

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062223\
 Data File : VN078350.D
 Acq On : 22 Jun 2023 15:16
 Operator : JC\MD
 Sample : 03289-23
 Misc : 5.10g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-08-4.0-6.0

Quant Time: Jun 22 17:02:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

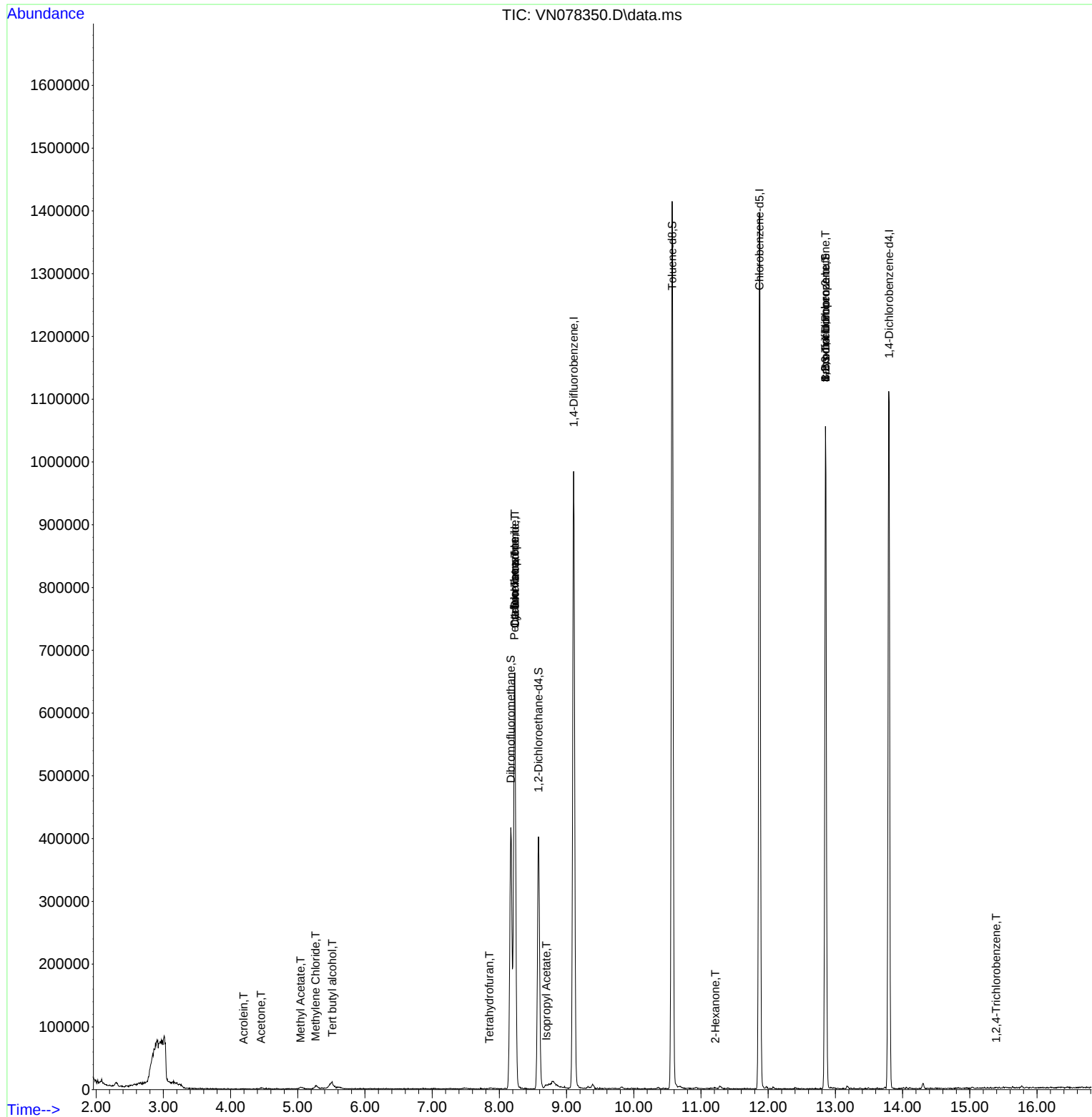
Internal Standards						
1) Pentafluorobenzene	8.224	168	490554	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	9.106	114	878968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	809660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	299767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	326707	49.951	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.900%		
35) Dibromofluoromethane	8.171	113	304075	54.713	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.420%		
50) Toluene-d8	10.571	98	1010918	47.184	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.360%		
62) 4-Bromofluorobenzene	12.853	95	356619	53.542	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.080%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	997	Below Cal	#	42
11) Tert butyl alcohol	5.512	59	3381	3.744	ug/l #	72
13) Acrolein	4.194	56	321	0.322	ug/l #	47
16) Acetone	4.453	43	616	0.327	ug/l #	40
18) Methyl Acetate	5.041	43	4866	0.561	ug/l #	75
20) Methylene Chloride	5.265	84	4153	0.668	ug/l #	63
29) Tetrahydrofuran	7.853	42	1039	0.537	ug/l #	43
31) Cyclohexane	8.229	56	11746	1.400	ug/l #	24
36) 1,1-Dichloropropene	8.229	75	41863	5.251	ug/l #	49
38) Carbon Tetrachloride	8.229	117	53949	6.409	ug/l #	15
43) Isopropyl Acetate	8.700	43	3063	0.257	ug/l #	49
59) 2-Hexanone	11.212	43	1118	0.256	ug/l	60
71) Bromoform	12.853	173	3567	0.867	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.947	83	238	Below Cal	#	89
76) 1,2,3-Trichloropropane	12.853	75	195739	27.621	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	195739	84.860	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	778	0.201	ug/l #	77
94) Hexachlorobutadiene	15.511	225	249	Below Cal	#	54

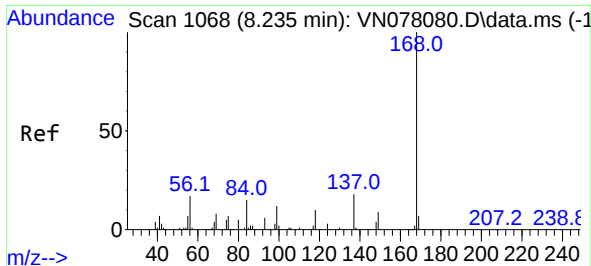
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 07 05:05:00 2023
Response via : Initial Calibration

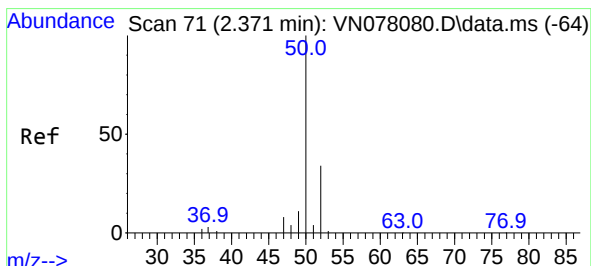
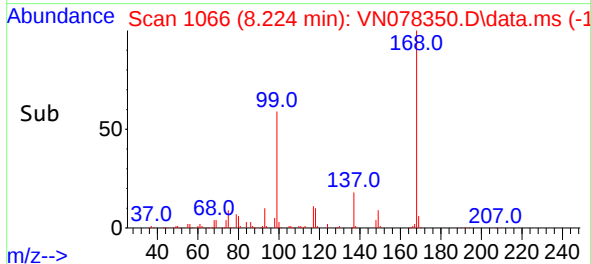
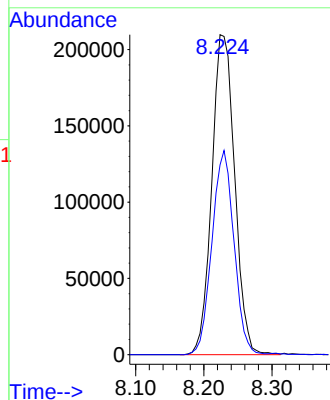
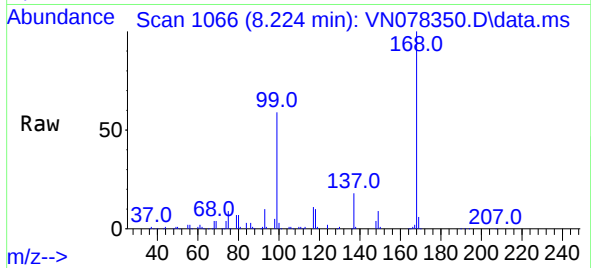




