

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042823\
 Data File : VN077506.D
 Acq On : 28 Apr 2023 17:53
 Operator : JC\MD
 Sample : VN0428WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBL01

Quant Time: Apr 28 19:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 16:20:59 2023
 Response via : Initial Calibration

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

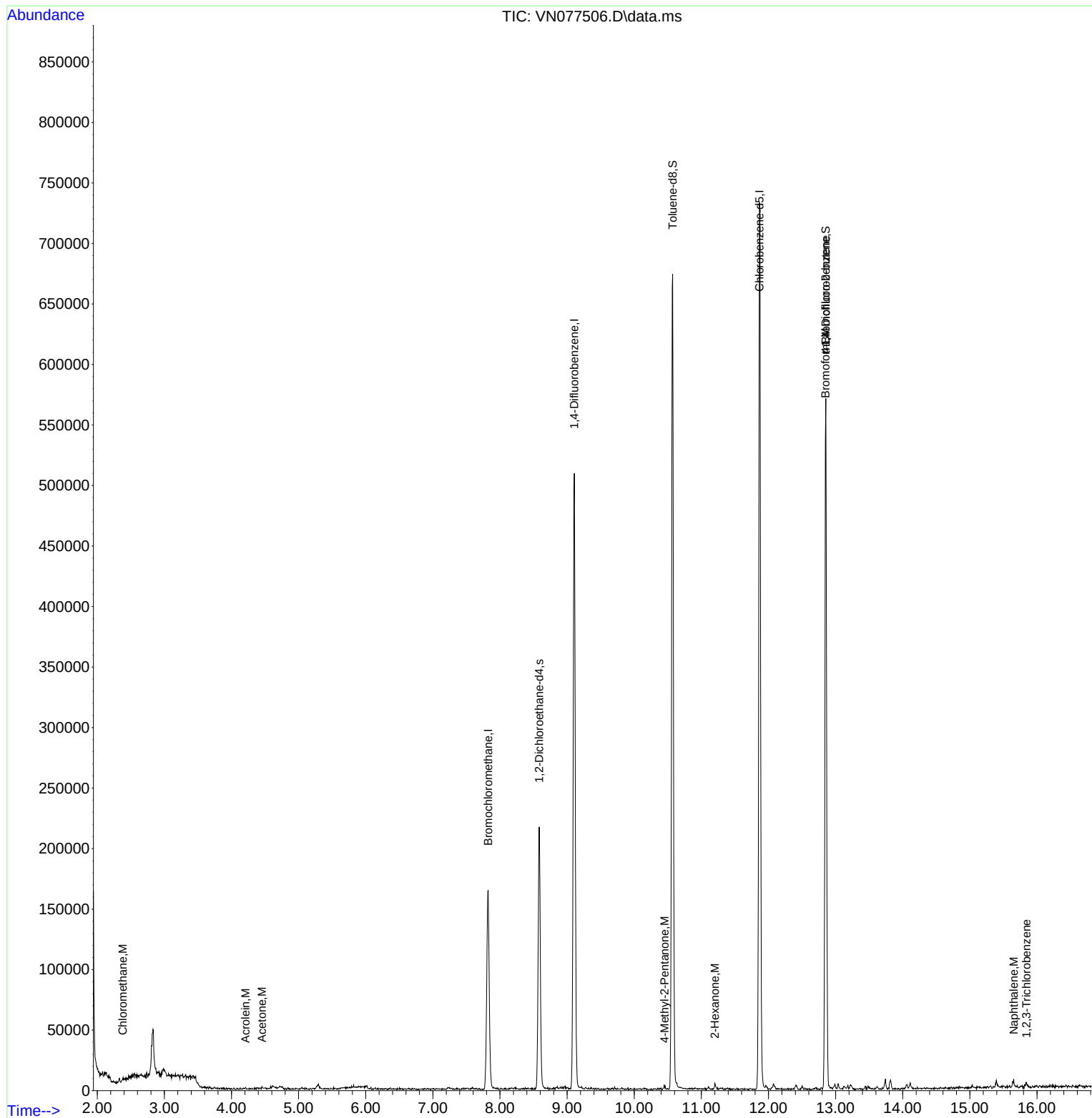
Internal Standards						
1) Bromochloromethane	7.825	128	63517	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	466233	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	456940	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	173013	30.554	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.833%
60) 4-Bromofluorobenzene	12.854	95	213874	26.716	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.067%
63) Toluene-d8	10.572	98	501122	31.123	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.733%
Target Compounds						
					Qvalue	
3) Chloromethane	2.378	50	1244	0.213	ug/l #	73
13) Acrolein	4.207	56	395	0.352	ug/l #	1
15) Acetone	4.454	58	215	0.234	ug/l	96
56) Bromoform	12.848	173	1124	0.223	ug/l #	1
58) 4-Methyl-2-Pentanone	10.454	43	1348	0.205	ug/l #	49
59) 2-Hexanone	11.201	43	2551	0.526	ug/l #	85
77) t-1,4-Dichloro-2-butene	12.854	75	111271	39.463	ug/l #	19
91) Naphthalene	15.654	128	3166	0.262	ug/l #	69
92) 1,2,3-Trichlorobenzene	15.842	180	1353	0.437	ug/l	66

