

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101222\
 Data File : VN074879.D
 Acq On : 12 Oct 2022 16:45
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 13 07:57:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

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

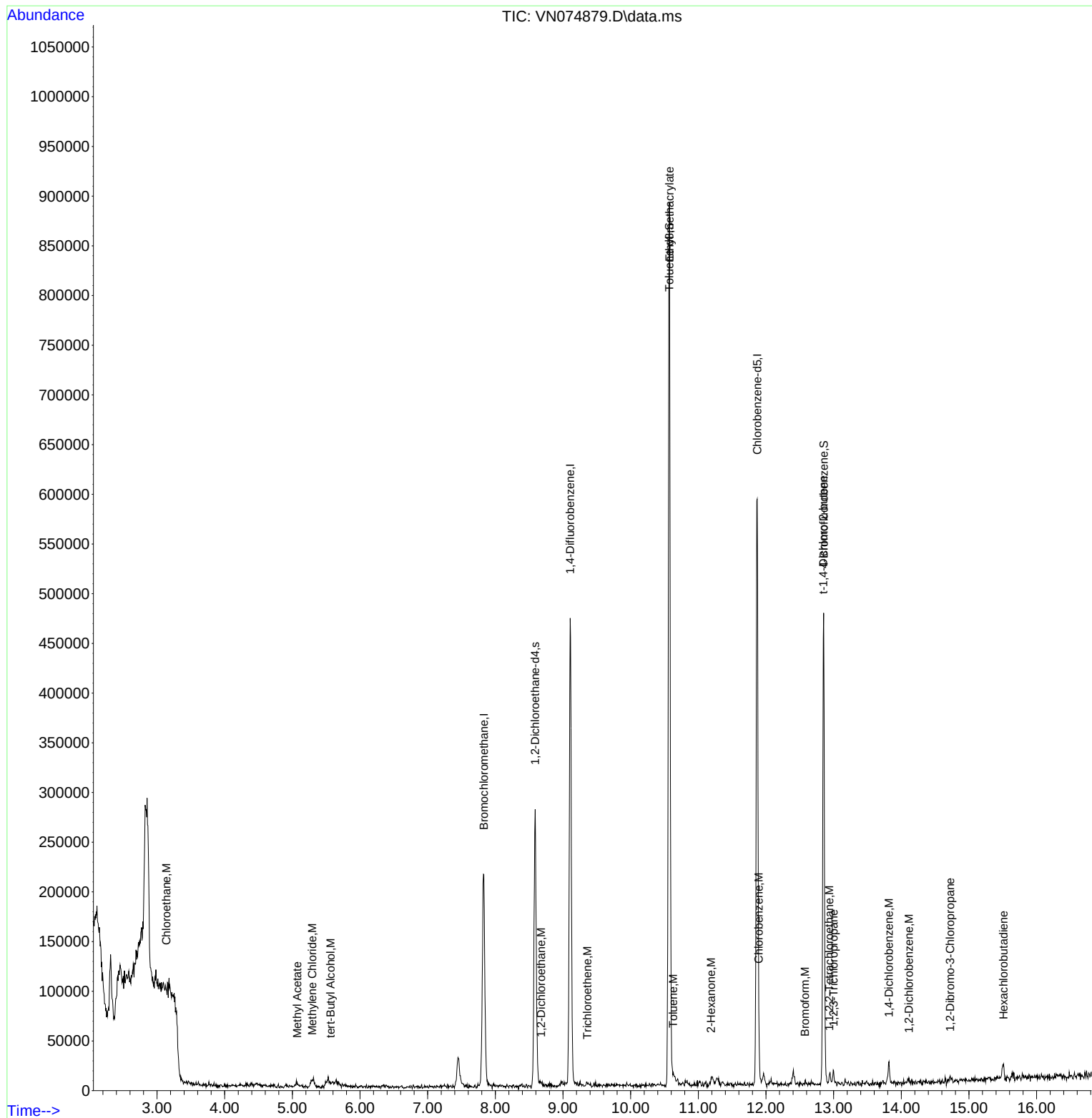
Internal Standards						
1) Bromochloromethane	7.830	128	66761	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	386863	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	339297	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	201750	32.279	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.600%
60) 4-Bromofluorobenzene	12.853	95	143057	23.775	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.267%
63) Toluene-d8	10.571	98	599852	30.632	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.100%
Target Compounds						
					Qvalue	
6) Chloroethane	3.136	64	6456	0.975	ug/l	95
12) Methyl Acetate	5.071	43	2080	0.212	ug/l	95
18) Methylene Chloride	5.295	84	2860	0.541	ug/l #	31
23) tert-Butyl Alcohol	5.565	59	731	0.474	ug/l #	100
36) 1,2-Dichloroethane	8.677	62	1925	0.251	ug/l #	74
37) Trichloroethene	9.359	130	1004	0.209	ug/l #	2
51) Ethyl methacrylate	10.577	69	2127	0.214	ug/l	79
56) Bromoform	12.576	173	1456	0.354	ug/l #	57
59) 2-Hexanone	11.188	43	3984	0.491	ug/l #	63
62) Toluene	10.630	91	5214	0.222	ug/l #	71
64) Chlorobenzene	11.894	112	6038	0.453	ug/l #	69
71) 1,1,2,2-Tetrachloroethane	12.935	83	4817	0.513	ug/l	97
72) 1,2,3-Trichloropropane	13.000	75	2312	0.293	ug/l	25
77) t-1,4-Dichloro-2-butene	12.847	75	84663	25.829	ug/l #	15
84) 1,4-Dichlorobenzene	13.818	146	7419	0.752	ug/l #	34
87) 1,2-Dichlorobenzene	14.112	146	2515	0.247	ug/l #	58
88) 1,2-Dibromo-3-Chloropr...	14.723	75	644	0.340	ug/l #	7
90) Hexachlorobutadiene	15.512	225	3160	1.392	ug/l	59

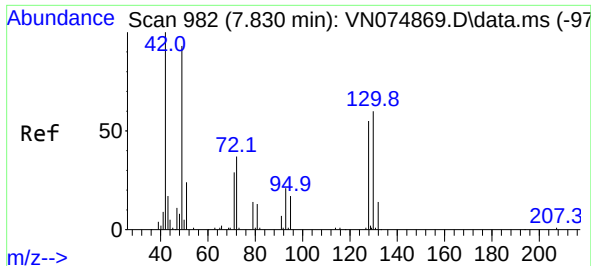
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 13 07:57:23 2022
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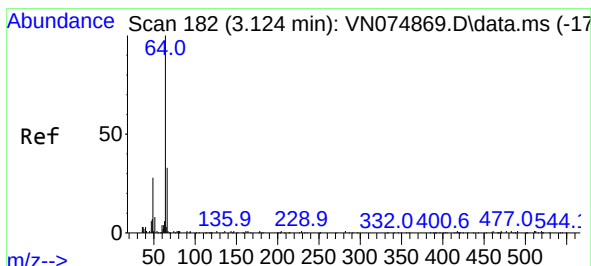
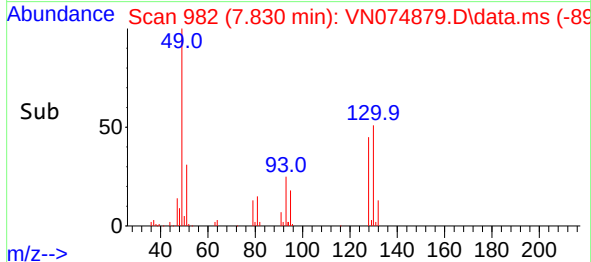
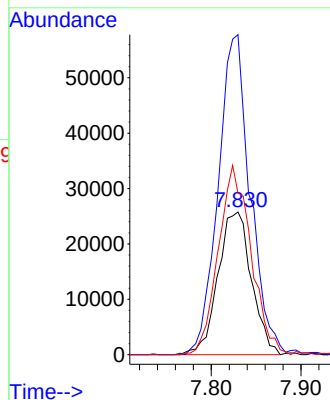
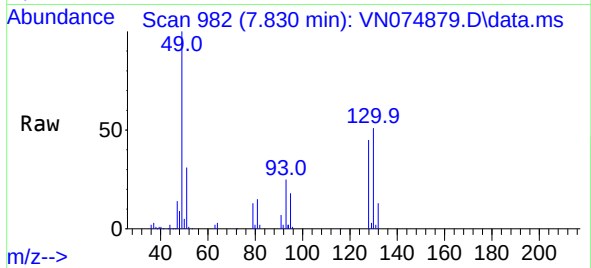