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.011 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

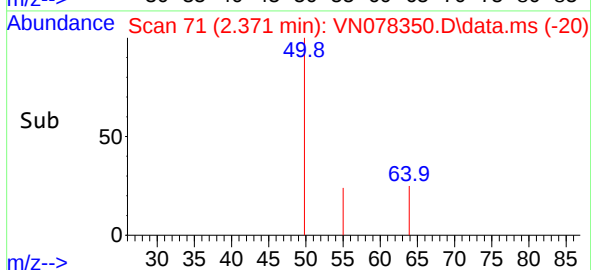
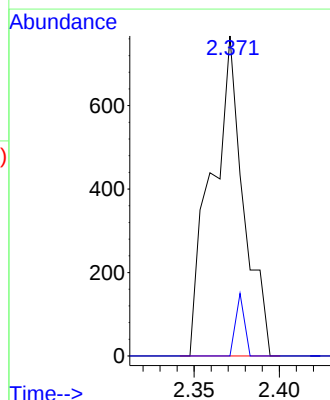
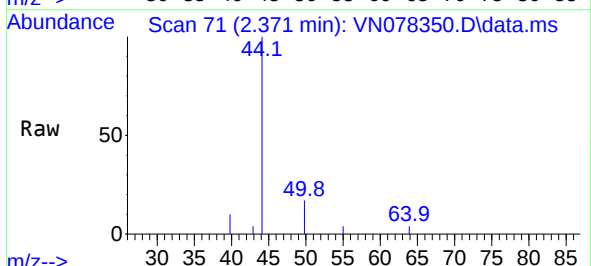
Instrument :
MSVOA_N
ClientSampleId :
SB-08-4.0-6.0

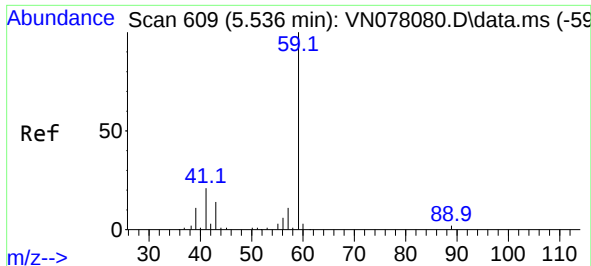
Tgt Ion:168 Resp: 490554
Ion Ratio Lower Upper
168 100
99 59.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Tgt Ion: 50 Resp: 997
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

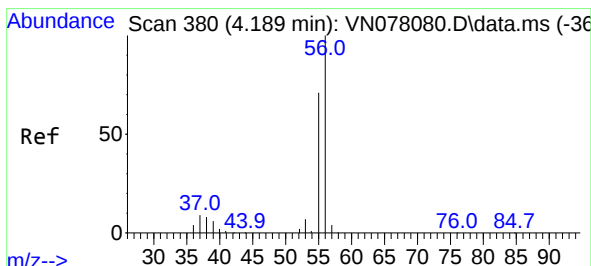
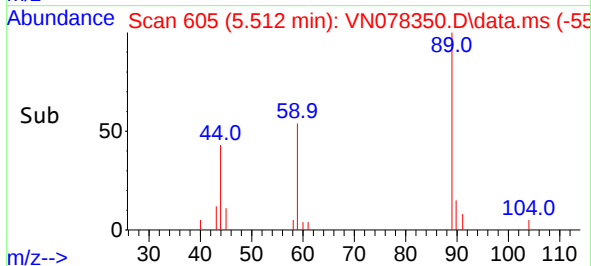
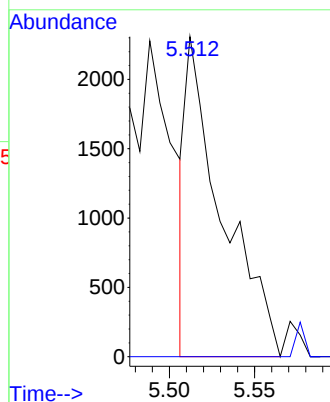
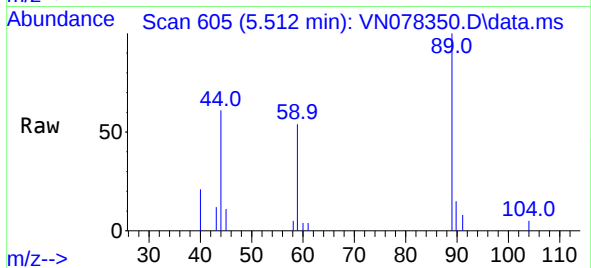




#11
Tert butyl alcohol
Concen: 3.744 ug/l
RT: 5.512 min Scan# 609
Delta R.T. -0.024 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

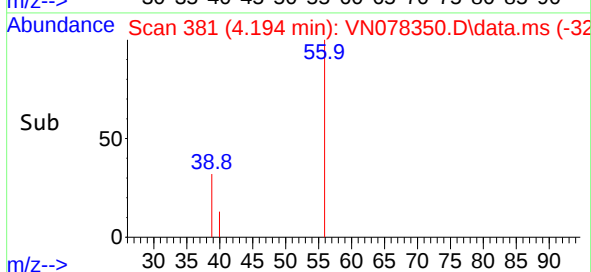
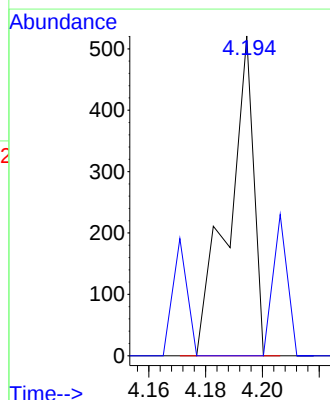
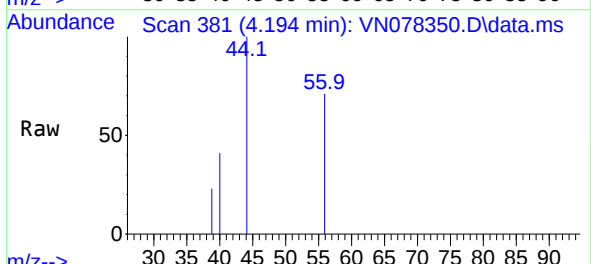
Instrument :
MSVOA_N
ClientSampleId :
SB-08-4.0-6.0

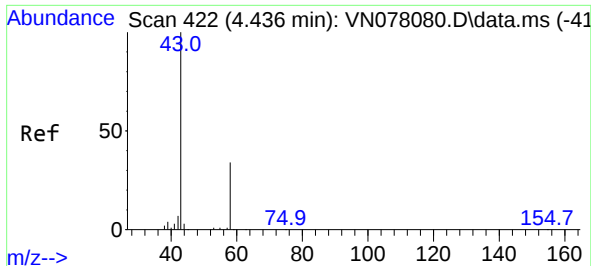
Tgt Ion: 59 Resp: 3381
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.322 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Tgt Ion: 56 Resp: 321
Ion Ratio Lower Upper
56 100
55 25.2 54.5 81.7#

