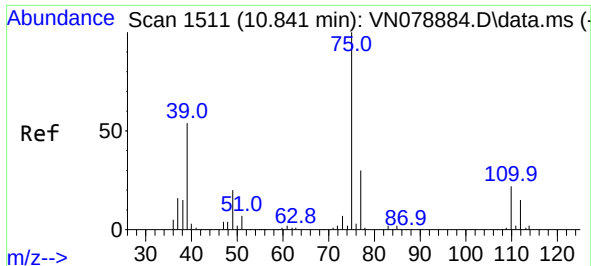
Tgt Ion: 98 Resp: 360474
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 9.748 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Tgt Ion: 43 Resp: 31358
Ion Ratio Lower Upper
43 100
58 31.8 36.6 54.8#

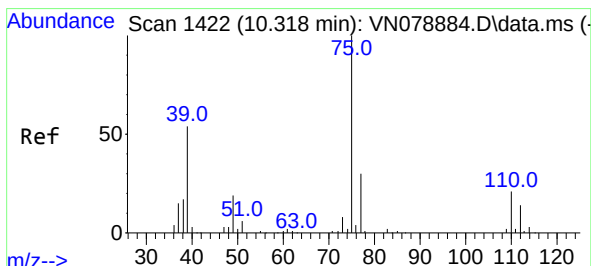
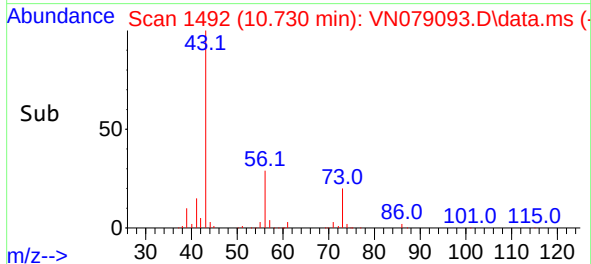
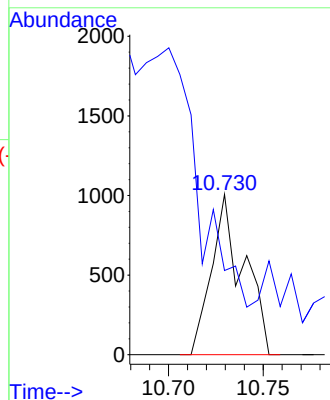
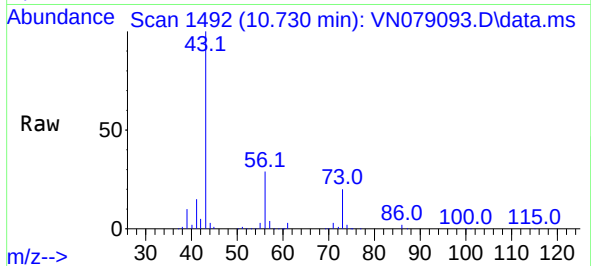




#53
t-1,3-Dichloropropene
Concen: 0.377 ug/l
RT: 10.730 min Scan# 14
Delta R.T. -0.111 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

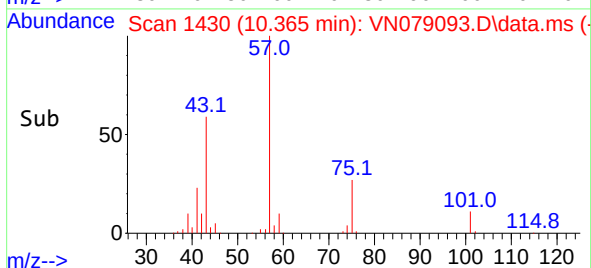
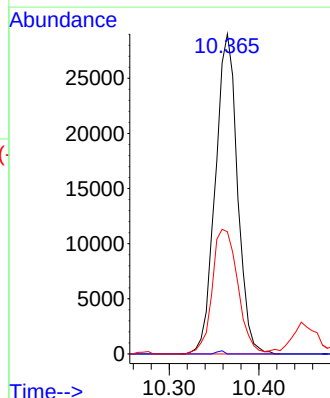
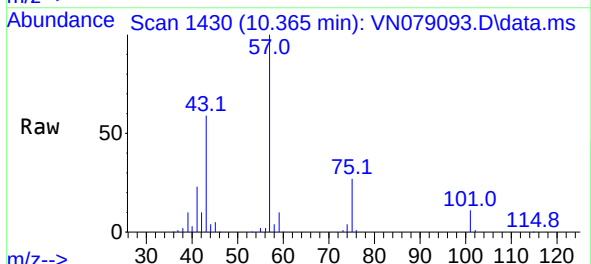
Instrument :
MSVOA_N
ClientSampleId :