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.830 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

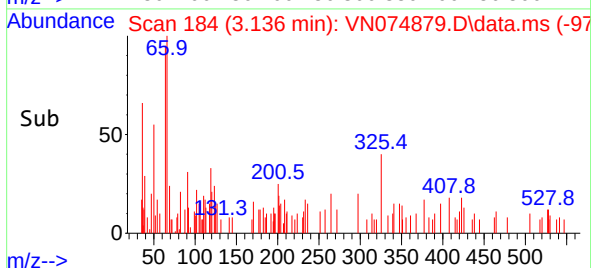
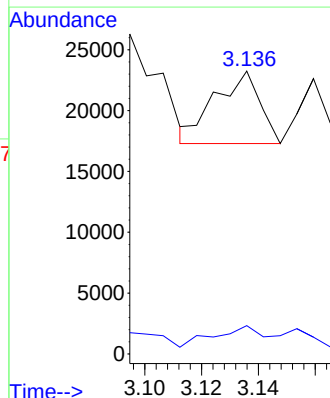
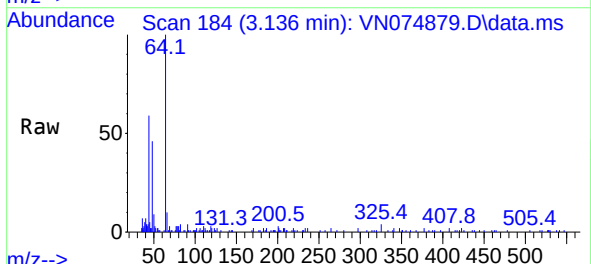
Instrument :
MSVOA_N
ClientSampleId :
IBLK

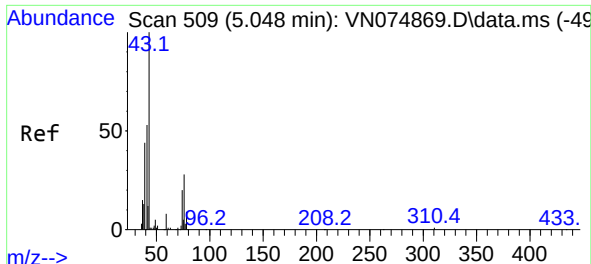
Tgt Ion:128 Resp: 66761
Ion Ratio Lower Upper
128 100
49 213.9 0.0 492.0
130 129.4 0.0 313.3



#6
Chloroethane
Concen: 0.975 ug/l
RT: 3.136 min Scan# 184
Delta R.T. 0.012 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

Tgt Ion: 64 Resp: 6456
Ion Ratio Lower Upper
64 100
66 29.7 21.8 32.8

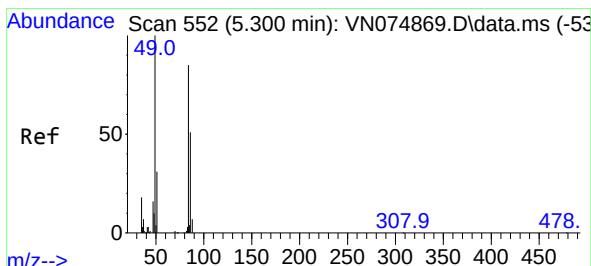
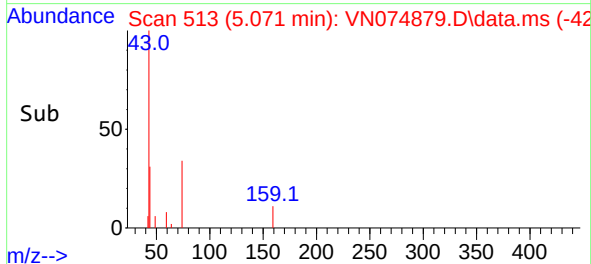
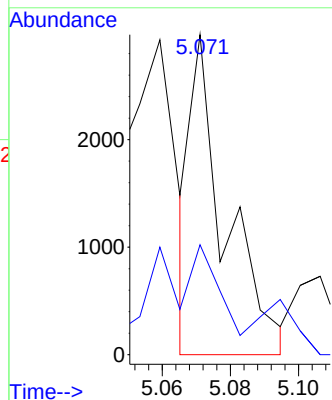
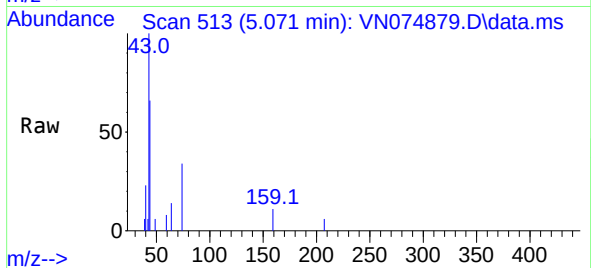




#12
Methyl Acetate
Concen: 0.212 ug/l
RT: 5.071 min Scan# 513
Delta R.T. 0.024 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

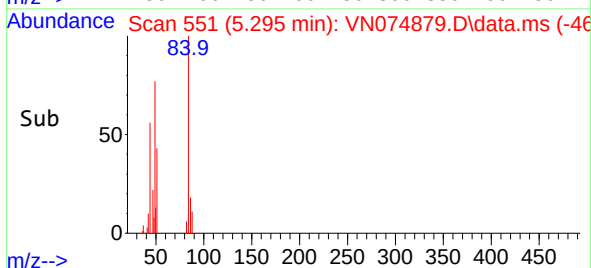
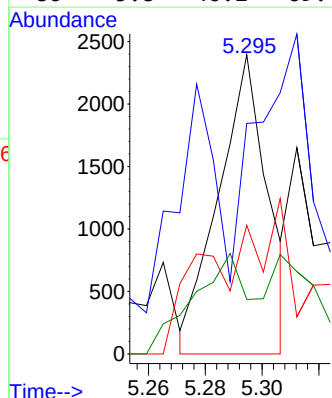
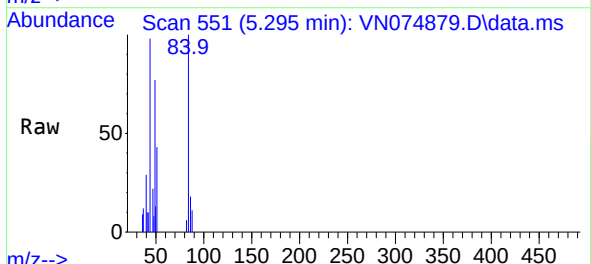
Instrument :
MSVOA_N
ClientSampleId :
IBLK

