

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062223\
 Data File : VN078349.D
 Acq On : 22 Jun 2023 14:52
 Operator : JC\MD
 Sample : 03289-15
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-06-0-2.0

Quant Time: Jun 22 17:02:13 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)

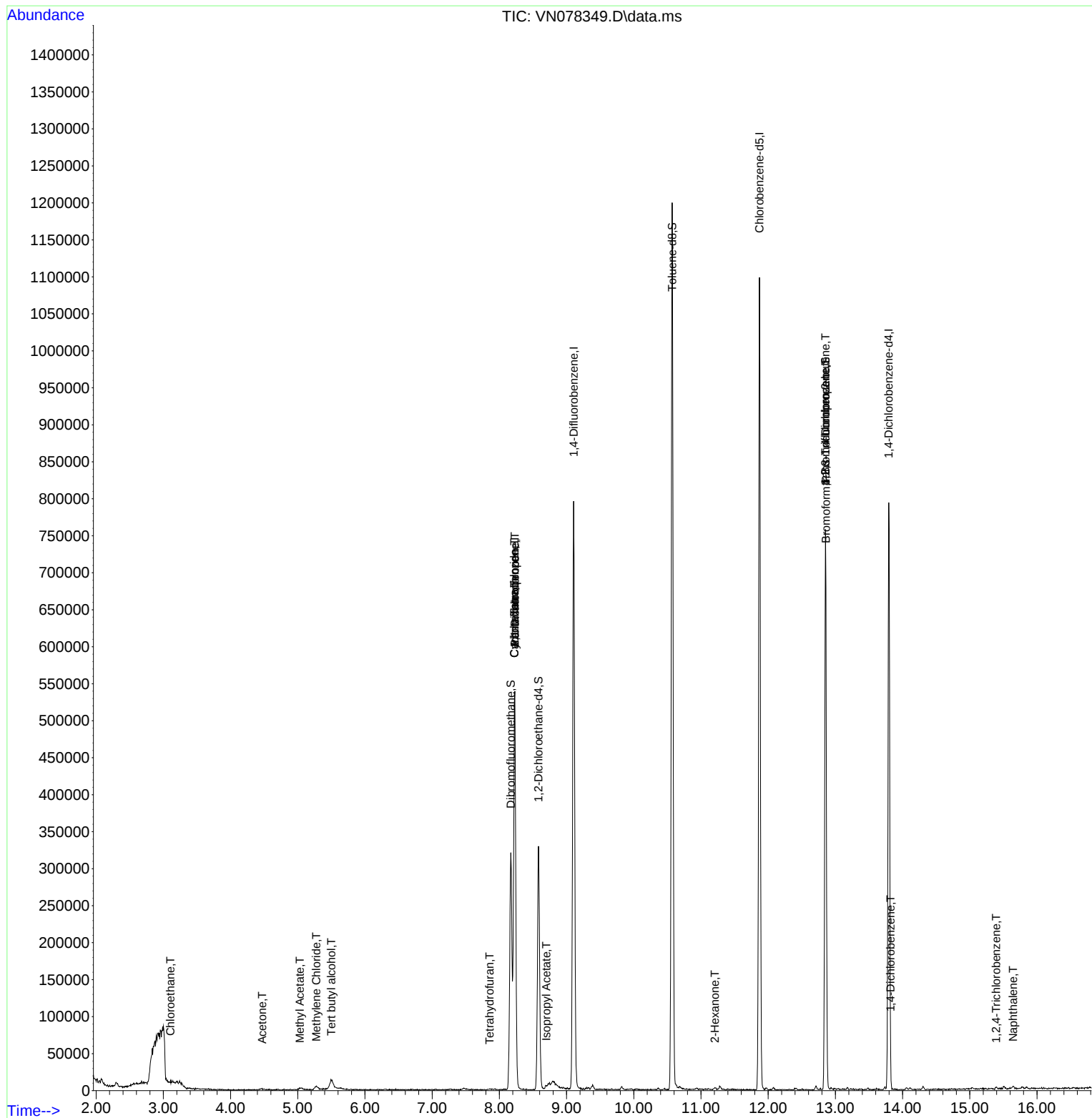
Internal Standards						
1) Pentafluorobenzene	8.230	168	386427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	696528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	625834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	213757	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	260486	50.558	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.120%
35) Dibromofluoromethane	8.171	113	231696	52.610	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.220%
50) Toluene-d8	10.571	98	846062	49.833	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.660%
62) 4-Bromofluorobenzene	12.853	95	255197	48.350	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.700%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1072	Below Cal	#	42
6) Chloroethane	3.106	64	831	0.213	ug/l #	43
11) Tert butyl alcohol	5.500	59	10022	14.087	ug/l #	75
16) Acetone	4.471	43	1676	1.130	ug/l #	40
18) Methyl Acetate	5.030	43	1874	0.274	ug/l #	68
20) Methylene Chloride	5.277	84	2045	0.417	ug/l	94
29) Tetrahydrofuran	7.853	42	898	0.589	ug/l #	42
31) Cyclohexane	8.224	56	9049	1.369	ug/l #	29
36) 1,1-Dichloropropene	8.230	75	34249	5.422	ug/l #	47
38) Carbon Tetrachloride	8.224	117	41714	6.254	ug/l #	16
43) Isopropyl Acetate	8.700	43	2811	0.298	ug/l #	49
59) 2-Hexanone	11.206	43	1748	0.505	ug/l	68
71) Bromoform	12.859	173	2511	0.789	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	249	Below Cal	#	84
76) 1,2,3-Trichloropropane	12.853	75	139527	27.611	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	139527	84.830	ug/l #	15
88) 1,4-Dichlorobenzene	13.823	146	1887	0.246	ug/l #	71
93) 1,2,4-Trichlorobenzene	15.394	180	1127	0.408	ug/l #	80
94) Hexachlorobutadiene	15.512	225	963	Below Cal		75
95) Naphthalene	15.647	128	3613	0.389	ug/l #	93

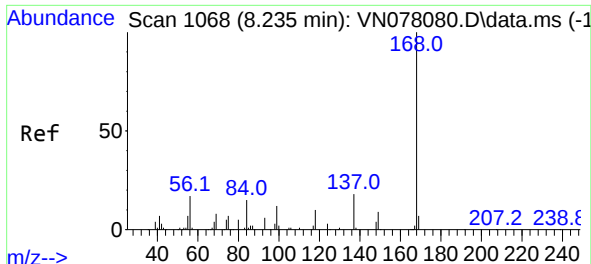
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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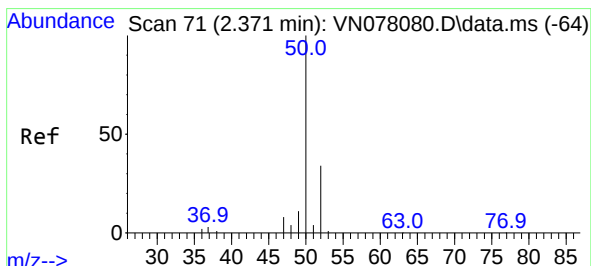
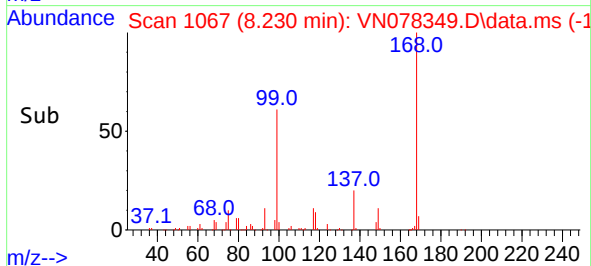
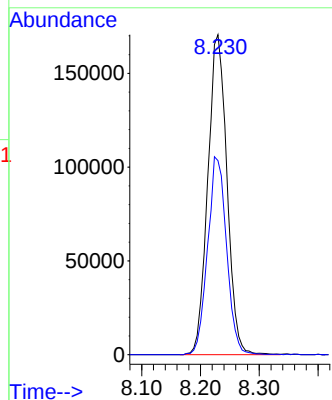
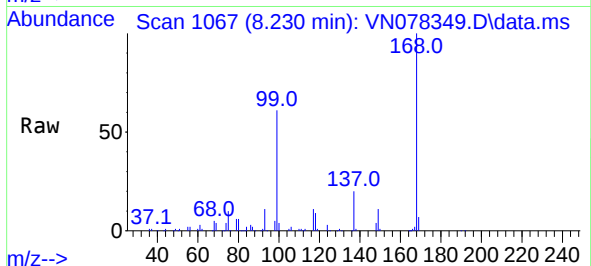




