

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078856.D
 Acq On : 11 Aug 2023 10:57
 Operator : JC\MD
 Sample : VN0811WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBL01

Quant Time: Aug 12 01:39:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 05:05:47 2023
 Response via : Initial Calibration

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

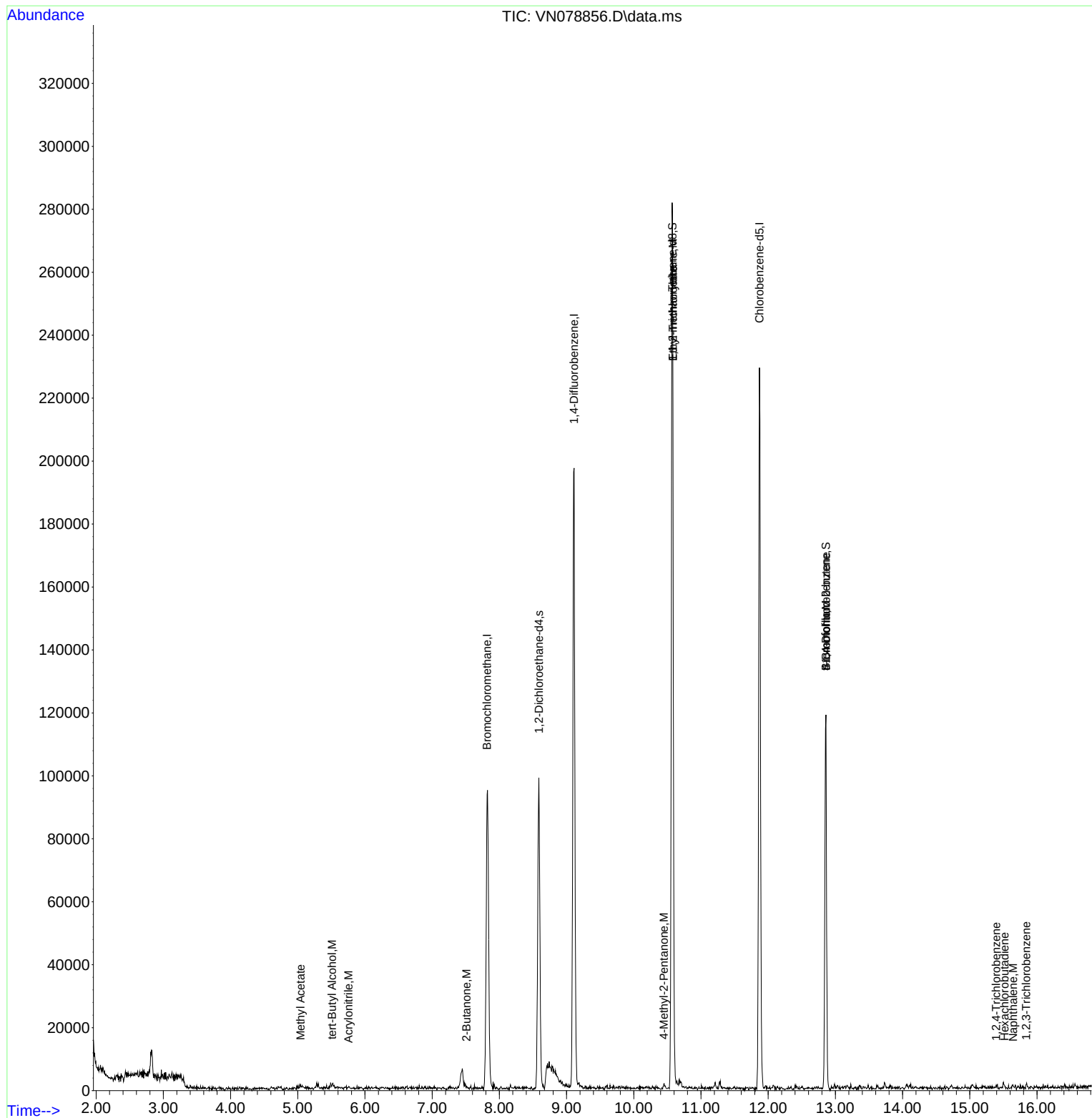
Internal Standards						
1) Bromochloromethane	7.818	128	31802	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	160874	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	129639	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	76668	29.945	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.800%
60) 4-Bromofluorobenzene	12.859	95	38696	21.265	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	70.867%
63) Toluene-d8	10.576	98	190091	29.923	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.733%
Target Compounds						
					Qvalue	
12) Methyl Acetate	5.041	43	941	0.244	ug/l #	49
14) Acrylonitrile	5.753	53	206	0.203	ug/l	76
23) tert-Butyl Alcohol	5.512	59	911	2.417	ug/l #	100
30) 2-Butanone	7.512	43	363	0.283	ug/l #	88
50) 1,1,2-Trichloroethane	10.582	97	7444	3.910	ug/l #	1
51) Ethyl methacrylate	10.582	69	621	0.233	ug/l #	66
56) Bromoform	12.859	173	357	0.287	ug/l #	1
58) 4-Methyl-2-Pentanone	10.447	43	915	0.367	ug/l #	42
77) t-1,4-Dichloro-2-butene	12.859	75	21707	32.718	ug/l #	15
89) 1,2,4-Trichlorobenzene	15.394	180	413	0.575	ug/l #	47
90) Hexachlorobutadiene	15.517	225	228	0.431	ug/l #	45
91) Naphthalene	15.647	128	591	0.263	ug/l #	69
92) 1,2,3-Trichlorobenzene	15.841	180	539	0.639	ug/l #	74

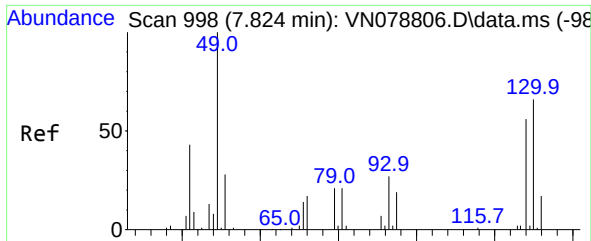
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
Data File : VN078856.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBL01