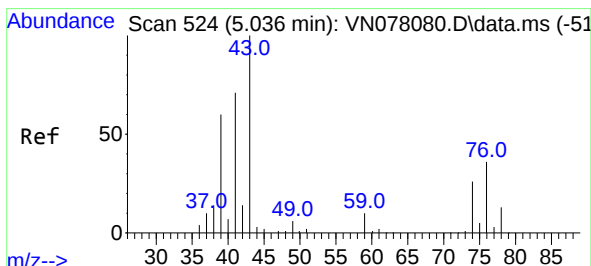
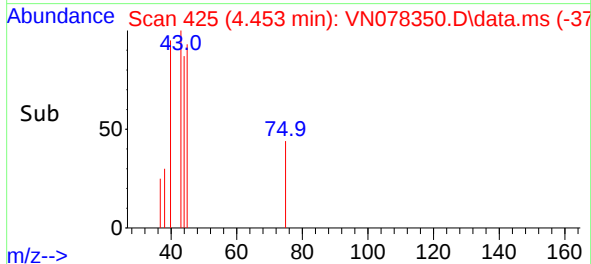
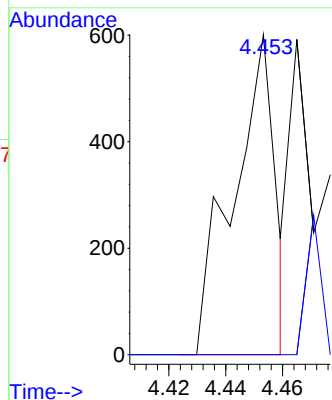
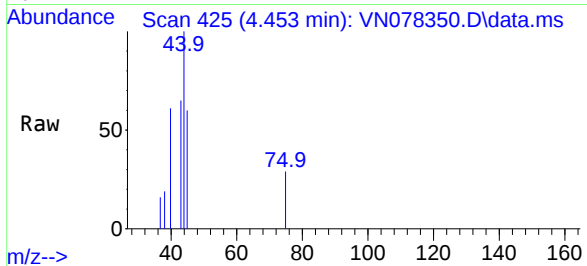




#16
Acetone
Concen: 0.327 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

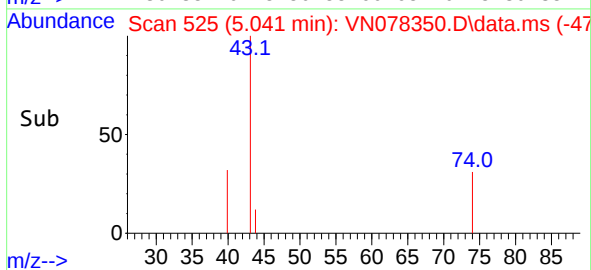
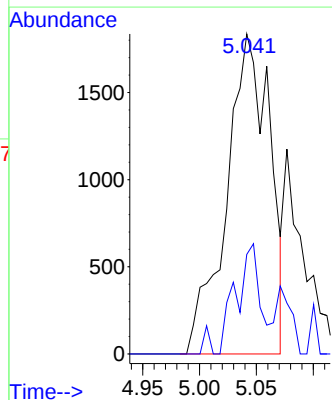
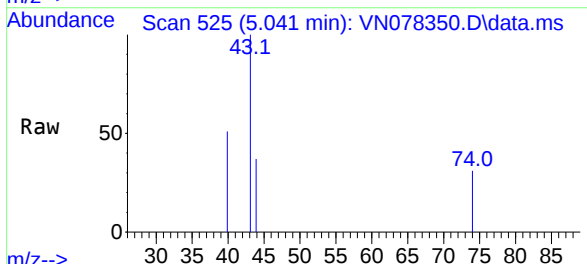
Instrument :
MSVOA_N
ClientSampleId :
SB-08-4.0-6.0

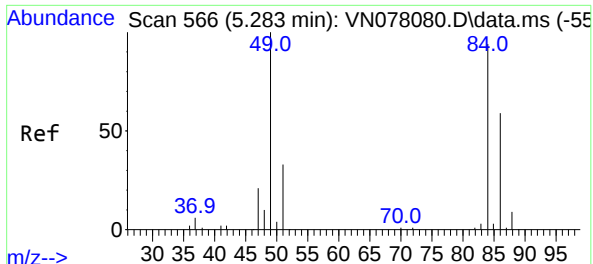
Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.561 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Tgt Ion: 43 Resp: 4866
Ion Ratio Lower Upper
43 100
74 18.7 26.2 39.4#

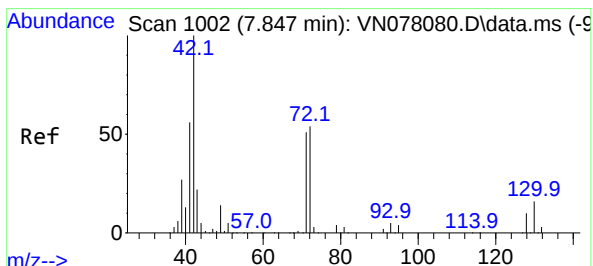
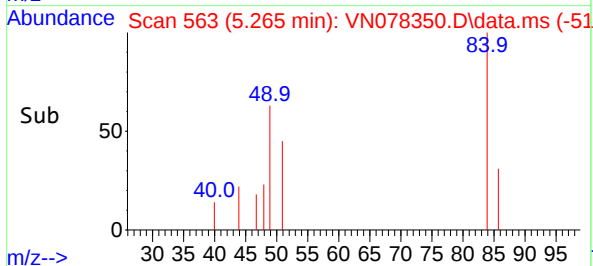
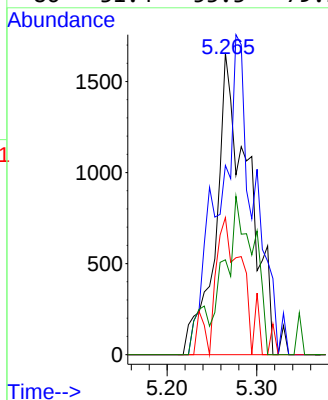
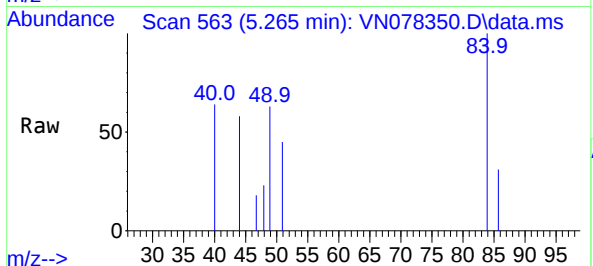




#20
Methylene Chloride
Concen: 0.668 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

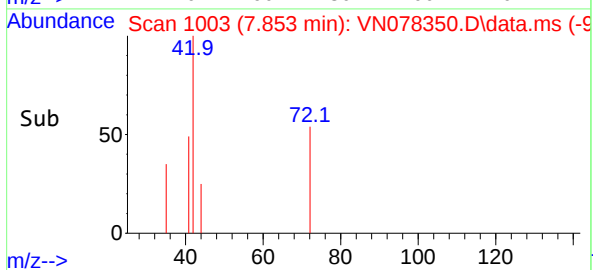
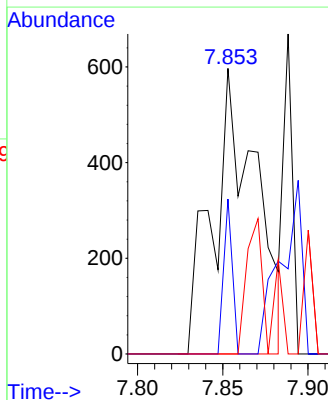
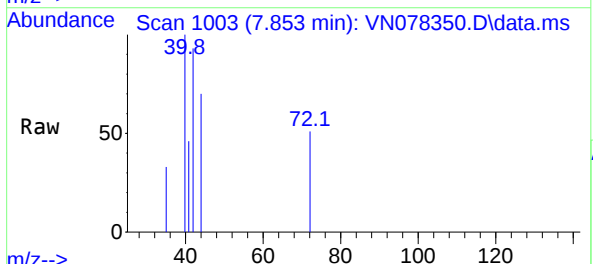
Instrument :
MSVOA_N
ClientSampleId :
SB-08-4.0-6.0