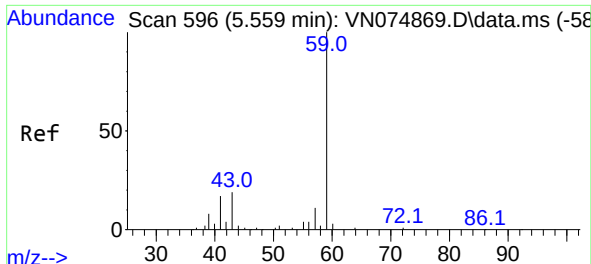
Tgt Ion: 43 Resp: 2080
Ion Ratio Lower Upper
43 100
74 26.4 19.0 28.6



#18
Methylene Chloride
Concen: 0.541 ug/l
RT: 5.295 min Scan# 551
Delta R.T. -0.006 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

Tgt Ion: 84 Resp: 2860
Ion Ratio Lower Upper
84 100
49 32.4 99.6 149.4#
51 21.2 28.2 42.2#
86 5.8 46.2 69.4#

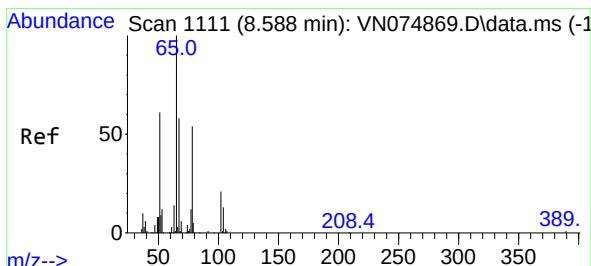
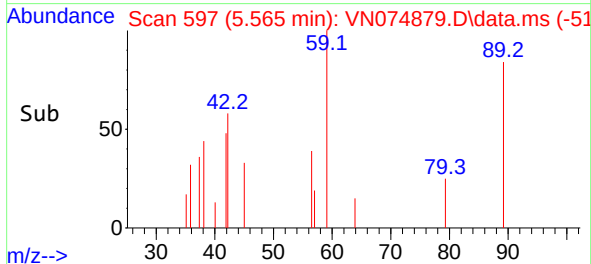
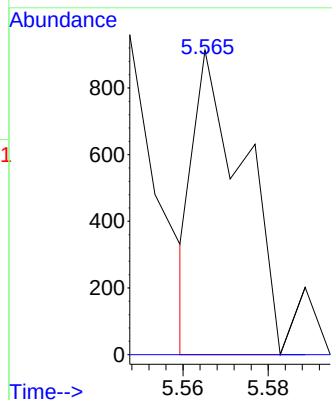
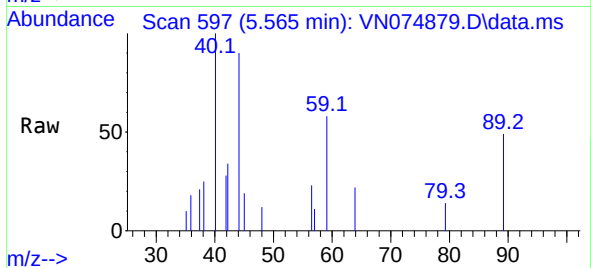




#23
tert-Butyl Alcohol
Concen: 0.474 ug/l
RT: 5.565 min Scan# 597
Delta R.T. 0.006 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

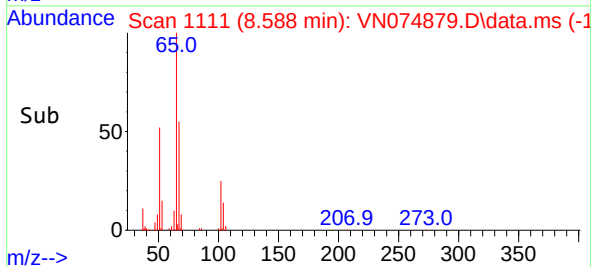
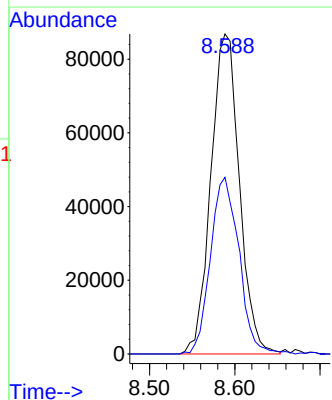
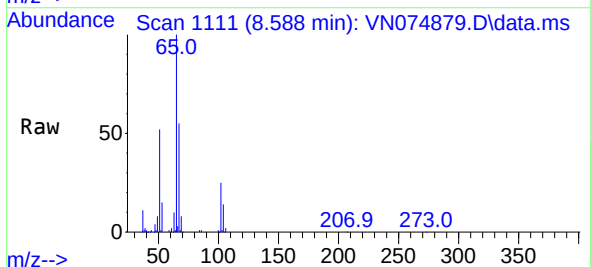
Instrument :
MSVOA_N
ClientSampleId :
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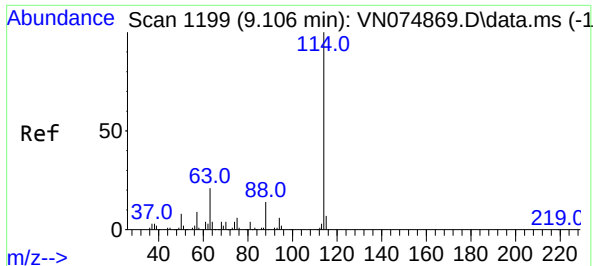
Tgt Ion: 59 Resp: 731
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4#



#27
1,2-Dichloroethane-d4
Concen: 32.279 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

Tgt Ion: 65 Resp: 201750
Ion Ratio Lower Upper
65 100
67 55.1 45.2 67.8

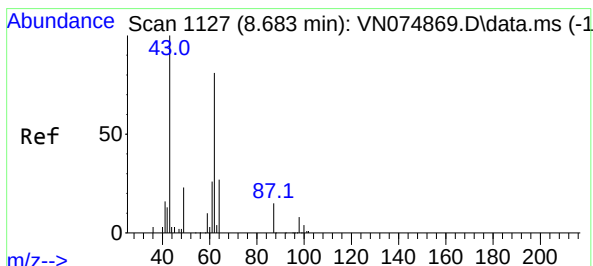
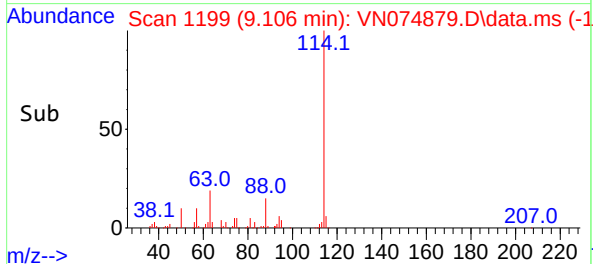
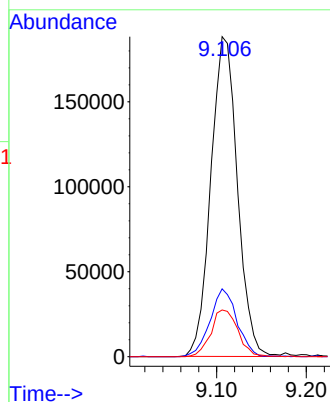
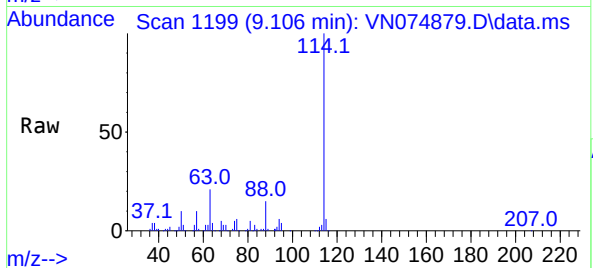