Quant Time: Aug 12 01:39:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 09 05:05:47 2023
Response via : Initial Calibration

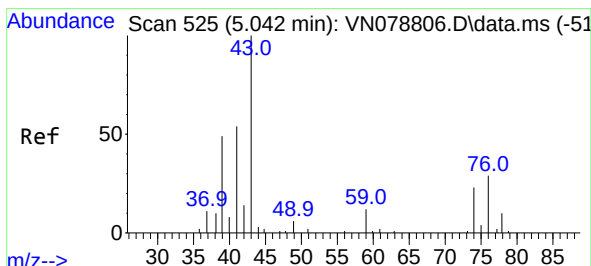
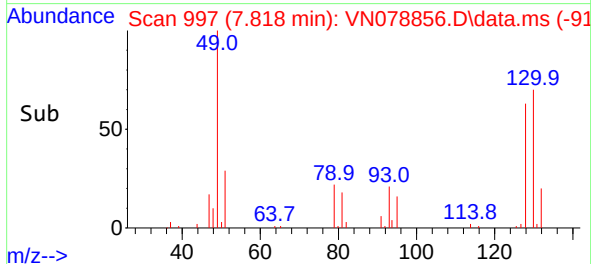
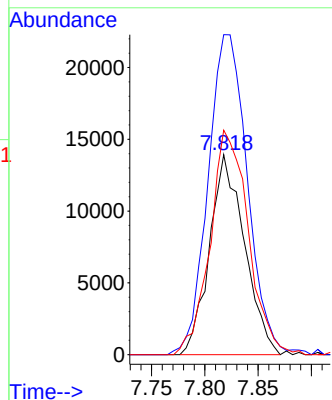
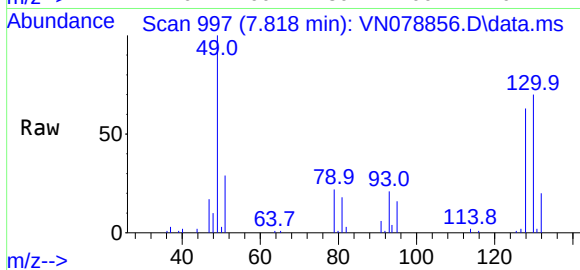




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

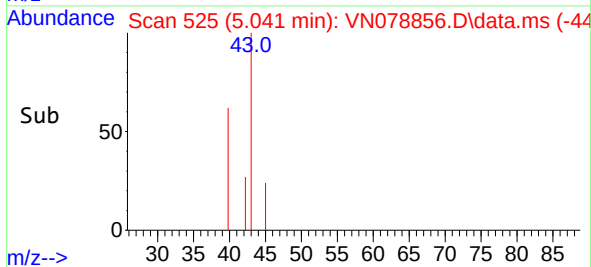
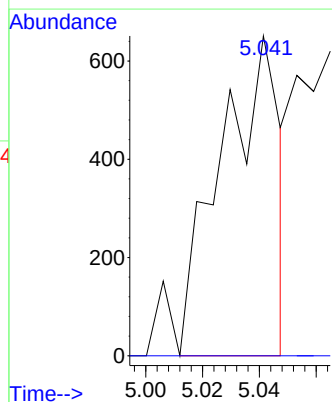
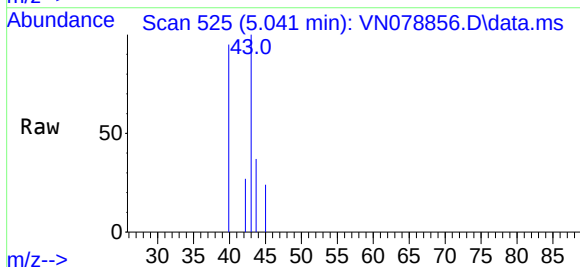
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBL01

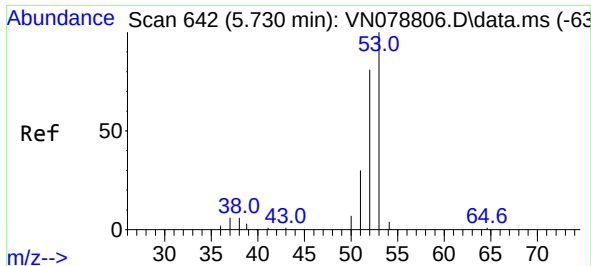
Tgt Ion:128 Resp: 31802
Ion Ratio Lower Upper
128 100
49 179.3 0.0 370.8
130 122.6 0.0 307.0



#12
Methyl Acetate
Concen: 0.244 ug/l
RT: 5.041 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

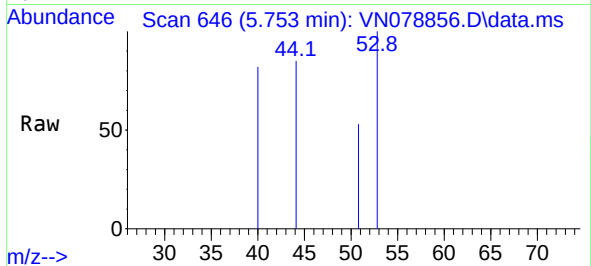
Tgt Ion: 43 Resp: 941
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#





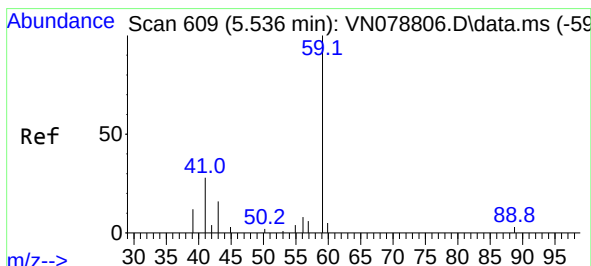
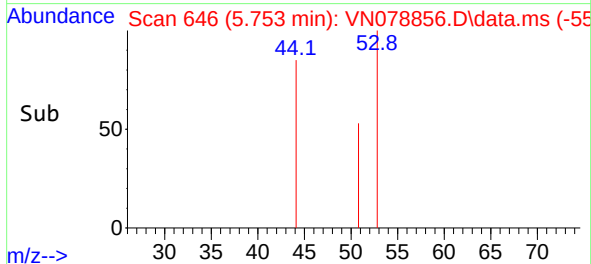
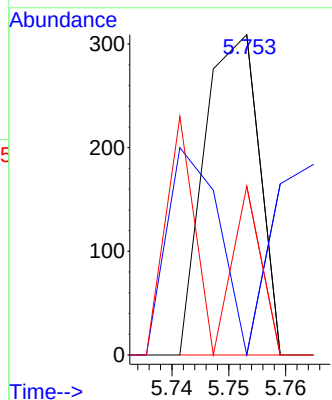
#14
Acrylonitrile
Concen: 0.203 ug/l
RT: 5.753 min Scan# 64
Delta R.T. 0.023 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBL01



