

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080323\
 Data File : VN078747.D
 Acq On : 03 Aug 2023 12:55
 Operator : JC\MD
 Sample : VN0803WBL03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBL03

Quant Time: Aug 04 06:30:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:51:47 2023
 Response via : Initial Calibration

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

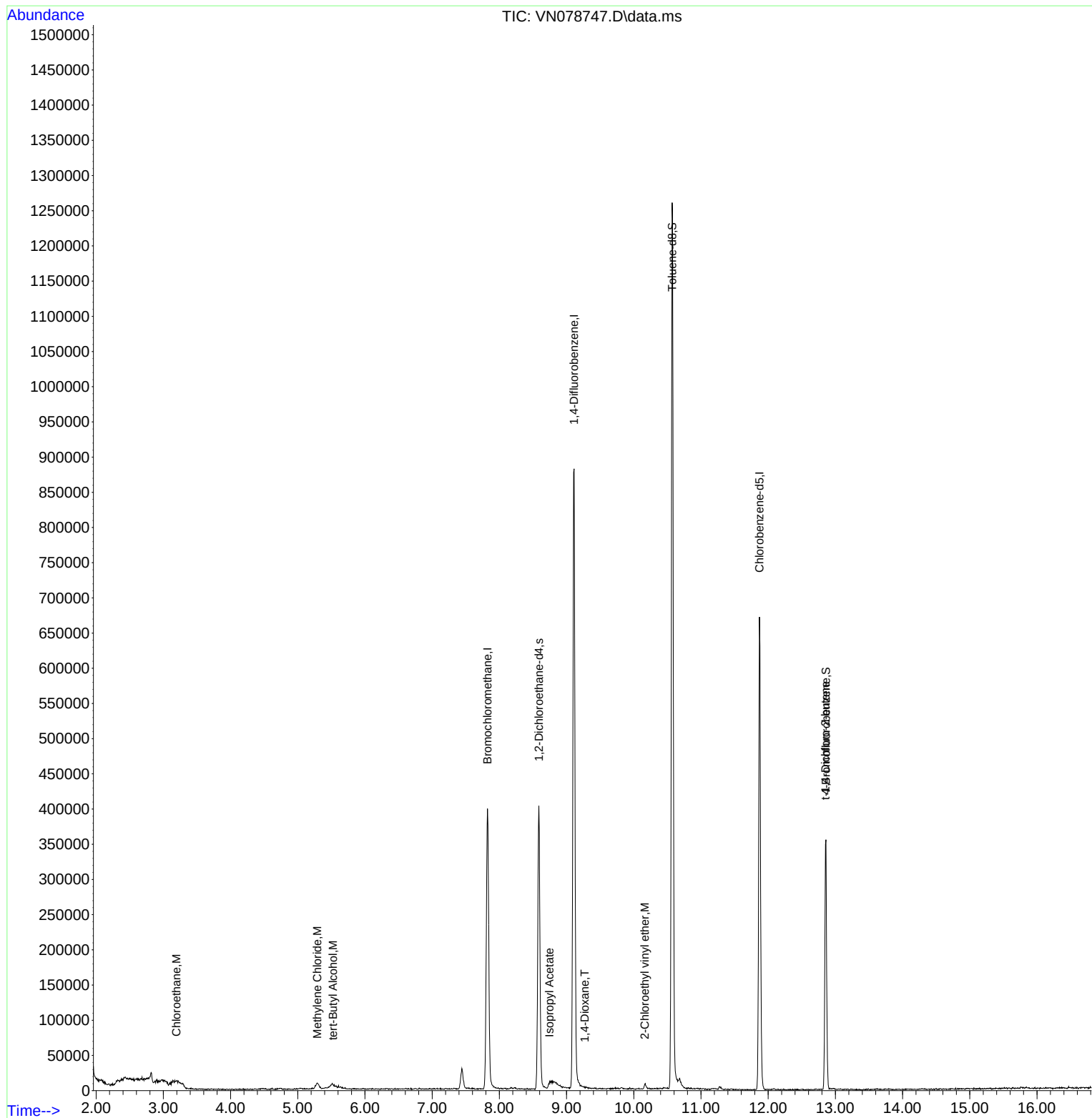
Internal Standards						
1) Bromochloromethane	7.824	128	149449	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	808015	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	409821	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	323006	28.833	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.100%
60) 4-Bromofluorobenzene	12.859	95	126186	20.546	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	68.500%
63) Toluene-d8	10.570	98	951968	47.022	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	156.733%#
Target Compounds						
					Qvalue	
6) Chloroethane	3.195	64	4206	0.410	ug/l	93
18) Methylene Chloride	5.288	84	4146	0.415	ug/l #	78
23) tert-Butyl Alcohol	5.524	59	1325	0.820	ug/l #	100
44) Isopropyl Acetate	8.747	43	5239	0.307	ug/l #	54
45) 1,4-Dioxane	9.271	88	158	1.008	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.165	63	3440	0.841	ug/l	91
77) t-1,4-Dichloro-2-butene	12.853	75	66288	29.136	ug/l #	15

