

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092223\
 Data File : VN079330.D
 Acq On : 22 Sep 2023 10:48
 Operator : JC\MD
 Sample : VN0922WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 23 00:40:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

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

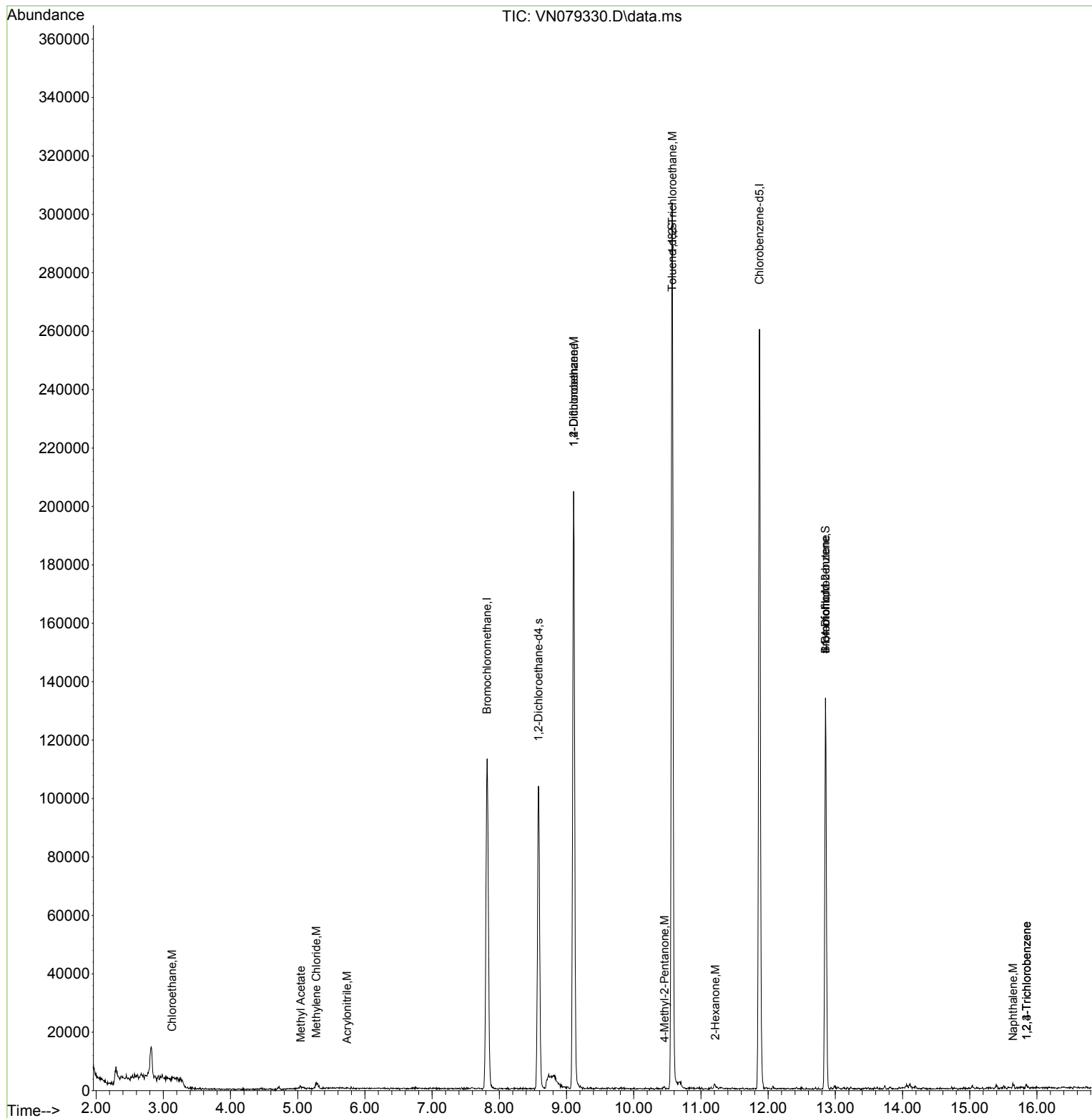
Internal Standards						
1) Bromochloromethane	7.818	128	38283	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	169506	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	152437	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	84196	29.273	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.567%
60) 4-Bromofluorobenzene	12.853	95	44279	19.714	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	65.700%
63) Toluene-d8	10.571	98	208059	29.206	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.367%
Target Compounds						
					Qvalue	
6) Chloroethane	3.130	64	308	0.237	ug/l #	50
12) Methyl Acetate	5.048	43	693	0.221	ug/l #	50
14) Acrylonitrile	5.736	53	294	0.319	ug/l #	17
18) Methylene Chloride	5.277	84	1007	0.558	ug/l #	81
36) 1,2-Dichloroethane	9.106	62	6529	2.293	ug/l #	73
50) 1,1,2-Trichloroethane	10.577	97	7114	3.452	ug/l #	1
56) Bromoform	12.853	173	319	0.212	ug/l #	1
58) 4-Methyl-2-Pentanone	10.459	43	828	0.296	ug/l #	57
59) 2-Hexanone	11.212	43	1145	0.583	ug/l #	87
77) t-1,4-Dichloro-2-butene	12.853	75	26108	28.581	ug/l #	14
89) 1,2,4-Trichlorobenzene	15.847	180	491	0.356	ug/l #	70
91) Naphthalene	15.647	128	1950	0.540	ug/l #	70
92) 1,2,3-Trichlorobenzene	15.847	180	491	0.356	ug/l #	70

