

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080823\
 Data File : VN078809.D
 Acq On : 08 Aug 2023 19:52
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 09 04:42:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 04:37:34 2023
 Response via : Initial Calibration

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

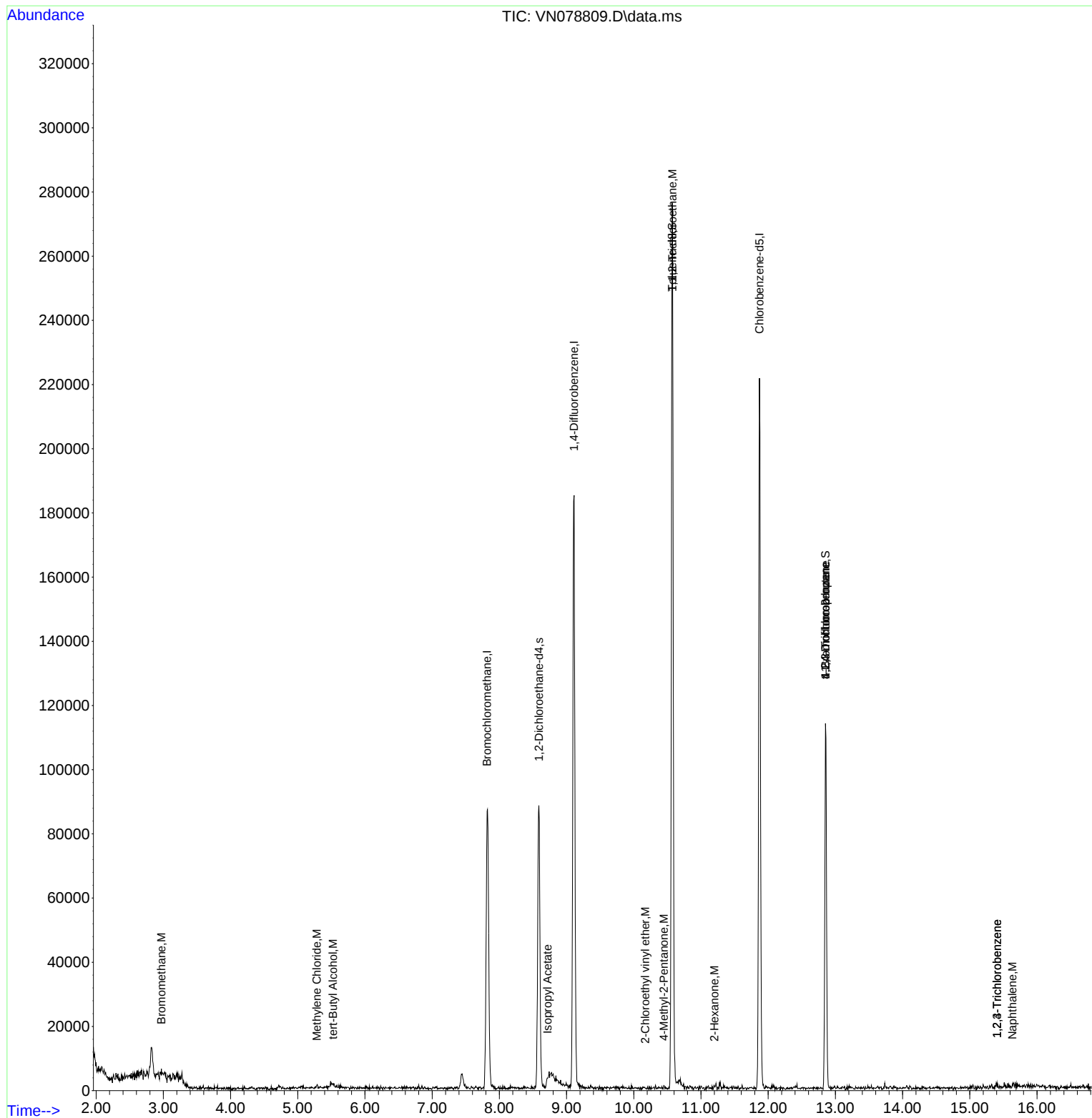
Internal Standards						
1) Bromochloromethane	7.818	128	28793	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	157449	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	123985	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	70517	31.887	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.300%
60) 4-Bromofluorobenzene	12.853	95	38457	20.471	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	68.233%
63) Toluene-d8	10.571	98	187476	30.201	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.667%
Target Compounds						
						Qvalue
5) Bromomethane	2.971	94	760	0.347	ug/l #	37
18) Methylene Chloride	5.283	84	432	0.217	ug/l #	45
23) tert-Butyl Alcohol	5.524	59	217	0.669	ug/l #	100
44) Isopropyl Acetate	8.718	43	1905	0.531	ug/l #	27
50) 1,1,2-Trichloroethane	10.577	97	6775	3.688	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.171	63	240	0.289	ug/l #	43
58) 4-Methyl-2-Pentanone	10.447	43	445	0.221	ug/l #	81
59) 2-Hexanone	11.200	43	738	0.496	ug/l #	31
72) 1,2,3-Trichloropropane	12.853	75	21891	11.178	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	21891	31.314	ug/l #	15
89) 1,2,4-Trichlorobenzene	15.406	180	217	0.259	ug/l #	82
91) Naphthalene	15.635	128	1192	0.471	ug/l #	69
92) 1,2,3-Trichlorobenzene	15.406	180	217	0.228	ug/l #	82