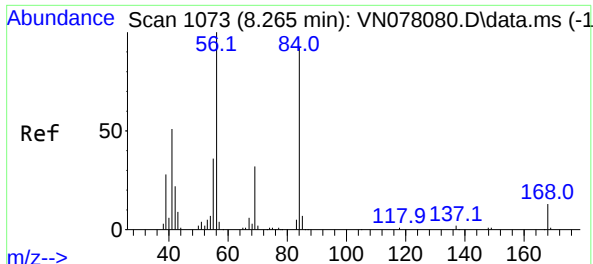
Tgt Ion:	84	Resp:	4153
Ion	Ratio	Lower	Upper
84	100		
49	62.7	79.7	119.5#
51	45.4	25.2	37.8#
86	31.4	53.3	79.9#



#29
Tetrahydrofuran
Concen: 0.537 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

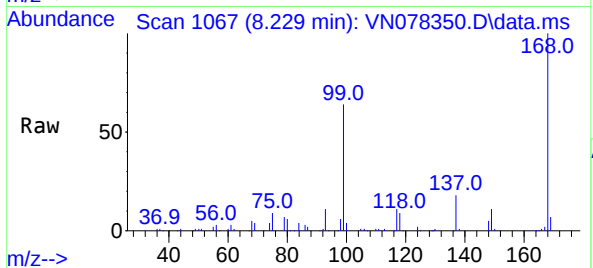
Tgt Ion:	42	Resp:	1039
Ion	Ratio	Lower	Upper
42	100		
72	11.0	49.8	74.6#
71	23.8	47.4	71.2#



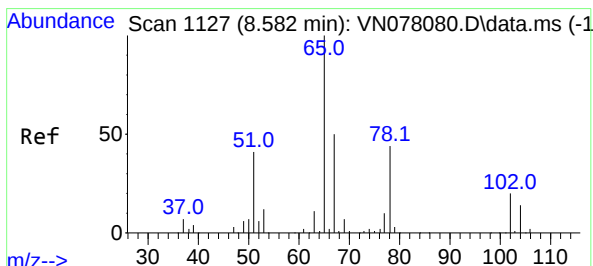
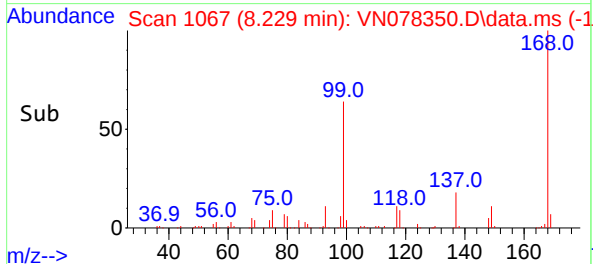
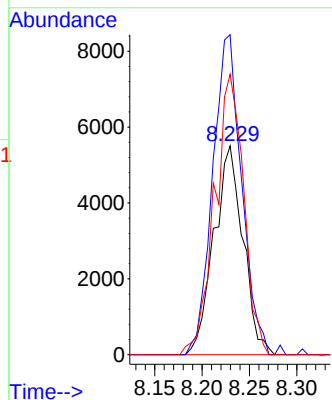


#31
Cyclohexane
Concen: 1.400 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Instrument :
MSVOA_N
ClientSampleId :
SB-08-4.0-6.0

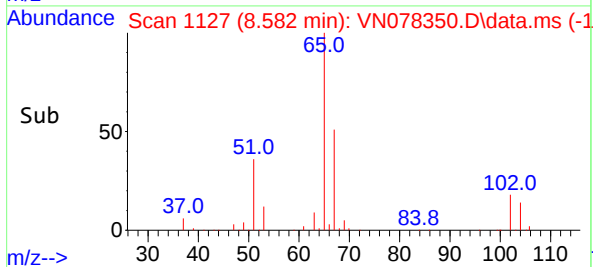
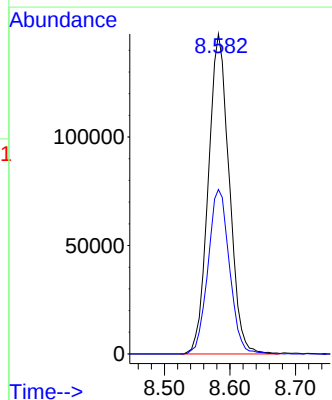
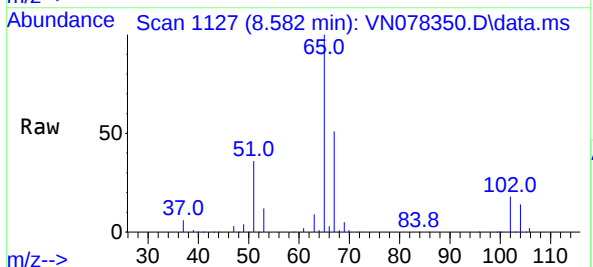


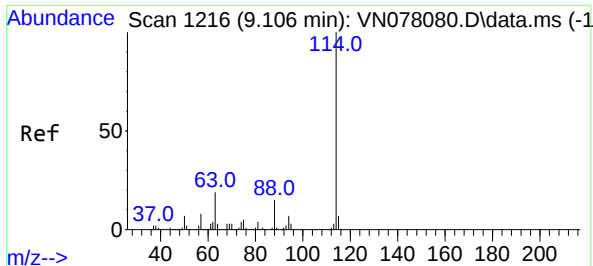
Tgt Ion: 56 Resp: 11746
Ion Ratio Lower Upper
56 100
69 153.2 26.8 40.2#
84 134.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 49.951 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Tgt Ion: 65 Resp: 326707
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.6

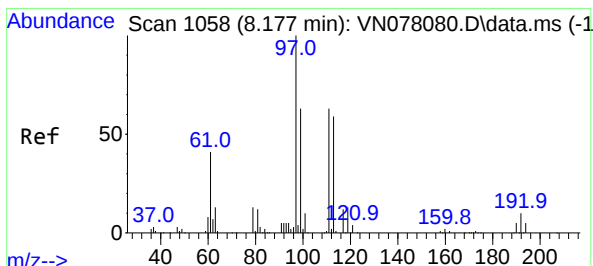
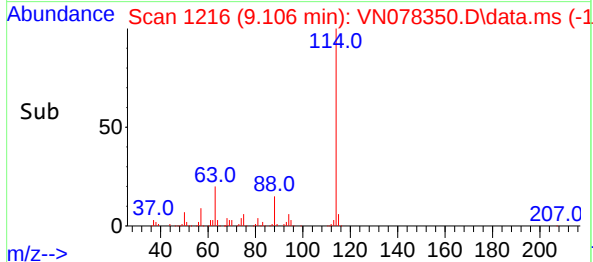
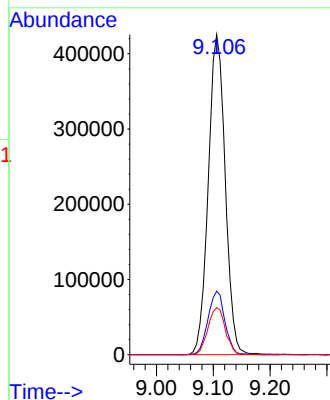
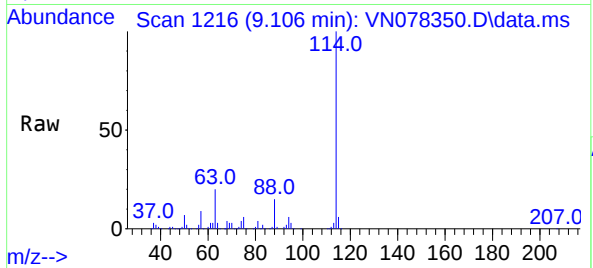




