

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080323\
 Data File : VN078745.D
 Acq On : 03 Aug 2023 12:07
 Operator : JC\MD
 Sample : VN0803WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBL01

Quant Time: Aug 04 06:30:07 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)

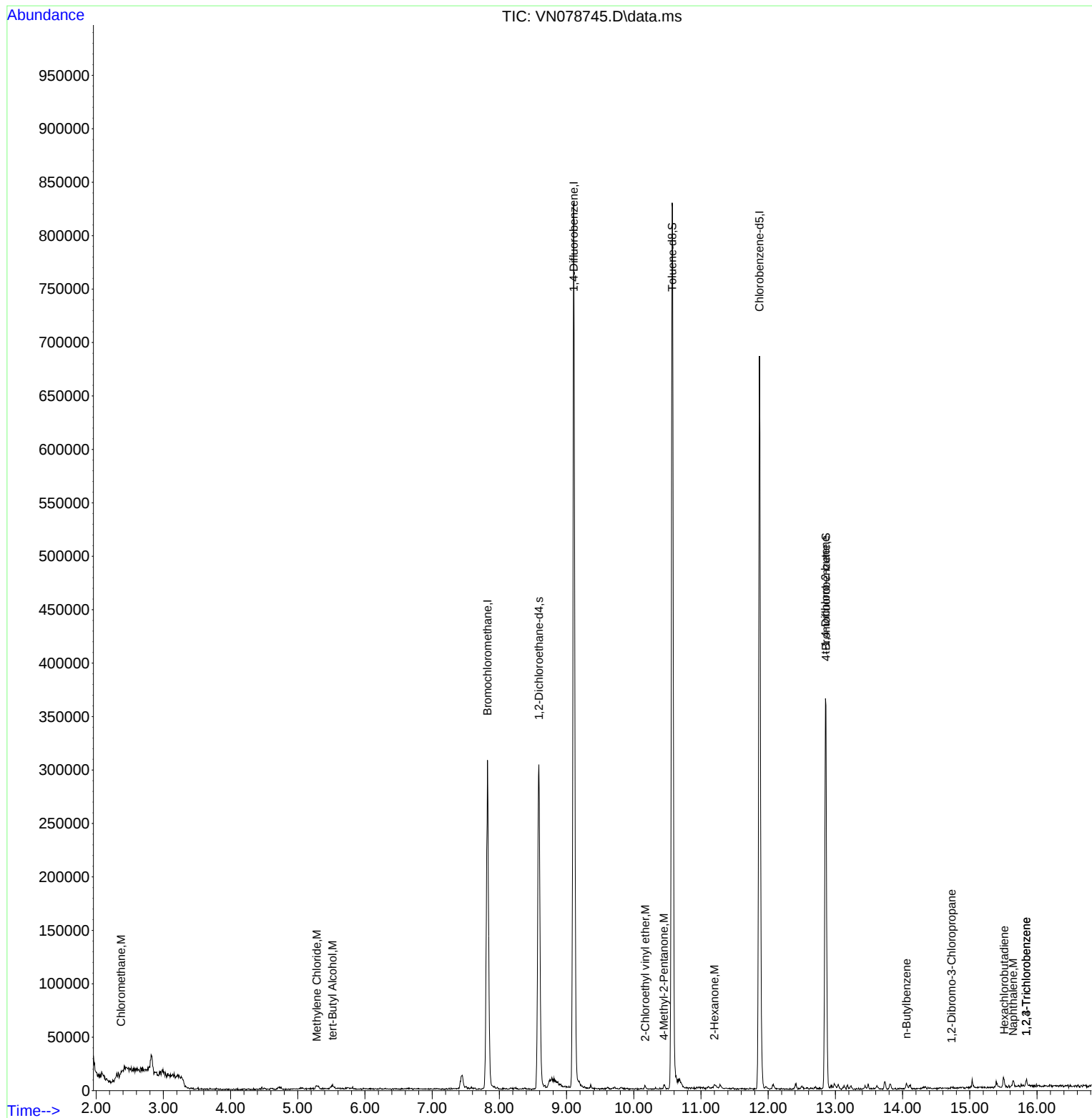
Internal Standards						
1) Bromochloromethane	7.824	128	104365	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	645752	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	412289	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	258999	33.107	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 110.367%#	
60) 4-Bromofluorobenzene	12.859	95	131512	21.285	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 70.933%	
63) Toluene-d8	10.571	98	611584	30.028	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.100%	
Target Compounds						
						Qvalue
3) Chloromethane	2.371	50	2690	0.332	ug/l #	80
18) Methylene Chloride	5.283	84	2001	0.287	ug/l #	91
23) tert-Butyl Alcohol	5.518	59	1567	1.389	ug/l #	100
55) 2-Chloroethyl vinyl ether	10.171	63	1084	0.331	ug/l #	76
58) 4-Methyl-2-Pentanone	10.447	43	1505	0.244	ug/l #	81
59) 2-Hexanone	11.200	43	2472	0.529	ug/l	89
77) t-1,4-Dichloro-2-butene	12.853	75	72490	31.672	ug/l #	16
85) n-Butylbenzene	14.059	91	3327	0.247	ug/l #	48
88) 1,2-Dibromo-3-Chloropr...	14.729	75	349	0.263	ug/l #	30
89) 1,2,4-Trichlorobenzene	15.841	180	2068	0.741	ug/l	92
90) Hexachlorobutadiene	15.511	225	2243	1.056	ug/l #	26
91) Naphthalene	15.647	128	5199	0.615	ug/l #	82
92) 1,2,3-Trichlorobenzene	15.841	180	2068	0.651	ug/l	95

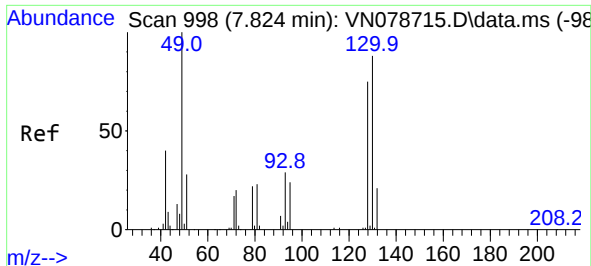
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080323\
Data File : VN078745.D
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Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL01