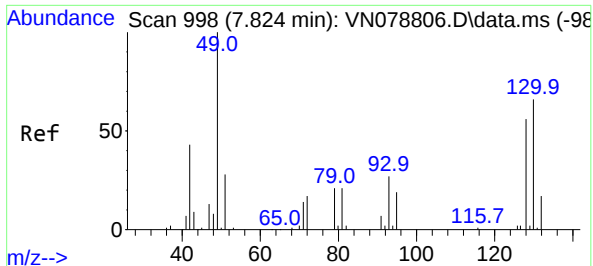
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080823\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 09 04:37:34 2023
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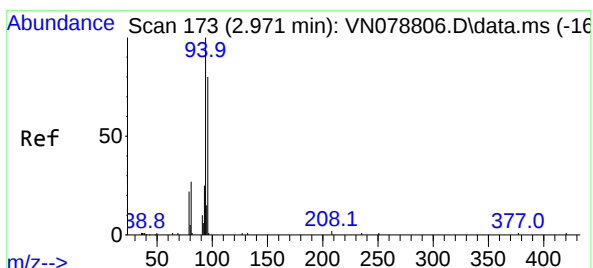
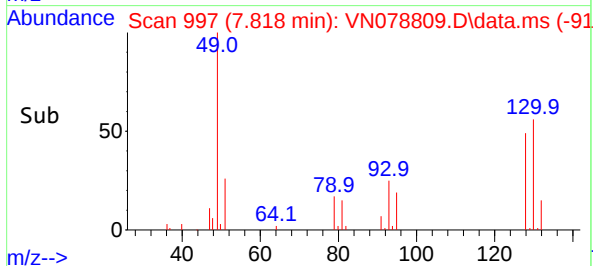
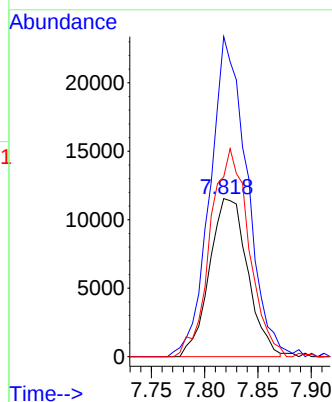
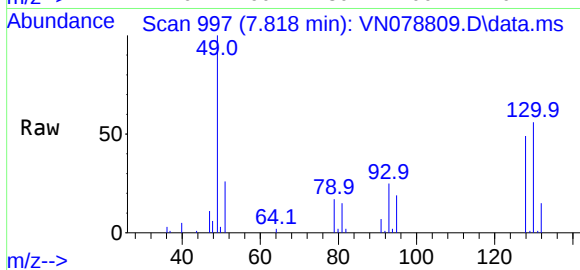




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

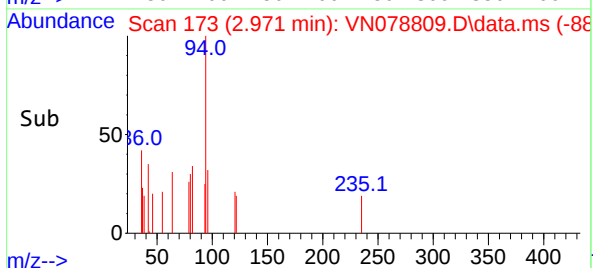
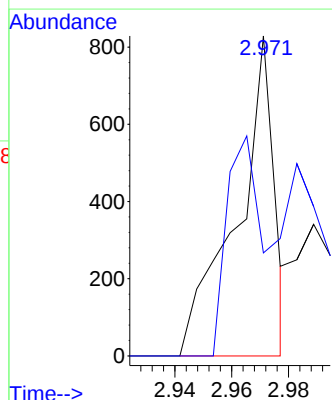
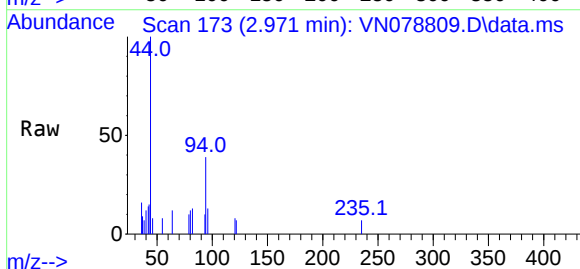
Instrument :
MSVOA_N
ClientSampleId :
IBLK

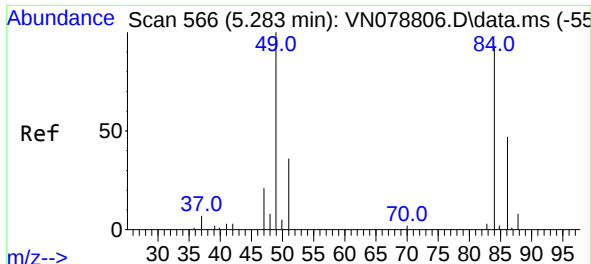
Tgt Ion:128 Resp: 28793
Ion Ratio Lower Upper
128 100
49 196.0 0.0 370.8
130 132.3 0.0 307.0



#5
Bromomethane
Concen: 0.347 ug/l
RT: 2.971 min Scan# 173
Delta R.T. -0.000 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

Tgt Ion: 94 Resp: 760
Ion Ratio Lower Upper
94 100
96 32.2 73.9 110.9#

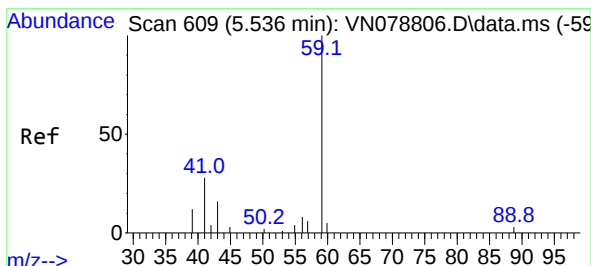
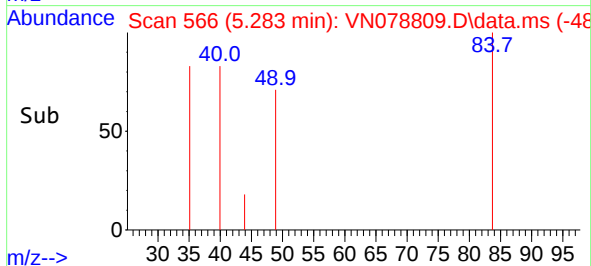
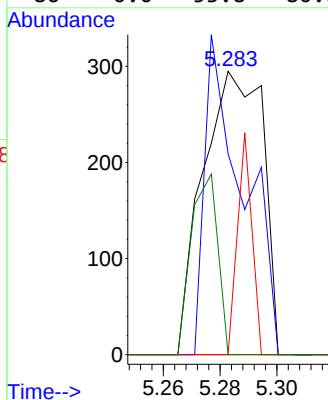
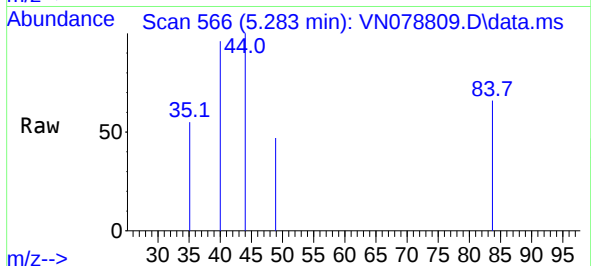