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

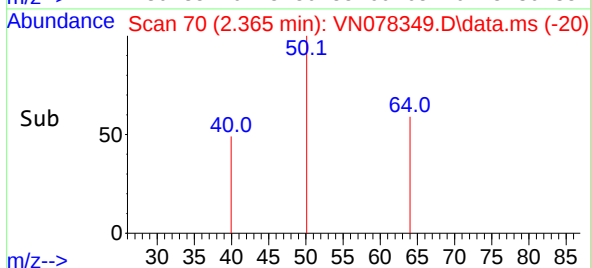
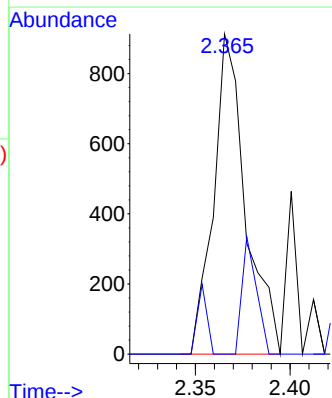
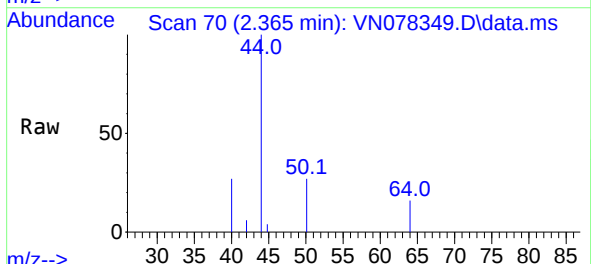
Instrument :
MSVOA_N
ClientSampleId :
SB-06-0-2.0

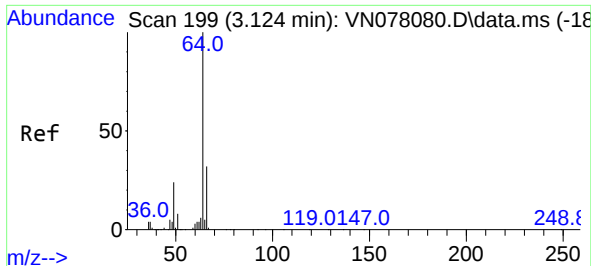
Tgt Ion:168 Resp: 386427
Ion Ratio Lower Upper
168 100
99 60.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 50 Resp: 1072
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

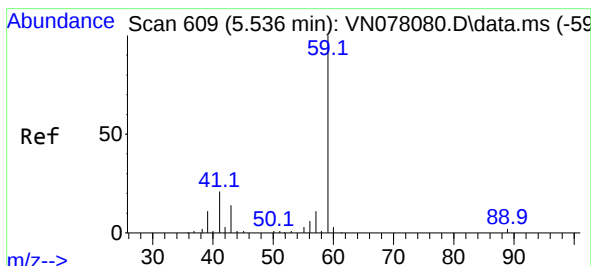
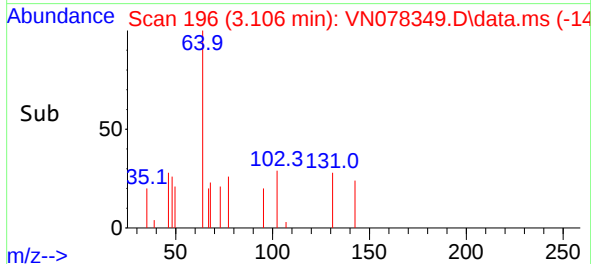
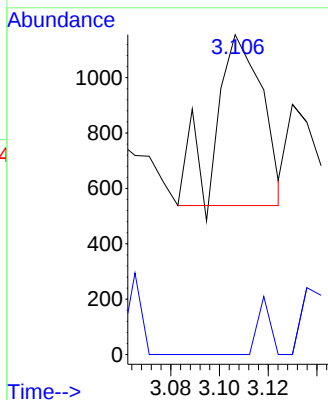
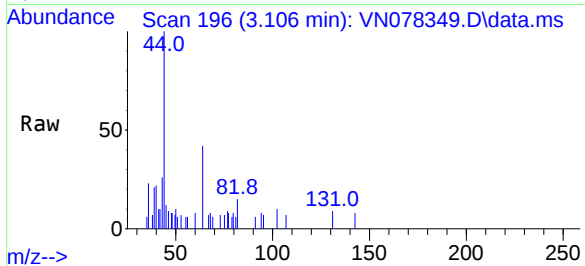




#6
Chloroethane
Concen: 0.213 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.018 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

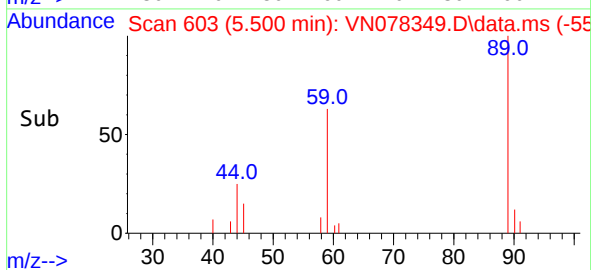
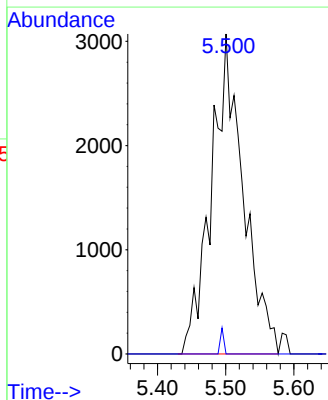
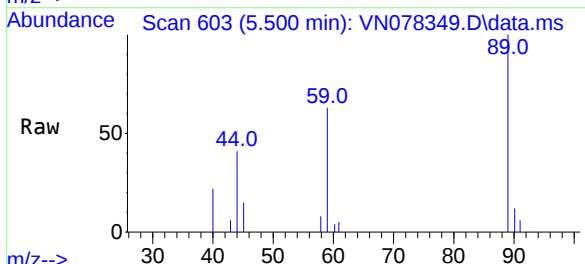
Instrument :
MSVOA_N
ClientSampleId :
SB-06-0-2.0

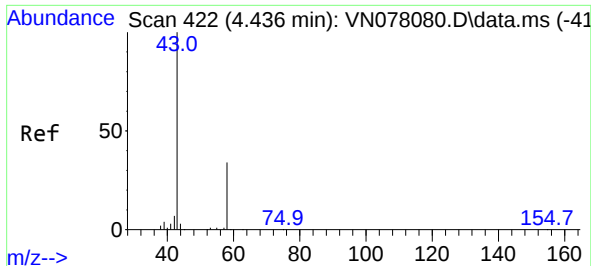
Tgt Ion: 64 Resp: 831
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 14.087 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.035 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 59 Resp: 10022
Ion Ratio Lower Upper
59 100
57 0.9 8.2 12.4#

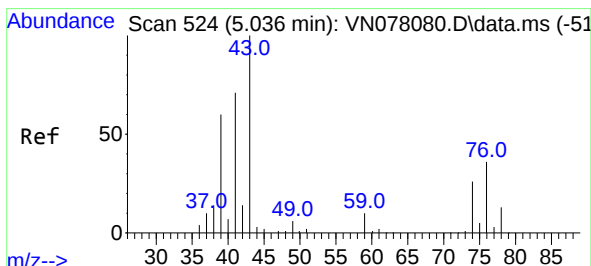
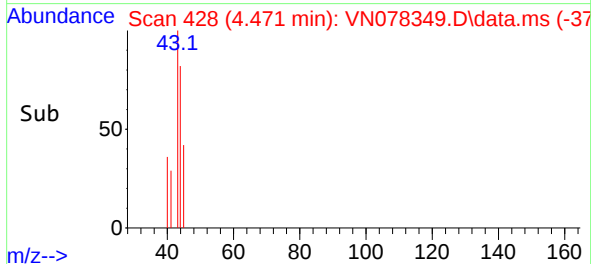
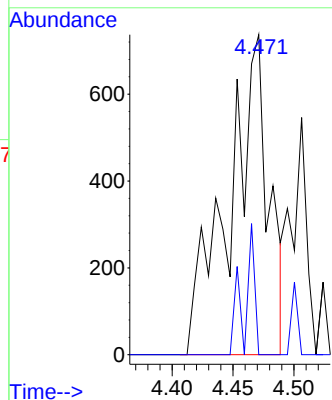
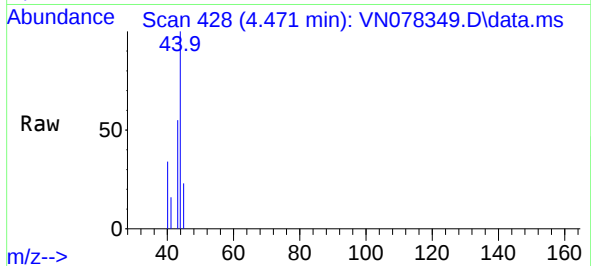