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

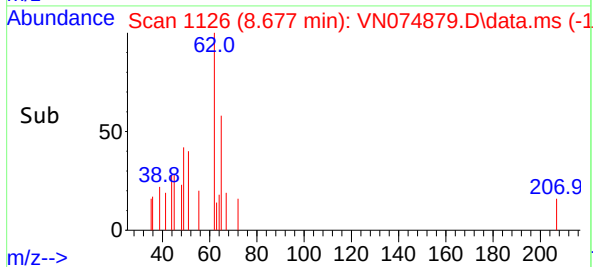
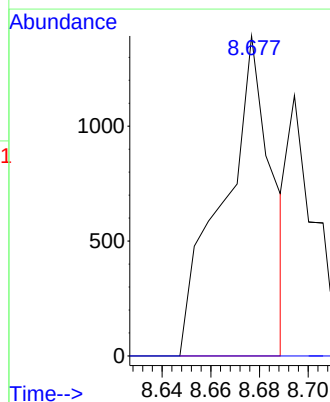
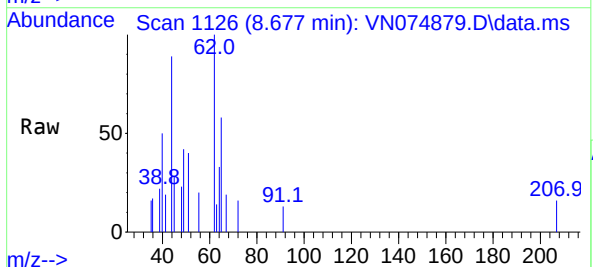
Instrument :
MSVOA_N
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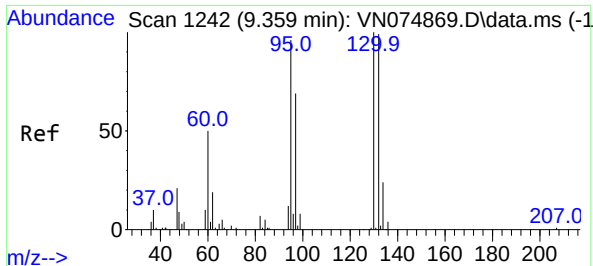
Tgt Ion:114 Resp: 386863
Ion Ratio Lower Upper
114 100
63 21.5 16.6 25.0
88 14.9 12.2 18.4



#36
1,2-Dichloroethane
Concen: 0.251 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

Tgt Ion: 62 Resp: 1925
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#

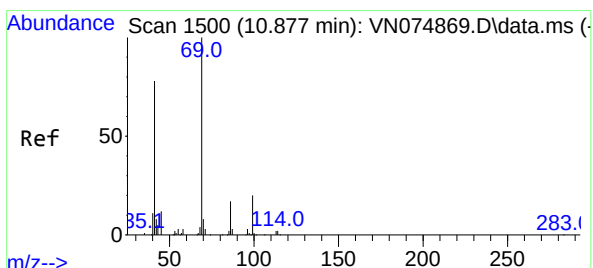
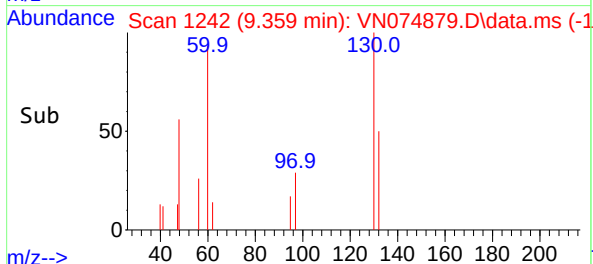
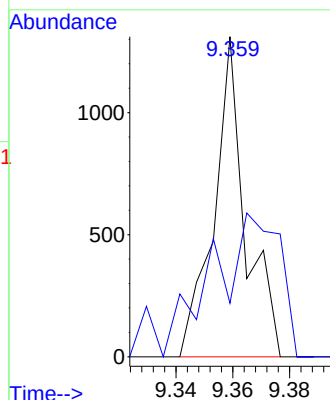
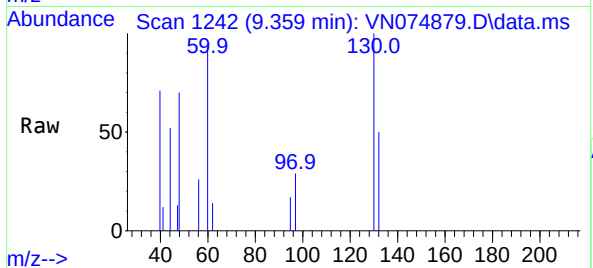




#37
Trichloroethene
Concen: 0.209 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

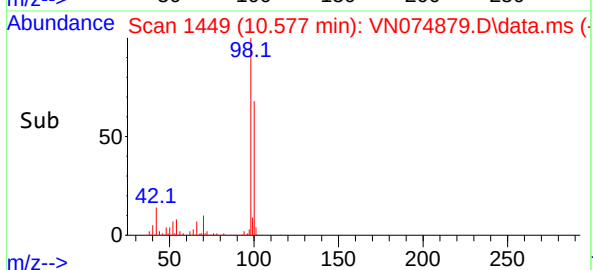
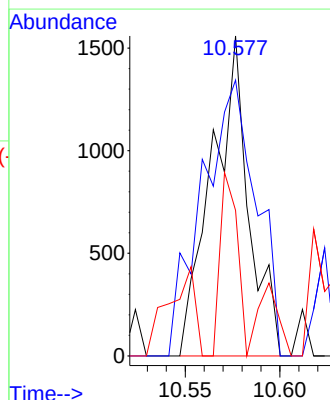
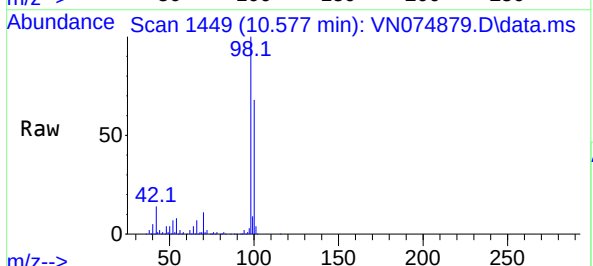
Instrument :
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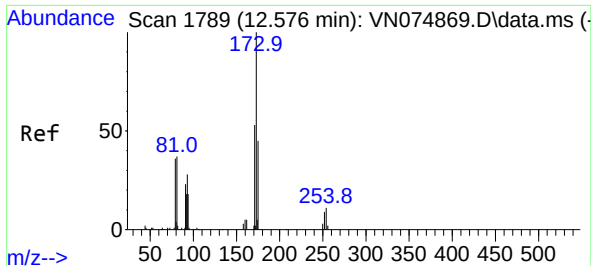
Tgt Ion:130 Resp: 1004
Ion Ratio Lower Upper
130 100
95 0.0 75.9 113.9#



#51
Ethyl methacrylate
Concen: 0.214 ug/l
RT: 10.577 min Scan# 1449
Delta R.T. -0.300 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

Tgt Ion: 69 Resp: 2127
Ion Ratio Lower Upper
69 100
41 86.2 32.5 97.5
39 34.6 21.5 64.5