Quant Time: Aug 04 06:30:07 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

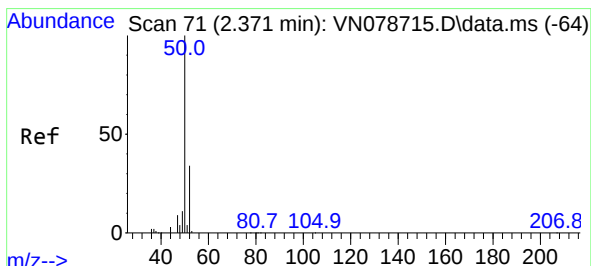
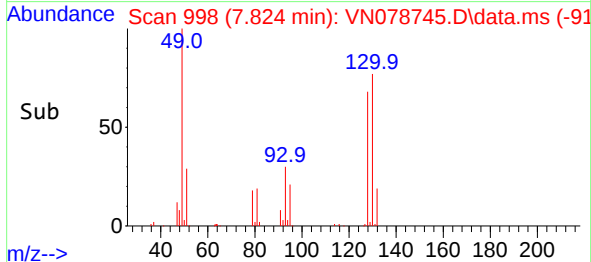
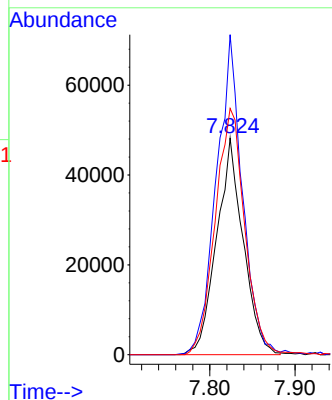
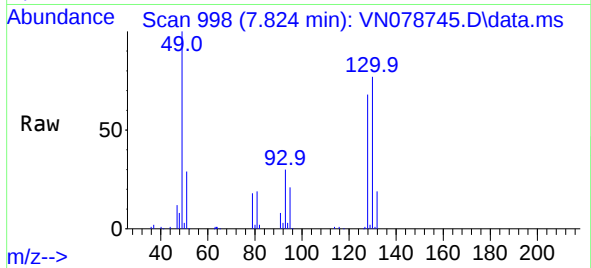




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

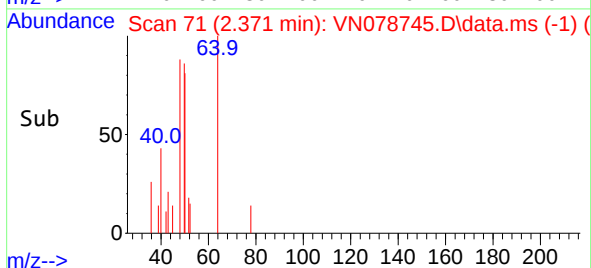
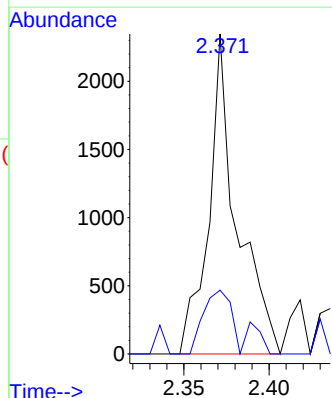
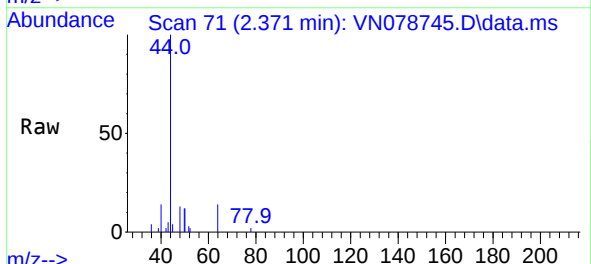
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL01

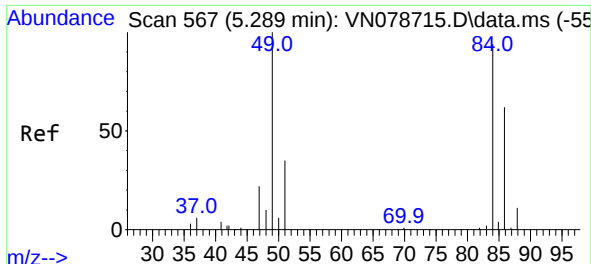
Tgt Ion:128 Resp: 104365
Ion Ratio Lower Upper
128 100
49 144.3 0.0 370.8
130 126.5 0.0 307.0



#3
Chloromethane
Concen: 0.332 ug/l
RT: 2.371 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

Tgt Ion: 50 Resp: 2690
Ion Ratio Lower Upper
50 100
52 20.0 24.6 36.8#



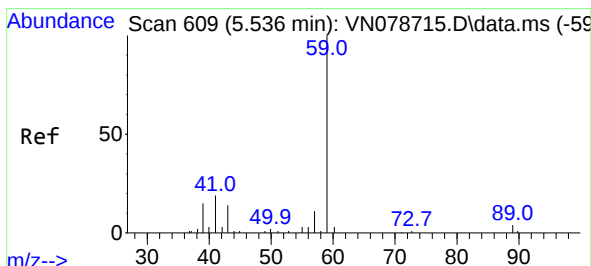
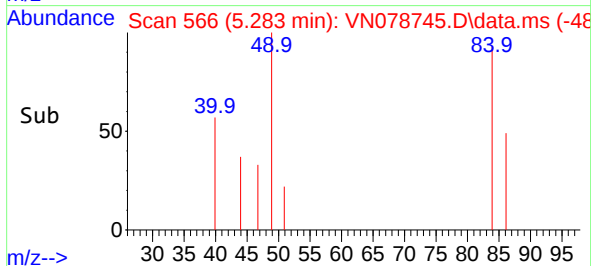
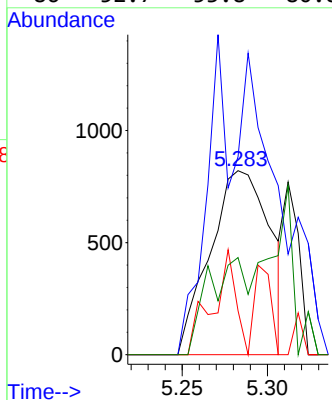
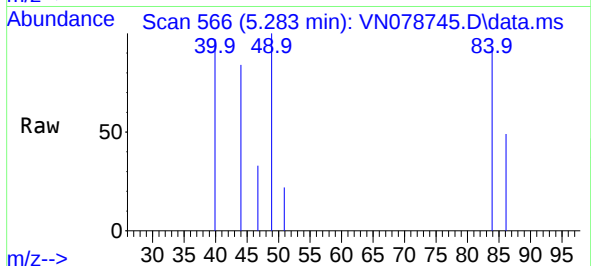