#16
Acetone
Concen: 1.130 ug/l
RT: 4.471 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

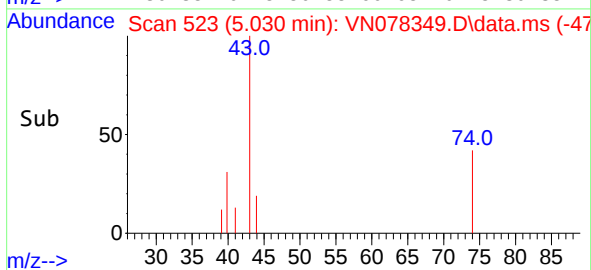
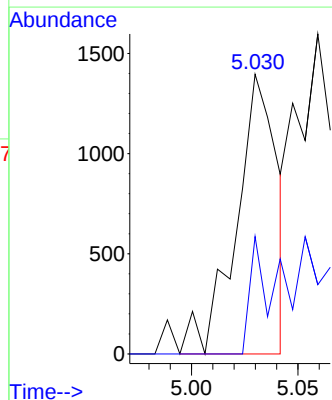
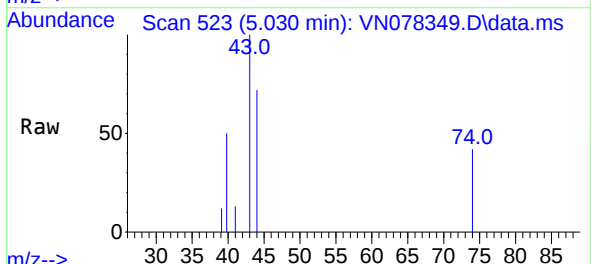
Instrument :
MSVOA_N
ClientSampleId :
SB-06-0-2.0

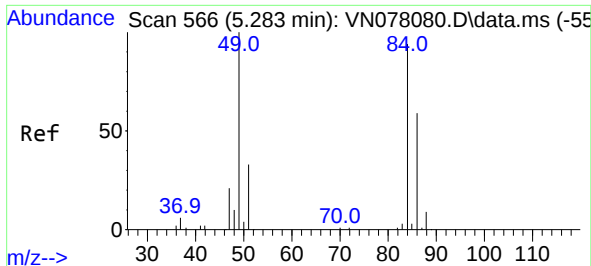
Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.274 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

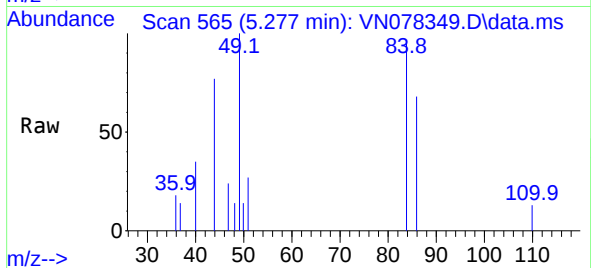
Tgt Ion: 43 Resp: 1874
Ion Ratio Lower Upper
43 100
74 14.6 26.2 39.4#





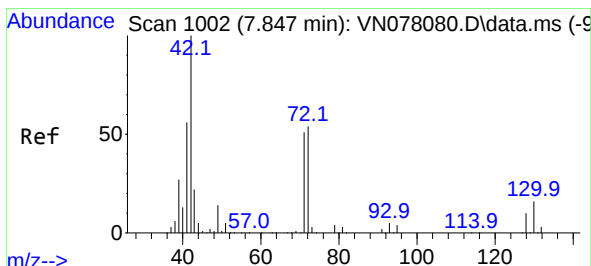
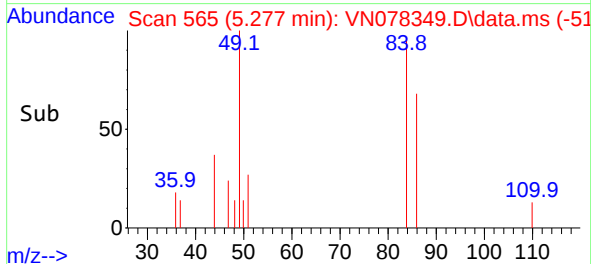
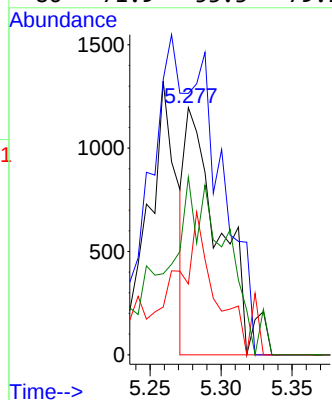
#20
Methylene Chloride
Concen: 0.417 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Instrument :
MSVOA_N
ClientSampleId :
SB-06-0-2.0



Tgt Ion: 84 Resp: 2045

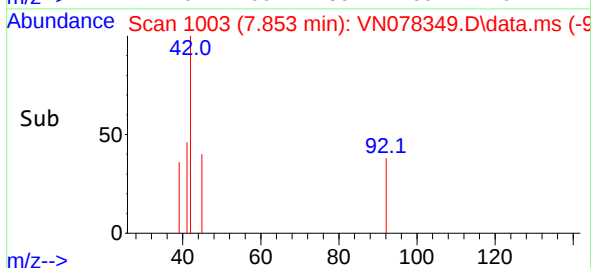
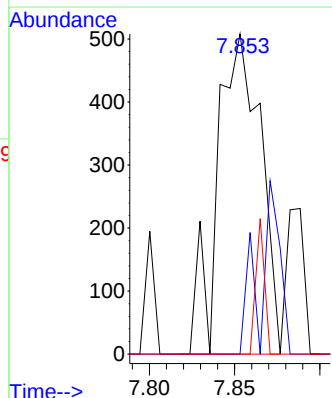
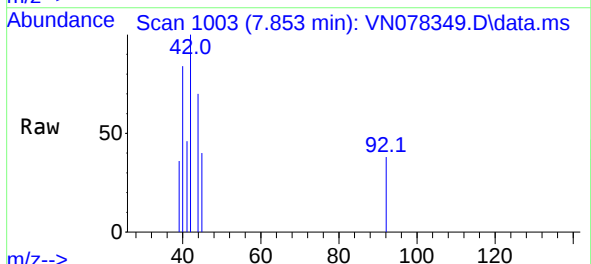
Ion	Ratio	Lower	Upper
84	100		
49	105.8	79.7	119.5
51	28.7	25.2	37.8
86	71.9	53.3	79.9

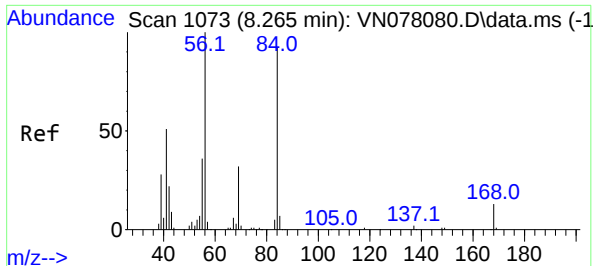


#29
Tetrahydrofuran
Concen: 0.589 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 42 Resp: 898