Tgt Ion: 53 Resp: 206

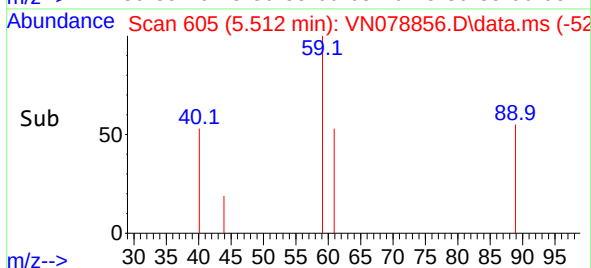
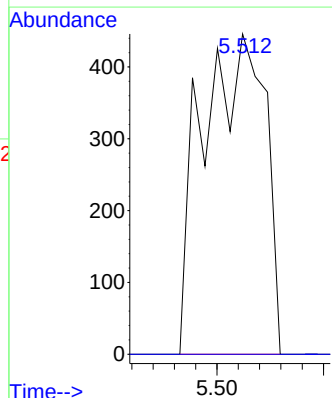
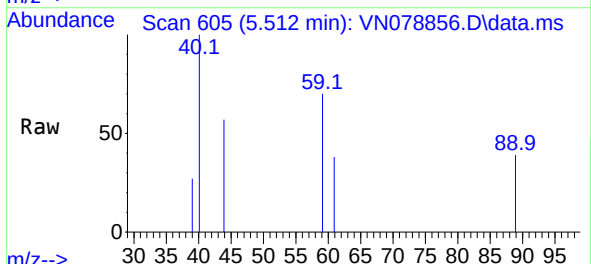
Ion	Ratio	Lower	Upper
53	100		
52	59.7	42.3	126.9
51	27.7	18.4	55.4

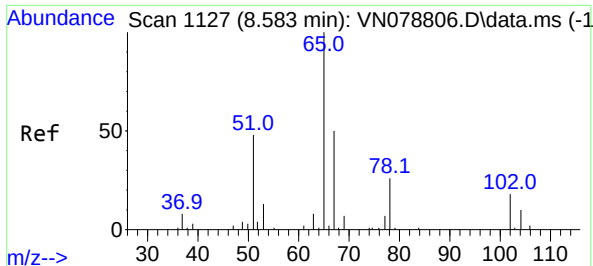


#23
tert-Butyl Alcohol
Concen: 2.417 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.024 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

Tgt Ion: 59 Resp: 911

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

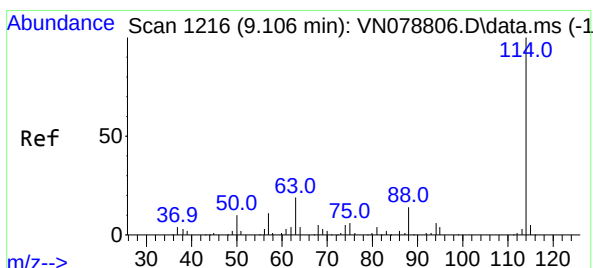
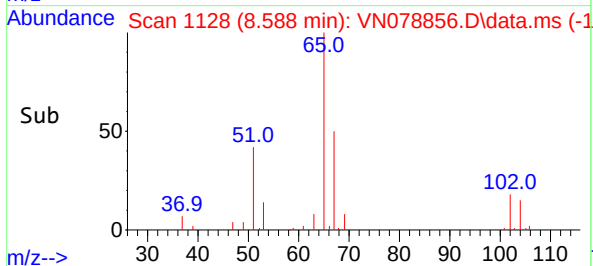
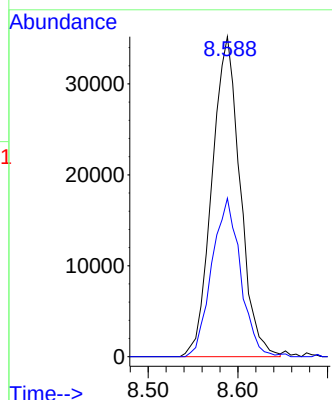
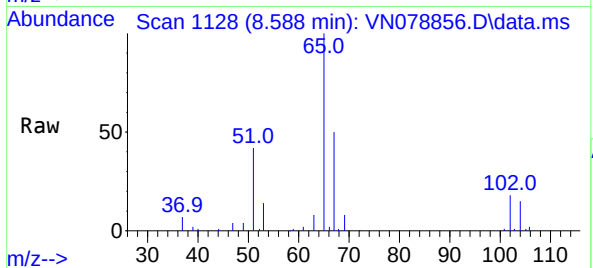




#27
1,2-Dichloroethane-d4
Concen: 29.945 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