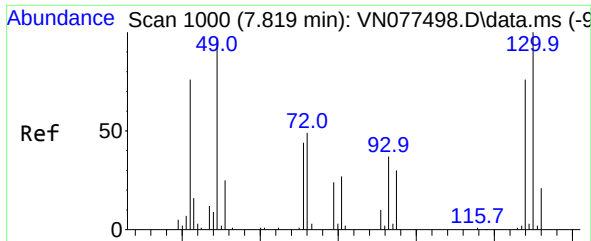
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 28 16:20:59 2023
Response via : Initial Calibration

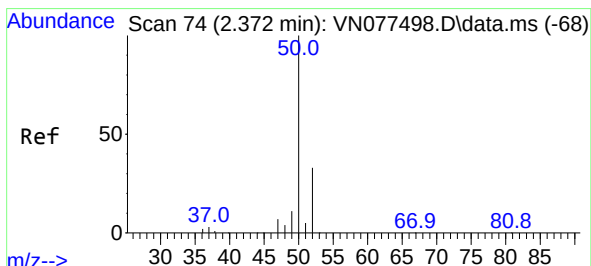
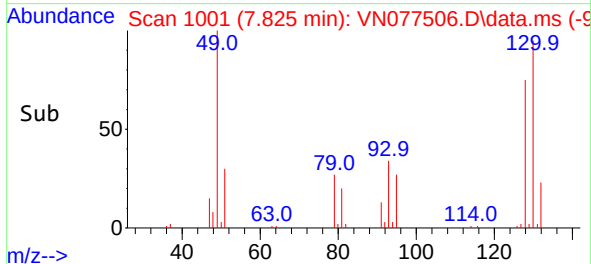
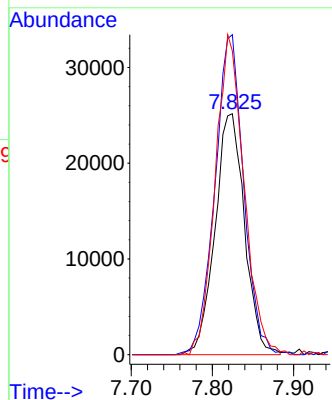
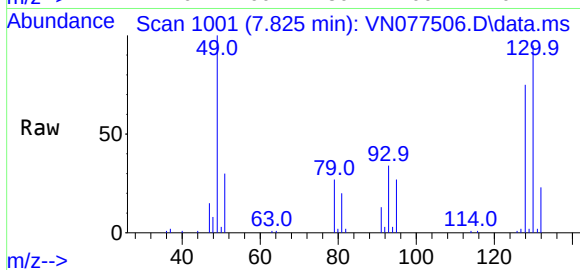




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

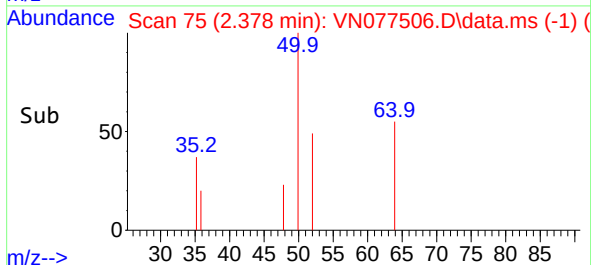
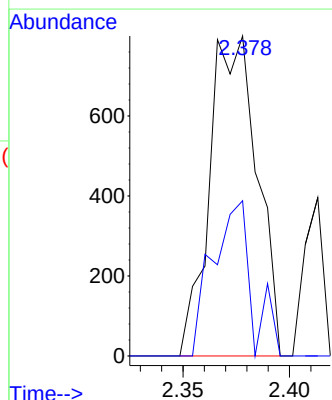
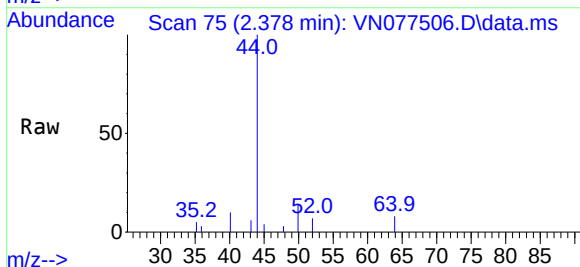
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBL01