Ion	Ratio	Lower	Upper
42	100		
72	24.9	49.8	74.6#
71	8.5	47.4	71.2#

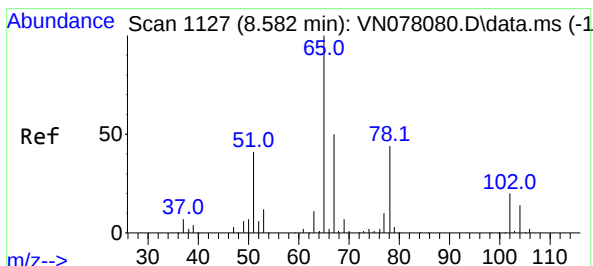
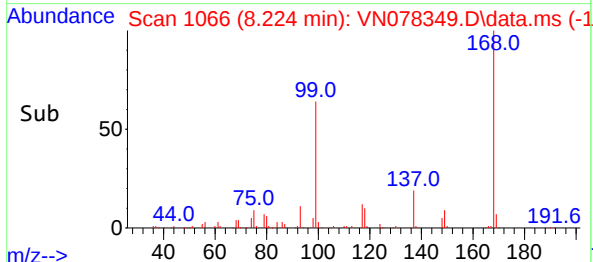
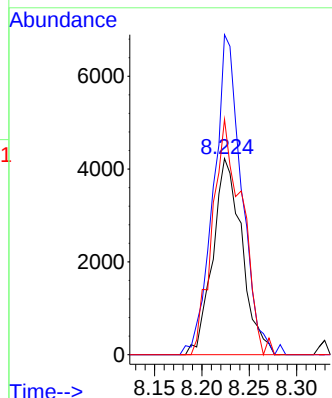
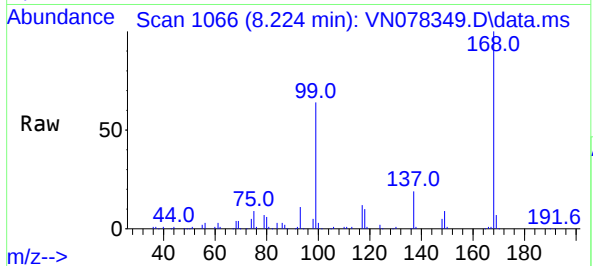




#31
Cyclohexane
Concen: 1.369 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

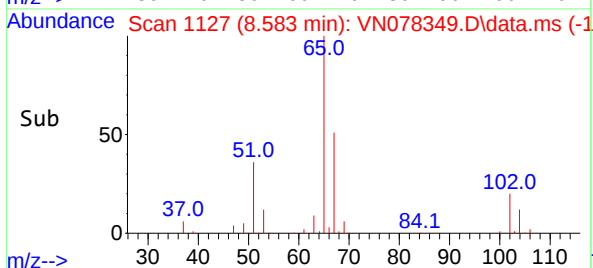
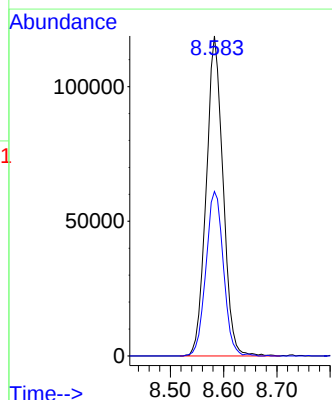
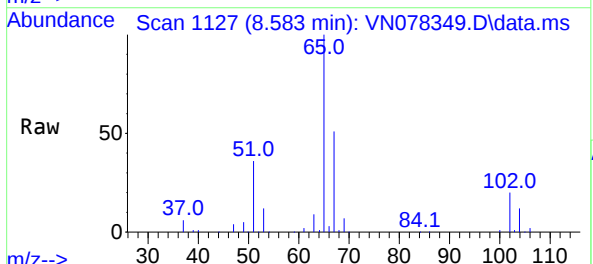
Instrument :
MSVOA_N
ClientSampleId :
SB-06-0-2.0

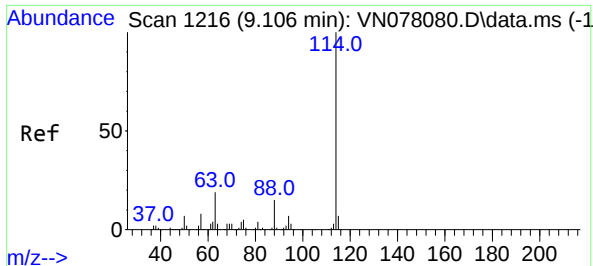
Tgt Ion: 56 Resp: 9049
Ion Ratio Lower Upper
56 100
69 166.6 26.8 40.2#
84 120.0 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 50.558 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 65 Resp: 260486
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.6



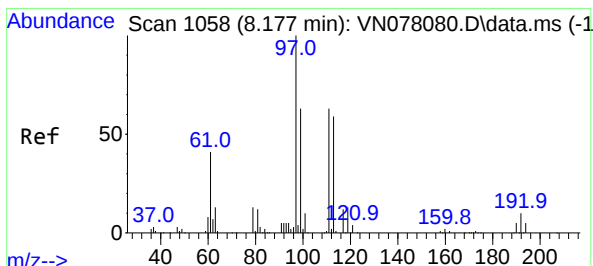
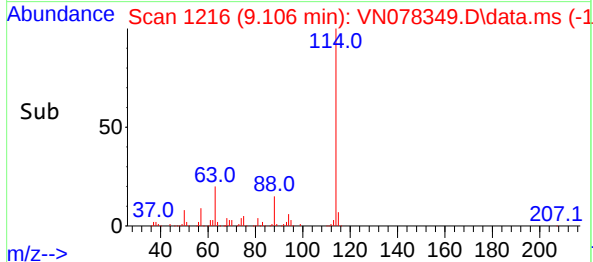
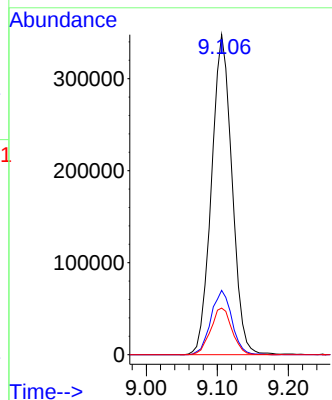
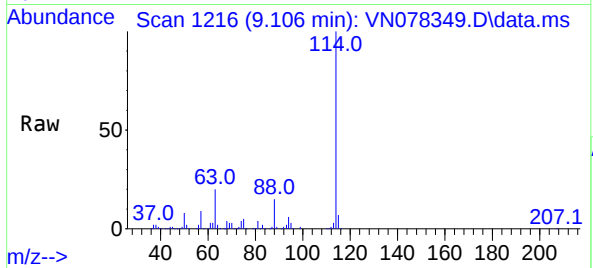


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Instrument :
MSVOA_N
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Tgt Ion:114 Resp: 696528

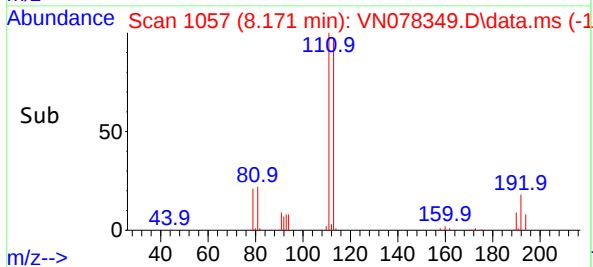
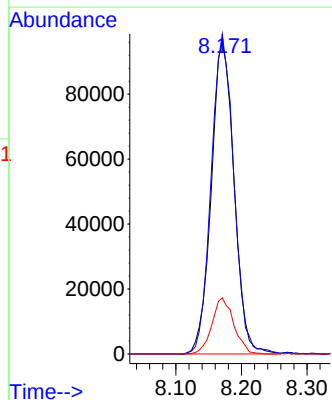
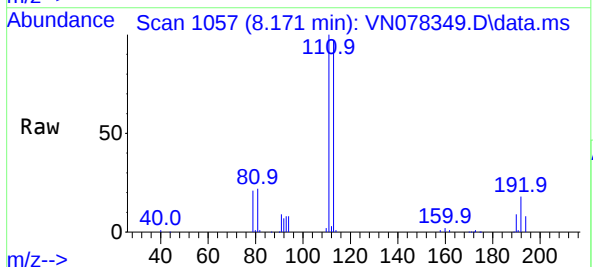
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	36.4
88	14.6	0.0	30.6

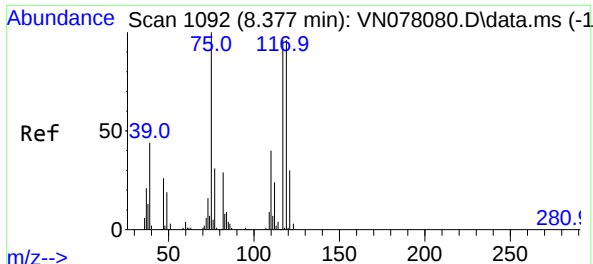


#35
Dibromofluoromethane
Concen: 52.610 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Tgt Ion:113 Resp: 231696