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

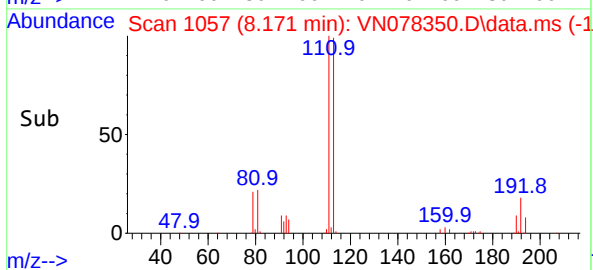
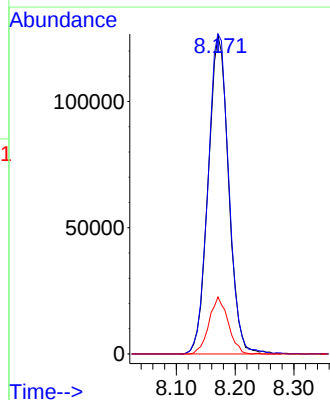
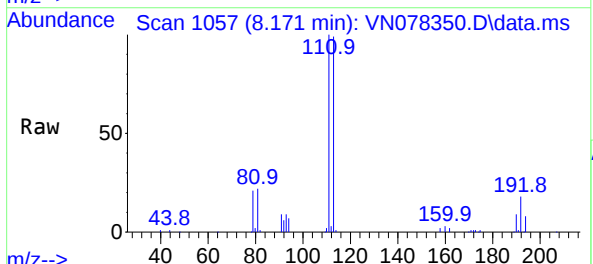
Instrument :
MSVOA_N
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SB-08-4.0-6.0

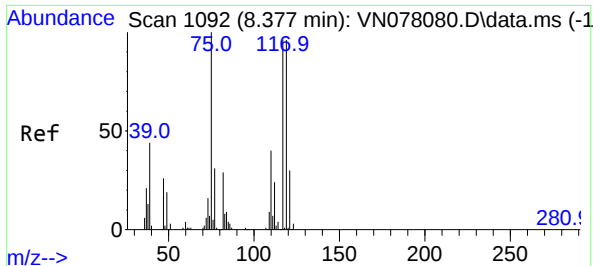
Tgt Ion:114 Resp: 878968
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.713 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Tgt Ion:113 Resp: 304075
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 16.8 12.7 19.1

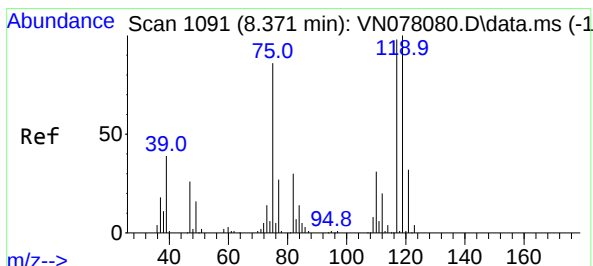
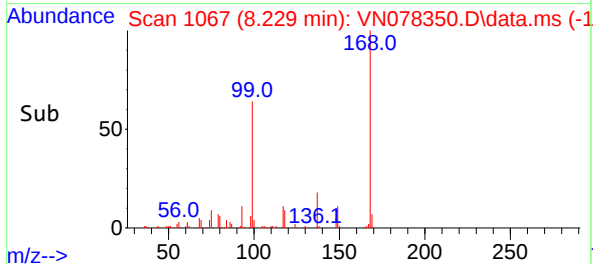
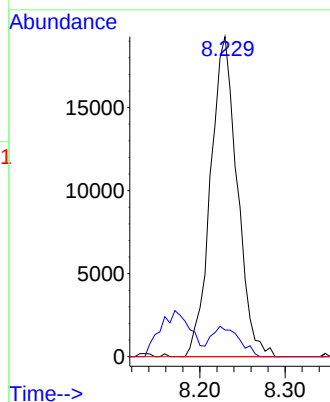
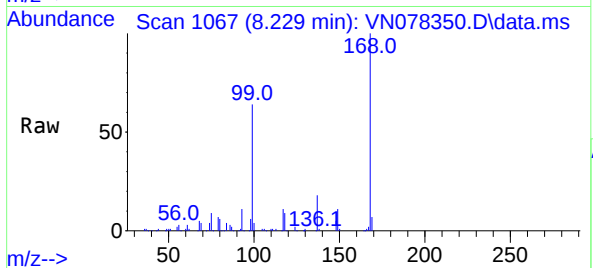




#36
1,1-Dichloropropene
Concen: 5.251 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

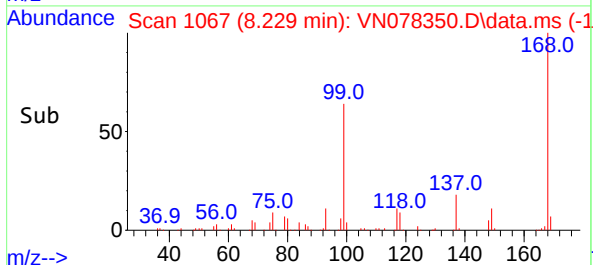
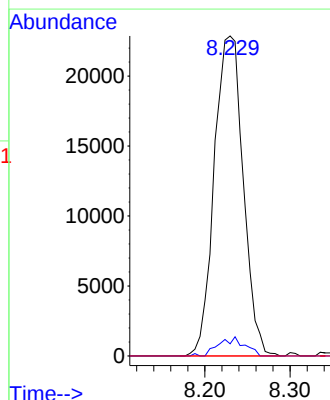
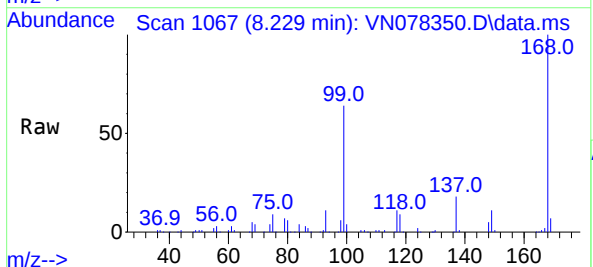
Instrument :
MSVOA_N
ClientSampleId :
SB-08-4.0-6.0

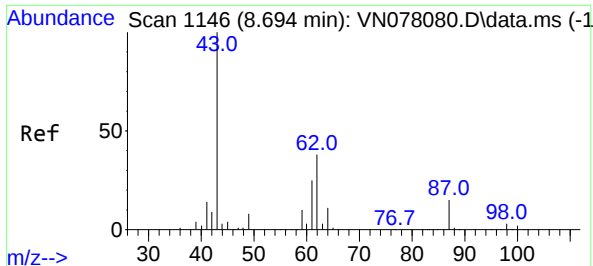
Tgt Ion: 75 Resp: 41863
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.409 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Tgt Ion: 117 Resp: 53949
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 23.3 34.9#

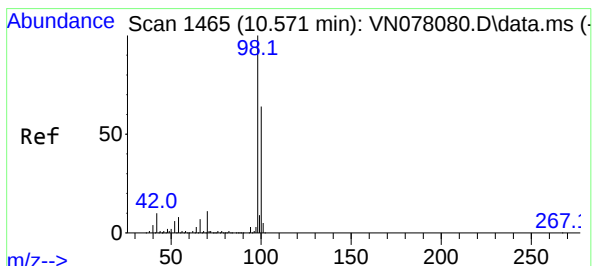
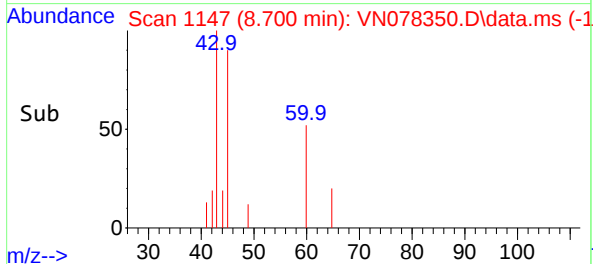
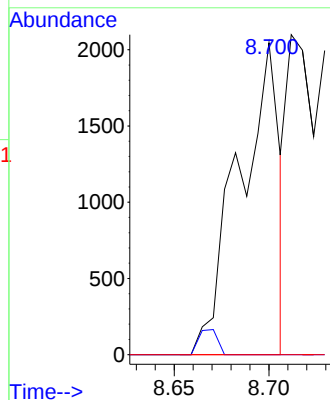
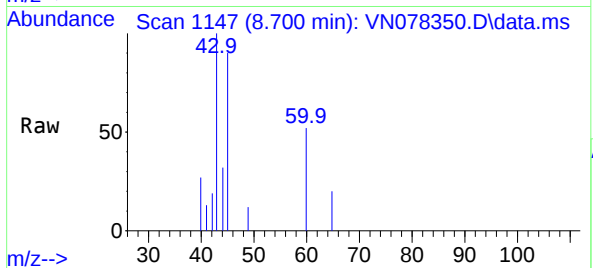