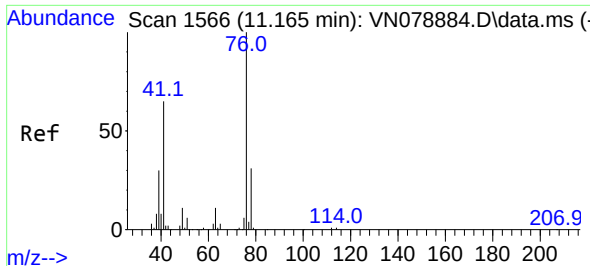
Tgt Ion: 75 Resp: 1181
Ion Ratio Lower Upper
75 100
77 22.4 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 14.570 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Tgt Ion: 75 Resp: 49744
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 38.2 31.6 47.4





#57

1,3-Dichloropropane

Concen: 2.138 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

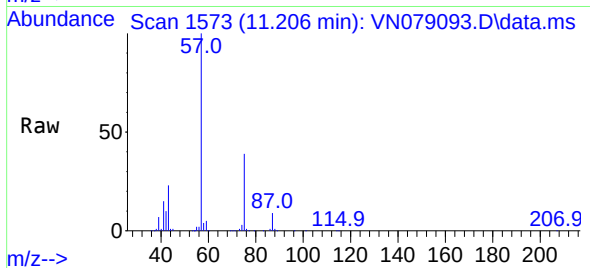
Lab File: VN079093.D

Acq: 29 Aug 2023 14:53

Instrument :

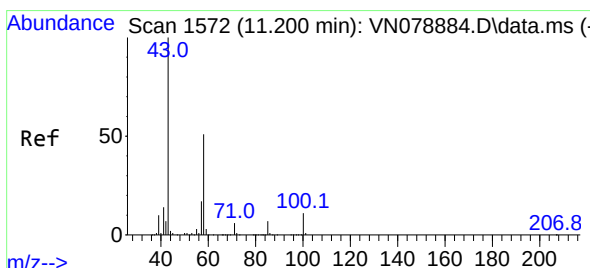
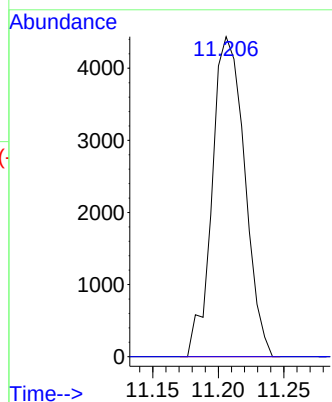
MSVOA_N

ClientSampleId :



Tgt Ion: 76 Resp: 7633

Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.1	39.1#



#59

2-Hexanone

Concen: 41.221 ug/l

RT: 11.206 min Scan# 1573

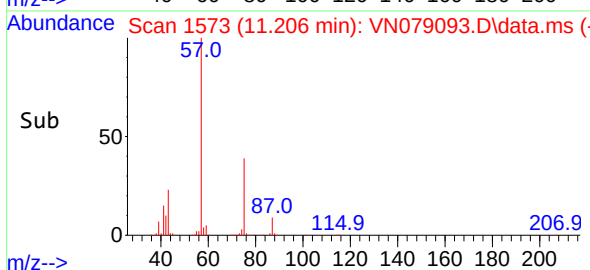
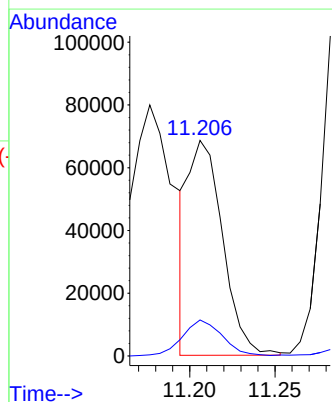
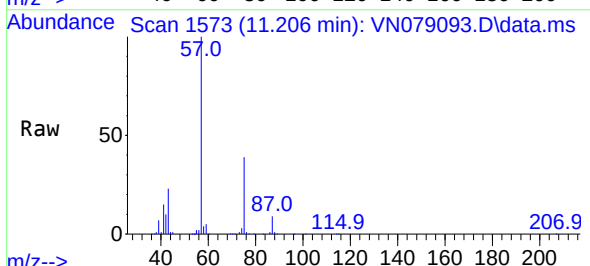
Delta R.T. 0.006 min