#18
Methylene Chloride
Concen: 0.287 ug/l
RT: 5.283 min Scan# 501
Delta R.T. -0.006 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL01

Tgt Ion: 84 Resp: 2001

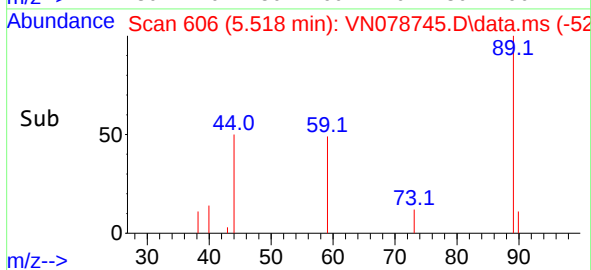
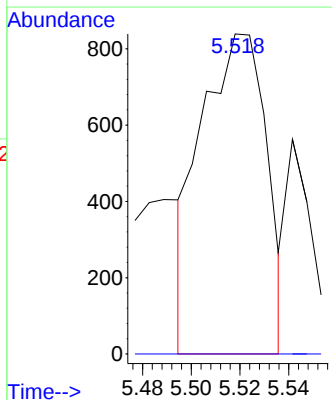
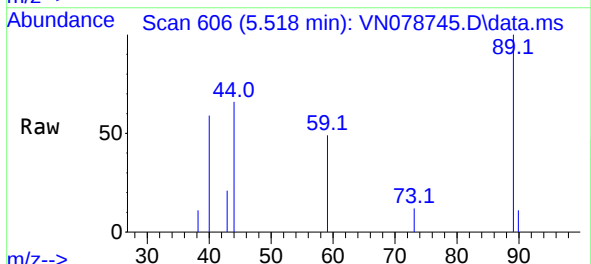
Ion	Ratio	Lower	Upper
84	100		
49	107.6	88.1	132.1
51	23.9	24.0	36.0#
86	52.7	53.8	80.8#

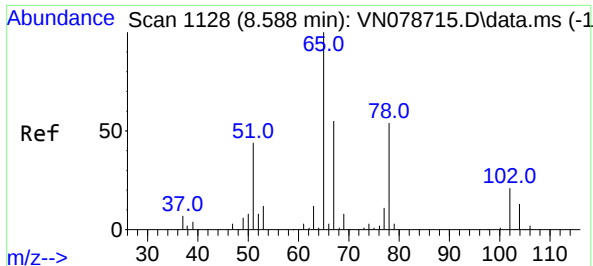


#23
tert-Butyl Alcohol
Concen: 1.389 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.018 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

Tgt Ion: 59 Resp: 1567

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

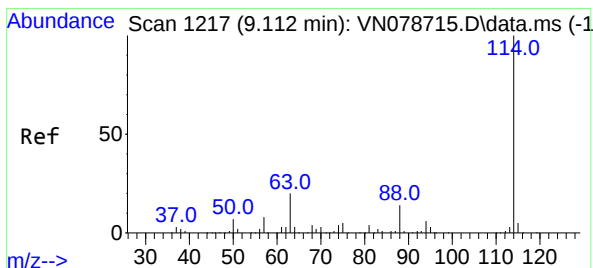
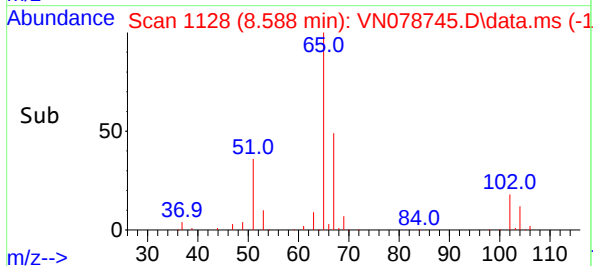
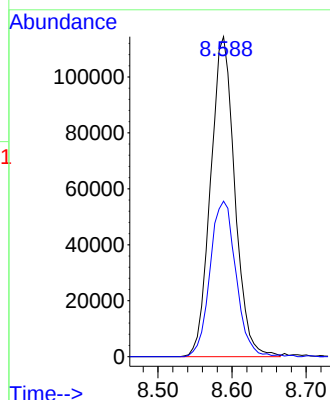
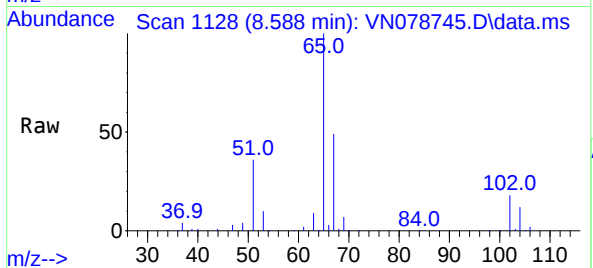




#27
1,2-Dichloroethane-d4
Concen: 33.107 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