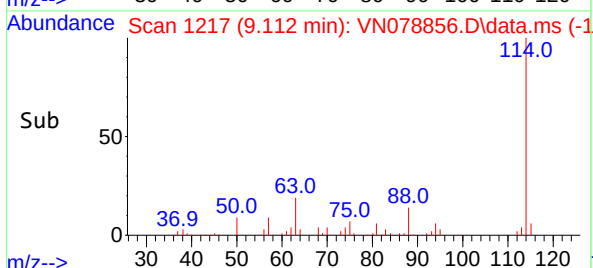
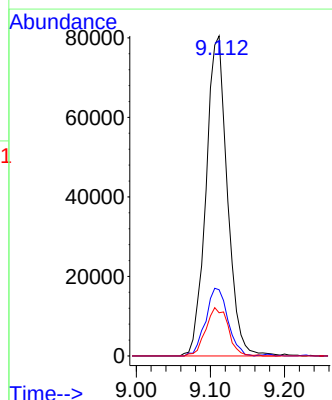
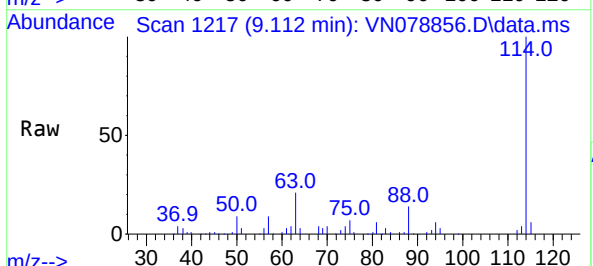
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBL01

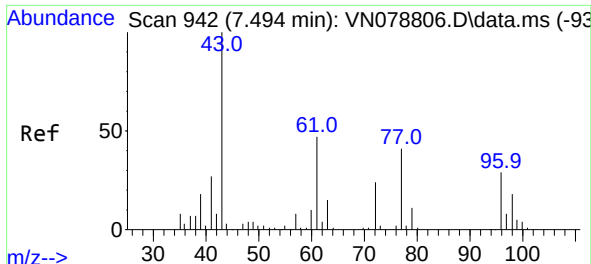
Tgt Ion: 65 Resp: 76668
Ion Ratio Lower Upper
65 100
67 50.3 42.9 64.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

Tgt Ion: 114 Resp: 160874
Ion Ratio Lower Upper
114 100
63 22.2 15.2 22.8
88 15.9 12.5 18.7

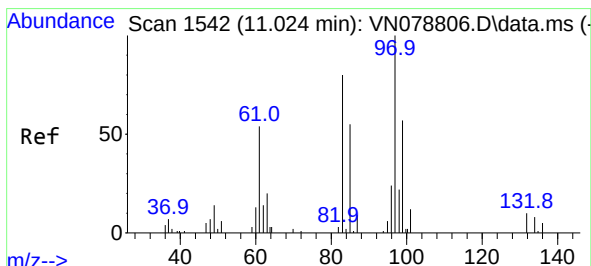
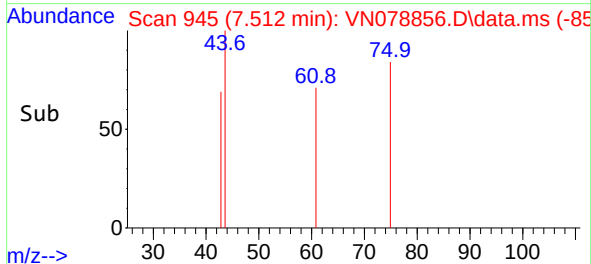
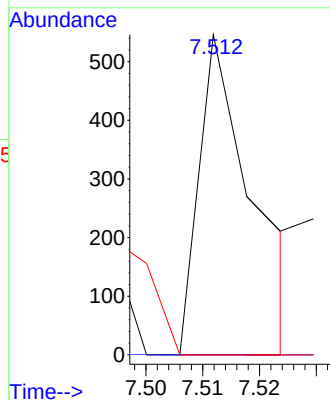
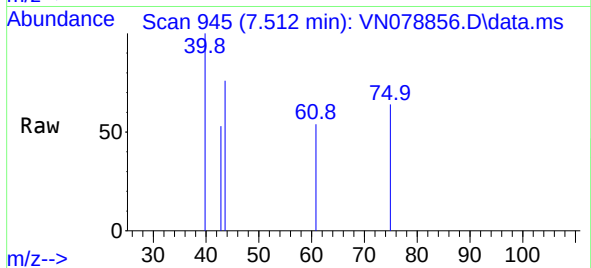




#30
2-Butanone
Concen: 0.283 ug/l
RT: 7.512 min Scan# 94
Delta R.T. 0.017 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

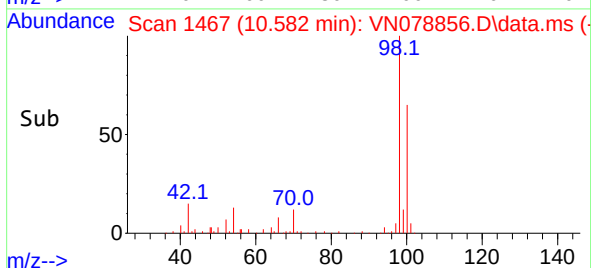
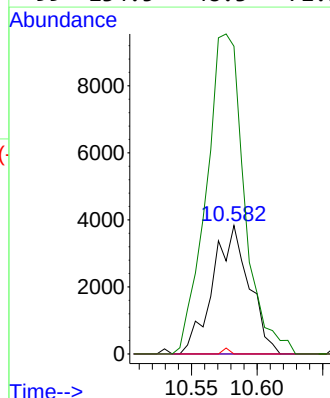
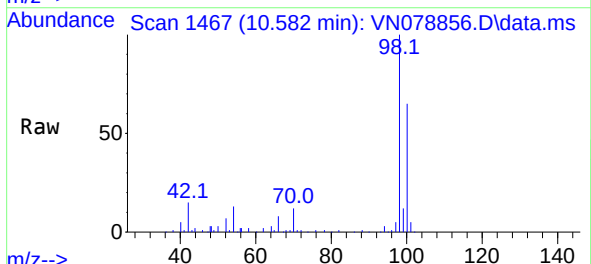
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBL01

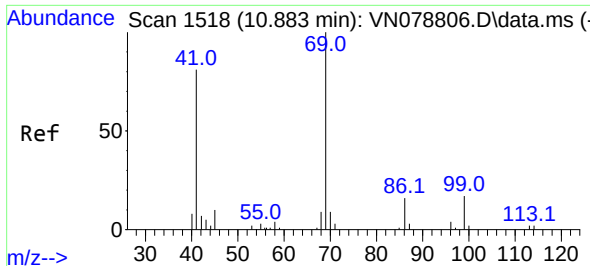
Tgt Ion: 43 Resp: 363
Ion Ratio Lower Upper
43 100
57 0.0 6.8 10.2#
72 34.4 23.8 35.6