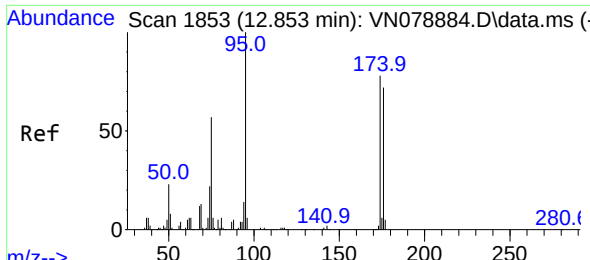
Lab File: VN079093.D

Acq: 29 Aug 2023 14:53

Tgt Ion: 43 Resp: 96041

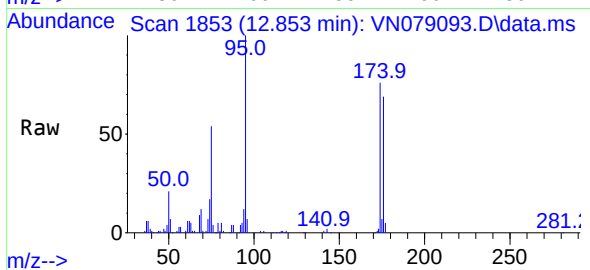
Ion	Ratio	Lower	Upper
43	100		
58	19.6	31.7	95.1#



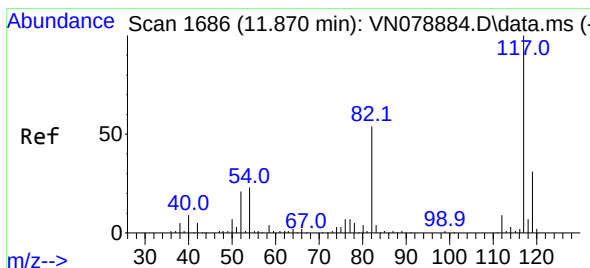
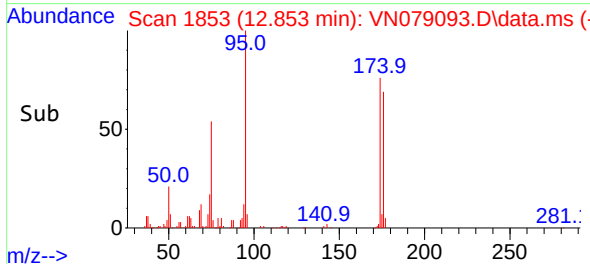
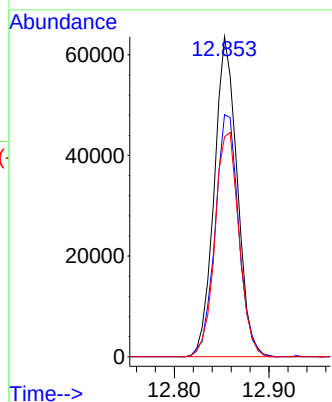


#62
4-Bromofluorobenzene
Concen: 48.251 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

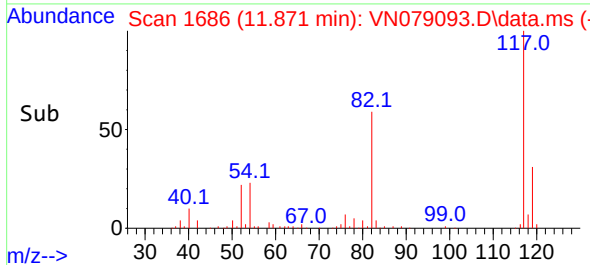
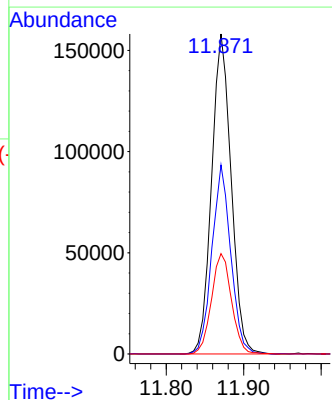
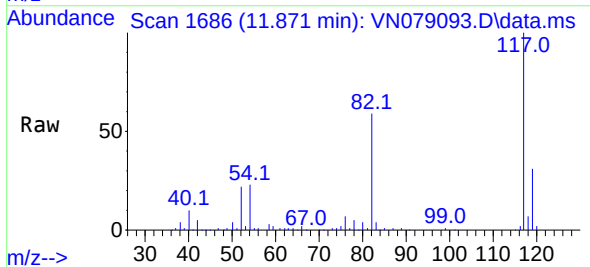