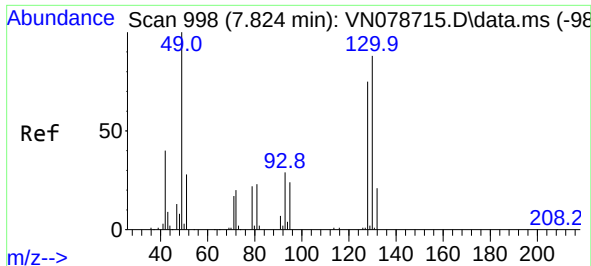
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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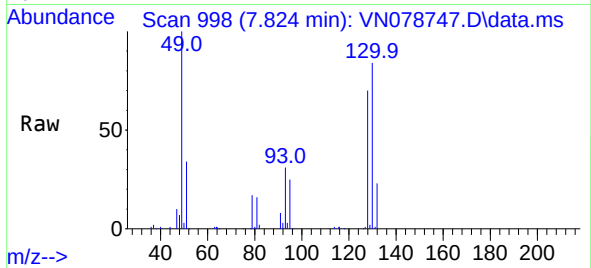
Quant Time: Aug 04 06:30:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 02 04:51:47 2023
Response via : Initial Calibration



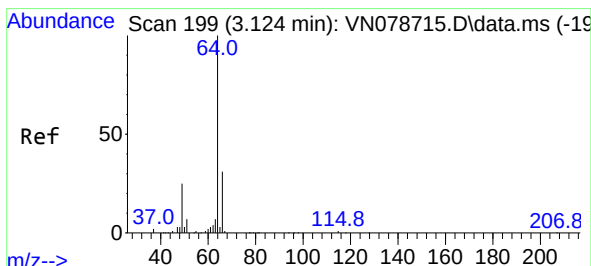
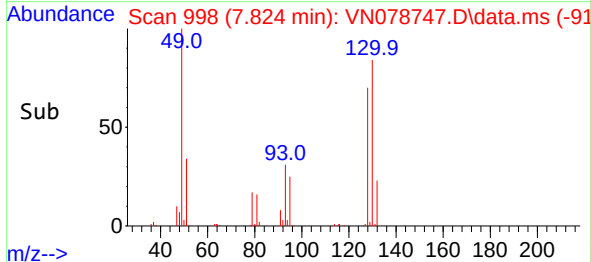
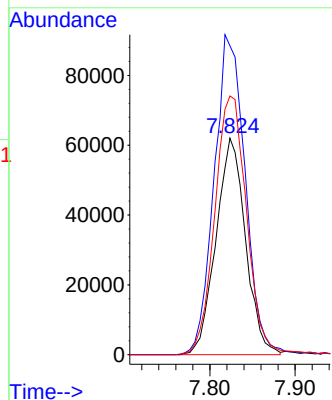


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078747.D
Acq: 03 Aug 2023 12:55

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL03

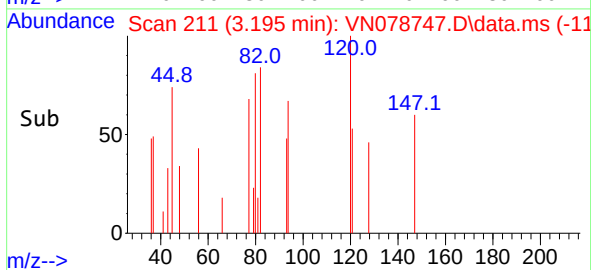
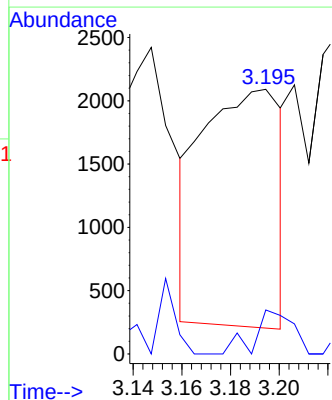
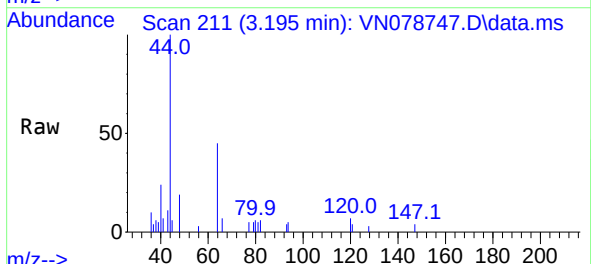