#50
1,1,2-Trichloroethane
Concen: 3.910 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.441 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

Tgt Ion: 97 Resp: 7444
Ion Ratio Lower Upper
97 100
83 0.0 66.8 100.2#
85 0.0 42.5 63.7#
99 234.5 48.3 72.5#

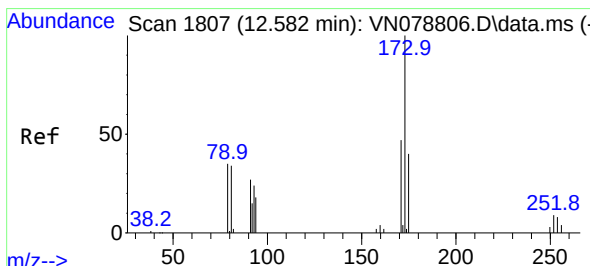
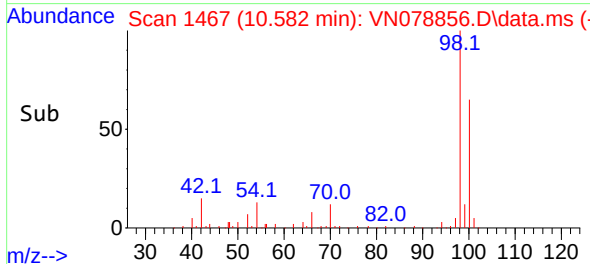
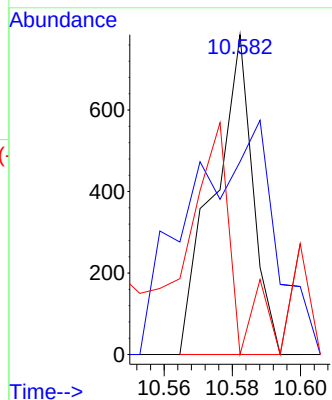
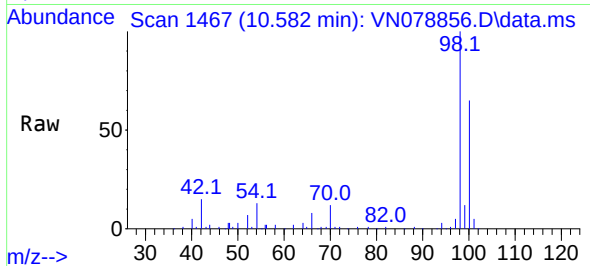




#51
Ethyl methacrylate
Concen: 0.233 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.300 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

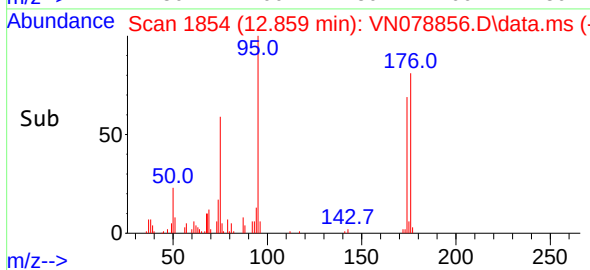
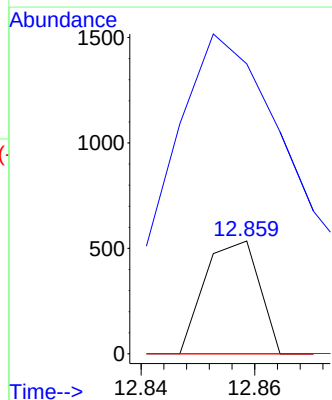
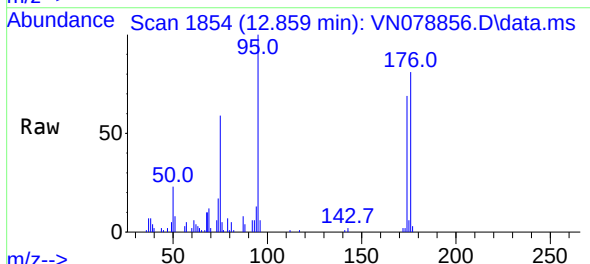
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBL01

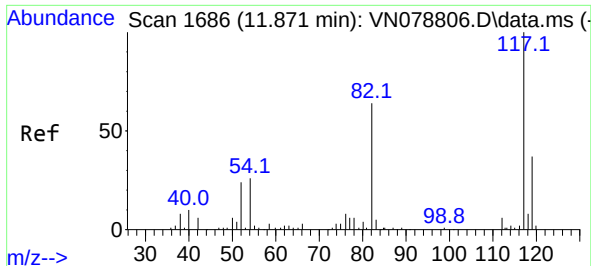
Tgt Ion: 69 Resp: 621
Ion Ratio Lower Upper
69 100
41 38.3 26.0 78.0
39 0.0 16.3 48.9#



#56
Bromoform
Concen: 0.287 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.276 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

Tgt Ion:173 Resp: 357
Ion Ratio Lower Upper
173 100
175 724.9 40.7 61.1#
254 0.0 6.5 9.7#