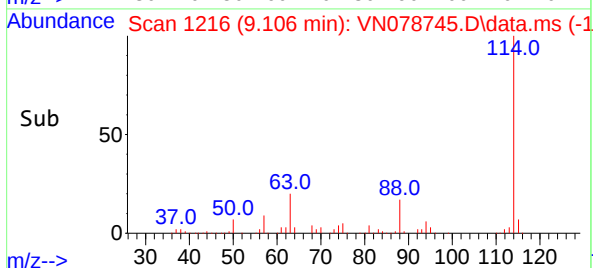
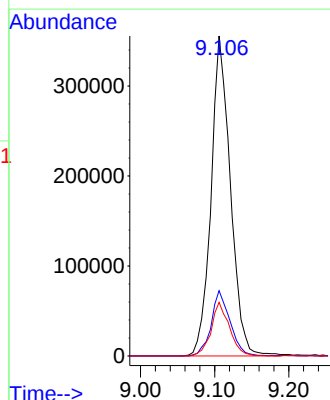
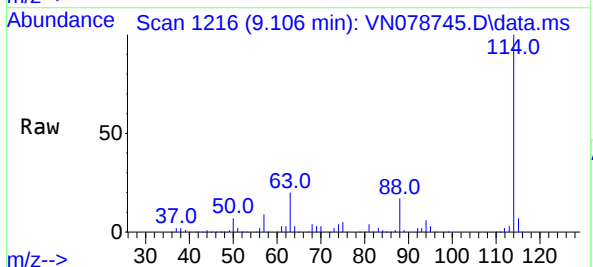
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL01

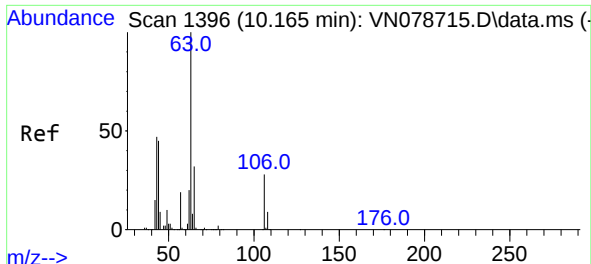
Tgt Ion: 65 Resp: 258999
Ion Ratio Lower Upper
65 100
67 51.9 42.9 64.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.006 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

Tgt Ion: 114 Resp: 645752
Ion Ratio Lower Upper
114 100
63 19.8 15.2 22.8
88 15.9 12.5 18.7

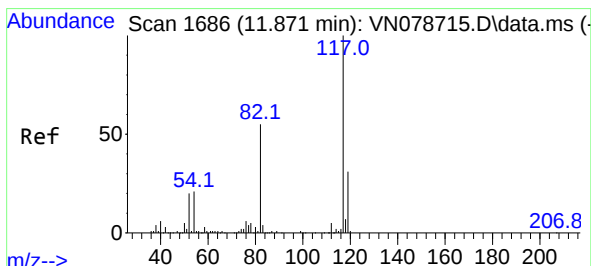
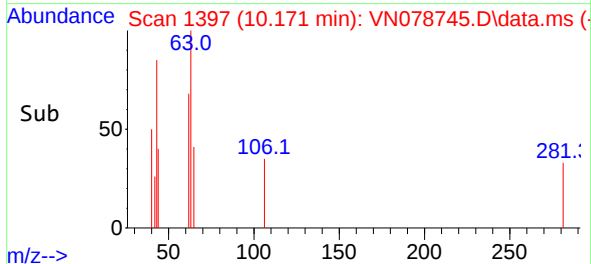
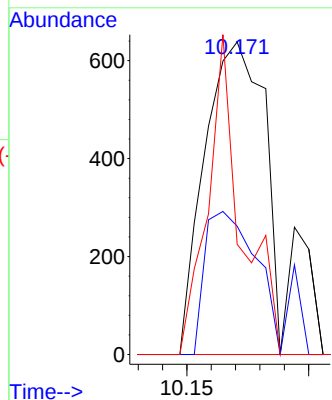
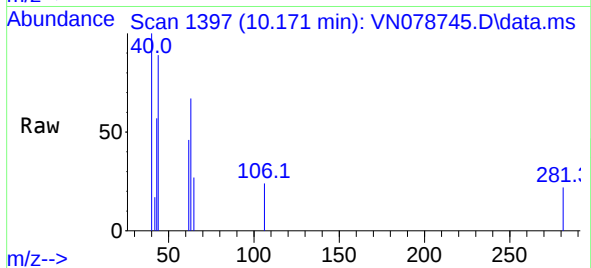




#55
2-Chloroethyl vinyl ether
Concen: 0.331 ug/l
RT: 10.171 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

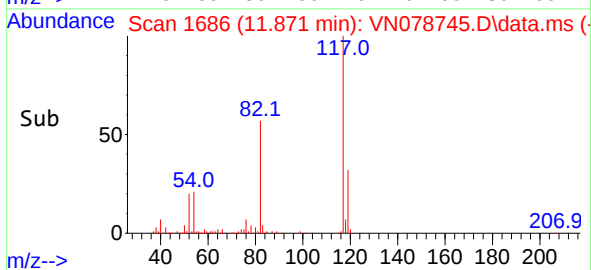
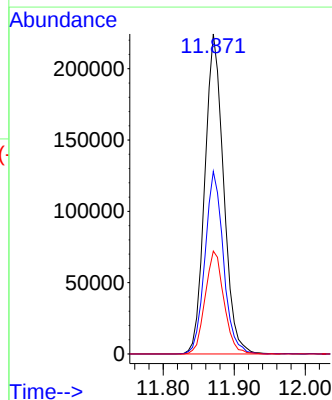
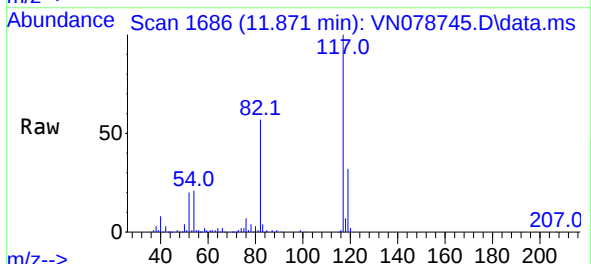
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL01