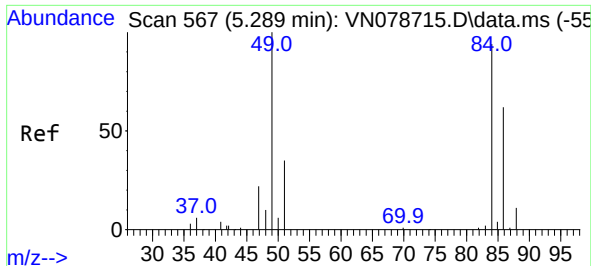
Tgt Ion:128 Resp: 149449
Ion Ratio Lower Upper
128 100
49 155.2 0.0 370.8
130 129.3 0.0 307.0



#6
Chloroethane
Concen: 0.410 ug/l
RT: 3.195 min Scan# 211
Delta R.T. 0.070 min
Lab File: VN078747.D
Acq: 03 Aug 2023 12:55

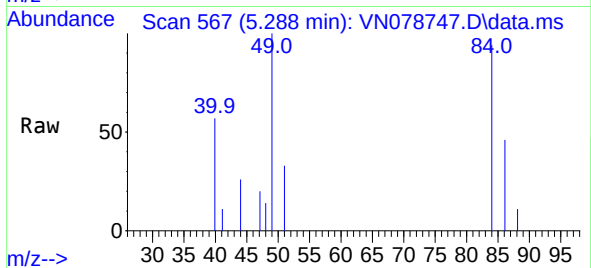
Tgt Ion: 64 Resp: 4206
Ion Ratio Lower Upper
64 100
66 36.1 25.7 38.5





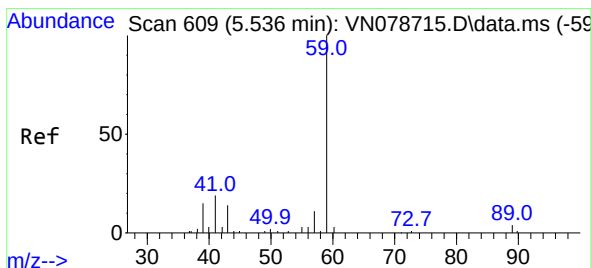
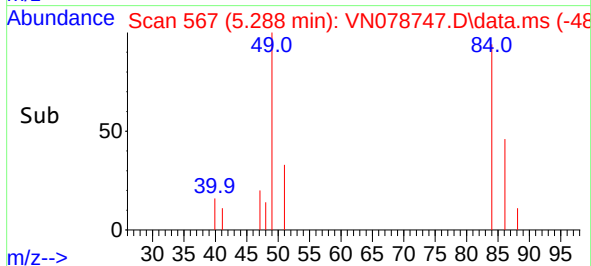
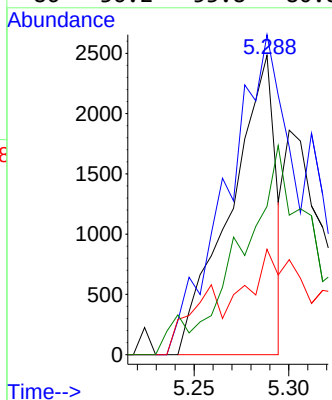
#18
Methylene Chloride
Concen: 0.415 ug/l
RT: 5.288 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN078747.D
Acq: 03 Aug 2023 12:55