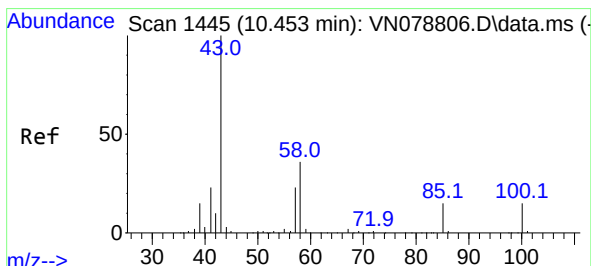
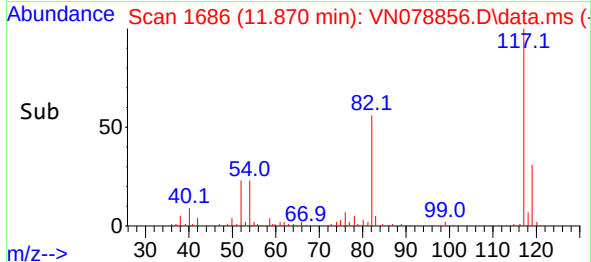
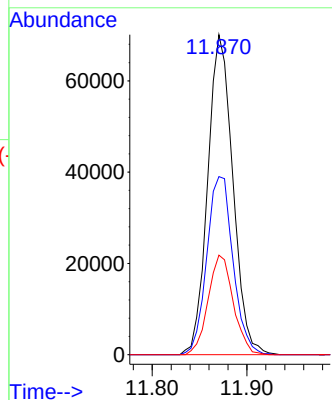
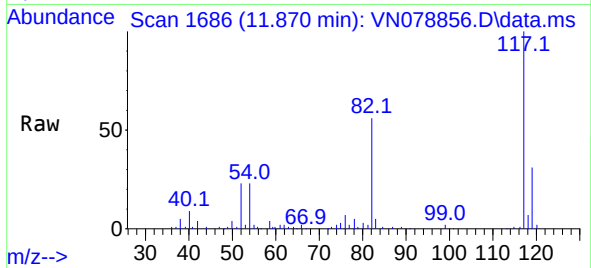




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

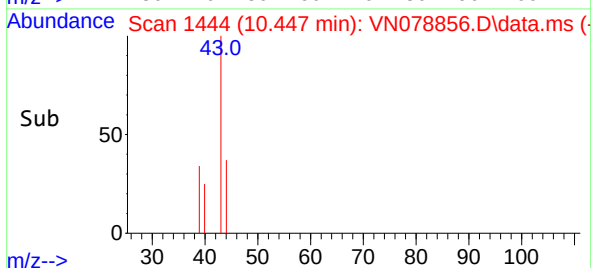
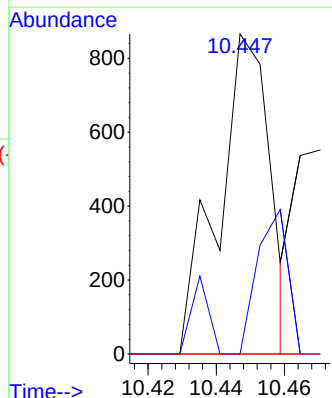
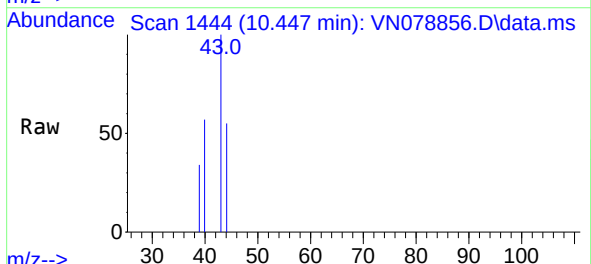
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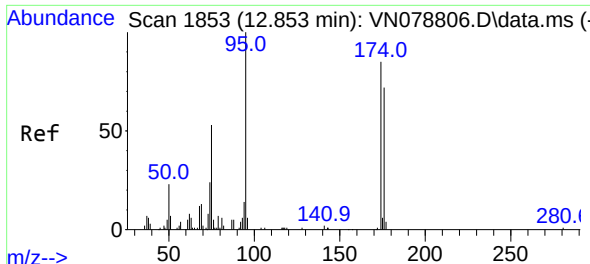
Tgt Ion:117 Resp: 129639
Ion Ratio Lower Upper
117 100
82 58.2 43.9 65.9
119 31.1 26.2 39.4



#58
4-Methyl-2-Pentanone
Concen: 0.367 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
58 0.0 32.6 48.8#
85 0.0 16.2 24.2#

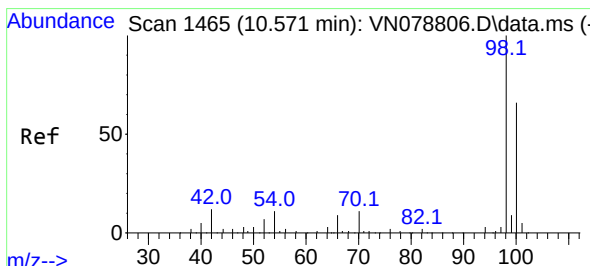
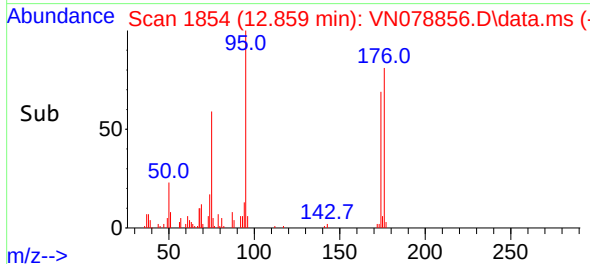
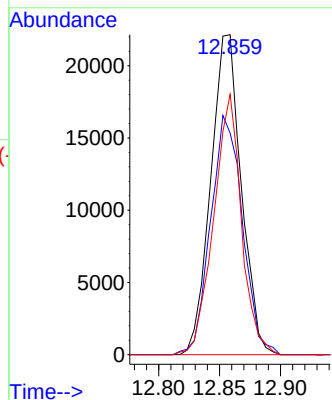
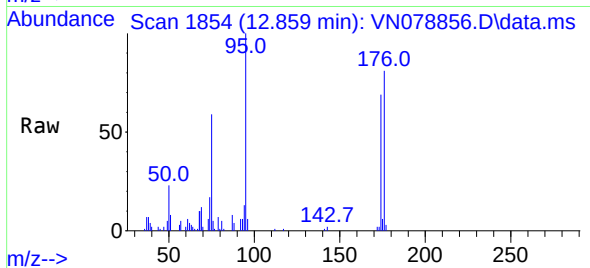




#60
4-Bromofluorobenzene
Concen: 21.265 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