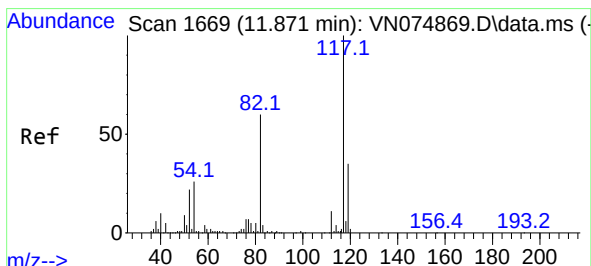
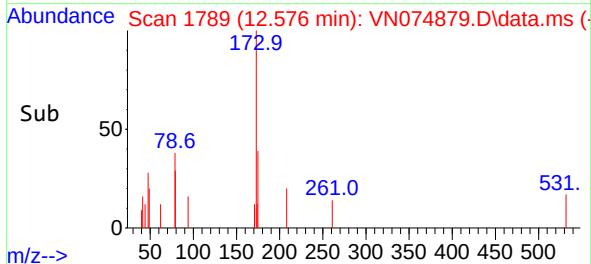
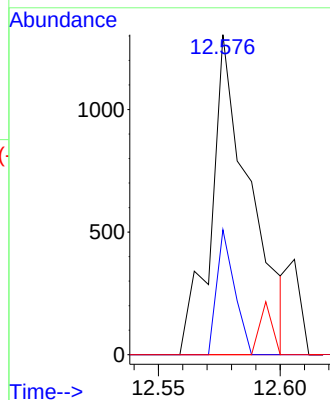
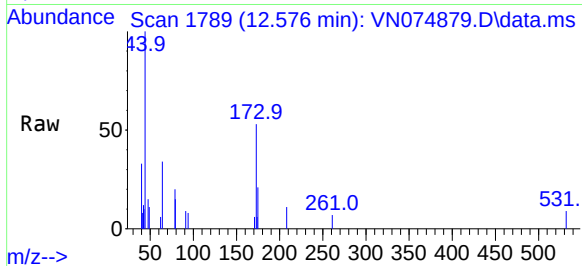




#56
Bromoform
Concen: 0.354 ug/l
RT: 12.576 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

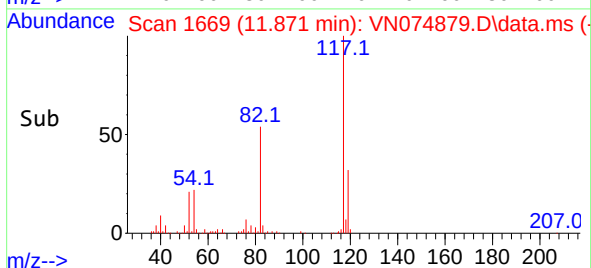
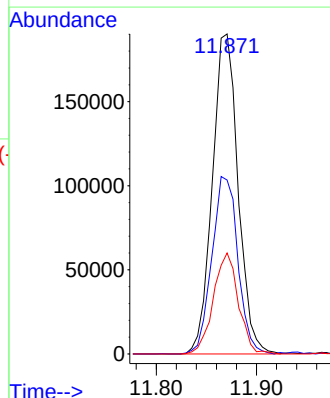
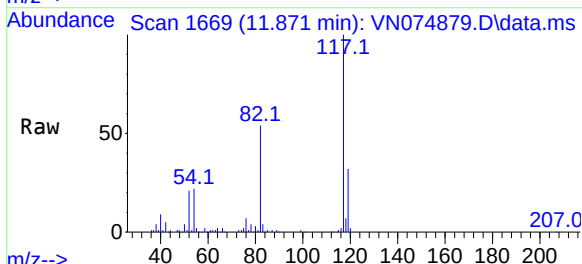
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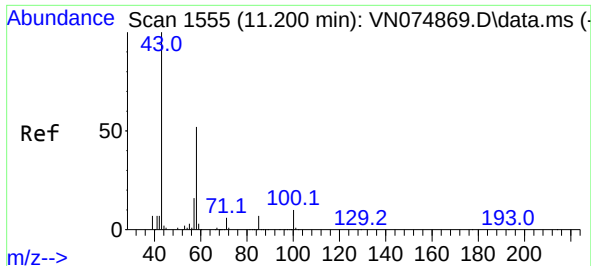
Tgt Ion:173 Resp: 1456
Ion Ratio Lower Upper
173 100
175 17.7 39.1 58.7#
254 0.0 7.0 10.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

Tgt Ion:117 Resp: 339297
Ion Ratio Lower Upper
117 100
82 55.9 44.6 67.0
119 30.4 25.6 38.4

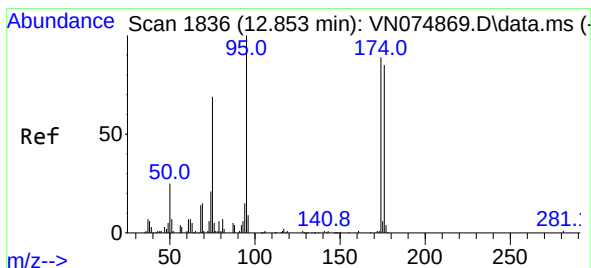
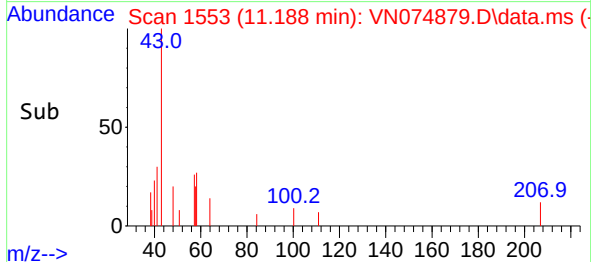
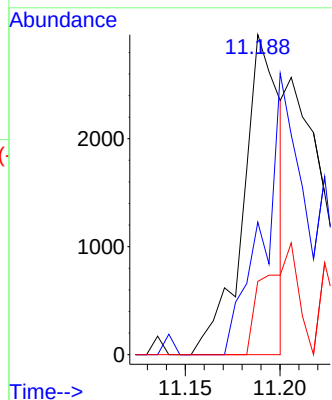
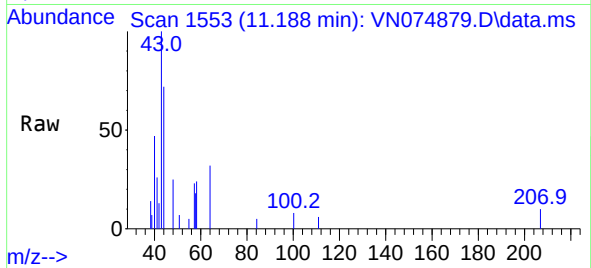




#59
2-Hexanone
Concen: 0.491 ug/l
RT: 11.188 min Scan# 1553
Delta R.T. -0.012 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

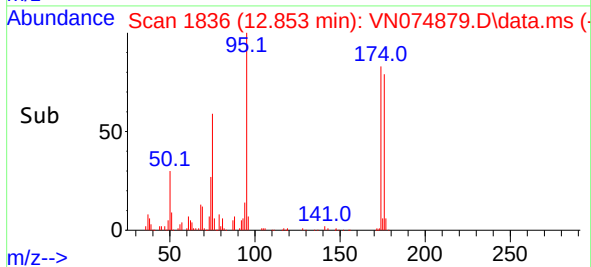
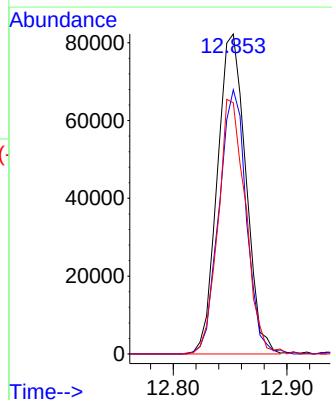
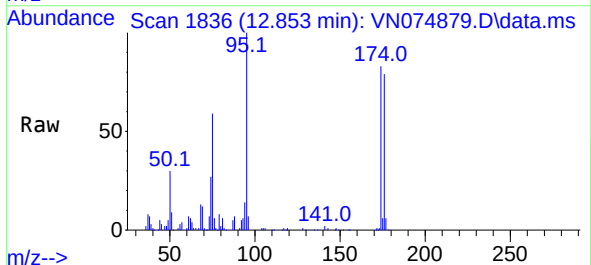
Instrument :
MSVOA_N
ClientSampleId :
IBLK