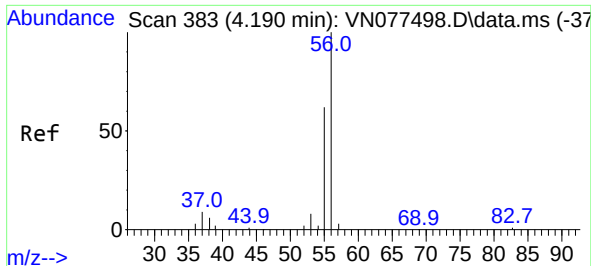
Tgt Ion:128 Resp: 63517
Ion Ratio Lower Upper
128 100
49 129.6 0.0 338.5
130 129.5 0.0 326.3



#3
Chloromethane
Concen: 0.213 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

Tgt Ion: 50 Resp: 1244
Ion Ratio Lower Upper
50 100
52 48.5 26.6 39.8#

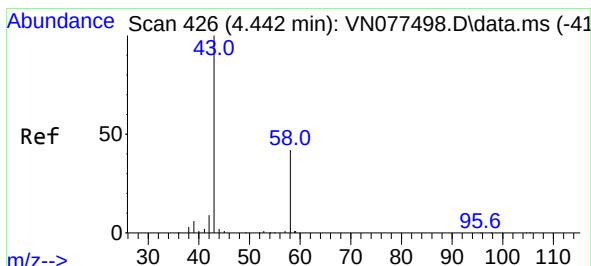
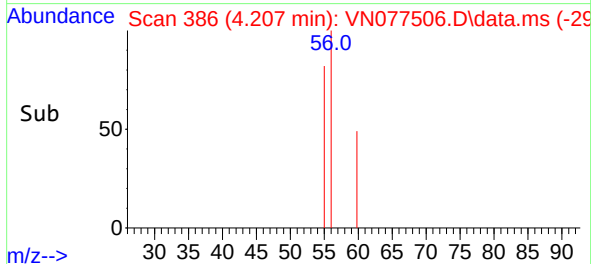
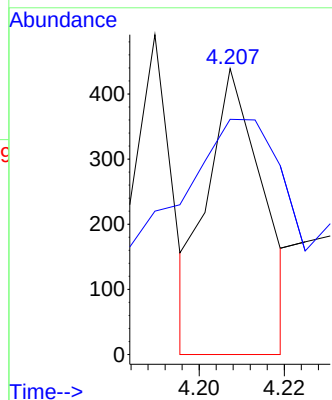
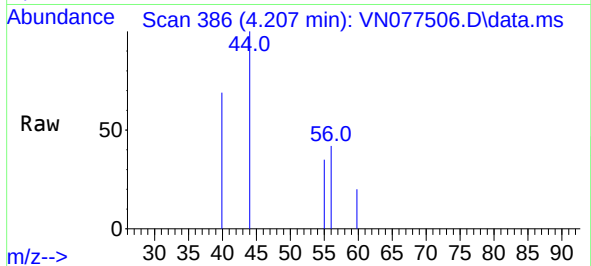




#13
Acrolein
Concen: 0.352 ug/l
RT: 4.207 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

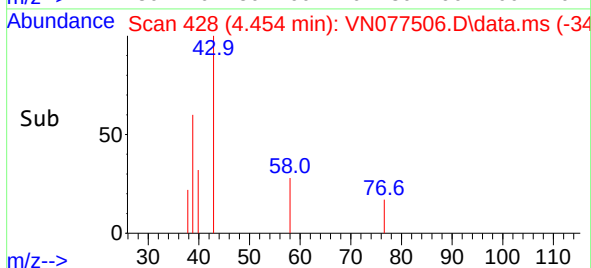
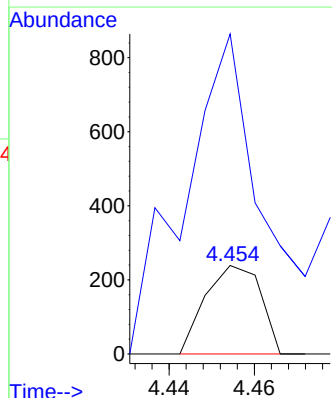
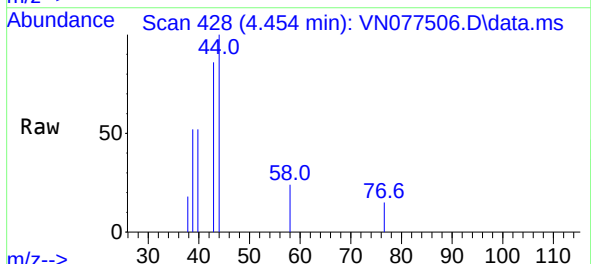
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBL01

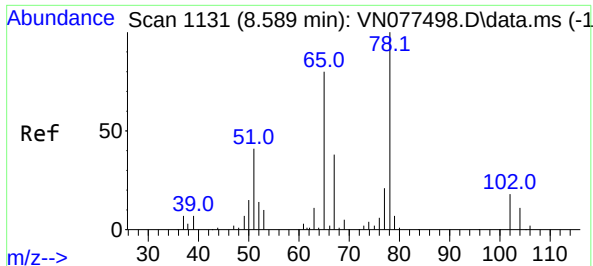
Tgt Ion: 56 Resp: 395
Ion Ratio Lower Upper
56 100
55 204.1 55.8 83.6#