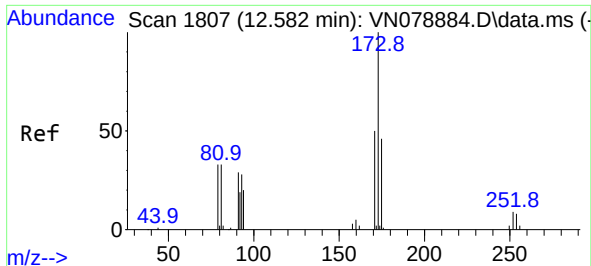
Tgt Ion: 95 Resp: 106768
Ion Ratio Lower Upper
95 100
174 77.9 0.0 143.8
176 73.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Tgt Ion: 117 Resp: 276861
Ion Ratio Lower Upper
117 100
82 59.1 44.0 66.0
119 31.3 25.6 38.4

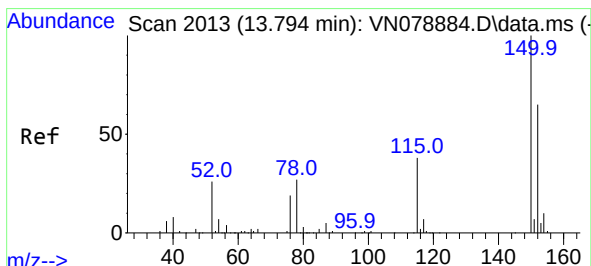
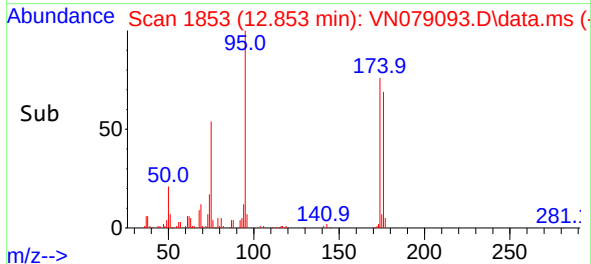
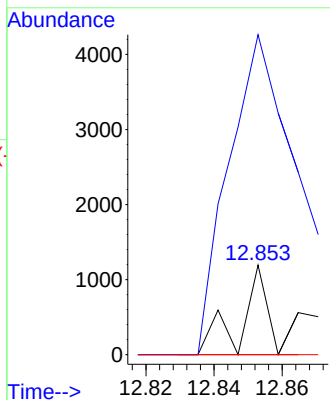
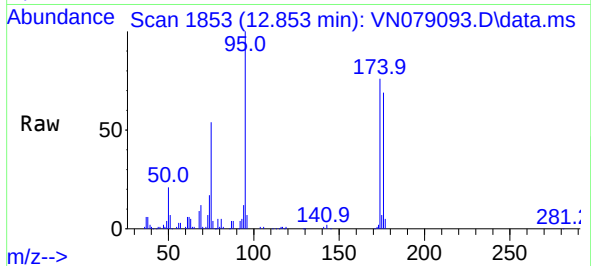




#71
Bromoform
Concen: 0.390 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

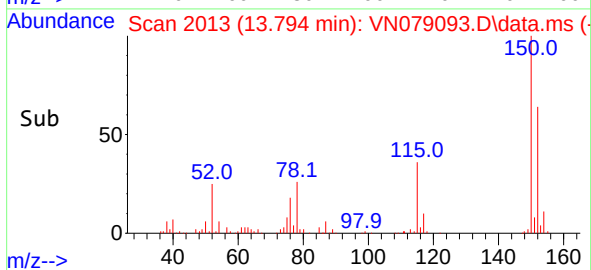
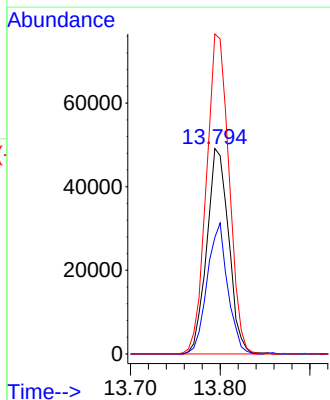
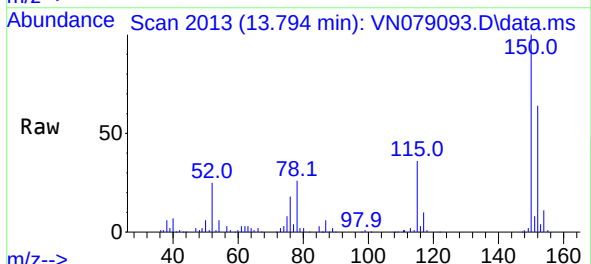
Instrument :
MSVOA_N
ClientSampleId :