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL03



Tgt Ion: 84 Resp: 4146

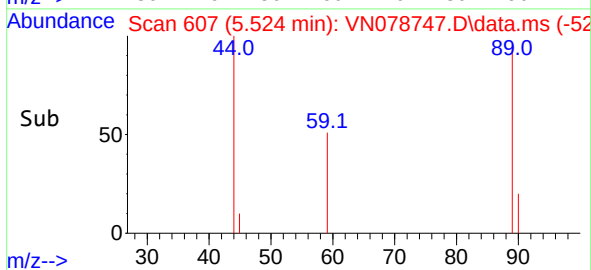
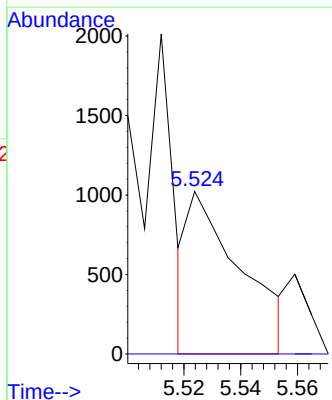
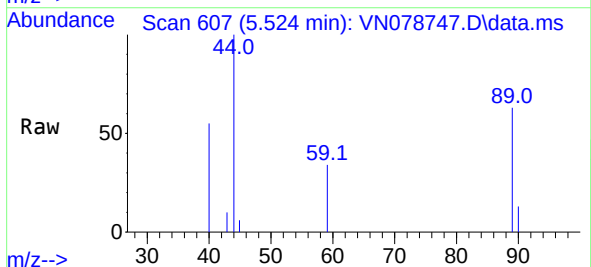
Ion	Ratio	Lower	Upper
84	100		
49	95.6	88.1	132.1
51	23.4	24.0	36.0#
86	36.2	53.8	80.8#

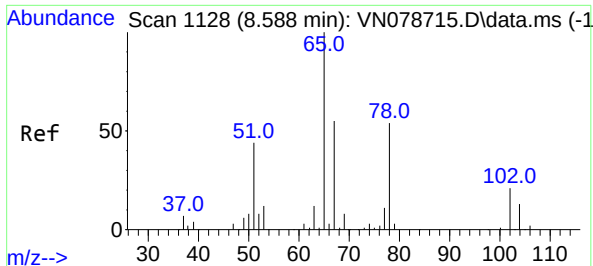


#23
tert-Butyl Alcohol
Concen: 0.820 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN078747.D
Acq: 03 Aug 2023 12:55

Tgt Ion: 59 Resp: 1325

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

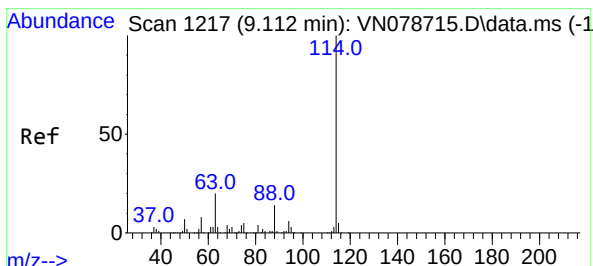
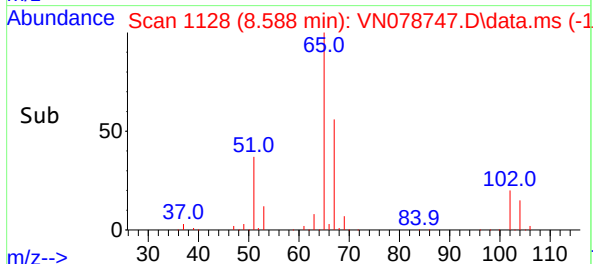
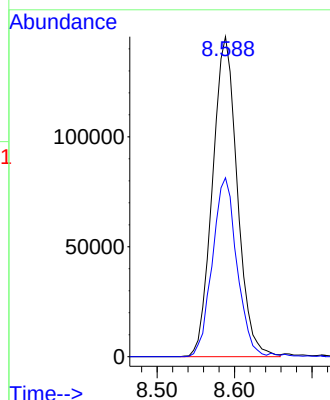
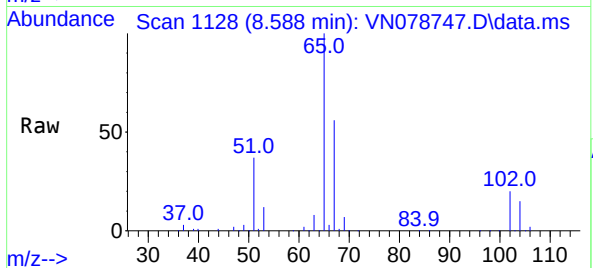




#27
1,2-Dichloroethane-d4
Concen: 28.833 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN078747.D
Acq: 03 Aug 2023 12:55