#18
Methylene Chloride
Concen: 0.217 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

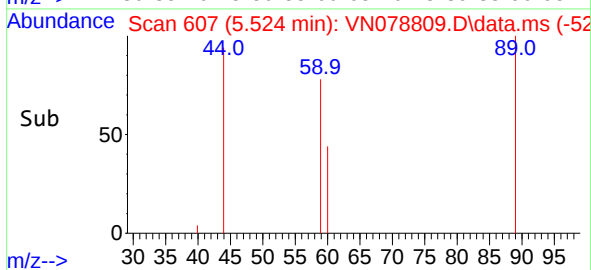
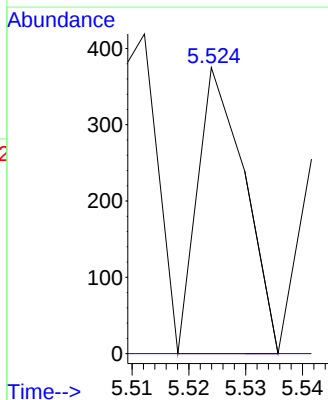
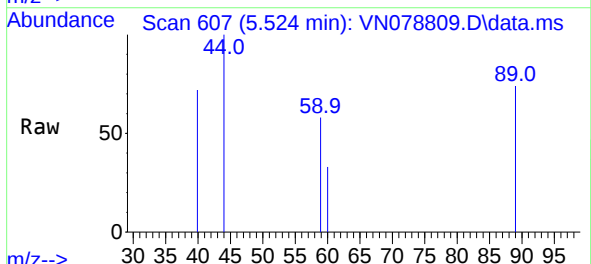
Instrument :
MSVOA_N
ClientSampleId :
IBLK

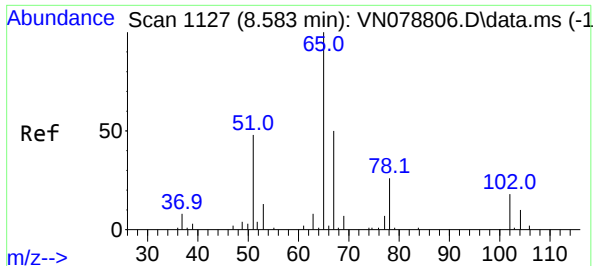
Tgt Ion: 84	Resp:	432	
Ion	Ratio	Lower	Upper
84	100		
49	70.8	88.1	132.1#
51	0.0	24.0	36.0#
86	0.0	53.8	80.8#



#23
tert-Butyl Alcohol
Concen: 0.669 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

Tgt Ion: 59	Resp:	217	
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

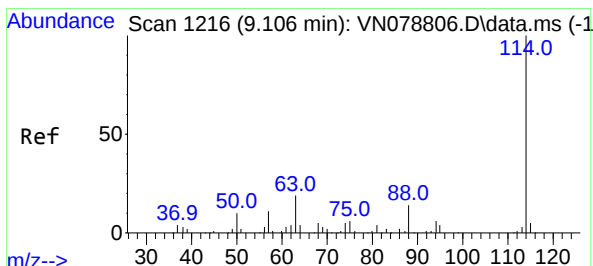
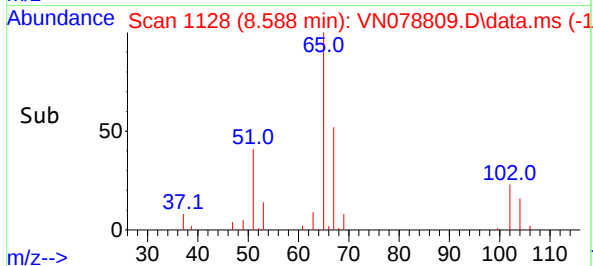
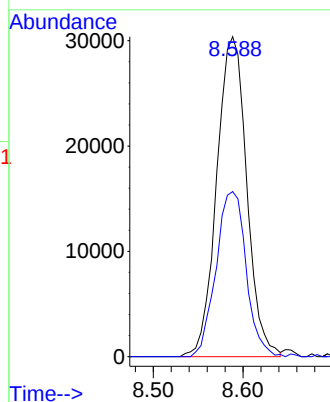
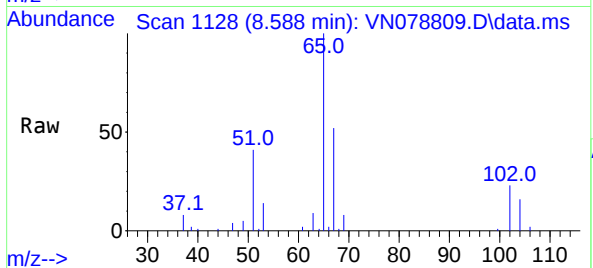




#27
1,2-Dichloroethane-d4
Concen: 31.887 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

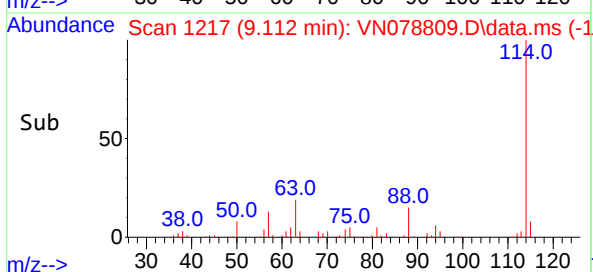
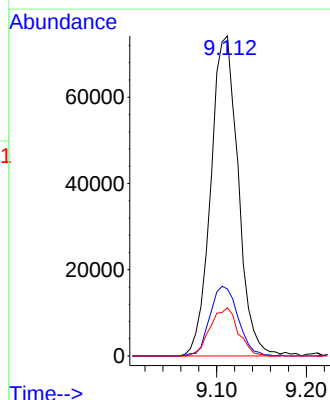
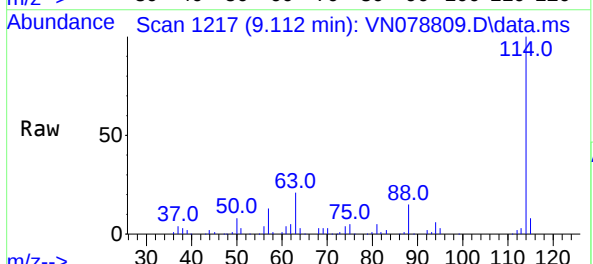
Instrument :
MSVOA_N
ClientSampleId :
IBLK