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	123.8
192	17.2	12.7	19.1

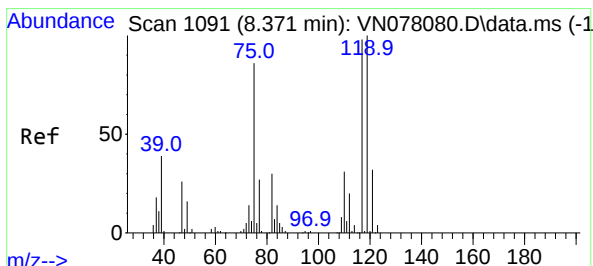
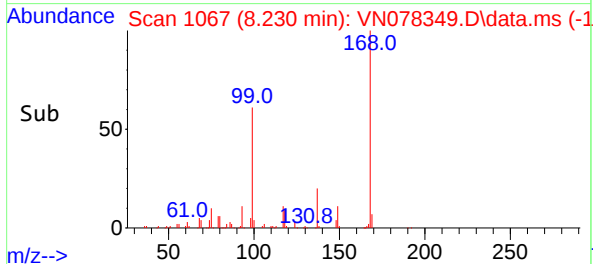
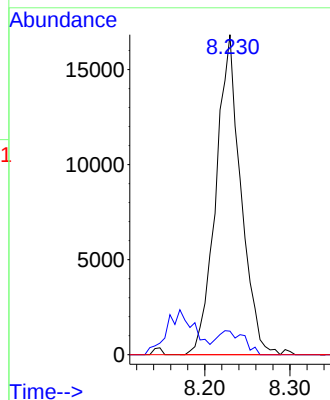
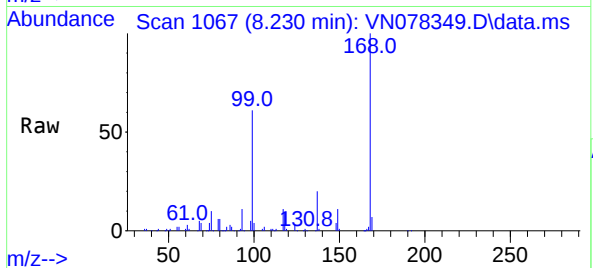




#36
1,1-Dichloropropene
Concen: 5.422 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

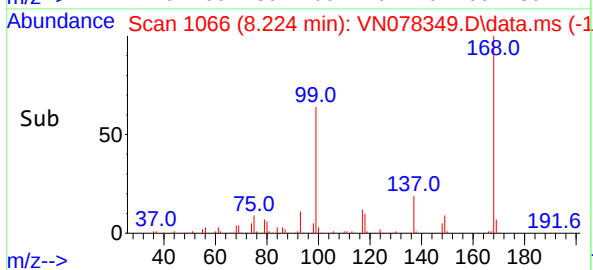
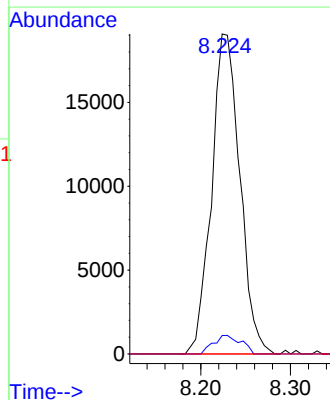
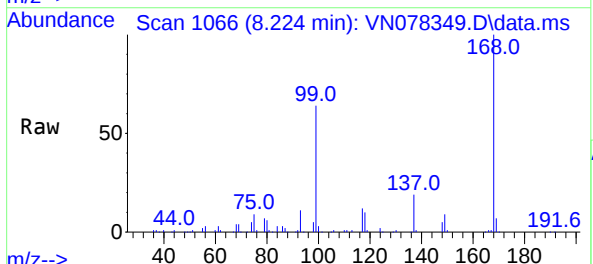
Instrument :
MSVOA_N
ClientSampleId :
SB-06-0-2.0

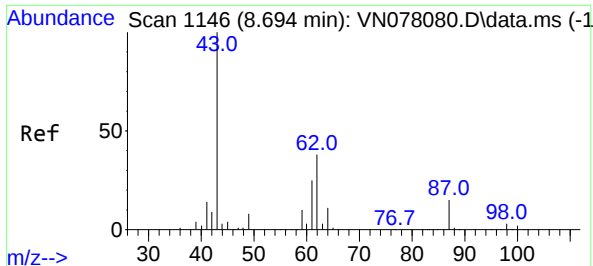
Tgt Ion: 75 Resp: 34249
Ion Ratio Lower Upper
75 100
110 8.2 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.254 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 117 Resp: 41714
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#

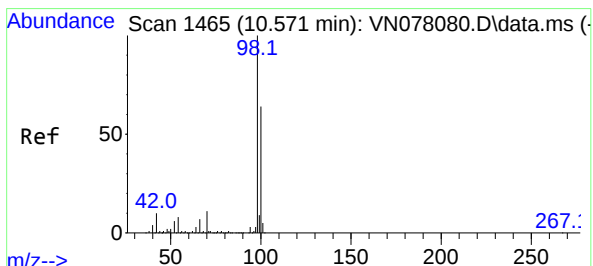
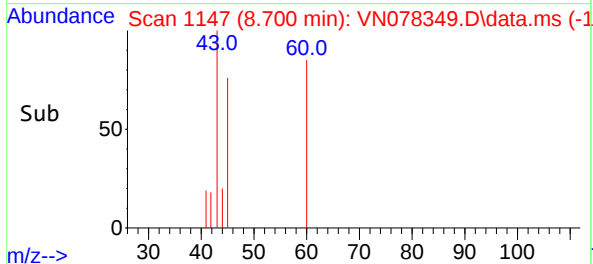
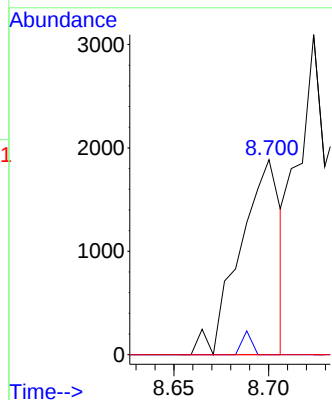
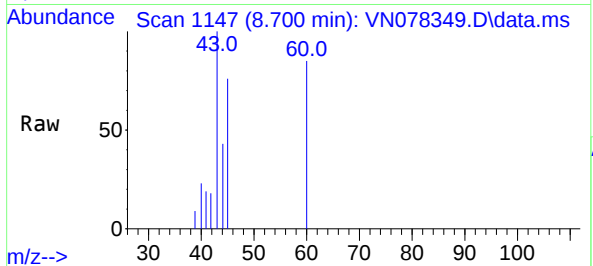




#43
Isopropyl Acetate
Concen: 0.298 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

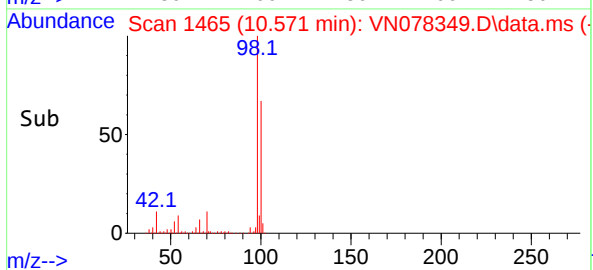
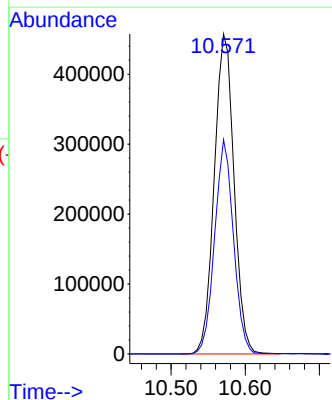
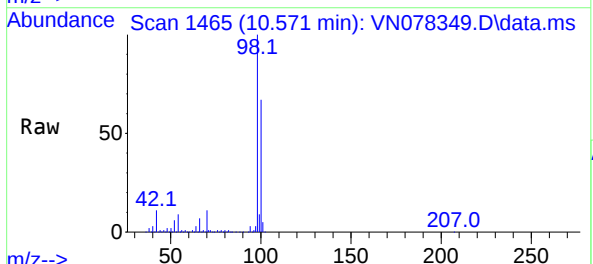
Instrument :
MSVOA_N
ClientSampleId :
SB-06-0-2.0

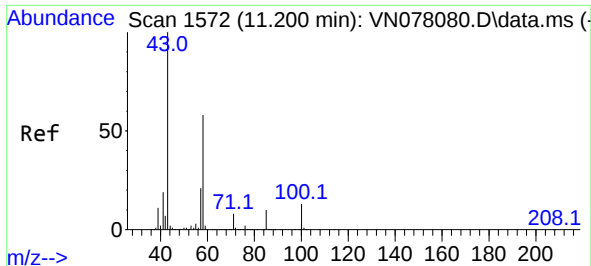
Tgt Ion: 43 Resp: 2811
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.833 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 98 Resp: 846062
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