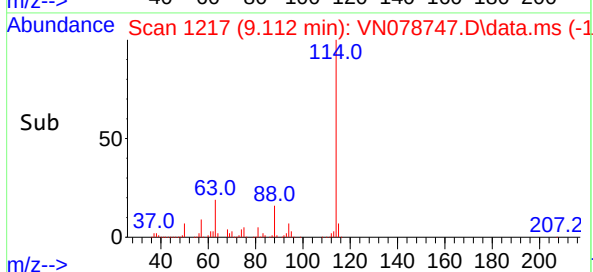
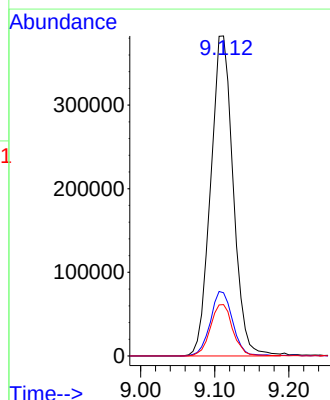
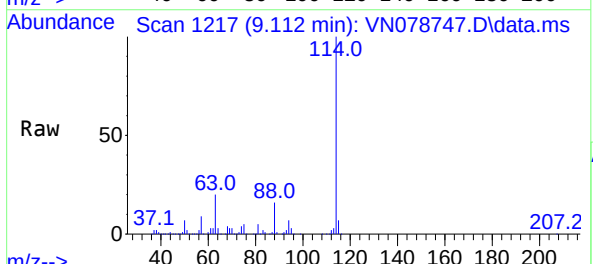
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL03

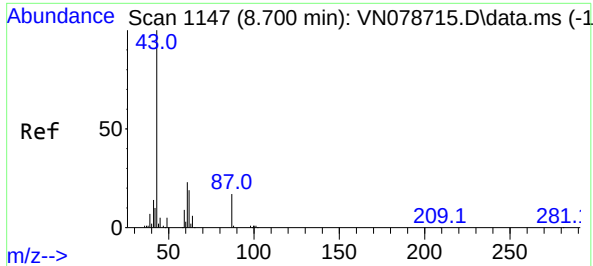
Tgt Ion: 65 Resp: 323006
Ion Ratio Lower Upper
65 100
67 55.3 42.9 64.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. -0.000 min
Lab File: VN078747.D
Acq: 03 Aug 2023 12:55

Tgt Ion: 114 Resp: 808015
Ion Ratio Lower Upper
114 100
63 19.9 15.2 22.8
88 16.0 12.5 18.7

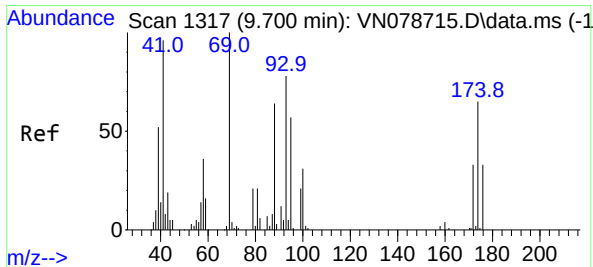
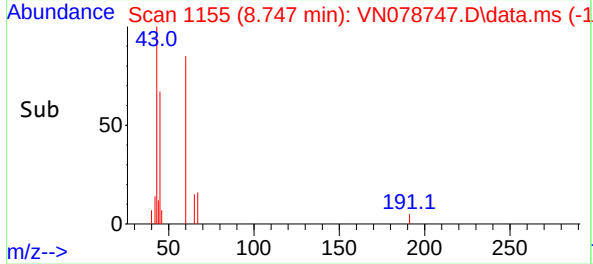
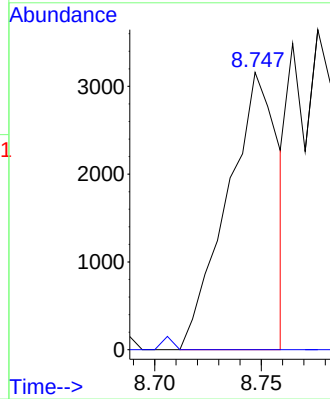
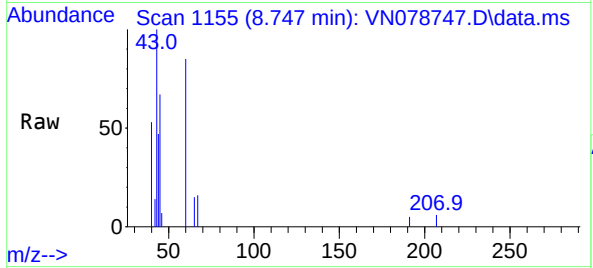