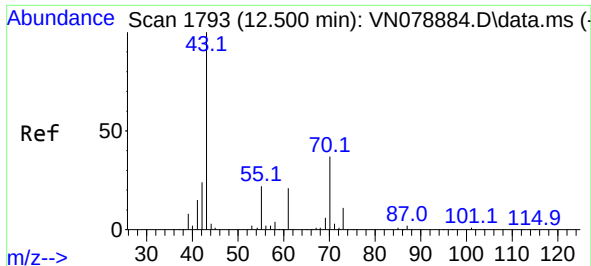
Tgt Ion:173 Resp: 631
Ion Ratio Lower Upper
173 100
175 700.5 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

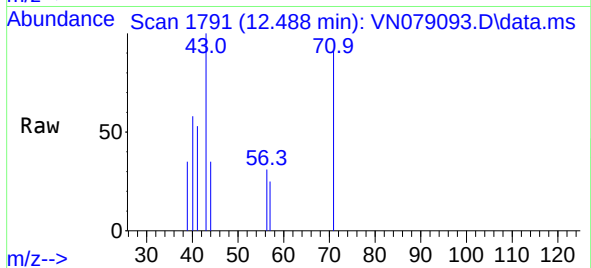
Tgt Ion:152 Resp: 83342
Ion Ratio Lower Upper
152 100
115 59.7 32.3 96.8
150 160.6 0.0 355.8



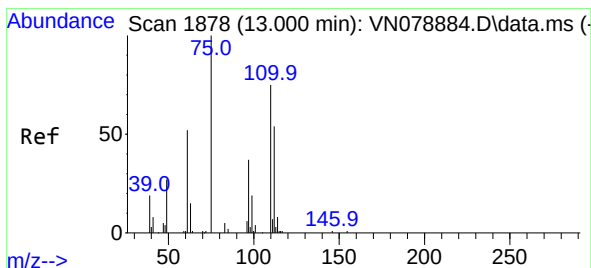
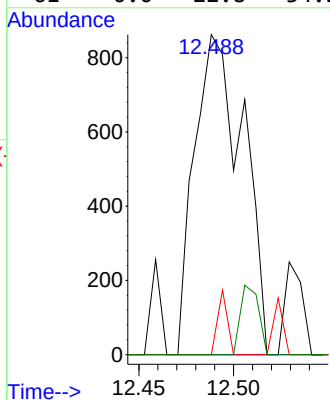
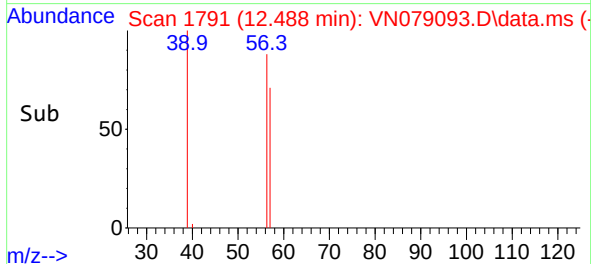


#74
N-amy1 acetate
Concen: 0.439 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