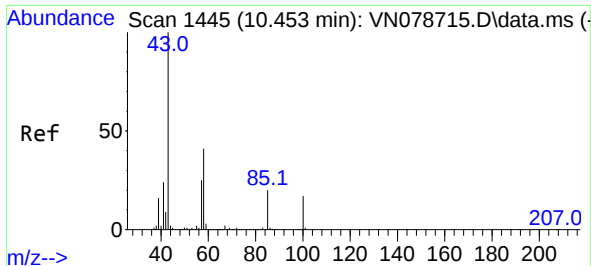
Tgt Ion: 63 Resp: 1084
Ion Ratio Lower Upper
63 100
65 39.5 26.3 39.5#
106 49.7 23.8 35.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

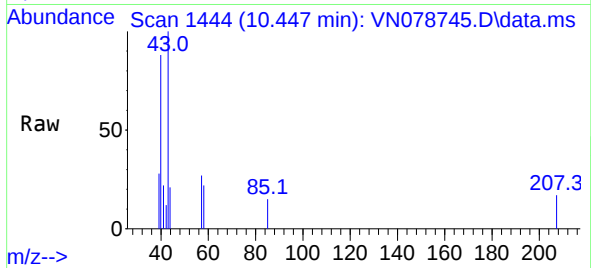
Tgt Ion: 117 Resp: 412289
Ion Ratio Lower Upper
117 100
82 56.1 43.9 65.9
119 32.2 26.2 39.4



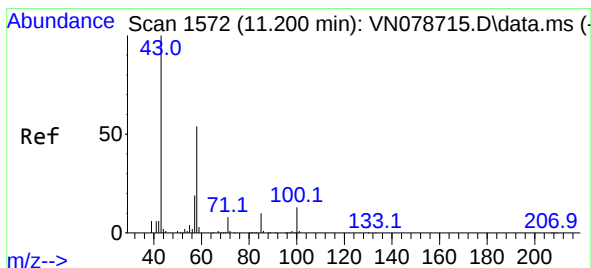
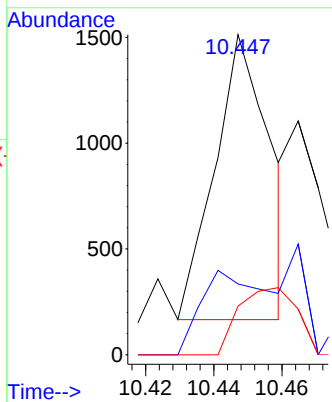
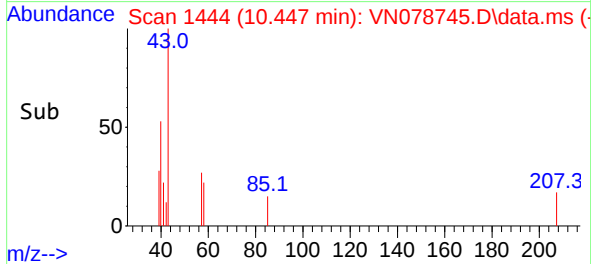


#58
4-Methyl-2-Pentanone
Concen: 0.244 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL01

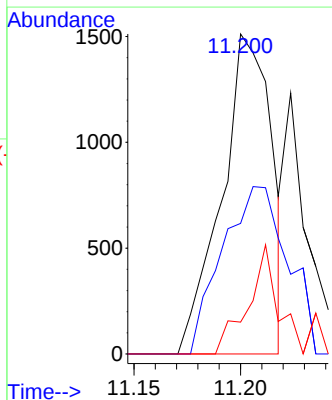
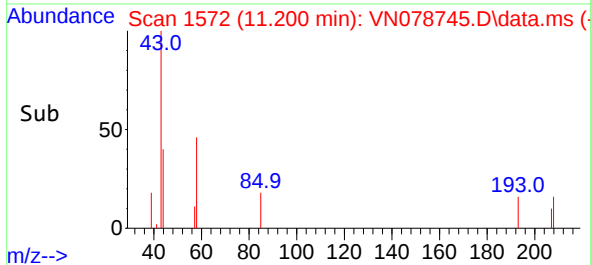
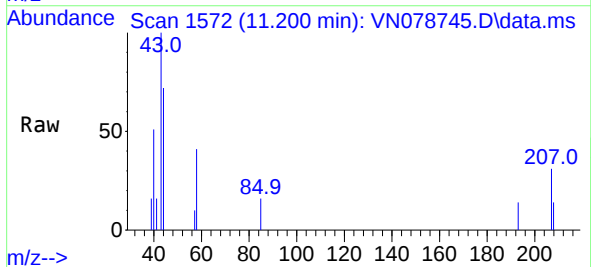


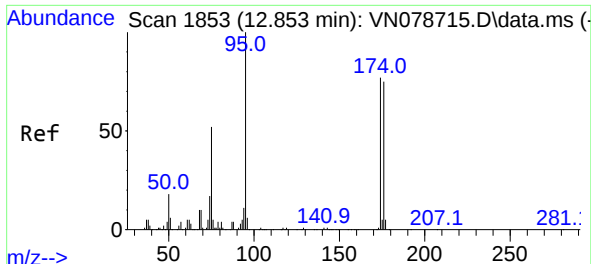
Tgt Ion: 43 Resp: 1505
Ion Ratio Lower Upper
43 100
58 36.5 32.6 48.8
85 0.0 16.2 24.2#



#59
2-Hexanone
Concen: 0.529 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

Tgt Ion: 43 Resp: 2472
Ion Ratio Lower Upper
43 100
58 68.3 45.9 68.9
57 20.3 15.8 23.6