#44
Isopropyl Acetate
Concen: 0.307 ug/l
RT: 8.747 min Scan# 1155
Delta R.T. 0.047 min
Lab File: VN078747.D
Acq: 03 Aug 2023 12:55

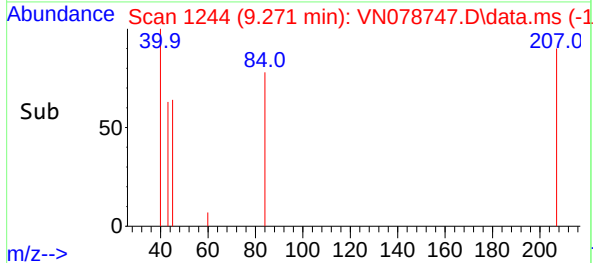
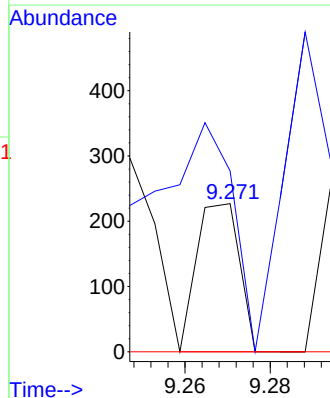
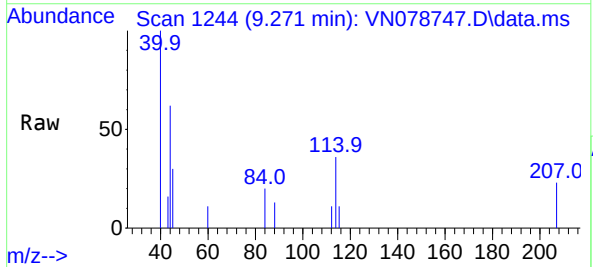
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL03

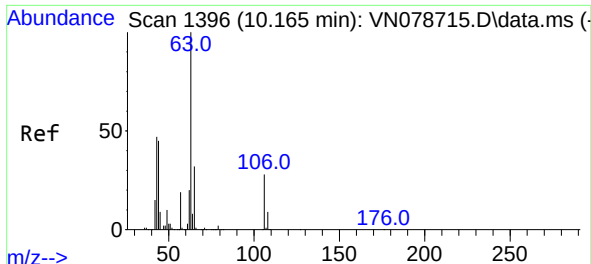
Tgt Ion: 43 Resp: 5239
Ion Ratio Lower Upper
43 100
61 53.4 23.0 34.6#



#45
1,4-Dioxane
Concen: 1.008 ug/l
RT: 9.271 min Scan# 1244
Delta R.T. -0.430 min
Lab File: VN078747.D
Acq: 03 Aug 2023 12:55

Tgt Ion: 88 Resp: 158
Ion Ratio Lower Upper
88 100
43 197.5 19.0 28.6#
58 0.0 48.2 72.2#

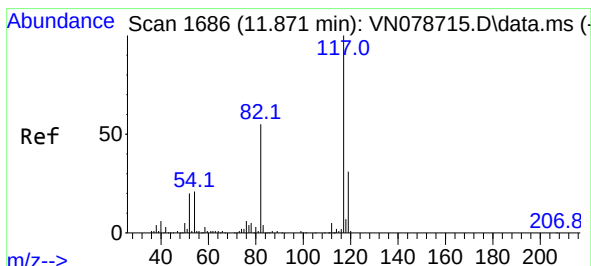
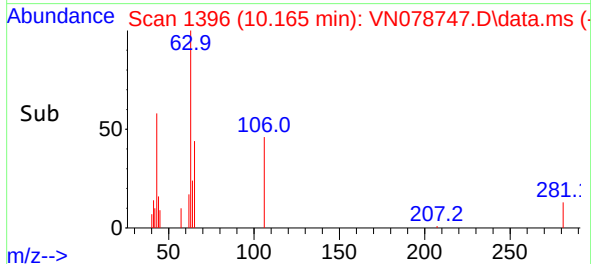
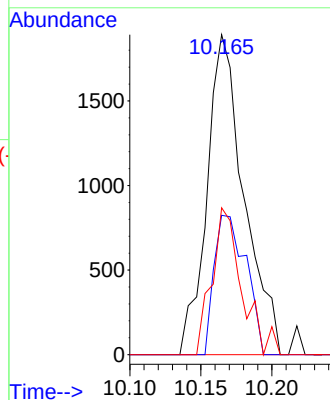
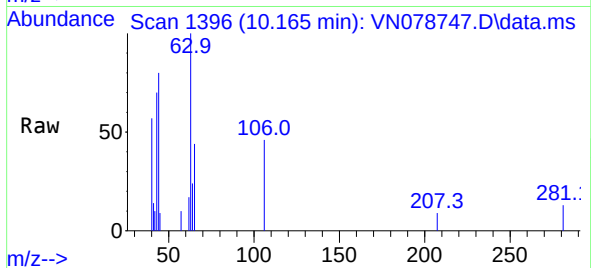