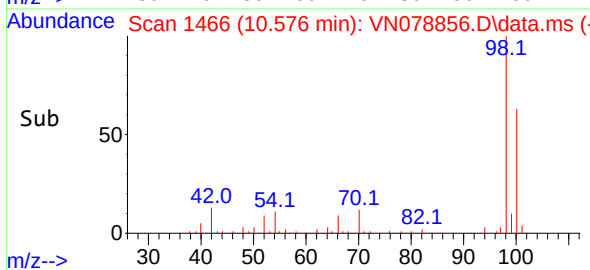
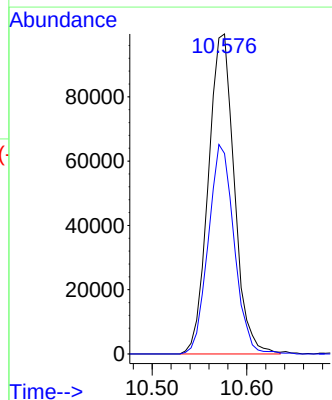
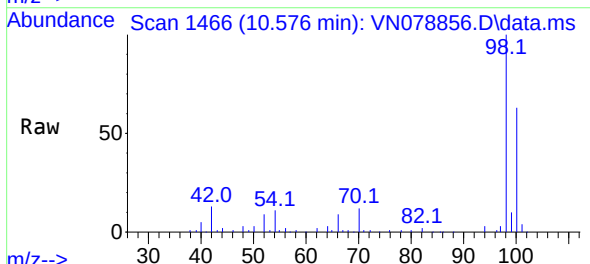
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBL01

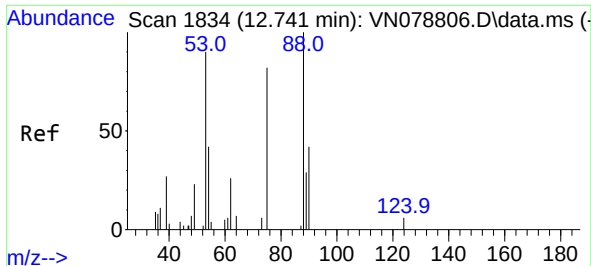
Tgt Ion: 95 Resp: 38696
Ion Ratio Lower Upper
95 100
174 77.8 61.7 92.5
176 73.8 58.1 87.1



#63
Toluene-d8
Concen: 29.923 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

Tgt Ion: 98 Resp: 190091
Ion Ratio Lower Upper
98 100
100 64.8 49.7 74.5

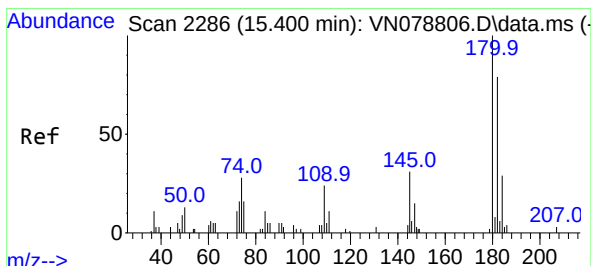
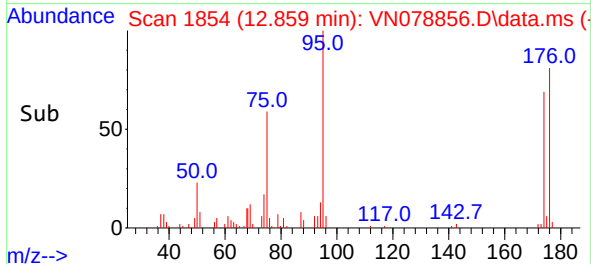
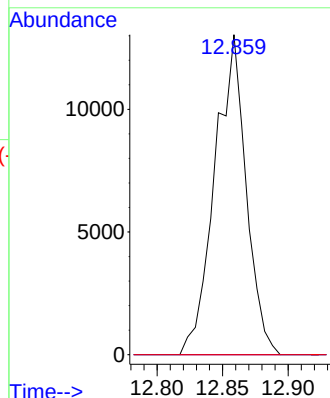
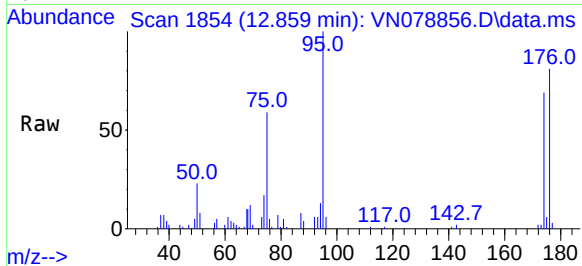




#77
t-1,4-Dichloro-2-butene
Concen: 32.718 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.117 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

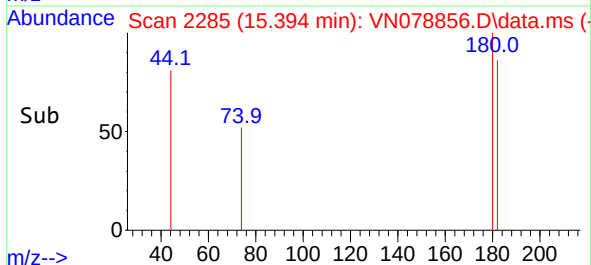
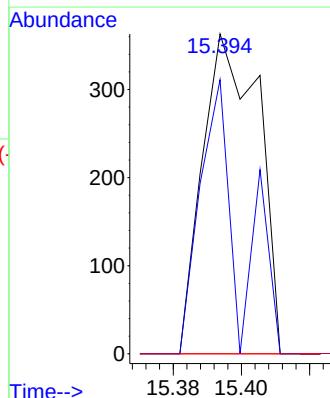
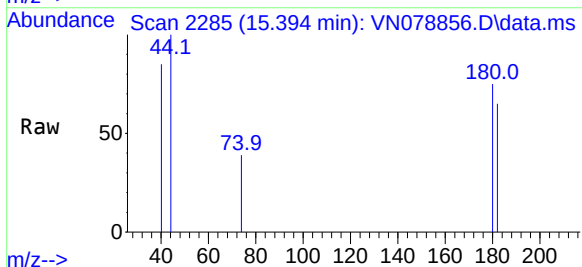
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBL01