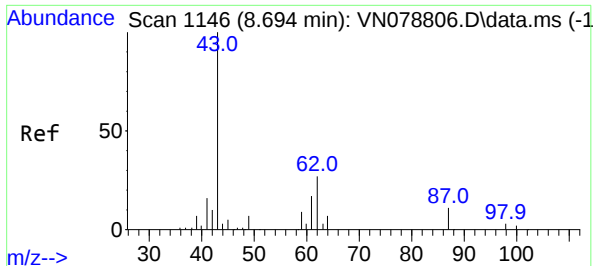
Tgt Ion: 65 Resp: 70517
Ion Ratio Lower Upper
65 100
67 51.7 42.9 64.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

Tgt Ion: 114 Resp: 157449
Ion Ratio Lower Upper
114 100
63 22.4 15.2 22.8
88 15.4 12.5 18.7

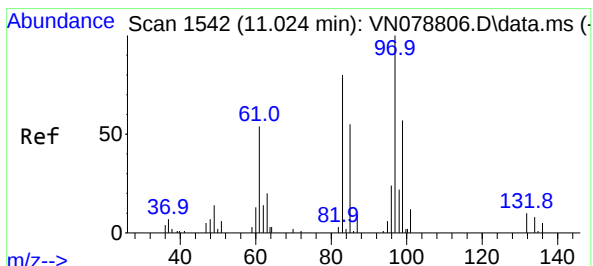
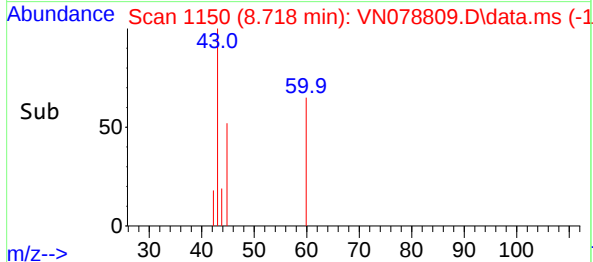
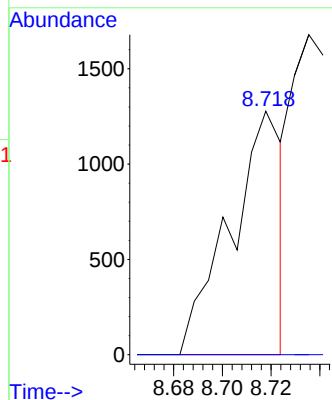
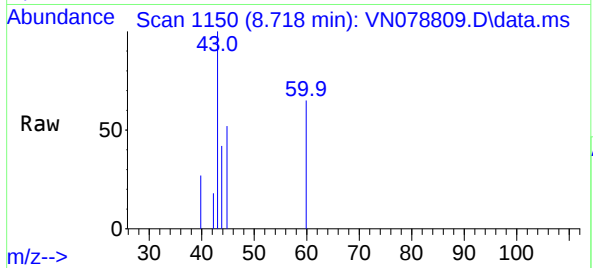




#44
Isopropyl Acetate
Concen: 0.531 ug/l
RT: 8.718 min Scan# 1146
Delta R.T. 0.023 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

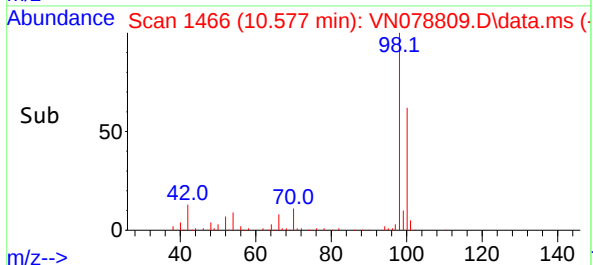
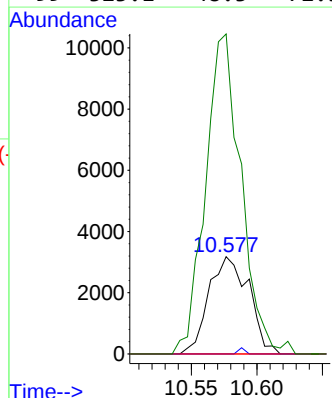
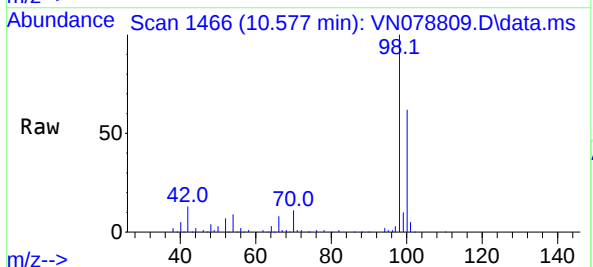
Instrument :
MSVOA_N
ClientSampleId :
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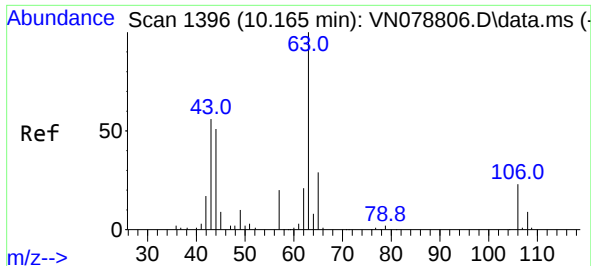
Tgt Ion: 43 Resp: 1905
Ion Ratio Lower Upper
43 100
61 67.6 23.0 34.6#