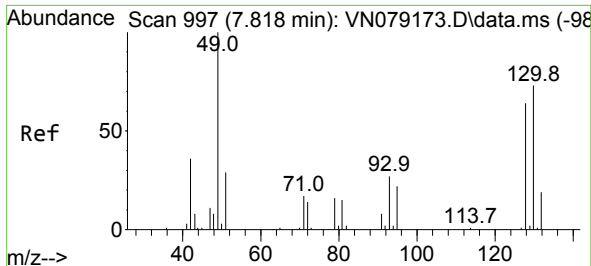
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092223\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 23 00:40:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
Response via : Initial Calibration

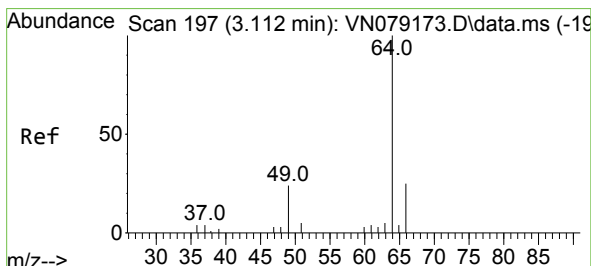
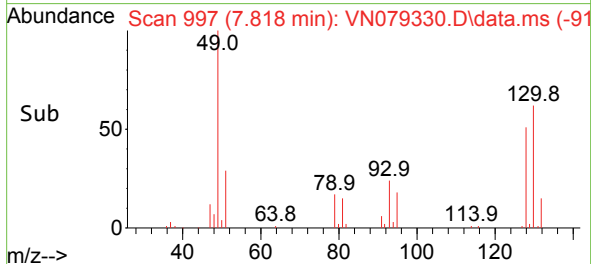
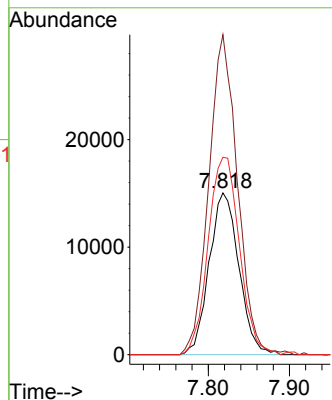
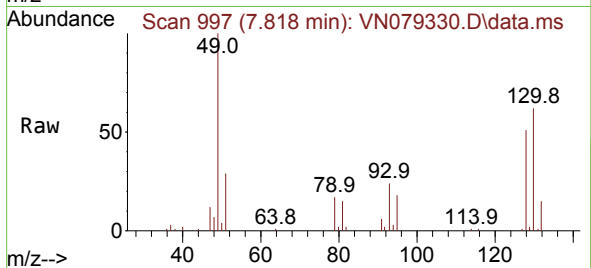