#43
Isopropyl Acetate
Concen: 0.257 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

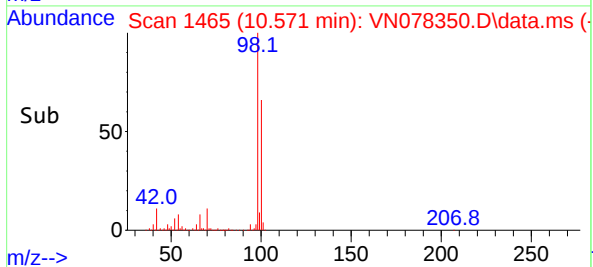
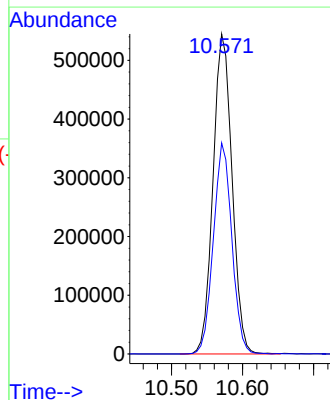
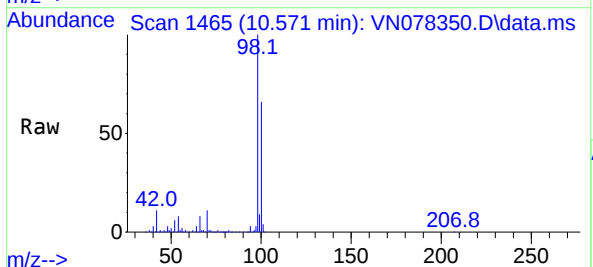
Instrument :
MSVOA_N
ClientSampleId :
SB-08-4.0-6.0

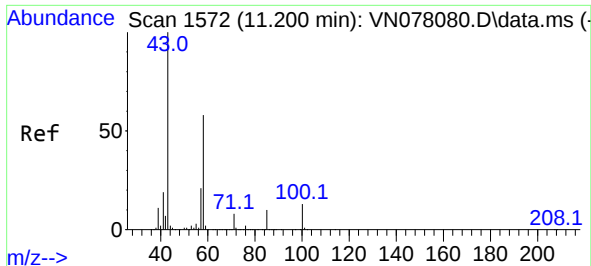
Tgt Ion: 43 Resp: 3063
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 47.184 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Tgt Ion: 98 Resp: 1010918
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

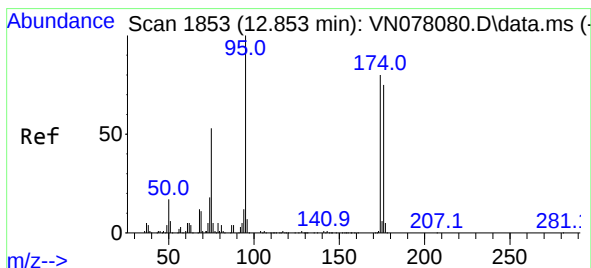
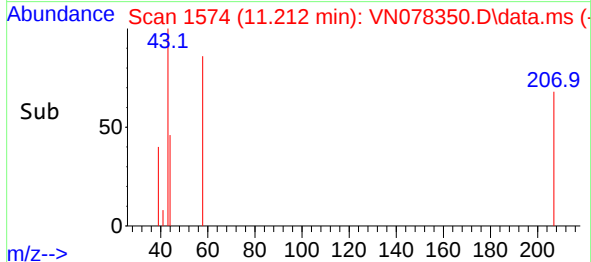
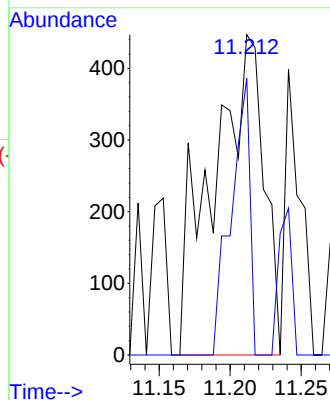
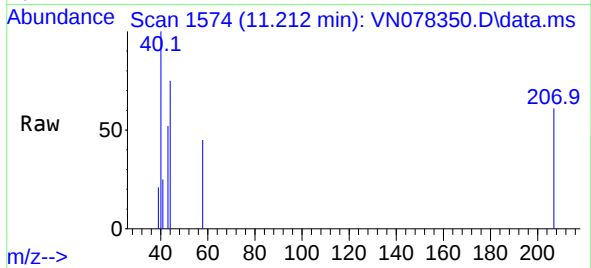




#59
2-Hexanone
Concen: 0.256 ug/l
RT: 11.212 min Scan# 1118
Delta R.T. 0.012 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

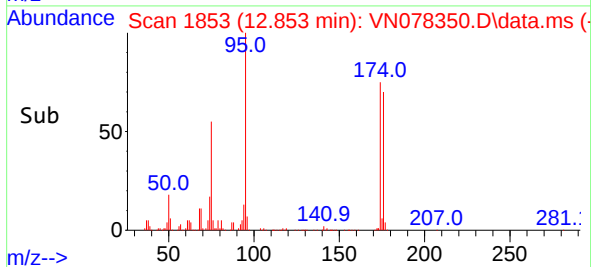
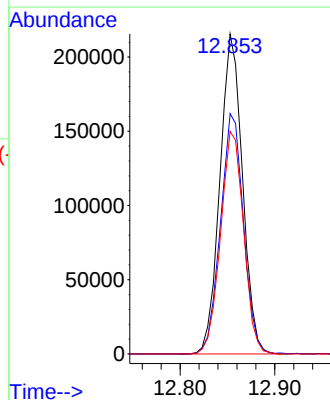
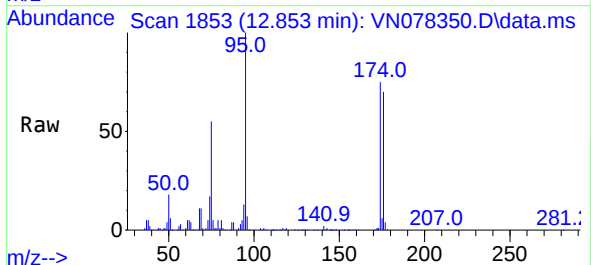
Instrument :
MSVOA_N
ClientSampleId :
SB-08-4.0-6.0

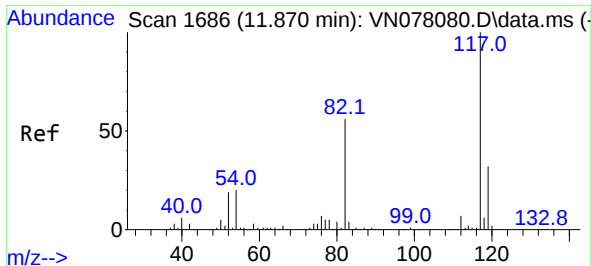
Tgt Ion: 43 Resp: 1118
Ion Ratio Lower Upper
43 100
58 31.9 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 53.542 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Tgt Ion: 95 Resp: 356619
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.8
176 71.1 0.0 135.8