#50
1,1,2-Trichloroethane
Concen: 3.688 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.447 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

Tgt Ion: 97 Resp: 6775
Ion Ratio Lower Upper
97 100
83 0.0 66.8 100.2#
85 0.0 42.5 63.7#
99 323.1 48.3 72.5#

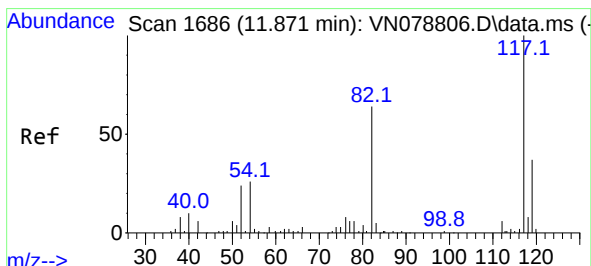
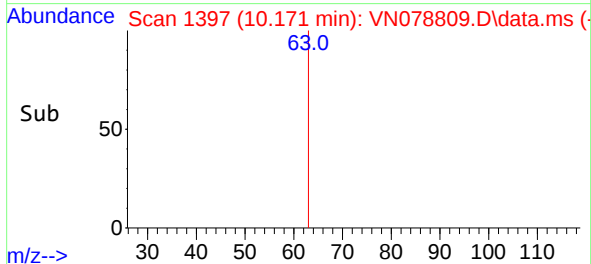
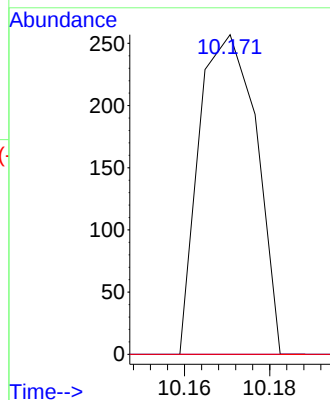
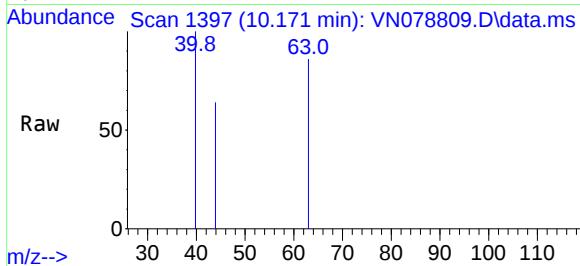




#55
2-Chloroethyl vinyl ether
Concen: 0.289 ug/l
RT: 10.171 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

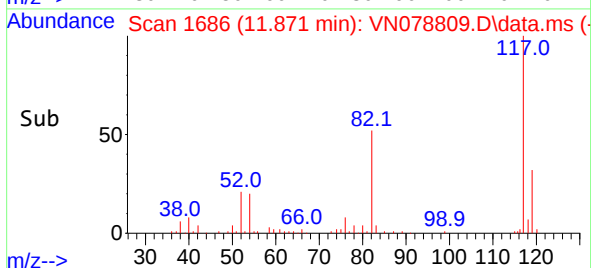
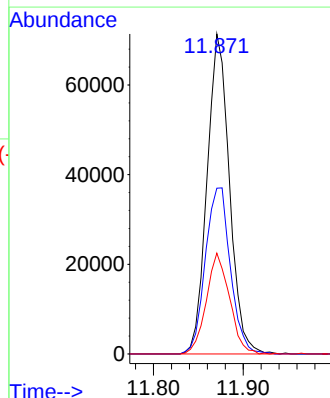
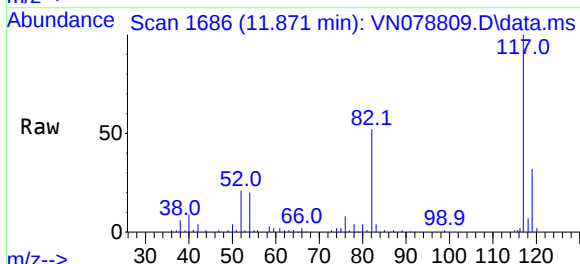
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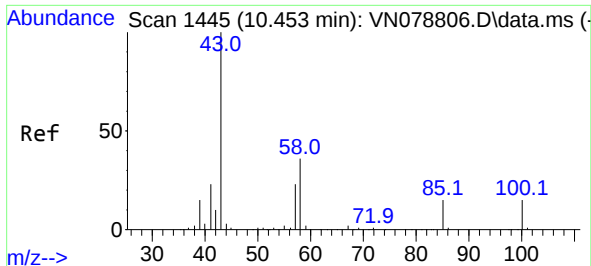
Tgt Ion:	63	Resp:	240
Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.3	39.5#
106	0.0	23.8	35.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

Tgt Ion:	117	Resp:	123985
Ion	Ratio	Lower	Upper
117	100		
82	58.0	43.9	65.9
119	32.5	26.2	39.4

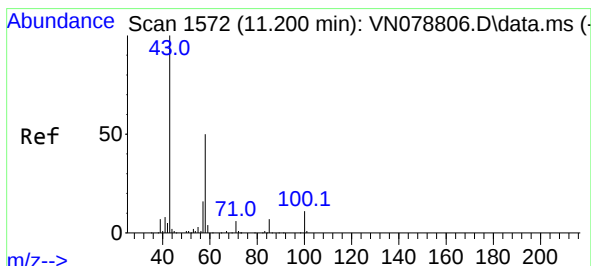
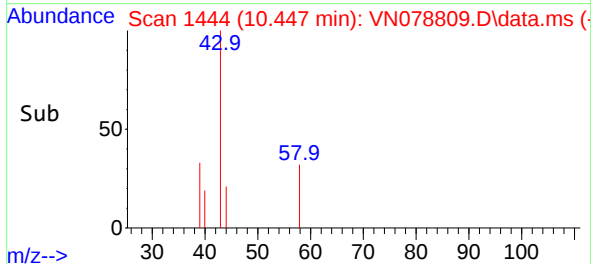
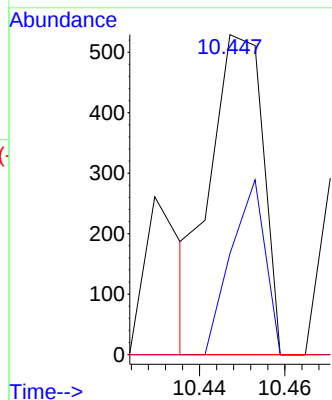
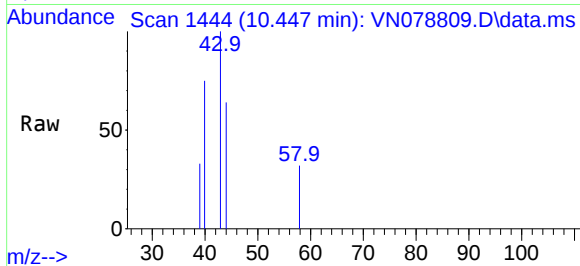