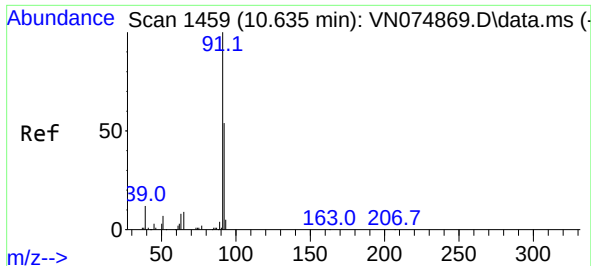
Tgt Ion: 43 Resp: 3984
Ion Ratio Lower Upper
43 100
58 28.5 43.6 65.4#
57 0.0 14.3 21.5#



#60
4-Bromofluorobenzene
Concen: 23.775 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

Tgt Ion: 95 Resp: 143057
Ion Ratio Lower Upper
95 100
174 79.3 57.8 86.8
176 76.3 57.0 85.4

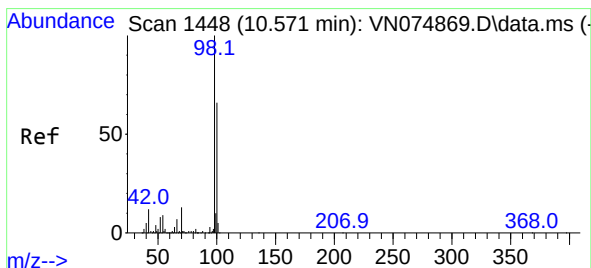
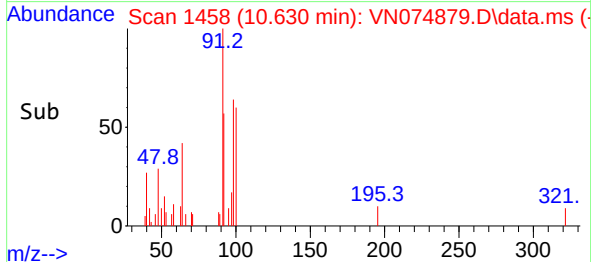
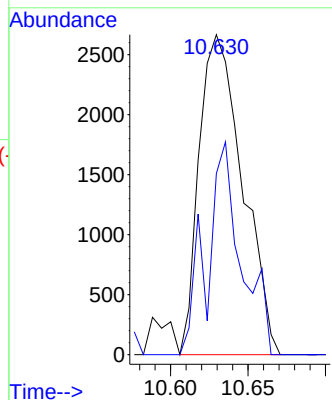
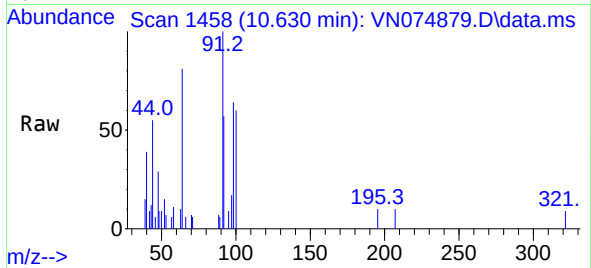




#62
Toluene
Concen: 0.222 ug/l
RT: 10.630 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

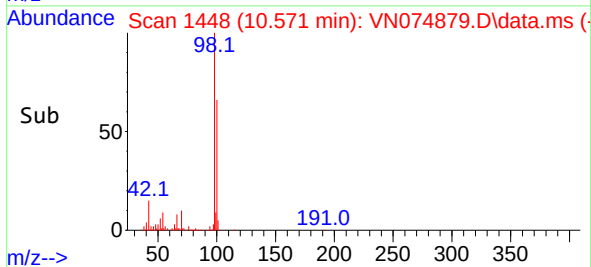
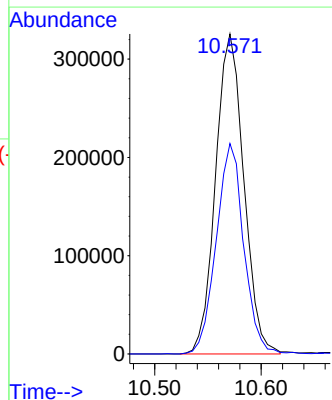
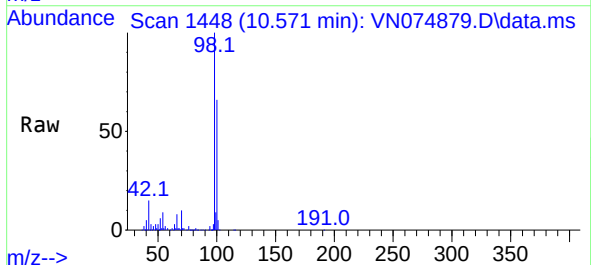
Instrument :
MSVOA_N
ClientSampleId :
IBLK

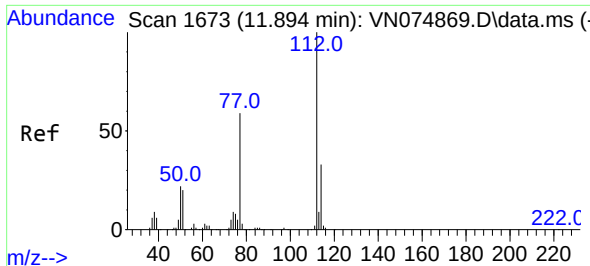
Tgt Ion: 91 Resp: 5214
Ion Ratio Lower Upper
91 100
92 36.0 46.0 69.0#



#63
Toluene-d8
Concen: 30.632 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

Tgt Ion: 98 Resp: 599852
Ion Ratio Lower Upper
98 100
100 63.9 52.7 79.1

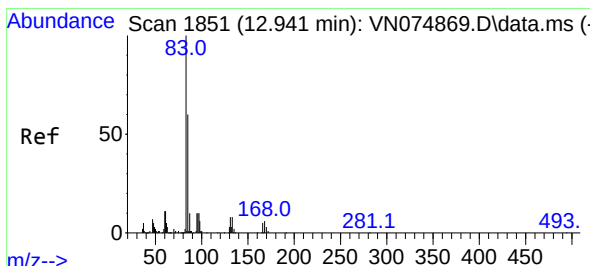
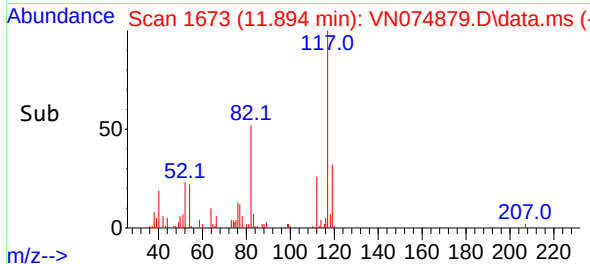
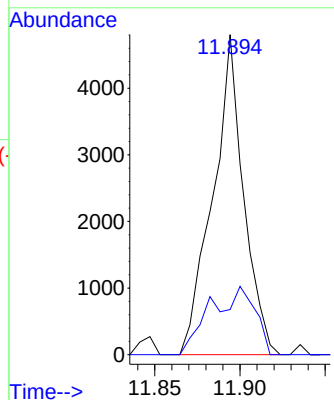
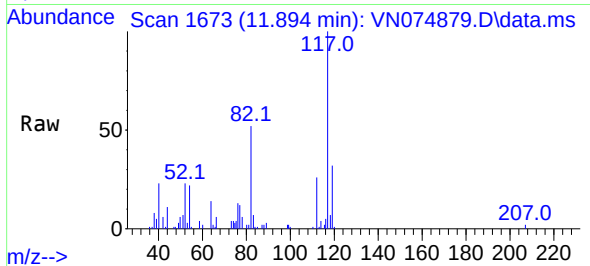