#15
Acetone
Concen: 0.234 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.012 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

Tgt Ion: 58 Resp: 215
Ion Ratio Lower Upper
58 100
43 239.3 197.2 295.8

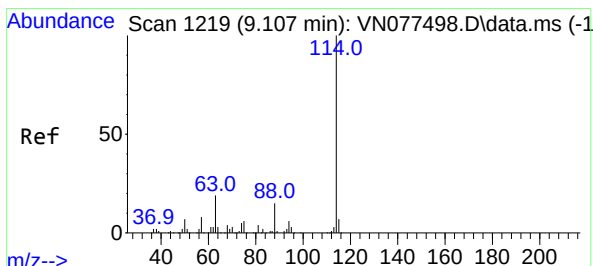
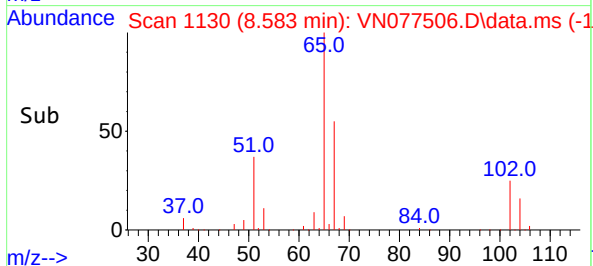
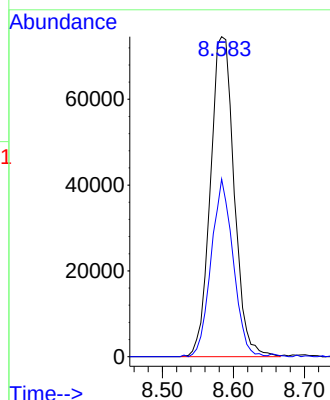
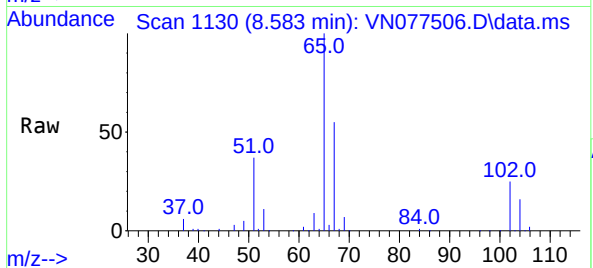




#27
1,2-Dichloroethane-d4
Concen: 30.554 ug/l
RT: 8.583 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

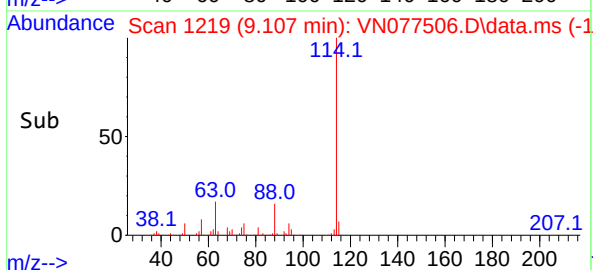
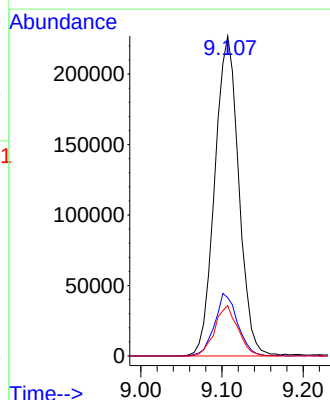
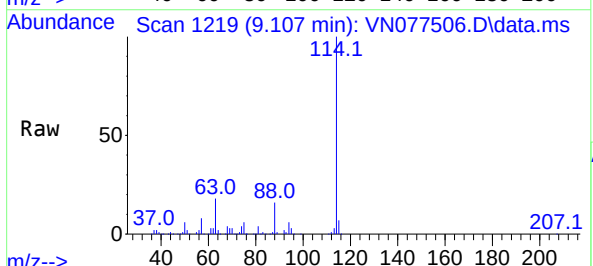
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBL01

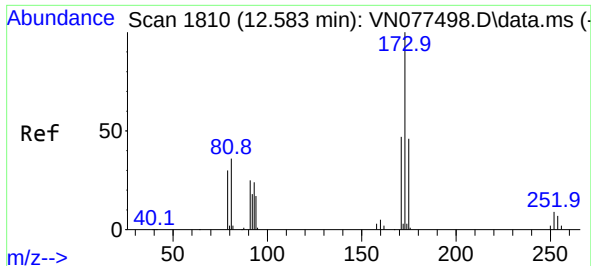
Tgt Ion: 65 Resp: 173013
Ion Ratio Lower Upper
65 100
67 51.4 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