#58
4-Methyl-2-Pentanone
Concen: 0.221 ug/l
RT: 10.447 min Scan# 1445
Delta R.T. -0.006 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

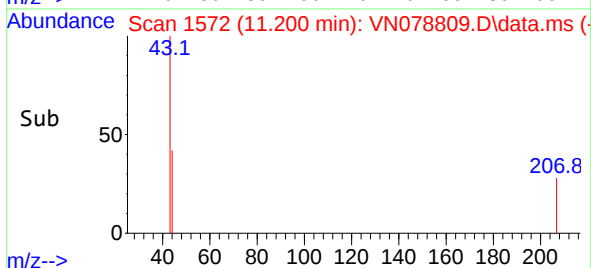
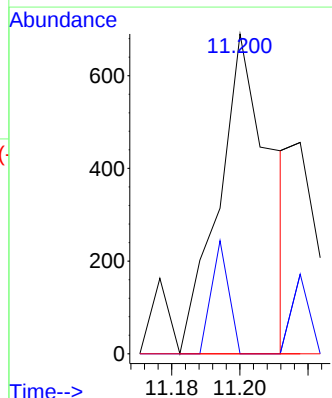
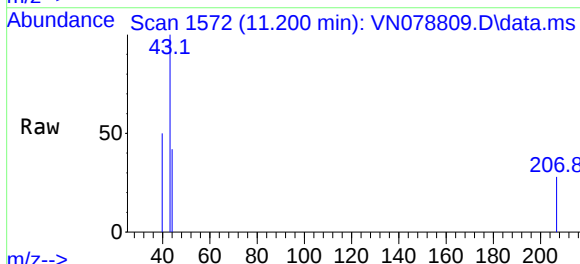
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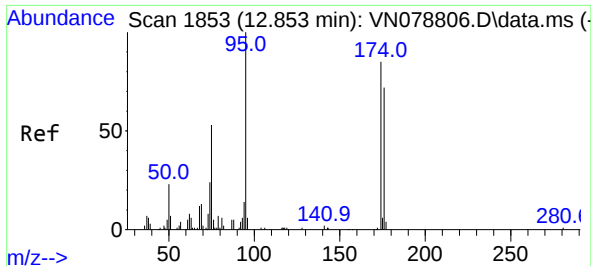
Tgt Ion: 43 Resp: 445
Ion Ratio Lower Upper
43 100
58 36.2 32.6 48.8
85 0.0 16.2 24.2#



#59
2-Hexanone
Concen: 0.496 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

Tgt Ion: 43 Resp: 738
Ion Ratio Lower Upper
43 100
58 0.0 45.9 68.9#
57 0.0 15.8 23.6#

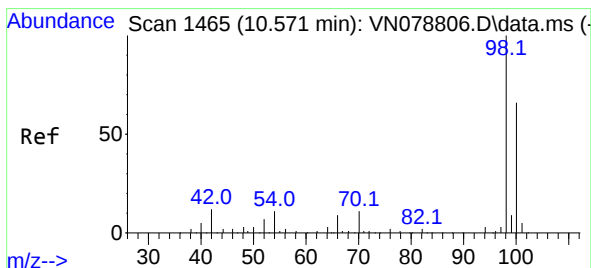
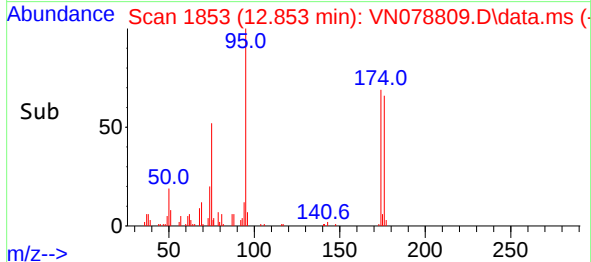
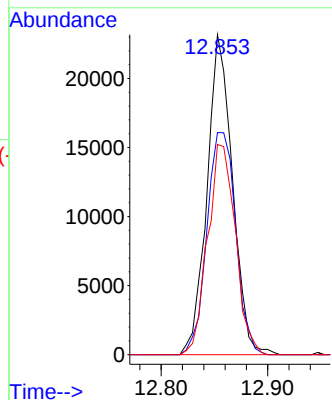
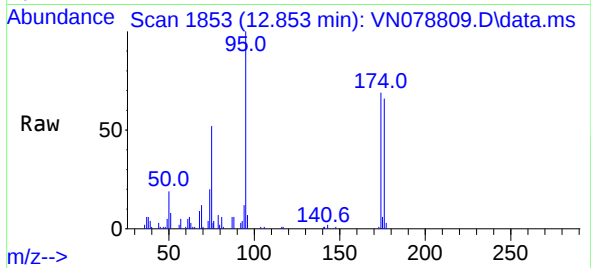




#60
4-Bromofluorobenzene
Concen: 20.471 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