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48

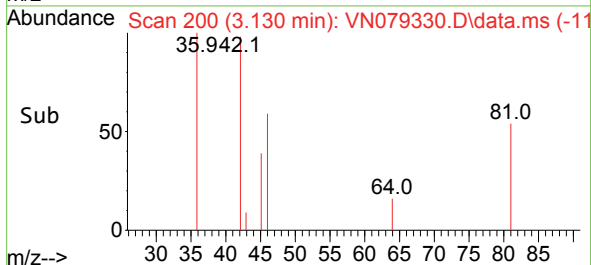
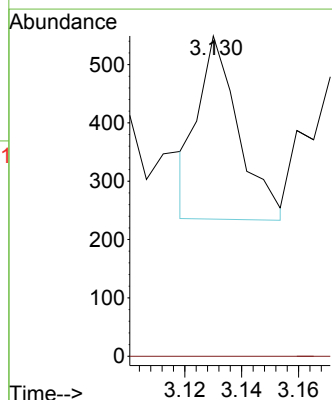
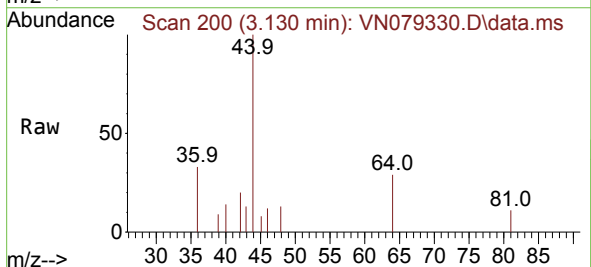
Instrument :
MSVOA_N
ClientSampleId :

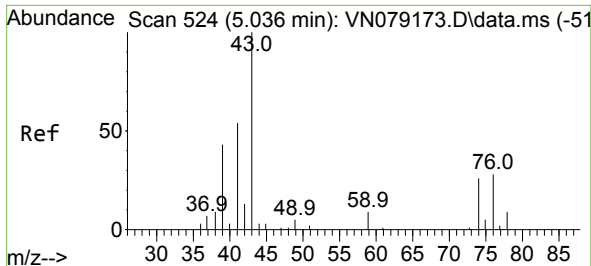
Tgt Ion:128 Resp: 38283
Ion Ratio Lower Upper
128 100
49 190.2 0.0 414.3
130 128.6 0.0 311.0



#6
Chloroethane
Concen: 0.237 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.018 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48

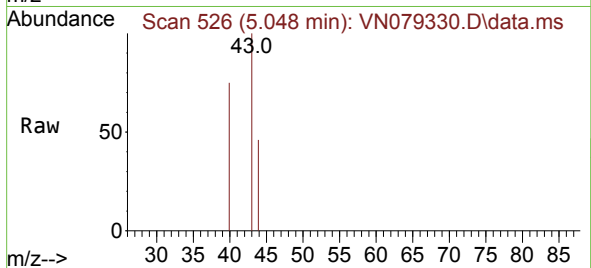
Tgt Ion: 64 Resp: 308
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#



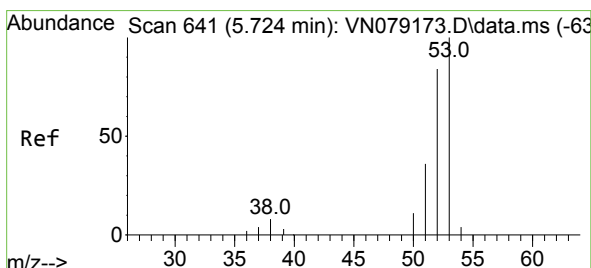
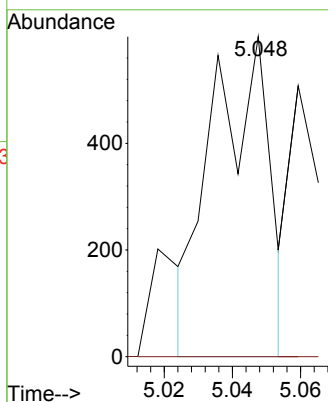
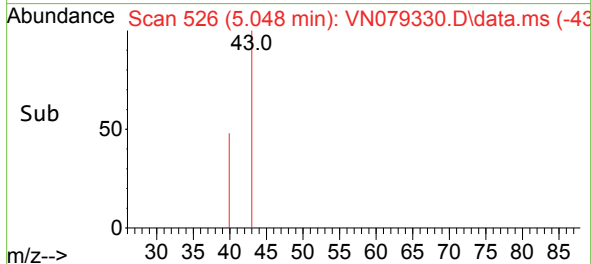


#12
Methyl Acetate
Concen: 0.221 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :

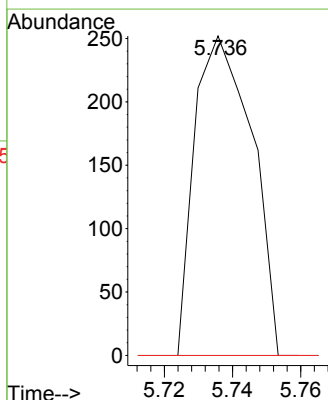
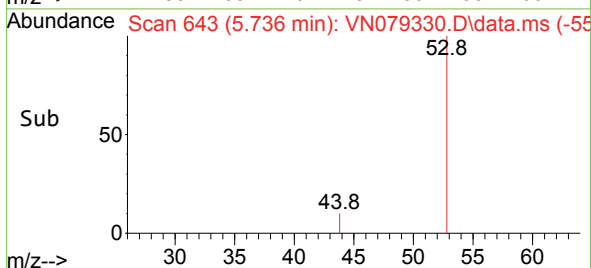
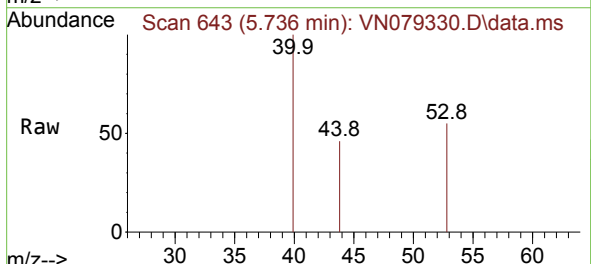


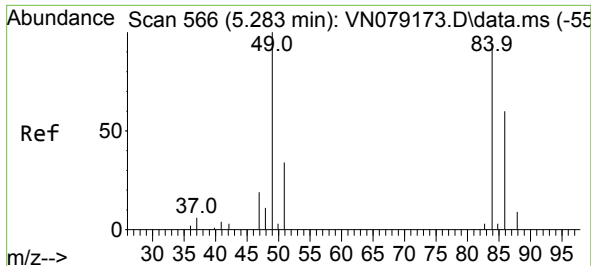
Tgt Ion: 43 Resp: 693
Ion Ratio Lower Upper
43 100
74 0.0 20.4 30.6#



#14
Acrylonitrile
Concen: 0.319 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.012 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48

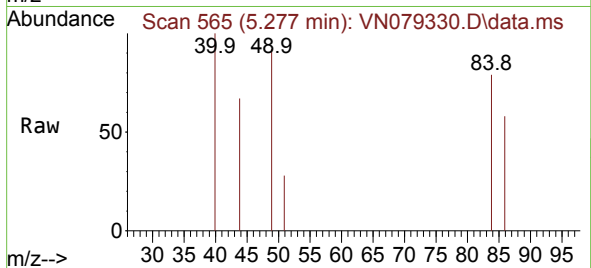
Tgt Ion: 53 Resp: 294
Ion Ratio Lower Upper
53 100
52 0.0 41.4 124.4#
51 0.0 17.3 51.9#



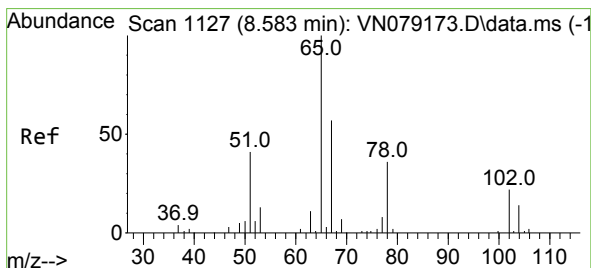
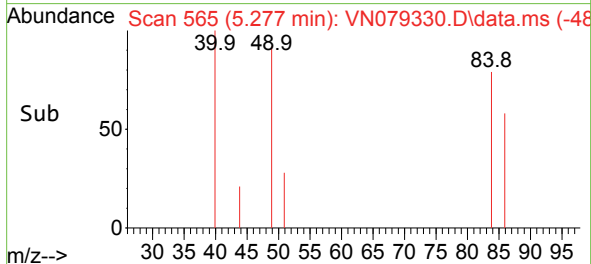
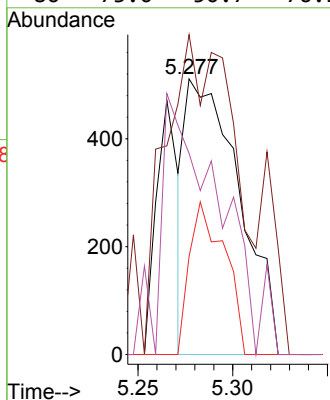


#18
Methylene Chloride
Concen: 0.558 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :

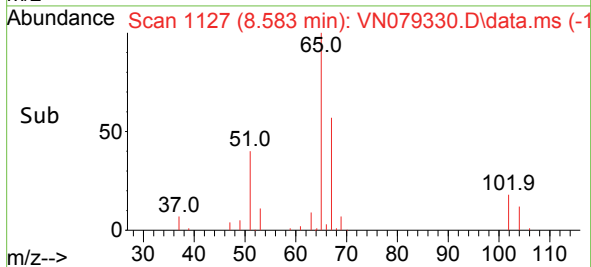
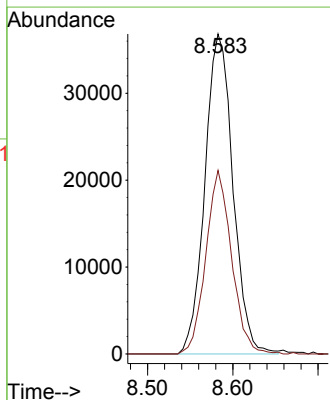
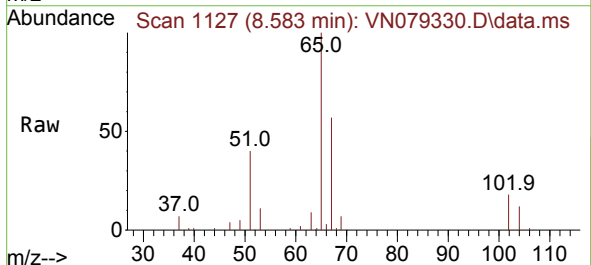


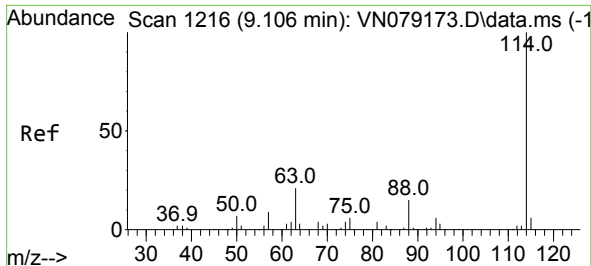
Tgt Ion: 84 Resp: 1007
Ion Ratio Lower Upper
84 100
49 77.5 86.9 130.3#
51 35.6 28.6 43.0
86 73.0 50.7 76.1



#27
1,2-Dichloroethane-d4
Concen: 29.273 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48

Tgt Ion: 65 Resp: 84196
Ion Ratio Lower Upper
65 100
67 52.7 44.4 66.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079330.D

Acq: 22 Sep 2023 10:48

Instrument :

MSVOA_N

ClientSampleId :

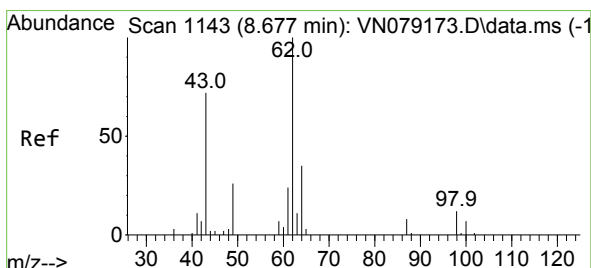
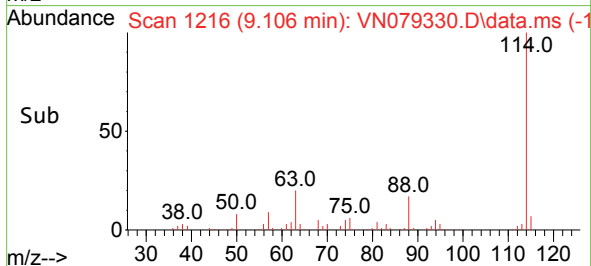
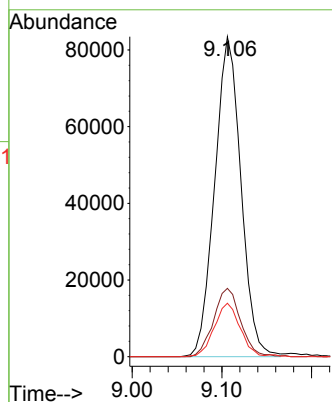
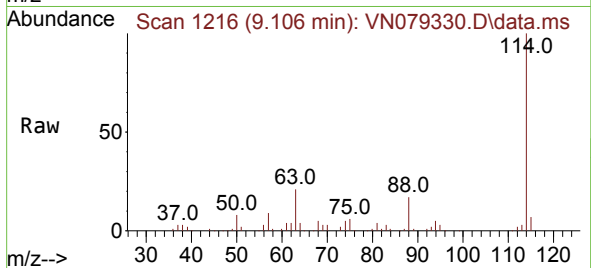
Tgt Ion:114 Resp: 169506