#64
Chlorobenzene
Concen: 0.453 ug/l
RT: 11.894 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

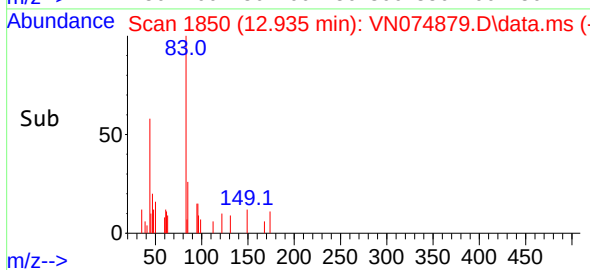
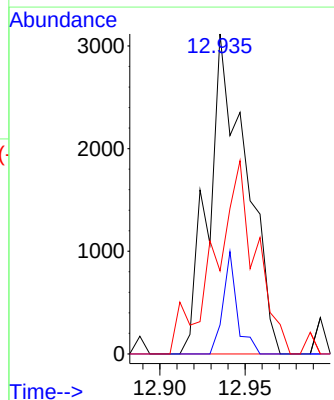
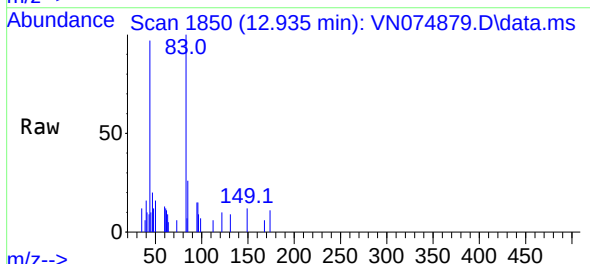
Instrument :
MSVOA_N
ClientSampleId :
IBLK

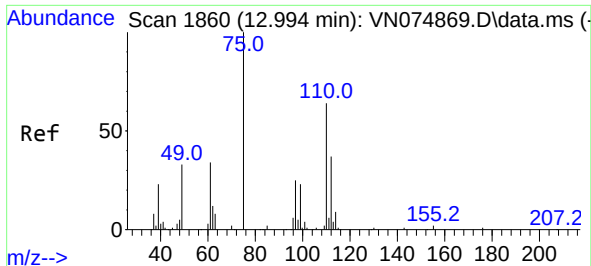
Tgt Ion:112 Resp: 6038
Ion Ratio Lower Upper
112 100
114 14.1 24.7 37.1#



#71
1,1,2,2-Tetrachloroethane
Concen: 0.513 ug/l
RT: 12.935 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

Tgt Ion: 83 Resp: 4817
Ion Ratio Lower Upper
83 100
131 11.8 4.5 13.5
85 59.9 30.9 92.7

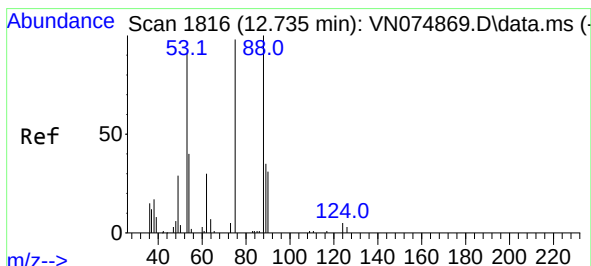
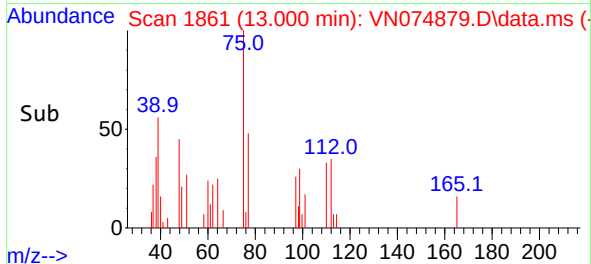
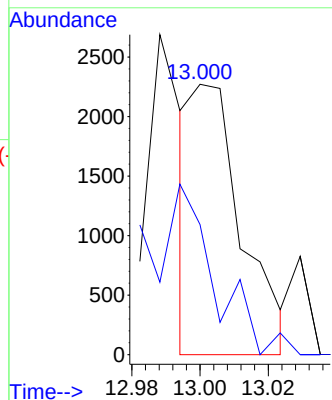
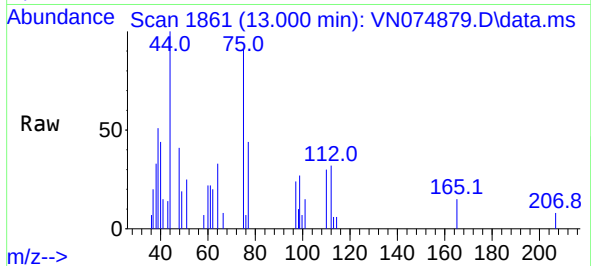




#72
1,2,3-Trichloropropane
Concen: 0.293 ug/l
RT: 13.000 min Scan# 1861
Delta R.T. 0.006 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

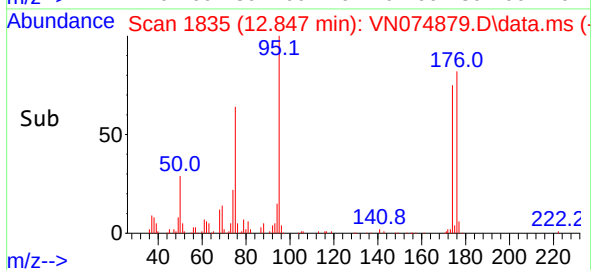
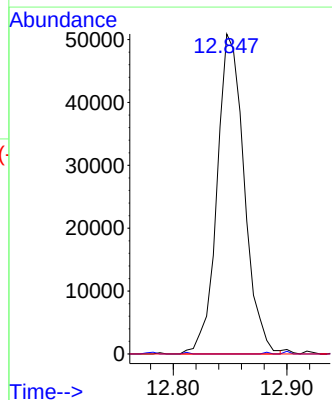
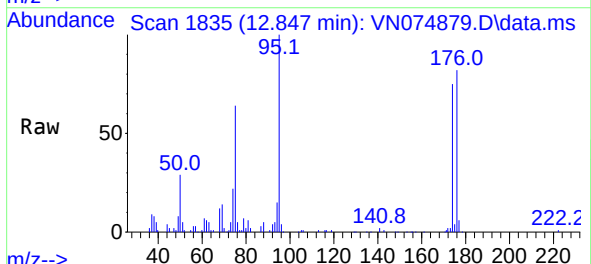
Instrument :
MSVOA_N
ClientSampleId :
IBLK

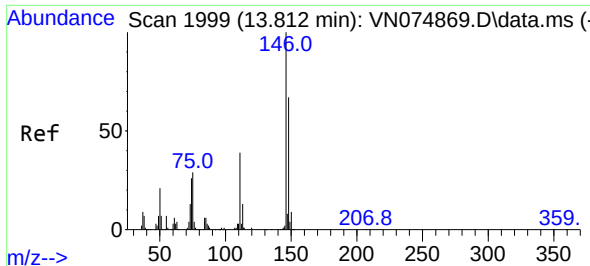
Tgt Ion: 75 Resp: 2312
Ion Ratio Lower Upper
75 100
77 78.2 0.0 372.4



#77
t-1,4-Dichloro-2-butene
Concen: 25.829 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