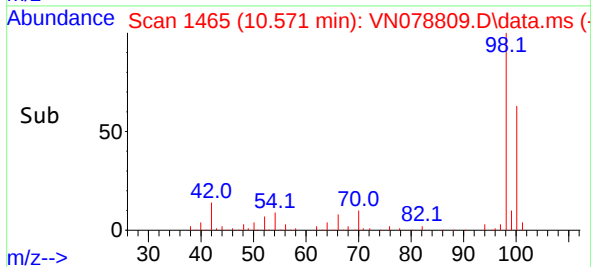
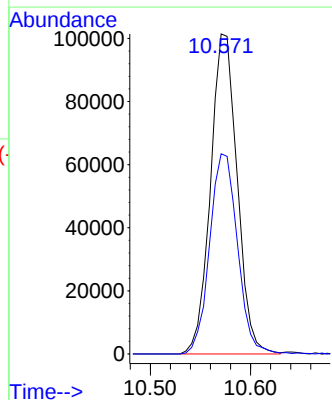
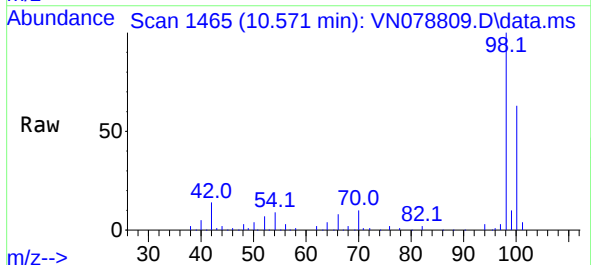
Instrument :
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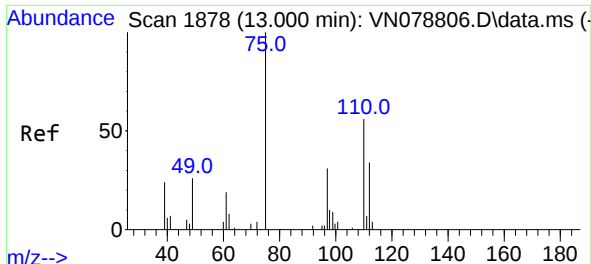
Tgt Ion: 95 Resp: 38457
Ion Ratio Lower Upper
95 100
174 78.5 61.7 92.5
176 71.6 58.1 87.1



#63
Toluene-d8
Concen: 30.201 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

Tgt Ion: 98 Resp: 187476
Ion Ratio Lower Upper
98 100
100 65.3 49.7 74.5

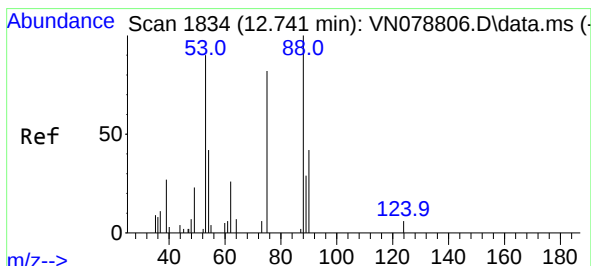
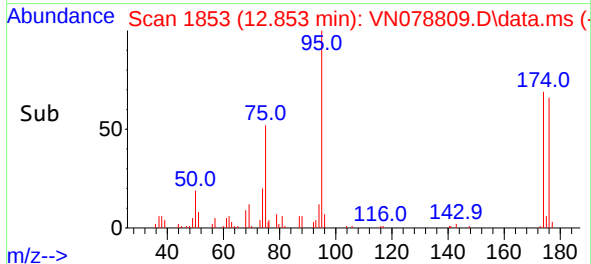
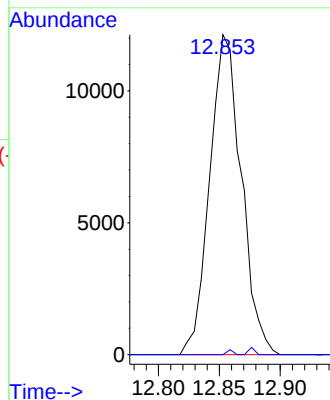
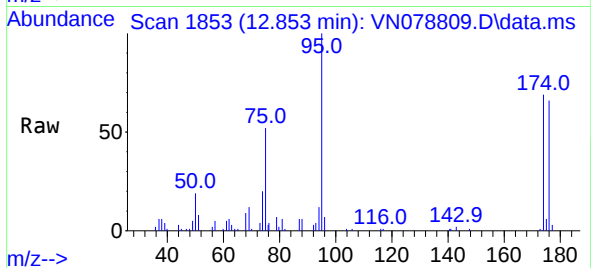




#72
1,2,3-Trichloropropane
Concen: 11.178 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

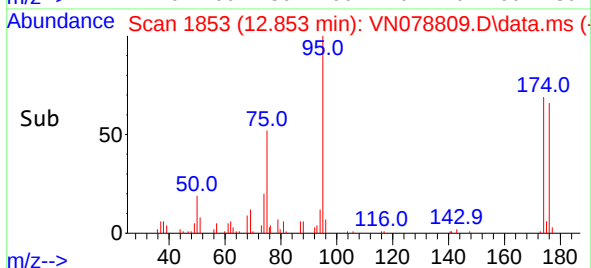
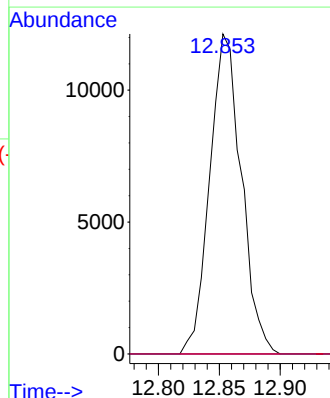
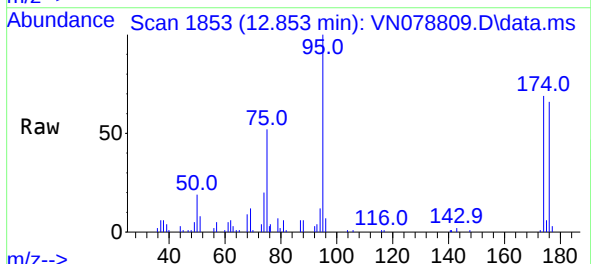
Instrument :
MSVOA_N
ClientSampleId :
IBLK

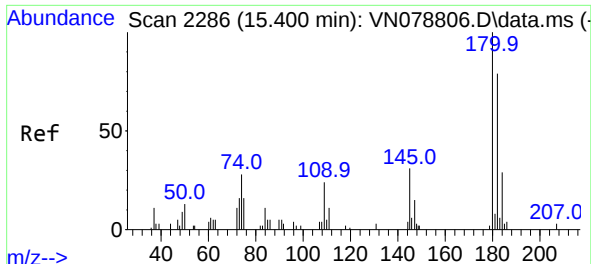
Tgt Ion: 75 Resp: 21891
Ion Ratio Lower Upper
75 100
77 0.3 0.0 387.4