Tgt Ion:114 Resp: 466233
Ion Ratio Lower Upper
114 100
63 18.7 14.1 21.1
88 15.2 12.3 18.5

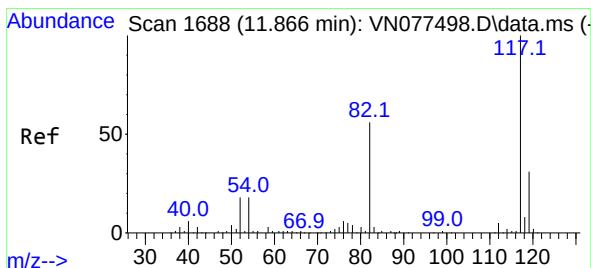
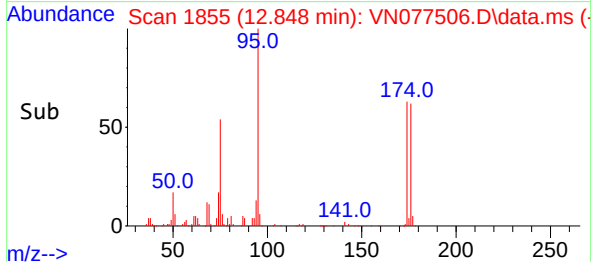
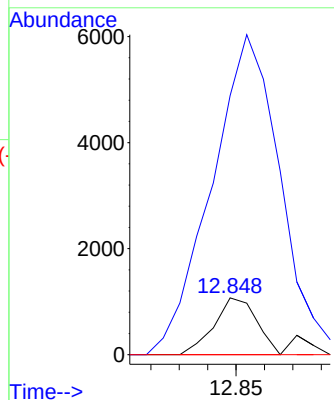
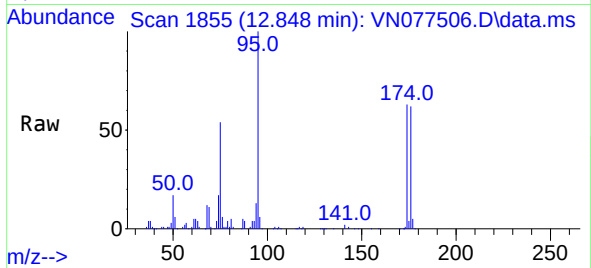




#56
Bromoform
Concen: 0.223 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

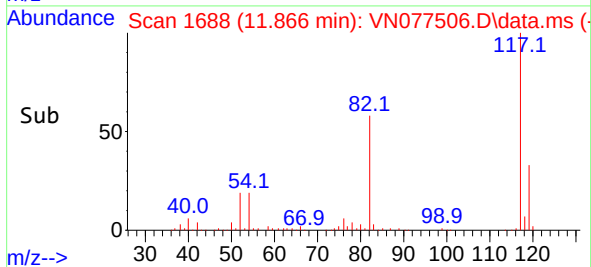
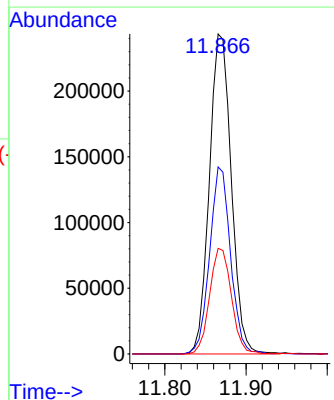
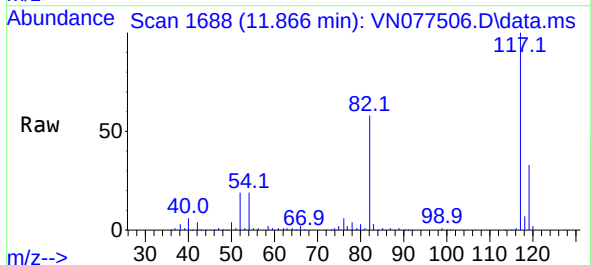
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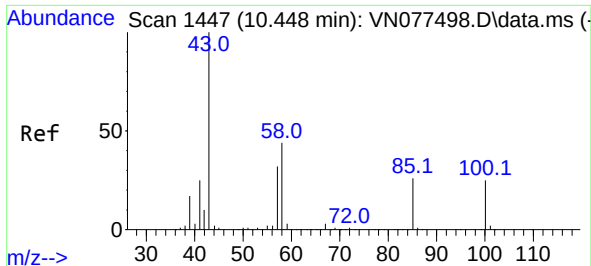
Tgt Ion:173 Resp: 1124
Ion Ratio Lower Upper
173 100
175 900.9 40.3 60.5#
254 0.0 5.0 7.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

Tgt Ion:117 Resp: 456940
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 32.7 25.4 38.2