Tgt Ion: 75 Resp: 84663
Ion Ratio Lower Upper
75 100
53 0.0 43.3 129.9#
89 0.0 21.1 63.1#

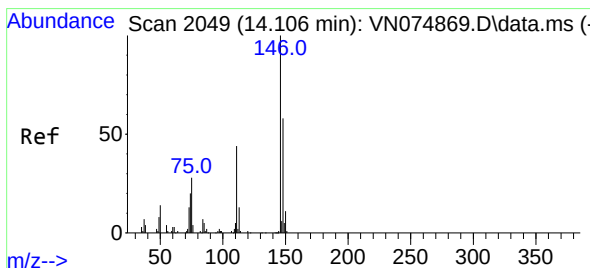
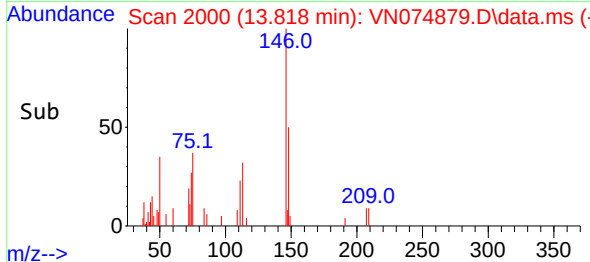
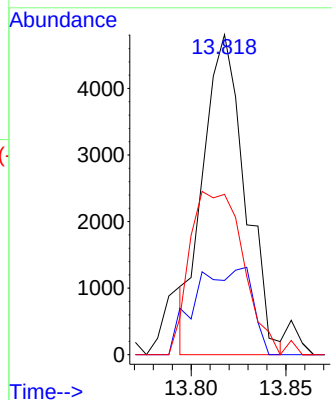
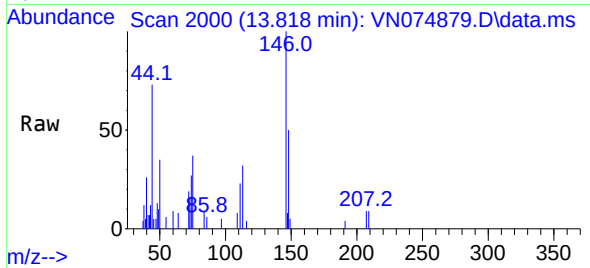




#84
1,4-Dichlorobenzene
Concen: 0.752 ug/l
RT: 13.818 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

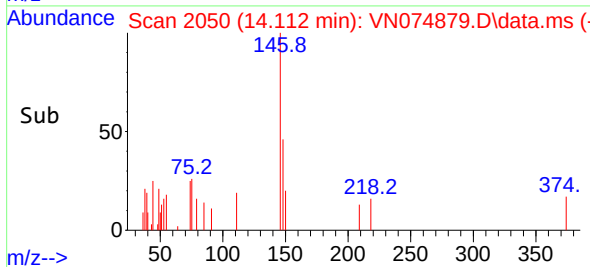
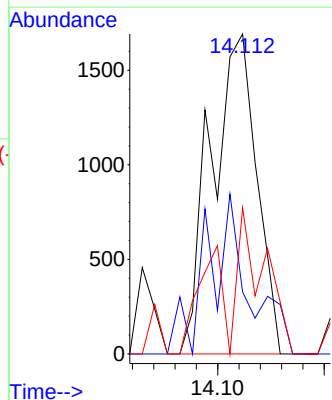
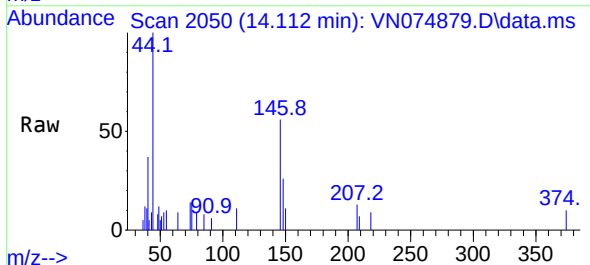
Instrument :
MSVOA_N
ClientSampleId :
IBLK

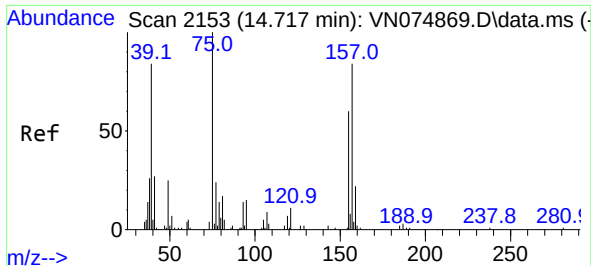
Tgt Ion:146 Resp: 7419
Ion Ratio Lower Upper
146 100
111 14.6 19.1 57.5#
148 0.0 31.7 95.1#



#87
1,2-Dichlorobenzene
Concen: 0.247 ug/l
RT: 14.112 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

Tgt Ion:146 Resp: 2515
Ion Ratio Lower Upper
146 100
111 33.1 21.4 64.2
148 15.1 30.6 92.0#

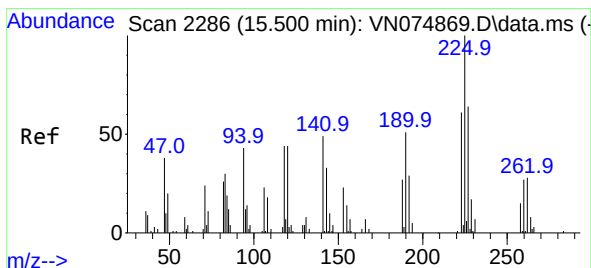
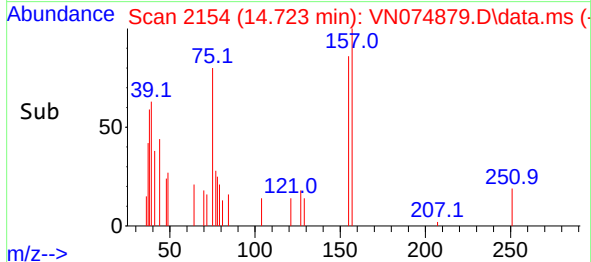
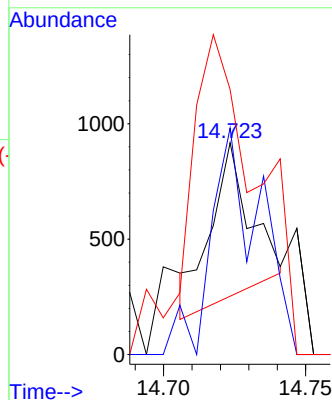
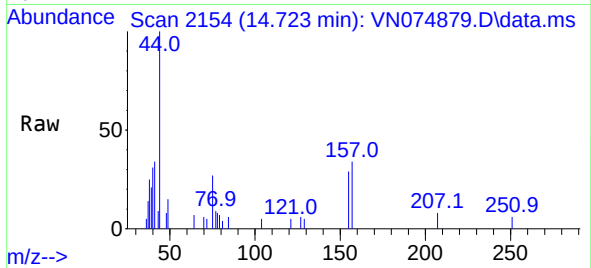




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.340 ug/l
RT: 14.723 min Scan# 2153
Delta R.T. 0.006 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 644
Ion Ratio Lower Upper
75 100
155 110.1 66.3 99.5#
157 251.4 84.3 126.5#



#90
Hexachlorobutadiene
Concen: 1.392 ug/l
RT: 15.512 min Scan# 2288
Delta R.T. 0.012 min
Lab File: VN074879.D
Acq: 12 Oct 2022 16:45

Tgt Ion: 225 Resp: 3160
Ion Ratio Lower Upper
225 100
223 36.3 0.0 125.0
227 25.1 0.0 123.0