#77
t-1,4-Dichloro-2-butene
Concen: 31.314 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

Tgt Ion: 75 Resp: 21891
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.9#
89 0.0 25.1 75.4#

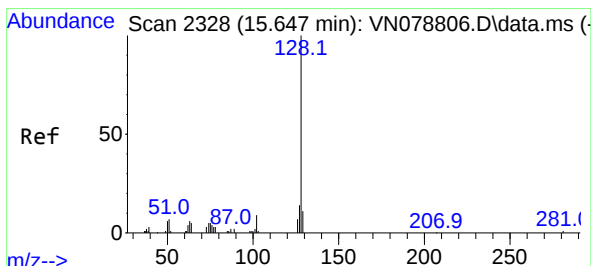
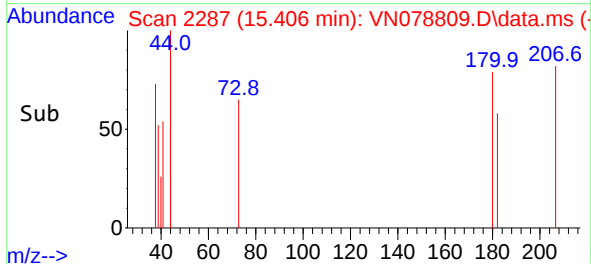
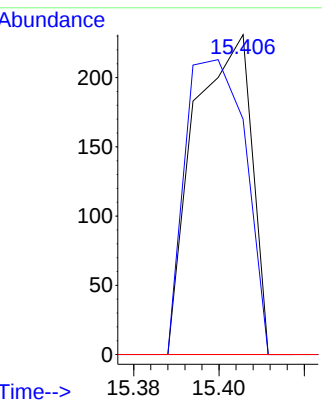
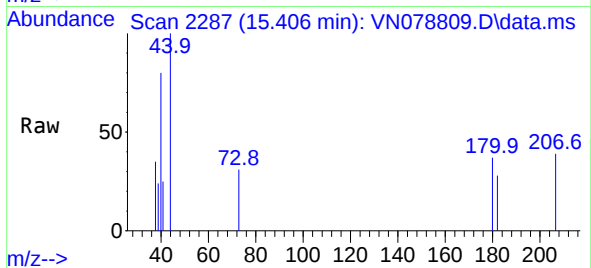




#89
1,2,4-Trichlorobenzene
Concen: 0.259 ug/l
RT: 15.406 min Scan# 217
Delta R.T. 0.006 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

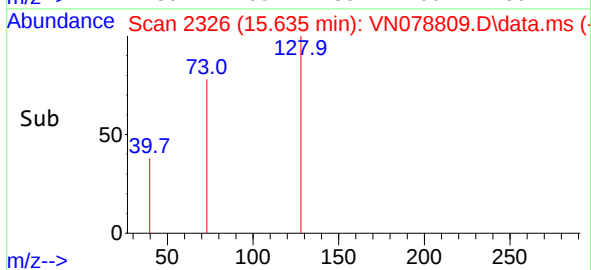
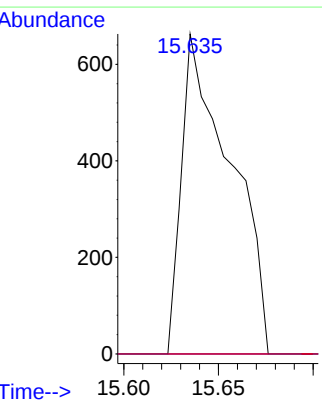
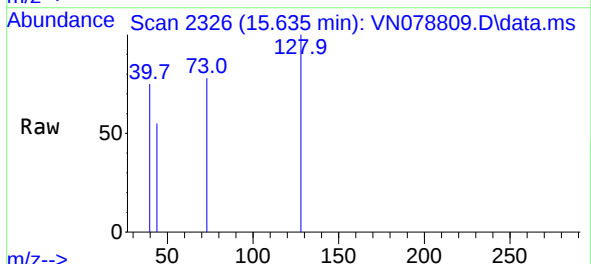
Instrument :
MSVOA_N
ClientSampleId :
IBLK

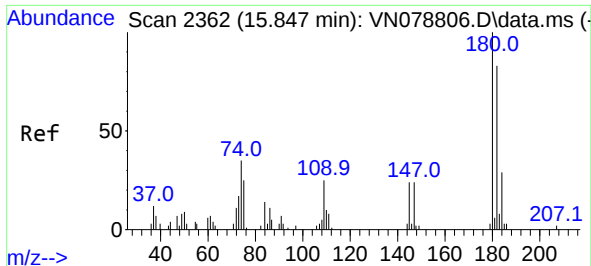
Tgt Ion:180 Resp: 217
Ion Ratio Lower Upper
180 100
182 96.3 73.7 110.5
145 0.0 25.0 37.6#



#91
Naphthalene
Concen: 0.471 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.012 min
Lab File: VN078809.D
Acq: 08 Aug 2023 19:52

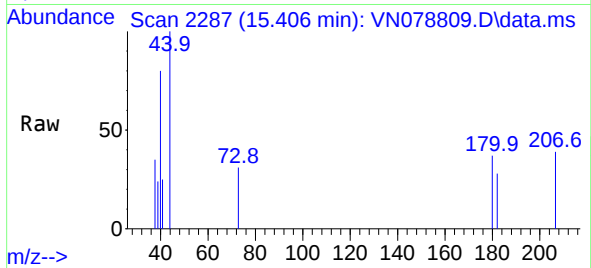
Tgt Ion:128 Resp: 1192
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 9.0 13.4#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.228 ug/l
 RT: 15.406 min Scan# 21
 Delta R.T. -0.441 min
 Lab File: VN078809.D
 Acq: 08 Aug 2023 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:180	Resp:	217
Ion	Ratio	Lower Upper
180	100	
182	96.3	0.0 196.4
145	0.0	0.0 71.0