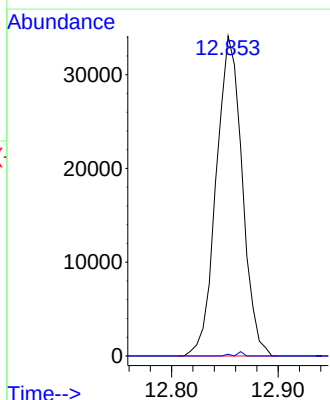
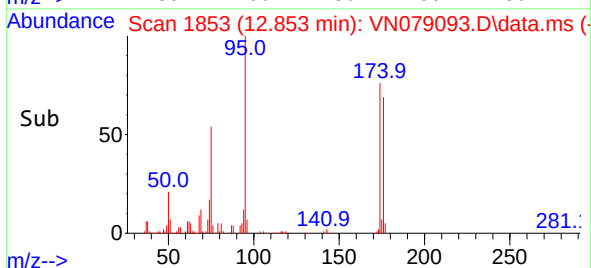
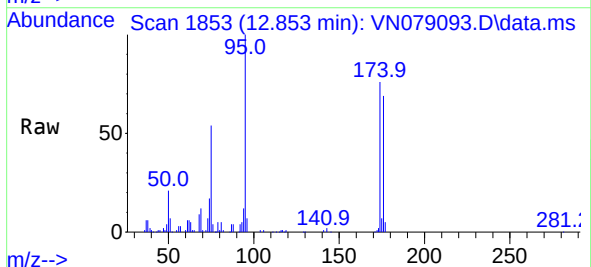


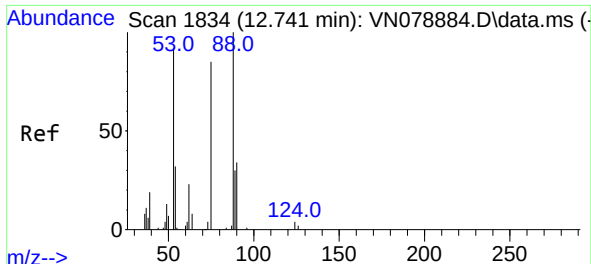
Tgt Ion:	43	Resp:	1540
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	4.0	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 28.730 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Tgt Ion:	75	Resp:	57693
Ion	Ratio	Lower	Upper
75	100		
77	0.4	84.5	253.5#

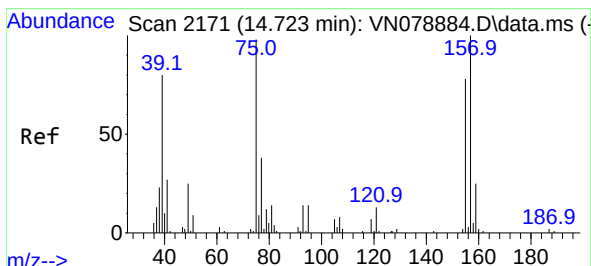
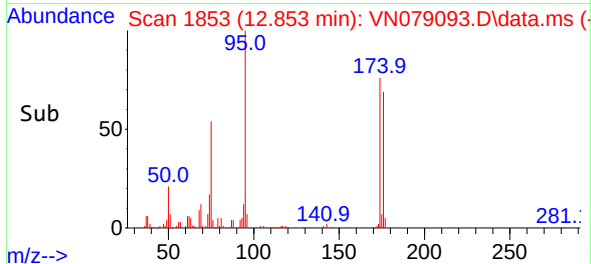
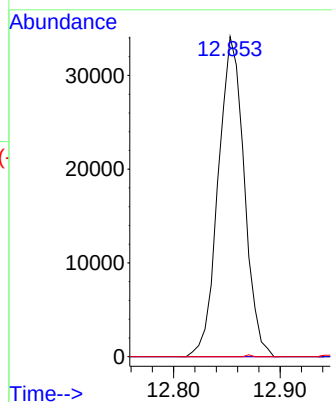
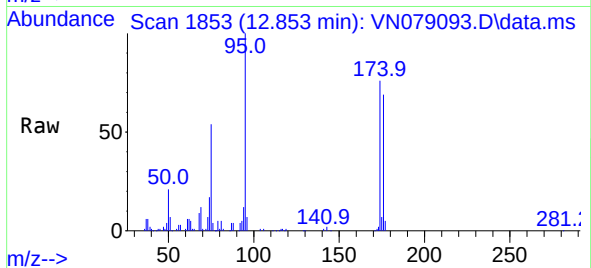




#81
trans-1,4-Dichloro-2-butene
Concen: 73.392 ug/l
RT: 12.853 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