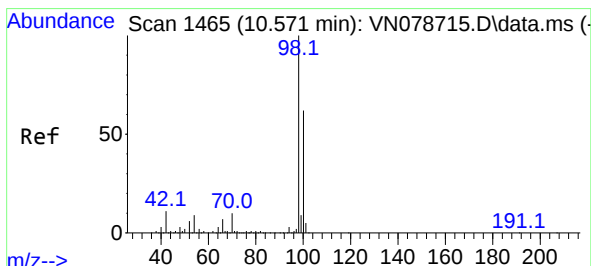
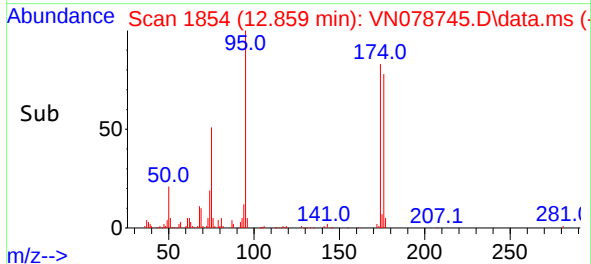
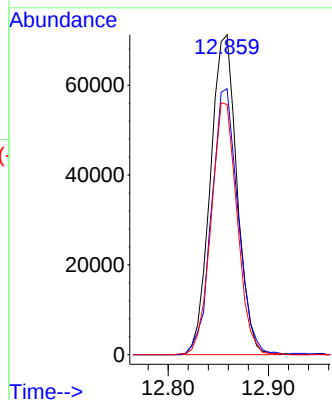
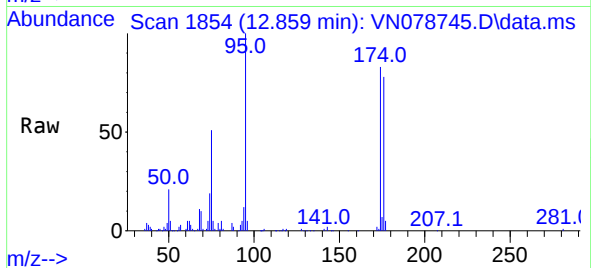




#60
4-Bromofluorobenzene
Concen: 21.285 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

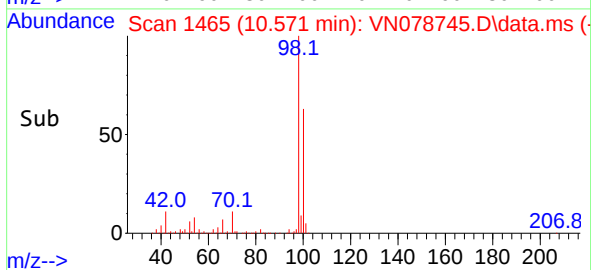
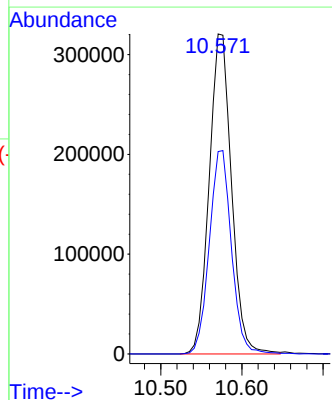
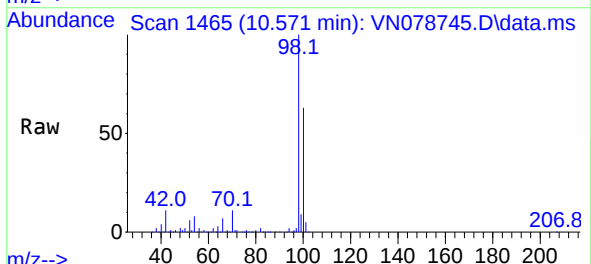
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MSVOA_N
ClientSampleId :
VN0803WBL01

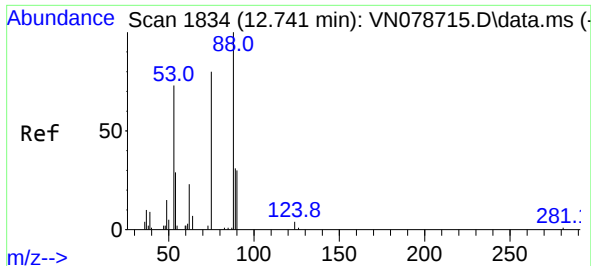
Tgt Ion: 95 Resp: 131512
Ion Ratio Lower Upper
95 100
174 82.5 61.7 92.5
176 76.7 58.1 87.1



#63
Toluene-d8
Concen: 30.028 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

Tgt Ion: 98 Resp: 611584
Ion Ratio Lower Upper
98 100
100 63.0 49.7 74.5





#77

t-1,4-Dichloro-2-butene

Concen: 31.672 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078745.D

Acq: 03 Aug 2023 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBL01

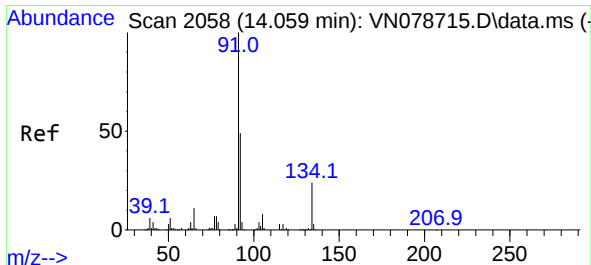
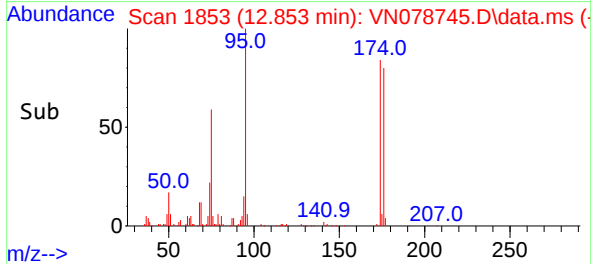
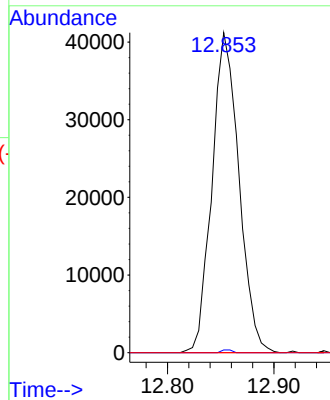
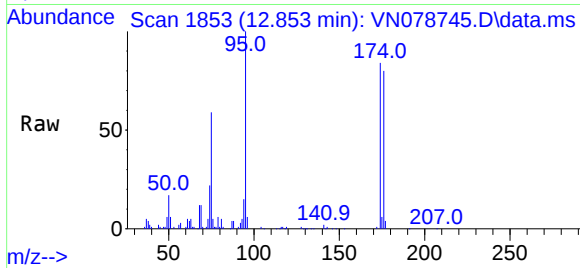
Tgt Ion: 75 Resp: 72490