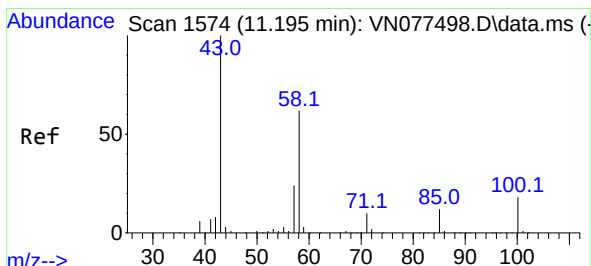
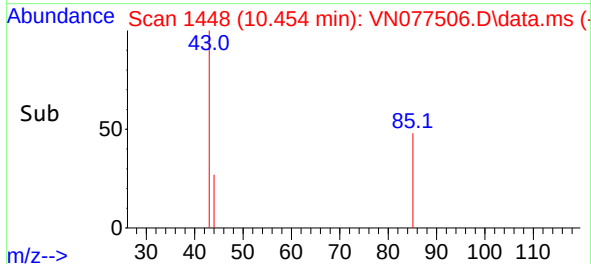
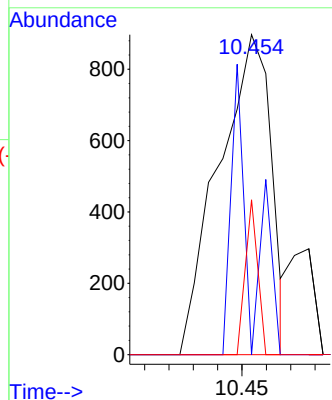
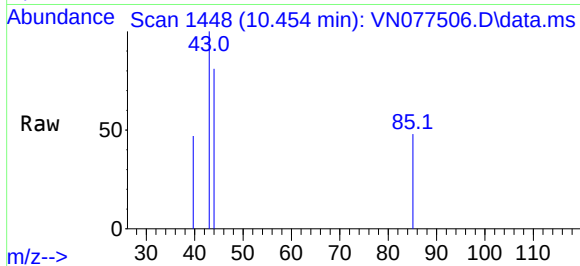




#58
4-Methyl-2-Pentanone
Concen: 0.205 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

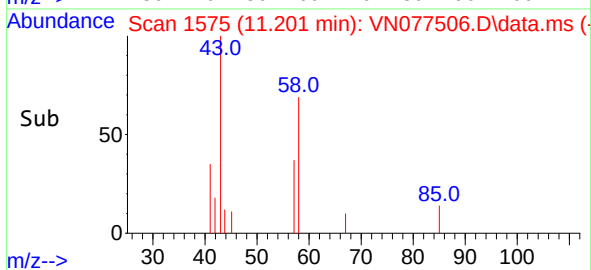
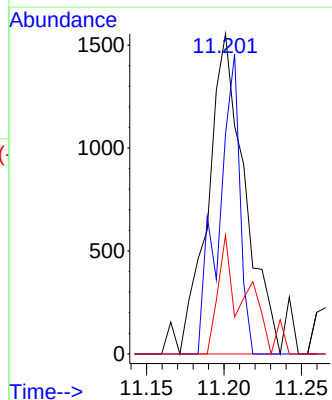
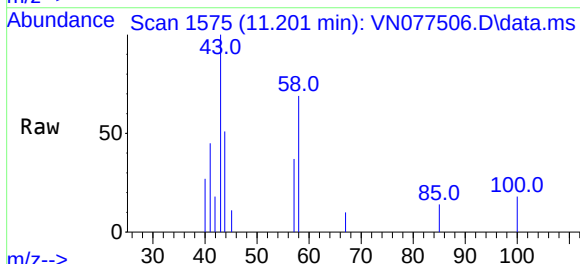
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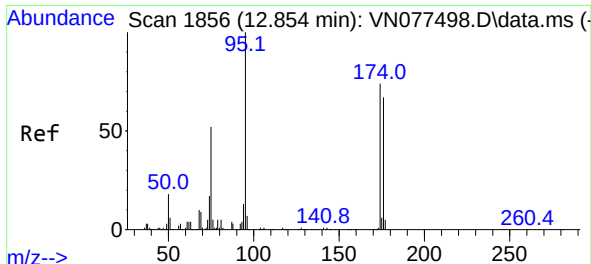
Tgt Ion: 43 Resp: 1348
Ion Ratio Lower Upper
43 100
58 12.8 37.2 55.8#
85 0.0 21.1 31.7#



#59
2-Hexanone
Concen: 0.526 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

Tgt Ion: 43 Resp: 2551
Ion Ratio Lower Upper
43 100
58 53.9 51.8 77.8
57 14.1 18.2 27.4#