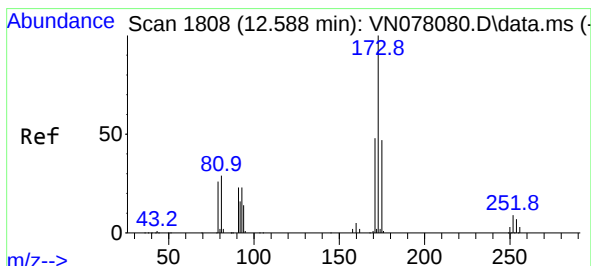
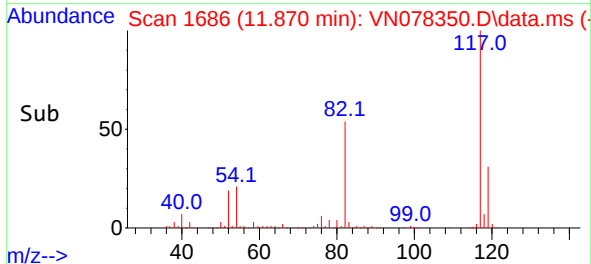
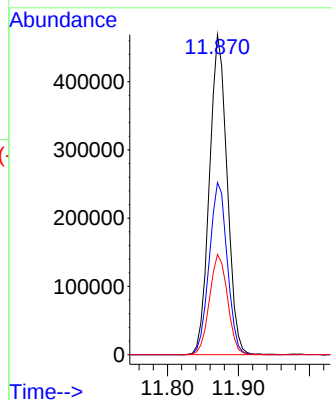
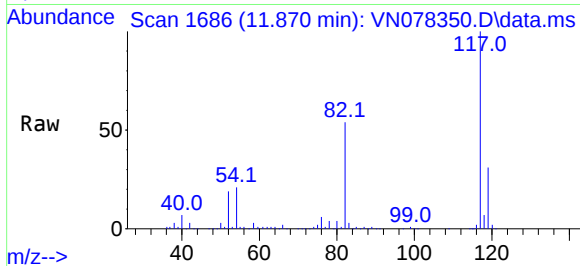




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

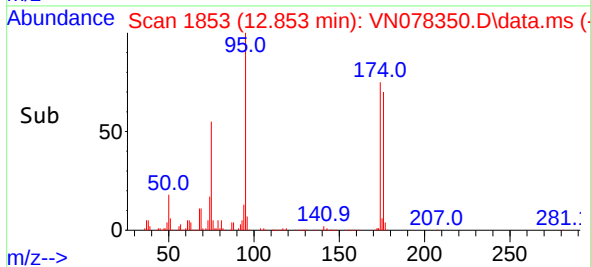
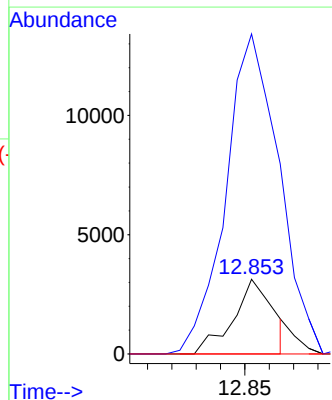
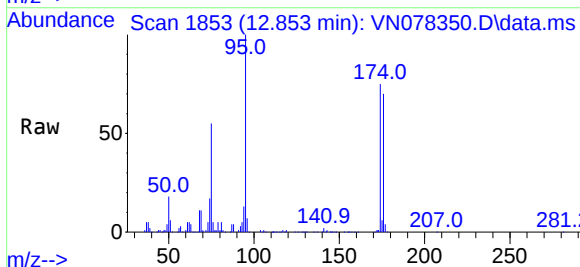
Instrument :
MSVOA_N
ClientSampleId :
SB-08-4.0-6.0

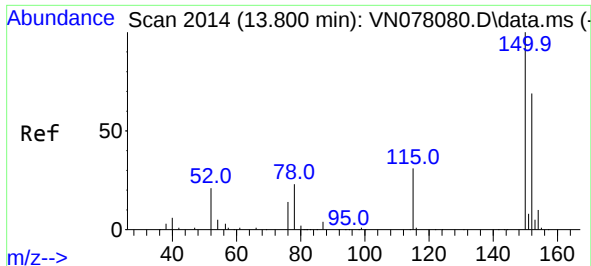
Tgt Ion:117 Resp: 809660
Ion Ratio Lower Upper
117 100
82 53.8 44.0 66.0
119 31.3 25.6 38.4



#71
Bromoform
Concen: 0.867 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Tgt Ion:173 Resp: 3567
Ion Ratio Lower Upper
173 100
175 526.0 24.3 73.0#
254 0.0 0.0 0.0

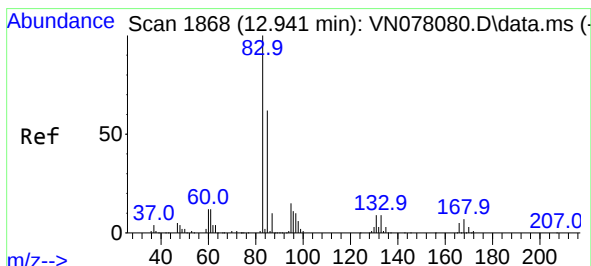
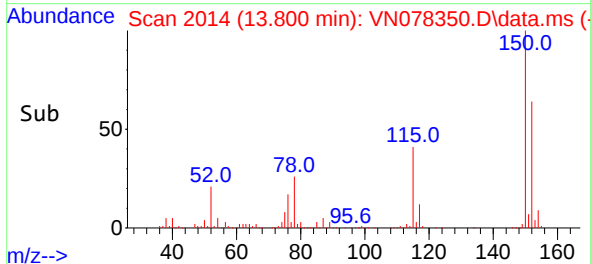
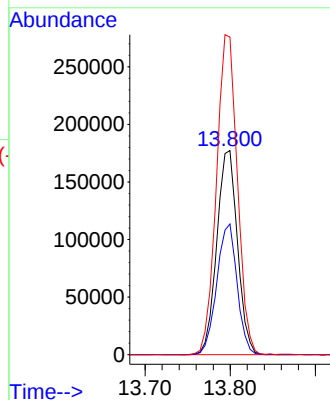
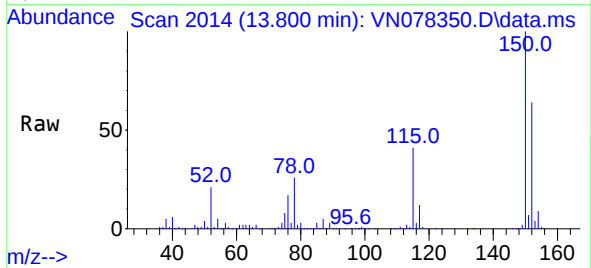




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

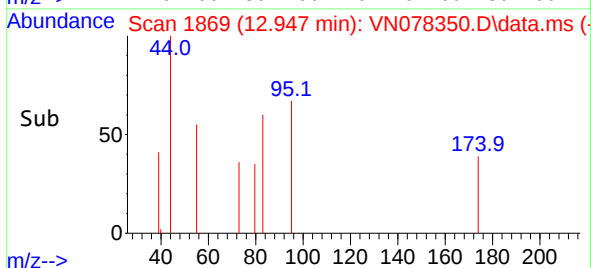
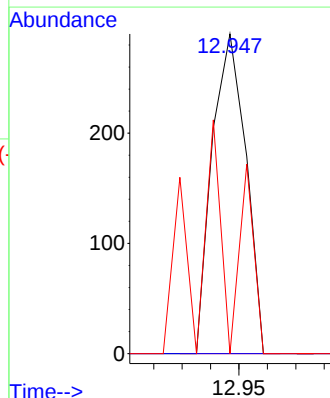
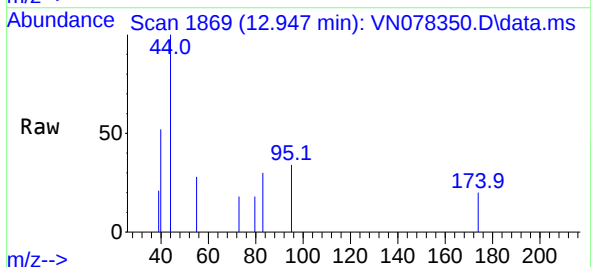
Instrument :
MSVOA_N
ClientSampleId :
SB-08-4.0-6.0