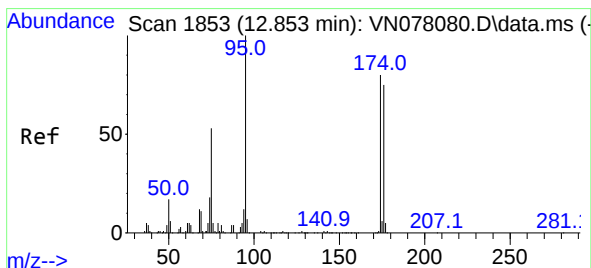
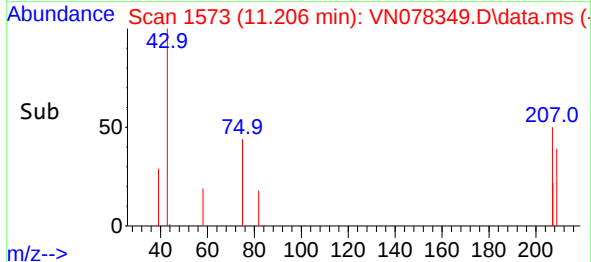
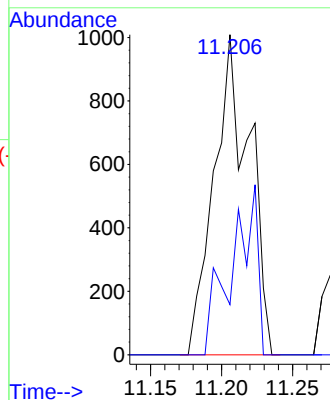
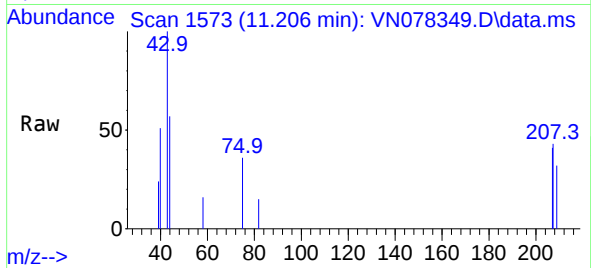




#59
2-Hexanone
Concen: 0.505 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

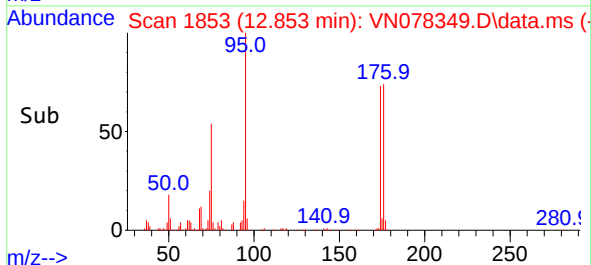
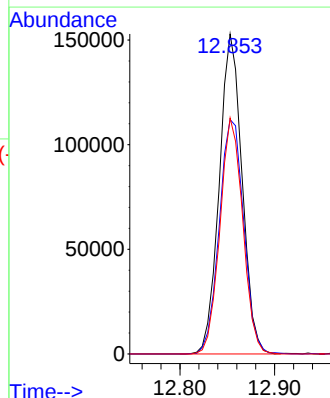
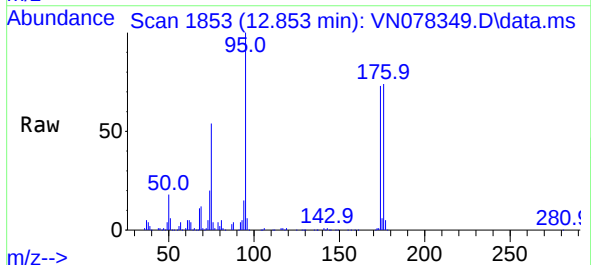
Instrument :
MSVOA_N
ClientSampleId :
SB-06-0-2.0

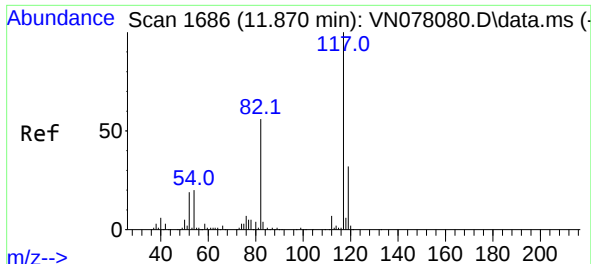
Tgt Ion: 43 Resp: 1748
Ion Ratio Lower Upper
43 100
58 38.8 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 48.350 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 95 Resp: 255197
Ion Ratio Lower Upper
95 100
174 78.8 0.0 143.8
176 73.9 0.0 135.8

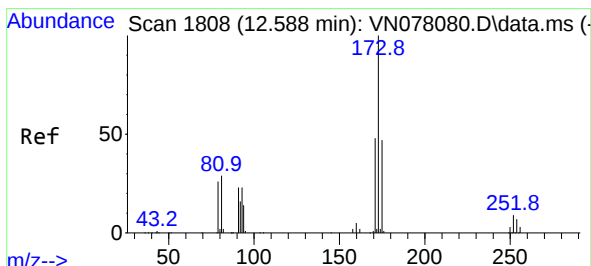
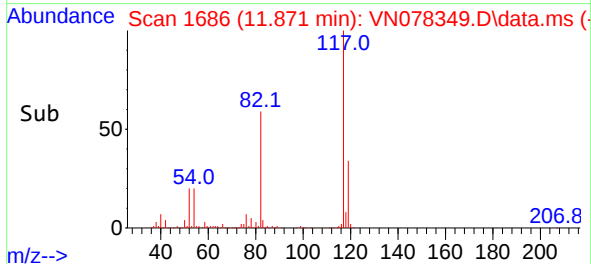
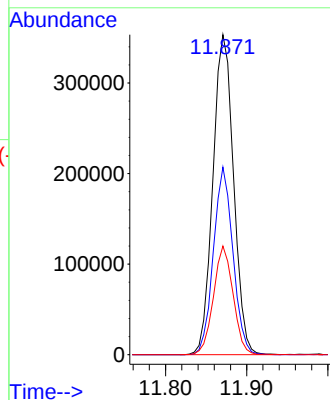
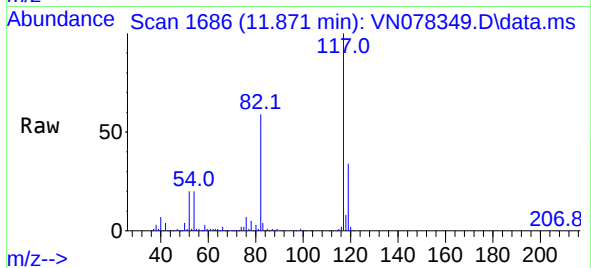




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

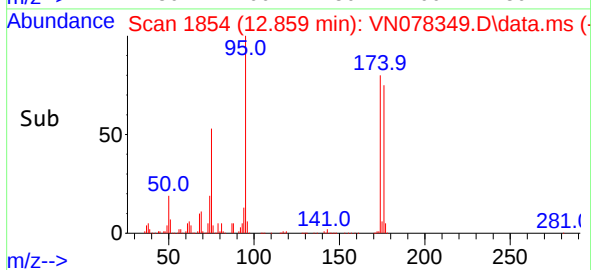
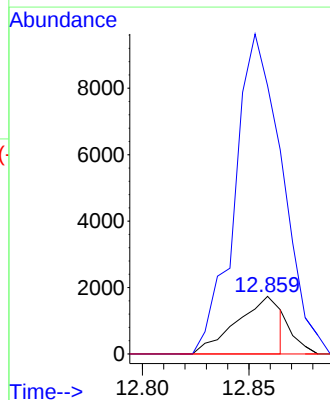
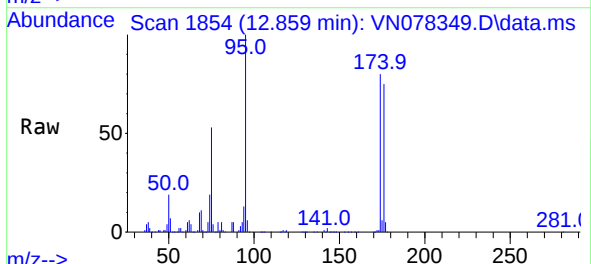
Instrument :
MSVOA_N
ClientSampleId :
SB-06-0-2.0