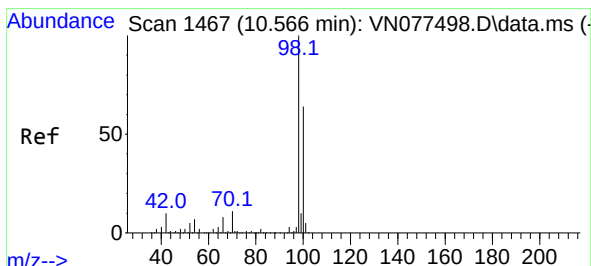
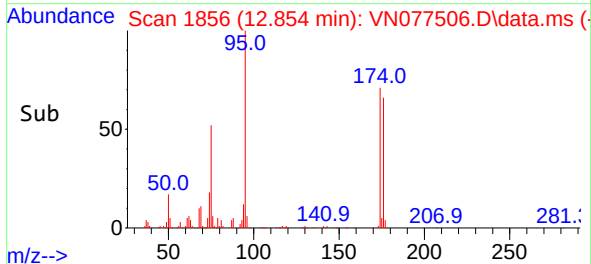
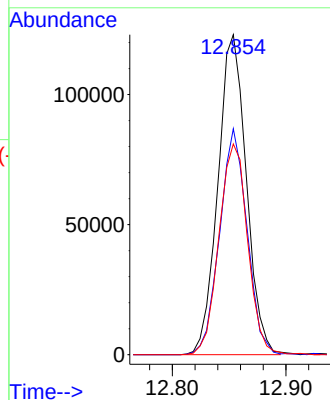
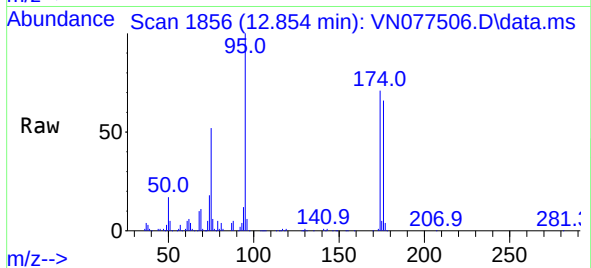




#60
4-Bromofluorobenzene
Concen: 26.716 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

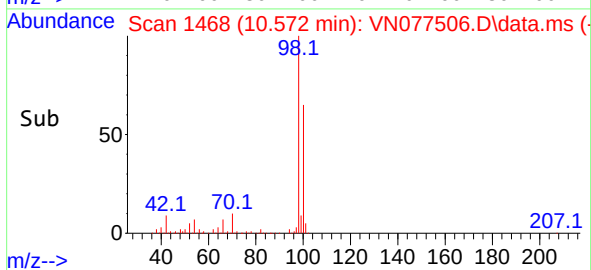
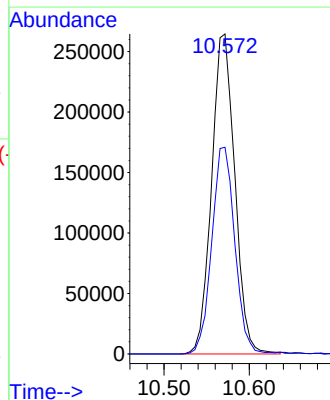
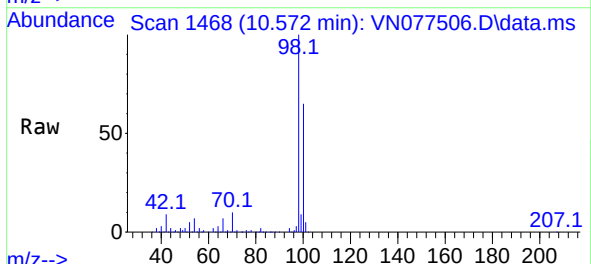
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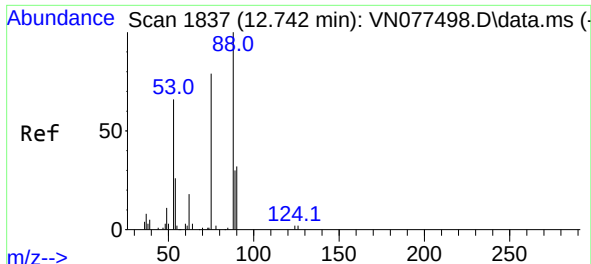
Tgt Ion: 95 Resp: 213874
Ion Ratio Lower Upper
95 100
174 67.9 55.9 83.9
176 66.3 53.9 80.9



#63
Toluene-d8
Concen: 31.123 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