Ion Ratio Lower Upper

75 100

53 0.9 41.6 124.9#

89 0.0 25.1 75.4#



#85

n-Butylbenzene

Concen: 0.247 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN078745.D

Acq: 03 Aug 2023 12:07

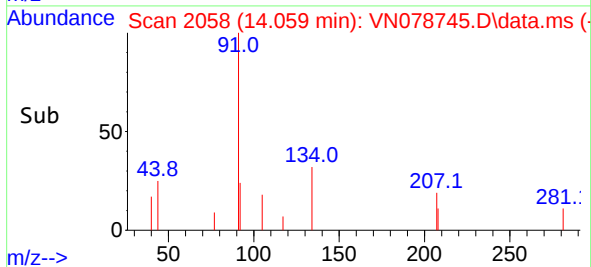
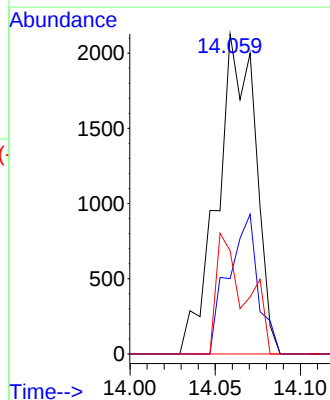
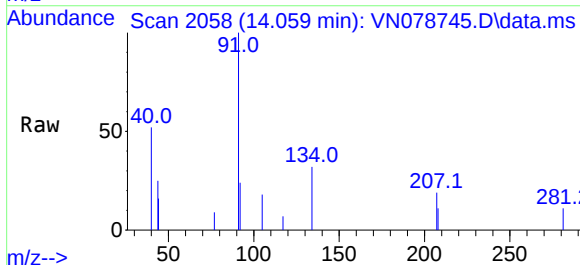
Tgt Ion: 91 Resp: 3327

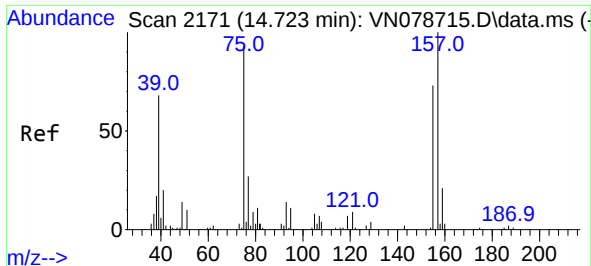
Ion Ratio Lower Upper

91 100

92 0.0 0.0 99.6

134 19.0 0.0 50.0

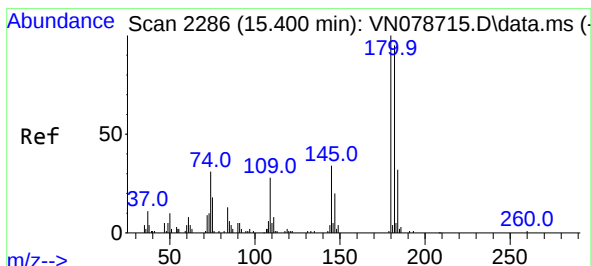
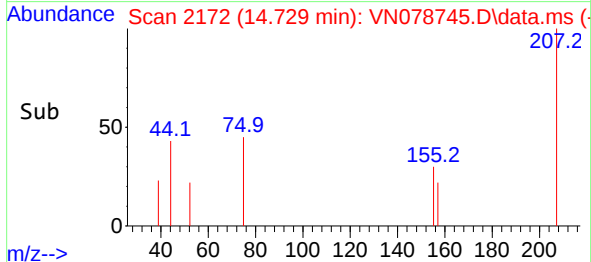
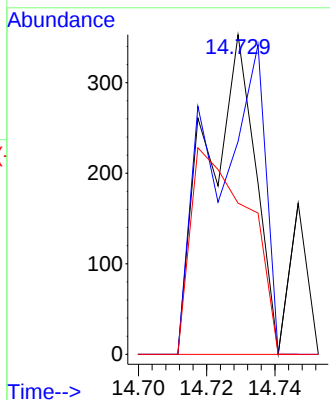
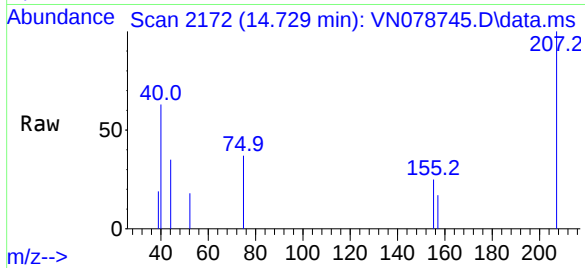




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.263 ug/l
RT: 14.729 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

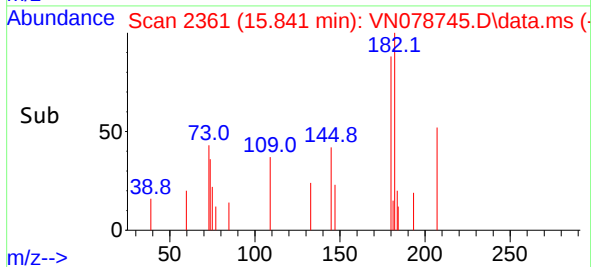
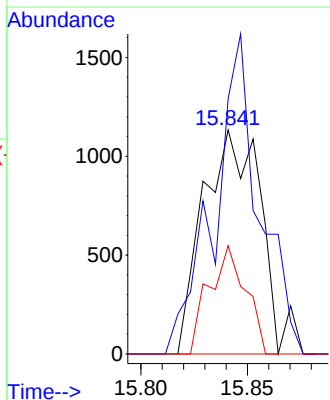
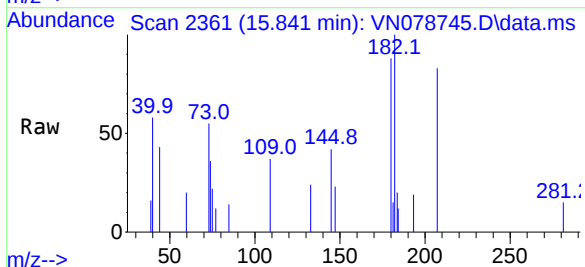
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL01