#55
2-Chloroethyl vinyl ether
Concen: 0.841 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN078747.D
Acq: 03 Aug 2023 12:55

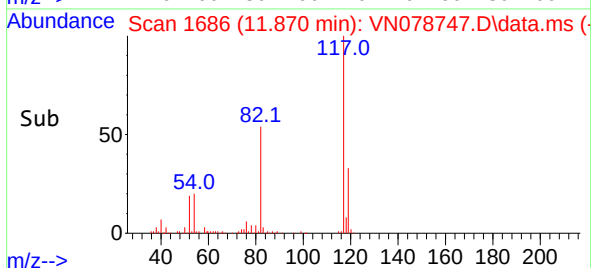
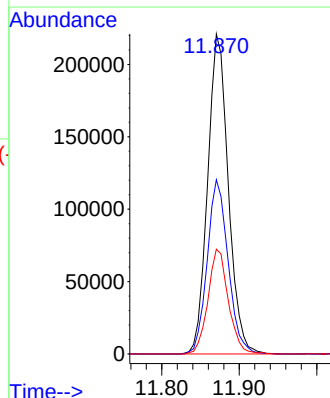
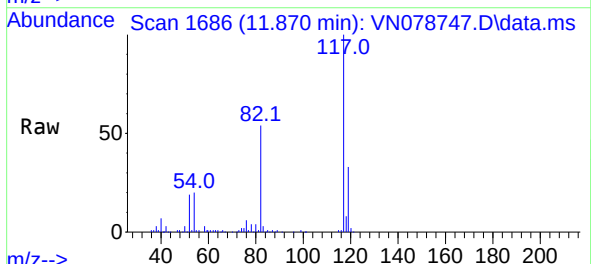
Instrument :
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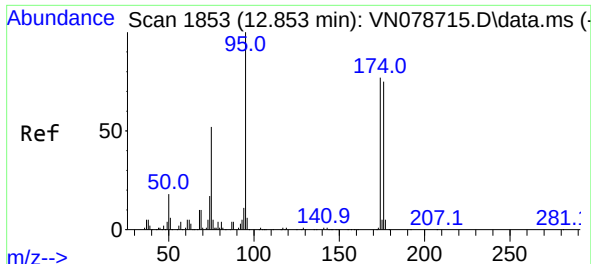
Tgt Ion:	63	Resp:	3440
Ion	Ratio	Lower	Upper
63	100		
65	37.1	26.3	39.5
106	35.1	23.8	35.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078747.D
Acq: 03 Aug 2023 12:55

Tgt Ion:	117	Resp:	409821
Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.9	65.9
119	32.3	26.2	39.4

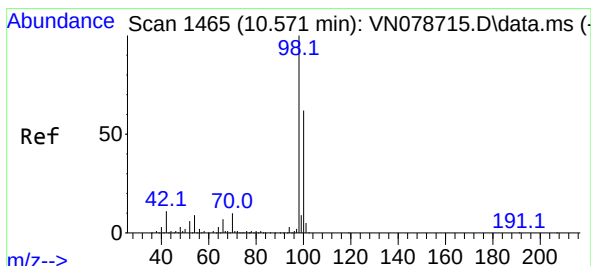
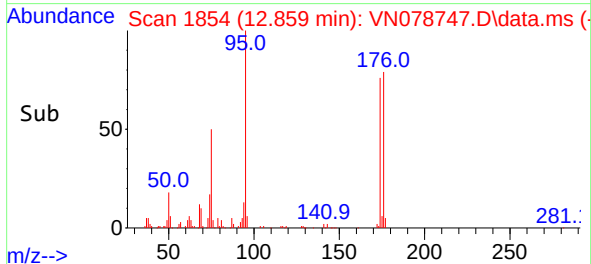
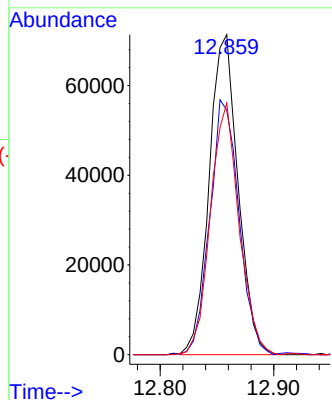
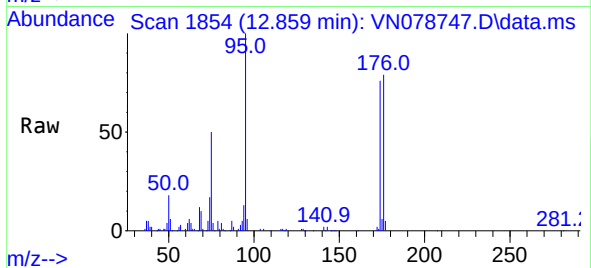