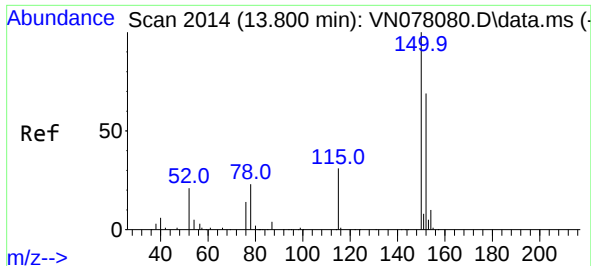
Tgt Ion:117 Resp: 625834
Ion Ratio Lower Upper
117 100
82 58.6 44.0 66.0
119 34.0 25.6 38.4



#71
Bromoform
Concen: 0.789 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.271 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

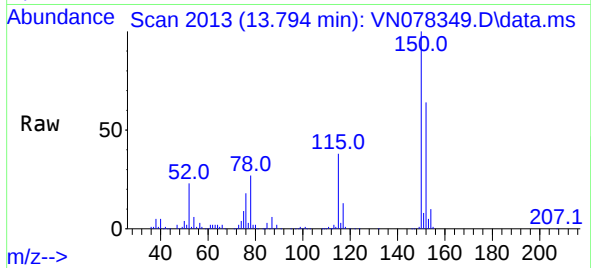
Tgt Ion:173 Resp: 2511
Ion Ratio Lower Upper
173 100
175 524.7 24.3 73.0#
254 0.0 0.0 0.0



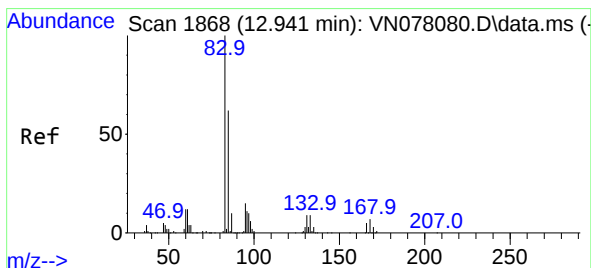
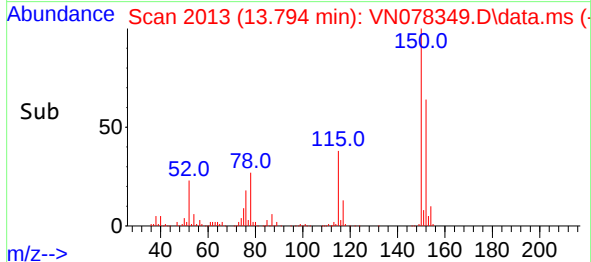
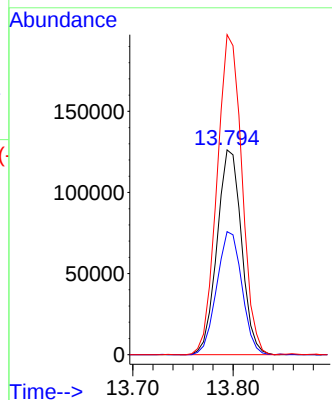


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Instrument :
MSVOA_N
ClientSampleId :
SB-06-0-2.0

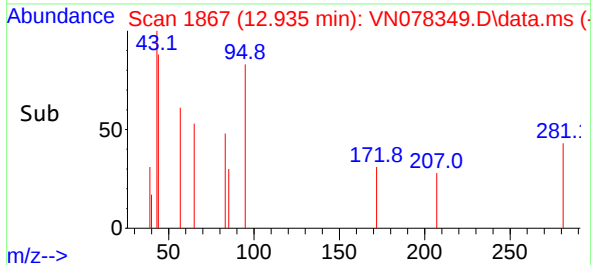
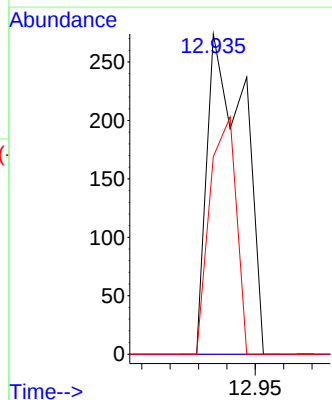
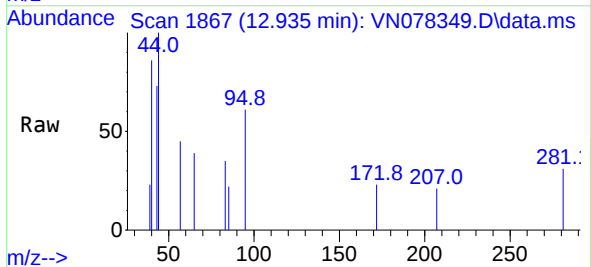


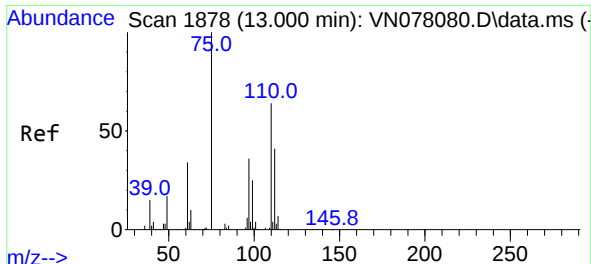
Tgt Ion:152 Resp: 213757
Ion Ratio Lower Upper
152 100
115 61.7 32.3 96.8
150 158.9 0.0 355.8



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 83 Resp: 249
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 52.6 31.9 95.7

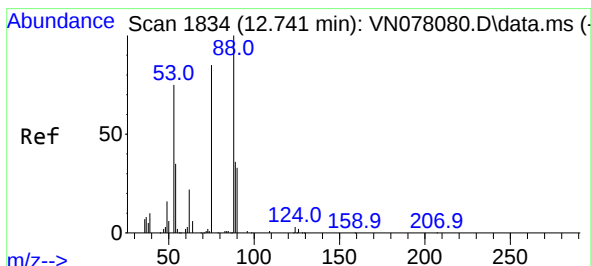
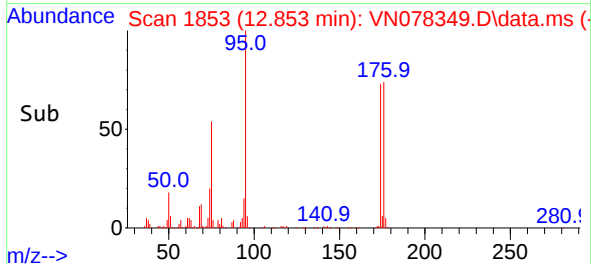
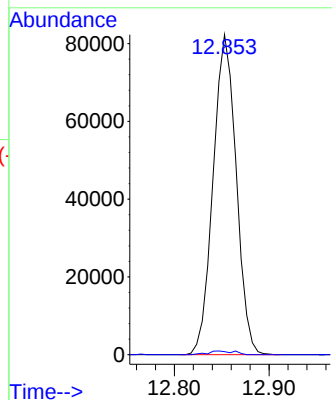
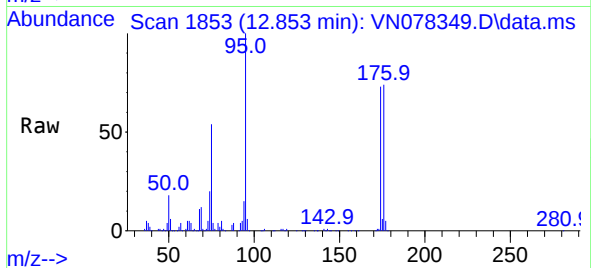




#76
1,2,3-Trichloropropane
Concen: 27.611 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

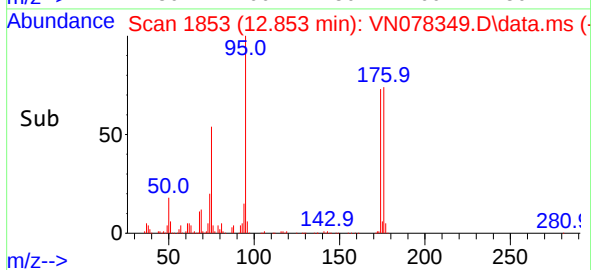
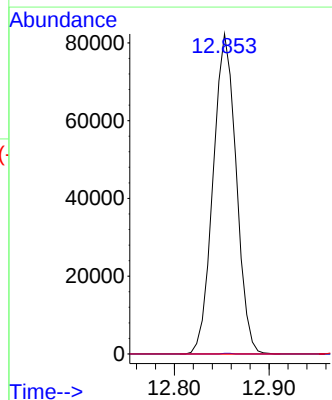
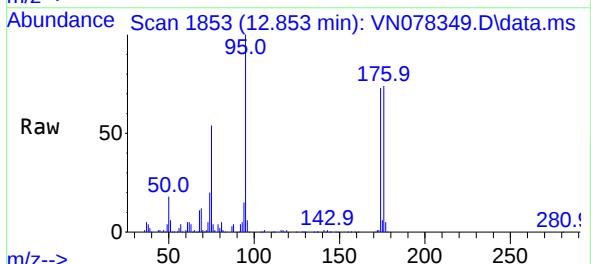
Instrument :
MSVOA_N
ClientSampleId :
SB-06-0-2.0