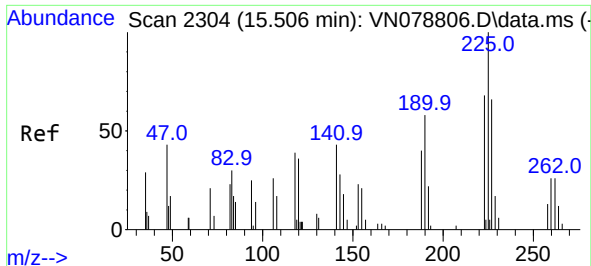
Tgt Ion: 75 Resp: 21707
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.9#
89 0.0 25.1 75.4#



#89
1,2,4-Trichlorobenzene
Concen: 0.575 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.006 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

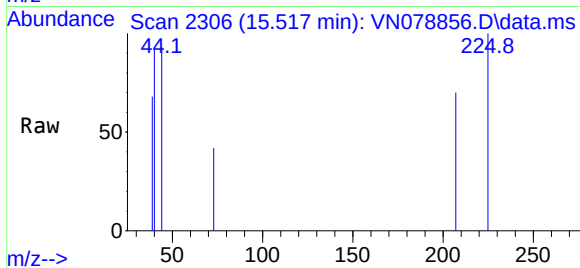
Tgt Ion:180 Resp: 413
Ion Ratio Lower Upper
180 100
182 43.1 73.7 110.5#
145 0.0 25.0 37.6#



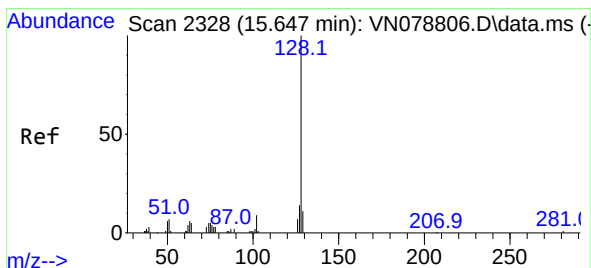
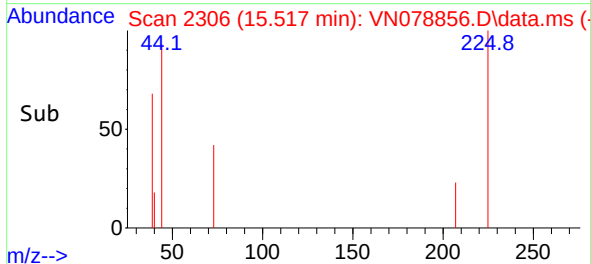
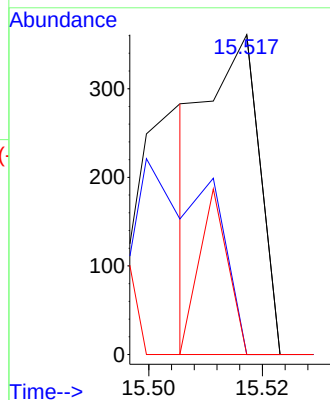


#90
Hexachlorobutadiene
Concen: 0.431 ug/l
RT: 15.517 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBL01

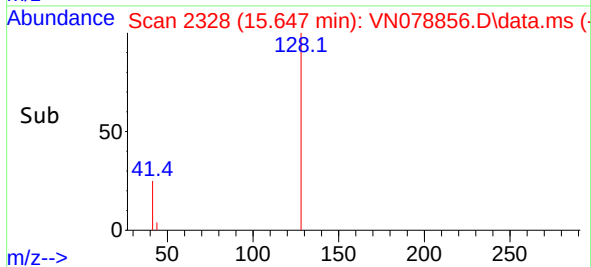
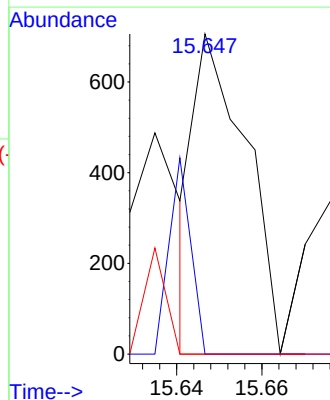
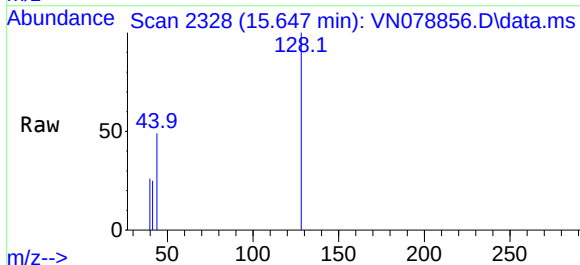


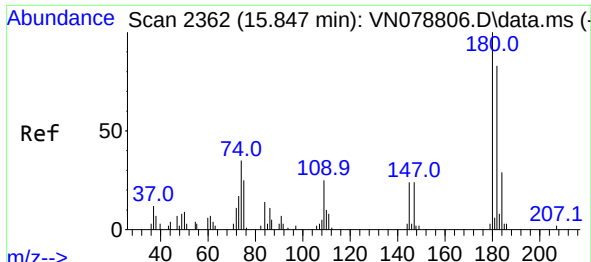
Tgt Ion:225 Resp: 228
Ion Ratio Lower Upper
225 100
223 88.6 0.0 130.0
227 0.0 0.0 124.0



#91
Naphthalene
Concen: 0.263 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

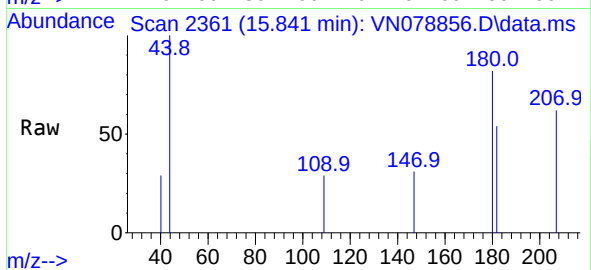
Tgt Ion:128 Resp: 591
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 9.0 13.4#





#92
1,2,3-Trichlorobenzene
Concen: 0.639 ug/l
RT: 15.841 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078856.D
Acq: 11 Aug 2023 10:57

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBL01



Tgt Ion:	180	Resp:	539
Ion	Ratio	Lower	Upper
180	100		
182	84.4	0.0	196.4
145	0.0	0.0	71.0