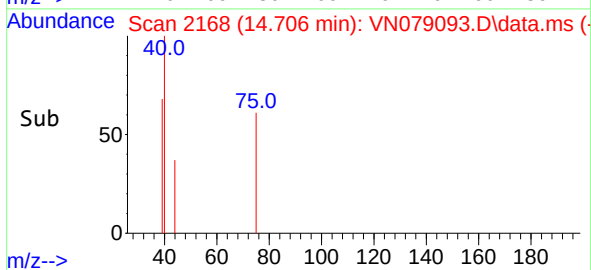
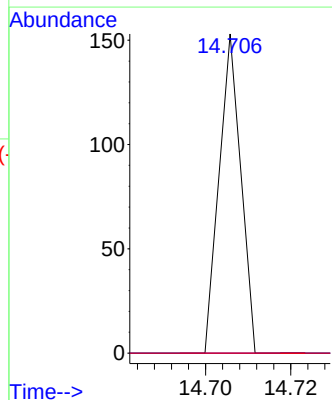
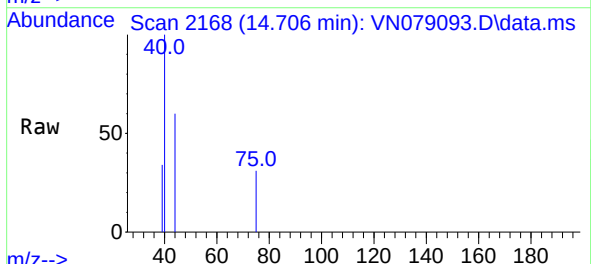
Instrument :
MSVOA_N
ClientSampleId :

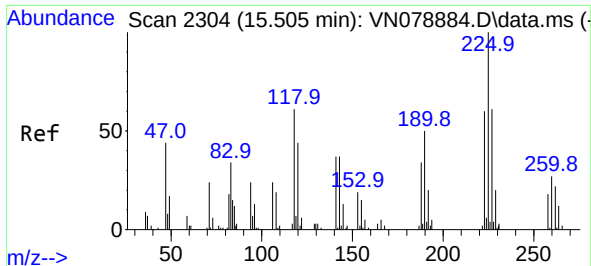
Tgt Ion: 75 Resp: 57693
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.706 min Scan# 2168
Delta R.T. -0.017 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

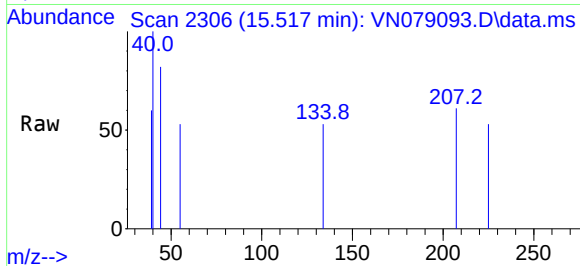
Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#



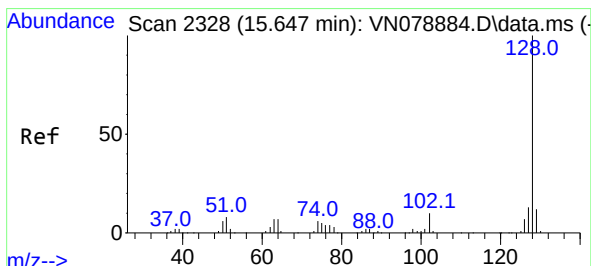
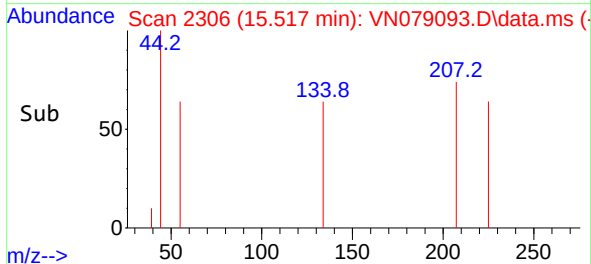
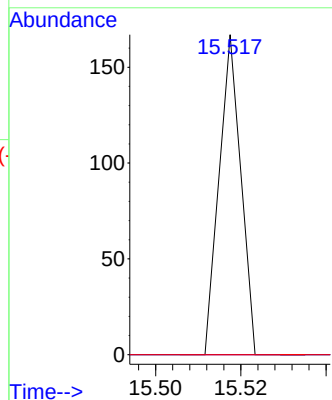


#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.517 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:225 Resp: 59
Ion Ratio Lower Upper
225 100
223 0.0 31.3 93.8#
227 0.0 31.9 95.9#



#95
Naphthalene
Concen: 2.810 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN079093.D
Acq: 29 Aug 2023 14:53

Tgt Ion:128 Resp: 954
Ion Ratio Lower Upper
128 100
127 22.1 10.0 15.0#
129 10.3 8.7 13.1