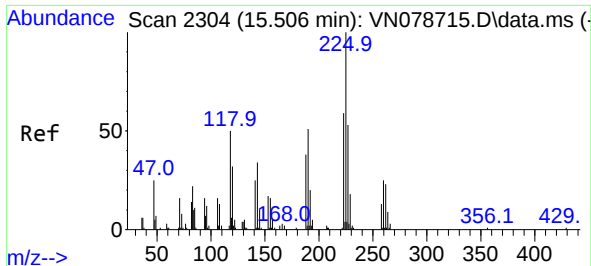
Tgt Ion: 75 Resp: 349
Ion Ratio Lower Upper
75 100
155 58.5 68.2 102.2#
157 0.0 84.7 127.1#



#89
1,2,4-Trichlorobenzene
Concen: 0.741 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.441 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

Tgt Ion: 180 Resp: 2068
Ion Ratio Lower Upper
180 100
182 102.1 73.7 110.5
145 31.7 25.0 37.6

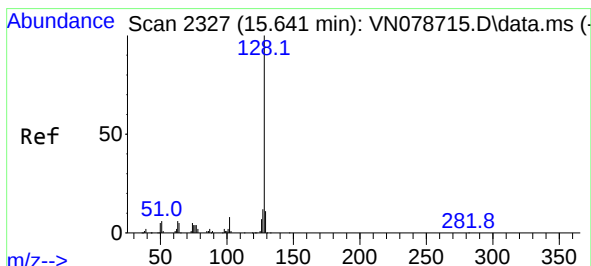
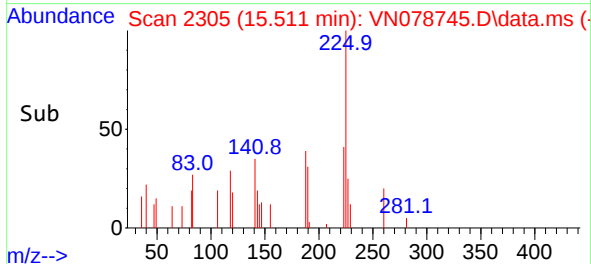
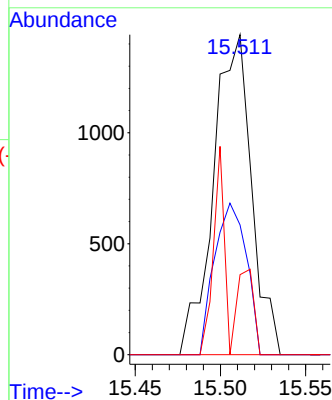
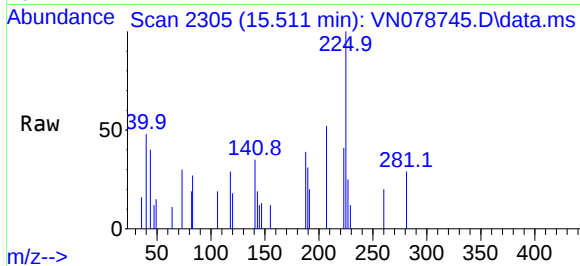




#90
Hexachlorobutadiene
Concen: 1.056 ug/l
RT: 15.511 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

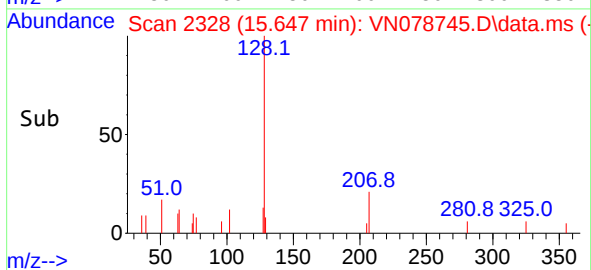
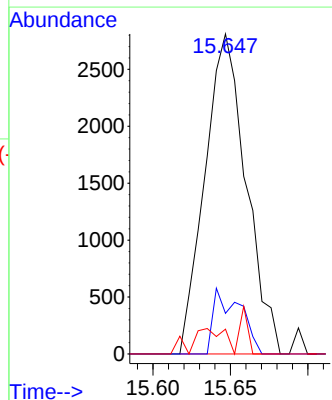
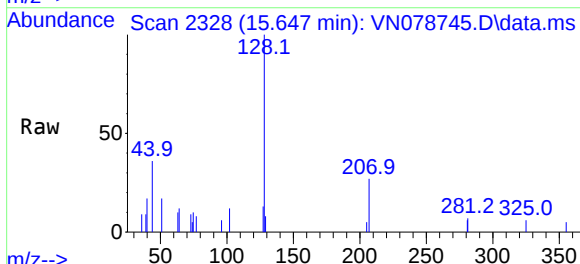
Instrument :
MSVOA_N
ClientSampleId :
VN0803WBL01

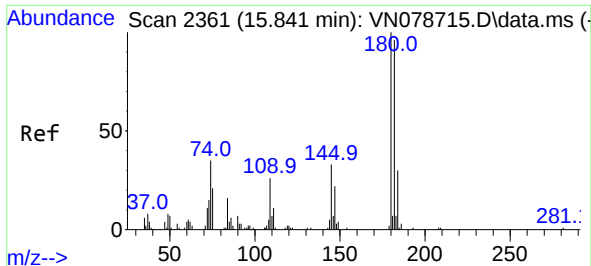
Tgt Ion:	225	Resp:	2243
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	130.0
227	11.7	0.0	124.0



#91
Naphthalene
Concen: 0.615 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN078745.D
Acq: 03 Aug 2023 12:07

Tgt Ion:	128	Resp:	5199
Ion	Ratio	Lower	Upper
128	100		
127	7.0	10.2	15.2#
129	2.8	9.0	13.4#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.651 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN078745.D
 Acq: 03 Aug 2023 12:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBL01

Tgt Ion:	180	Resp:	2068
Ion	Ratio	Lower	Upper
180	100		
182	102.1	0.0	196.4
145	31.7	0.0	71.0