Tgt Ion: 98 Resp: 501122
Ion Ratio Lower Upper
98 100
100 64.1 51.0 76.4

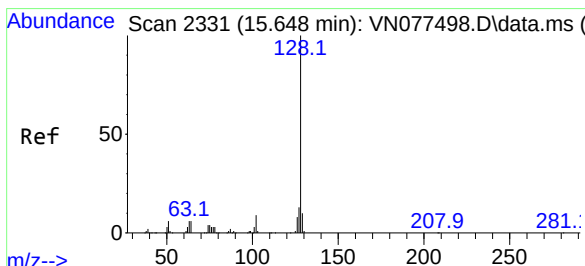
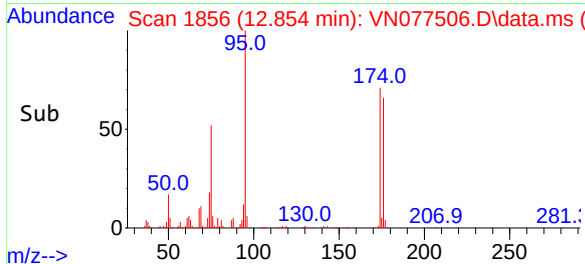
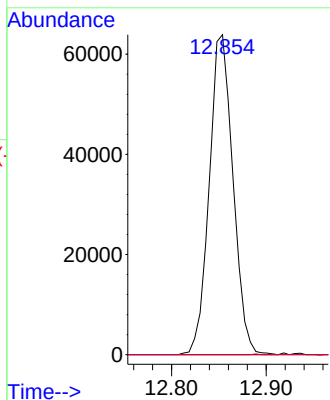
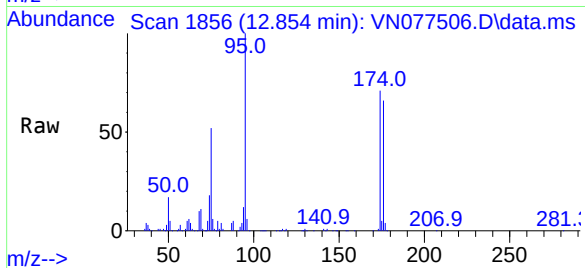




#77
t-1,4-Dichloro-2-butene
Concen: 39.463 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

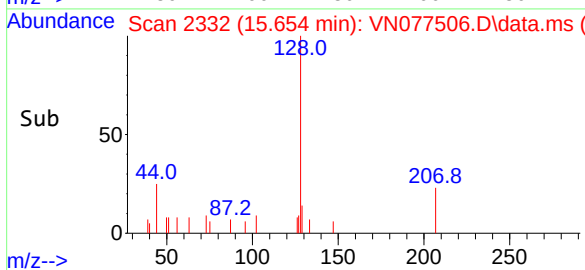
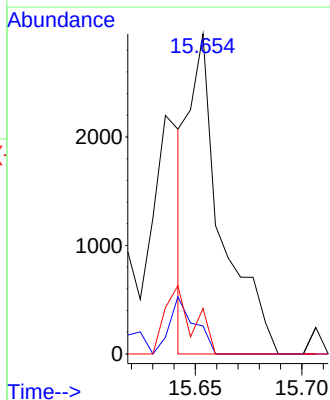
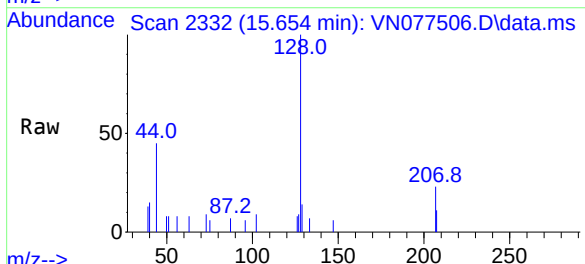
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBL01

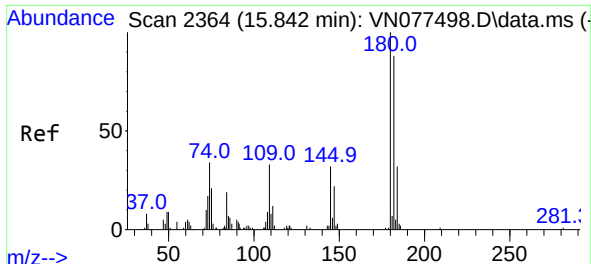
Tgt Ion: 75 Resp: 111271
Ion Ratio Lower Upper
75 100
53 0.0 38.2 114.6#
89 0.0 22.1 66.1#



#91
Naphthalene
Concen: 0.262 ug/l
RT: 15.654 min Scan# 2332
Delta R.T. 0.006 min
Lab File: VN077506.D
Acq: 28 Apr 2023 17:53

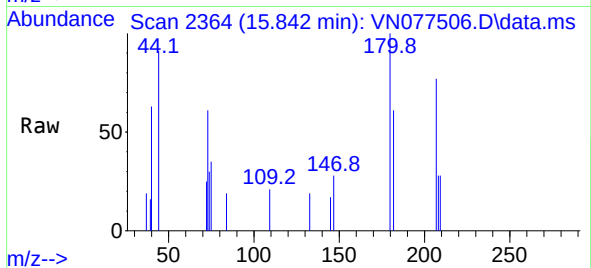
Tgt Ion: 128 Resp: 3166
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.437 ug/l
 RT: 15.842 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN077506.D
 Acq: 28 Apr 2023 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBL01



Tgt Ion:	180	Resp:	1353
Ion	Ratio	Lower	Upper
180	100		
182	60.0	0.0	198.0
145	26.2	0.0	80.2