#60
4-Bromofluorobenzene
Concen: 20.546 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078747.D
Acq: 03 Aug 2023 12:55

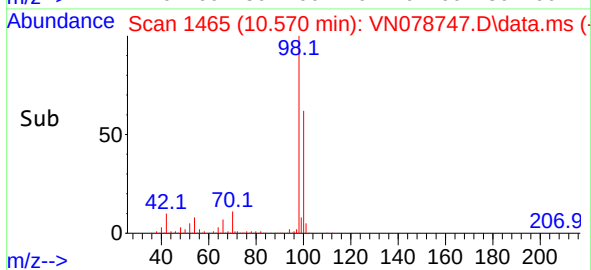
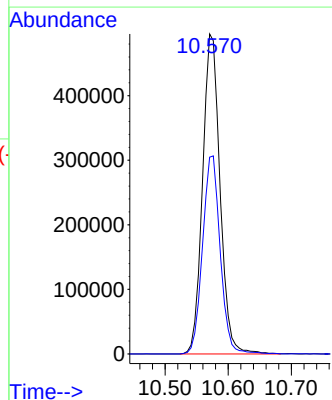
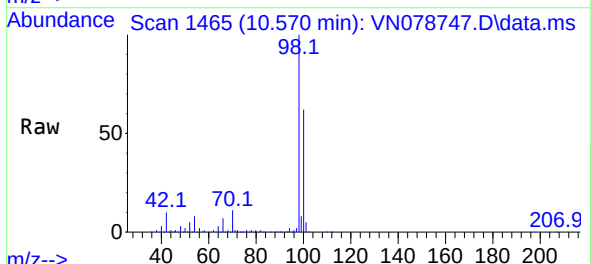
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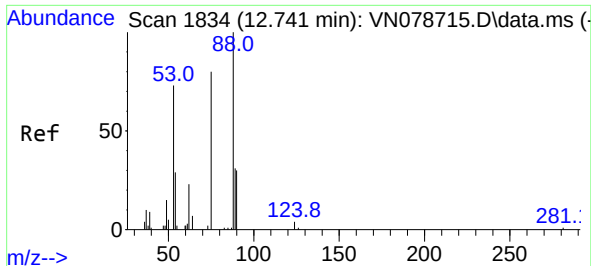
Tgt Ion: 95 Resp: 126186
Ion Ratio Lower Upper
95 100
174 80.1 61.7 92.5
176 78.0 58.1 87.1



#63
Toluene-d8
Concen: 47.022 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078747.D
Acq: 03 Aug 2023 12:55

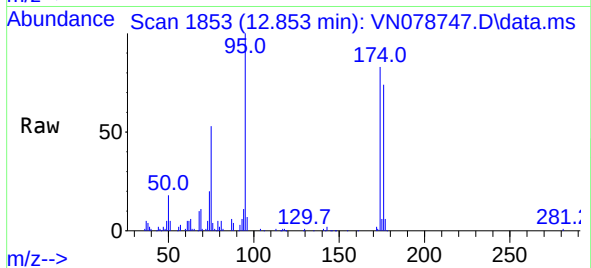
Tgt Ion: 98 Resp: 951968
Ion Ratio Lower Upper
98 100
100 62.6 49.7 74.5





#77
 t-1,4-Dichloro-2-butene
 Concen: 29.136 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078747.D
 Acq: 03 Aug 2023 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBL03



Tgt Ion:	75	Resp:	66288
Ion	Ratio	Lower	Upper
75	100		
53	0.0	41.6	124.9#
89	0.0	25.1	75.4#