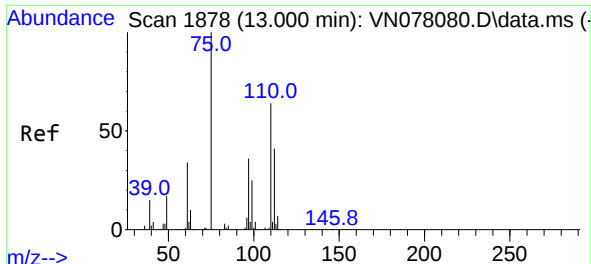
Tgt Ion:152 Resp: 299767
Ion Ratio Lower Upper
152 100
115 62.8 32.3 96.8
150 158.2 0.0 355.8



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.947 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Tgt Ion: 83 Resp: 238
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 57.1 31.9 95.7

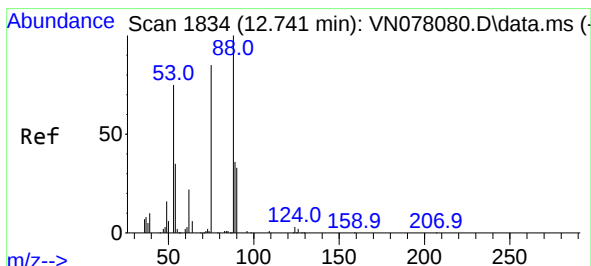
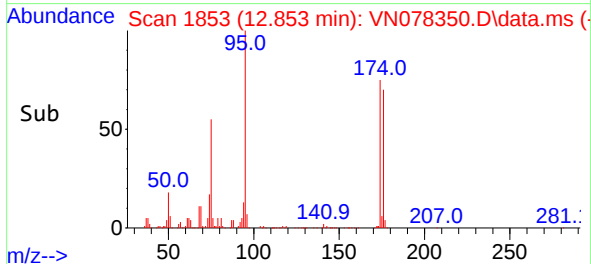
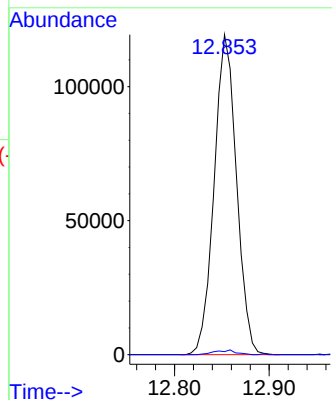
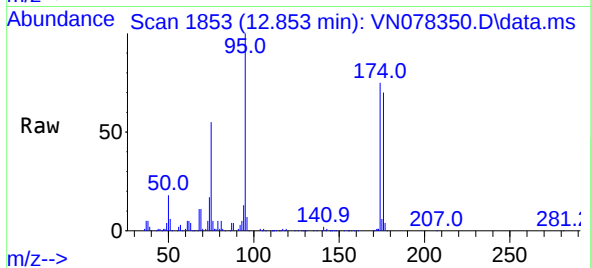




#76
1,2,3-Trichloropropane
Concen: 27.621 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

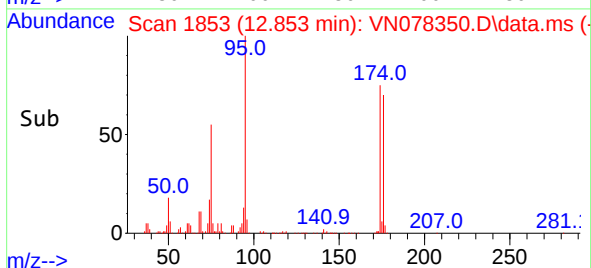
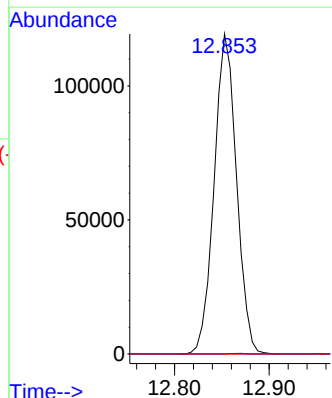
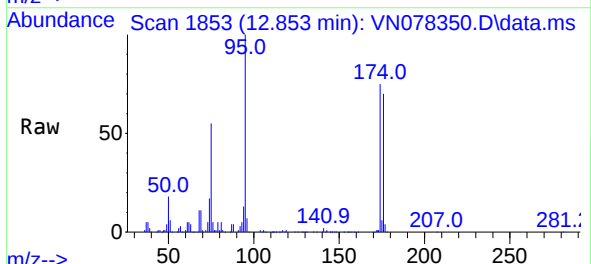
Instrument :
MSVOA_N
ClientSampleId :
SB-08-4.0-6.0

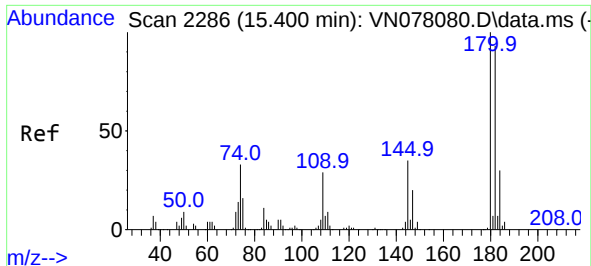
Tgt Ion: 75 Resp: 195739
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.860 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Tgt Ion: 75 Resp: 195739
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

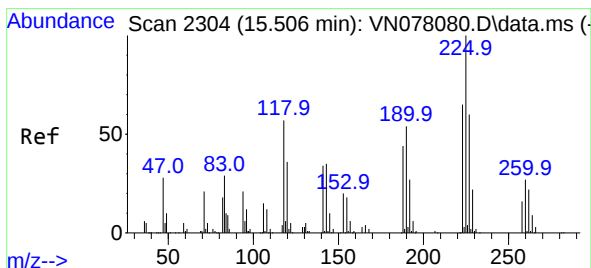
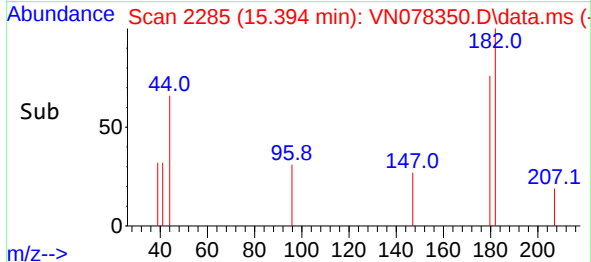
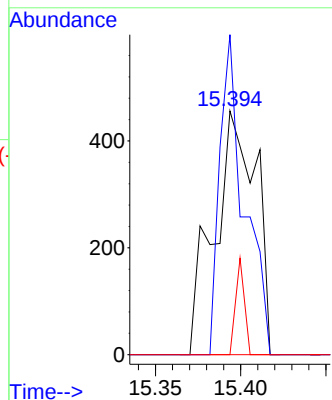
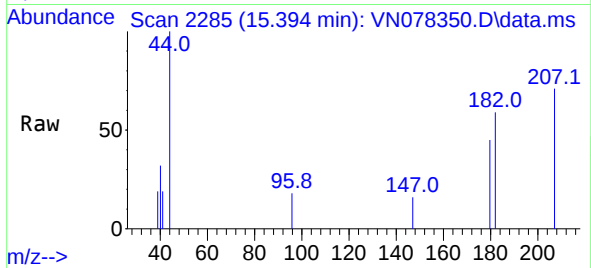




#93
1,2,4-Trichlorobenzene
Concen: 0.201 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Instrument :
MSVOA_N
ClientSampleId :
SB-08-4.0-6.0

Tgt Ion:180 Resp: 778
Ion Ratio Lower Upper
180 100
182 77.0 46.1 138.2
145 8.2 16.6 49.8#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.511 min Scan# 2305
Delta R.T. 0.005 min
Lab File: VN078350.D
Acq: 22 Jun 2023 15:16

Tgt Ion:225 Resp: 249
Ion Ratio Lower Upper
225 100
223 0.0 31.3 93.8#
227 73.9 31.9 95.9