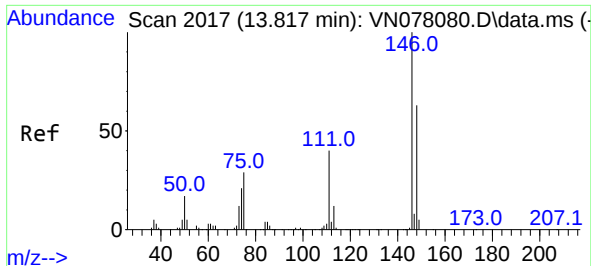
Tgt Ion: 75 Resp: 139527
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.830 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 75 Resp: 139527
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

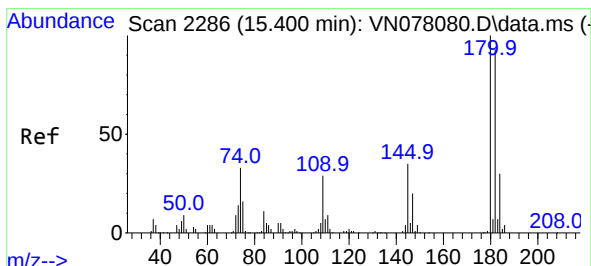
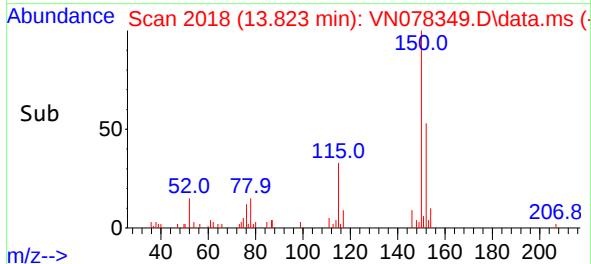
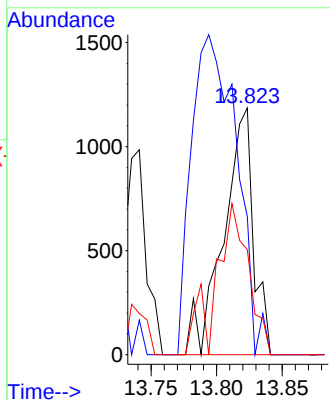
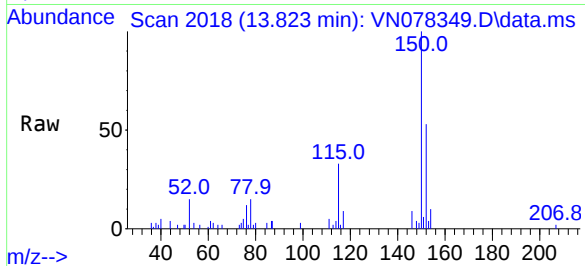




#88
1,4-Dichlorobenzene
Concen: 0.246 ug/l
RT: 13.823 min Scan# 2017
Delta R.T. 0.006 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

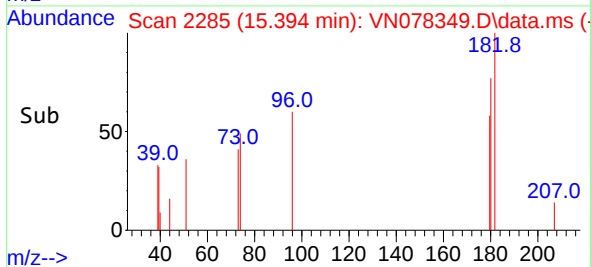
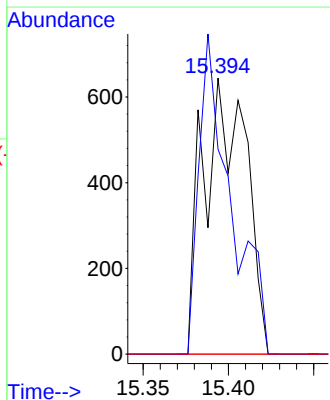
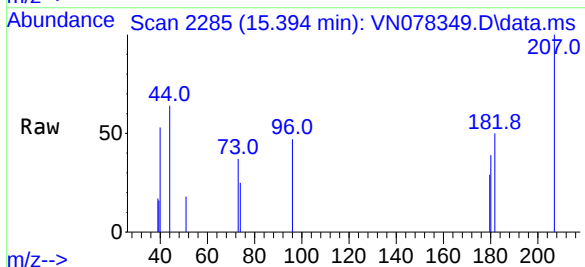
Instrument :
MSVOA_N
ClientSampleId :
SB-06-0-2.0

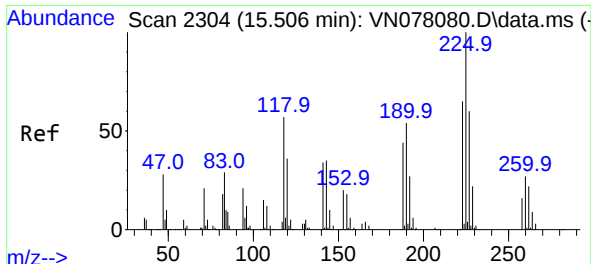
Tgt Ion:146 Resp: 1887
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.8#
148 67.1 31.6 94.8



#93
1,2,4-Trichlorobenzene
Concen: 0.408 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.006 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Tgt Ion:180 Resp: 1127
Ion Ratio Lower Upper
180 100
182 86.0 46.1 138.2
145 0.0 16.6 49.8#

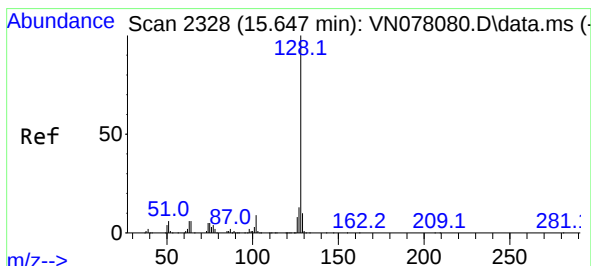
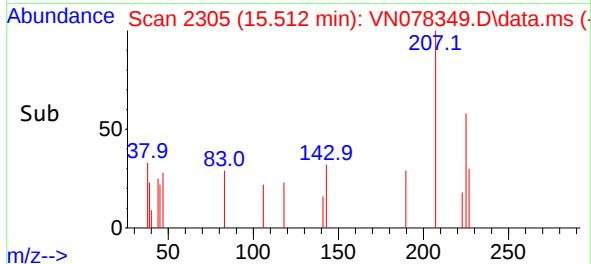
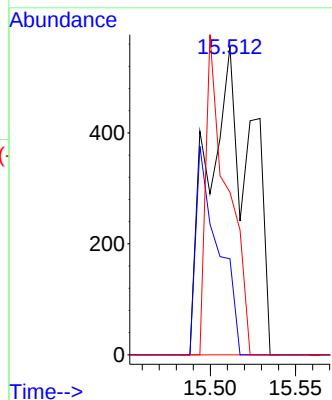
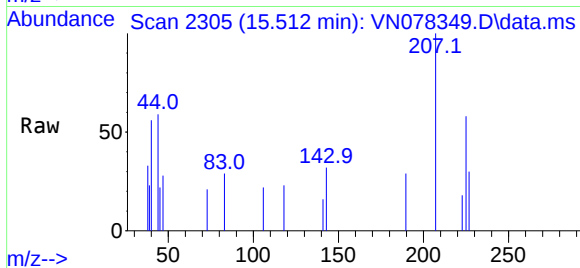




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.512 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Instrument :
MSVOA_N
ClientSampleId :
SB-06-0-2.0

Tgt Ion:	225	Resp:	963
Ion	Ratio	Lower	Upper
225	100		
223	35.2	31.3	93.8
227	51.9	31.9	95.9



#95
Naphthalene
Concen: 0.389 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.000 min
Lab File: VN078349.D
Acq: 22 Jun 2023 14:52

Tgt Ion:	128	Resp:	3613
Ion	Ratio	Lower	Upper
128	100		
127	17.3	10.0	15.0#
129	10.9	8.7	13.1