Ion Ratio Lower Upper

114 100

63 21.9 17.0 25.4

88 16.3 12.8 19.2



#36

1,2-Dichloroethane

Concen: 2.293 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.429 min

Lab File: VN079330.D

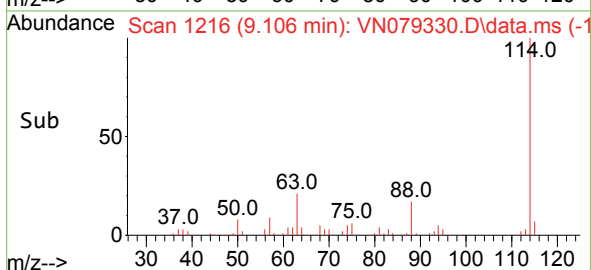
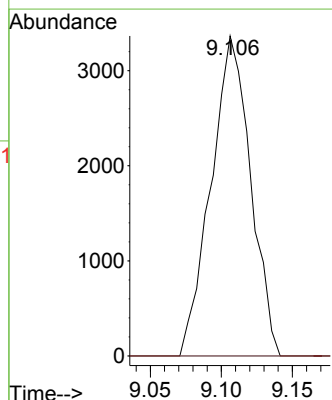
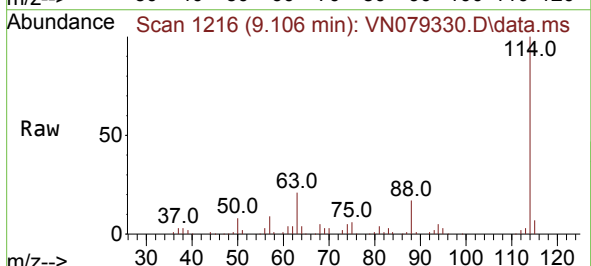
Acq: 22 Sep 2023 10:48

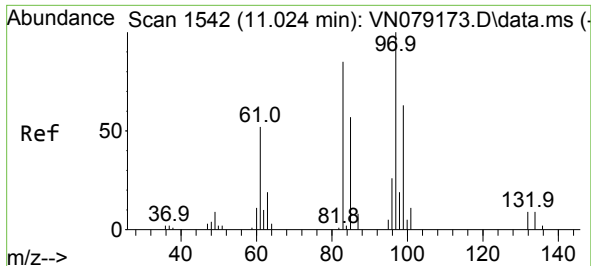
Tgt Ion: 62 Resp: 6529

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#

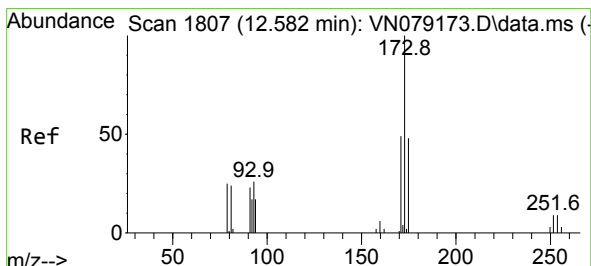
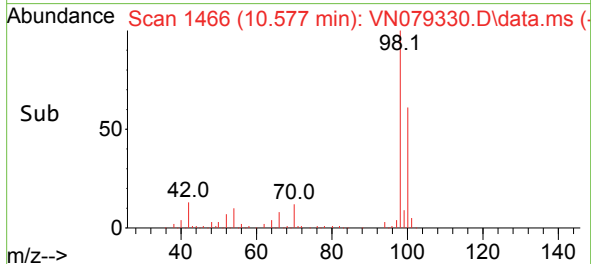
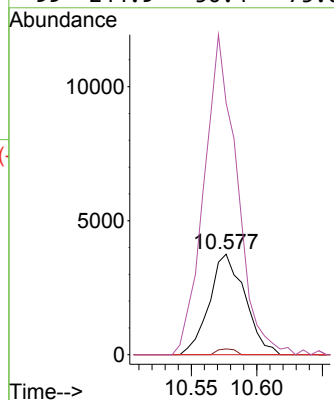
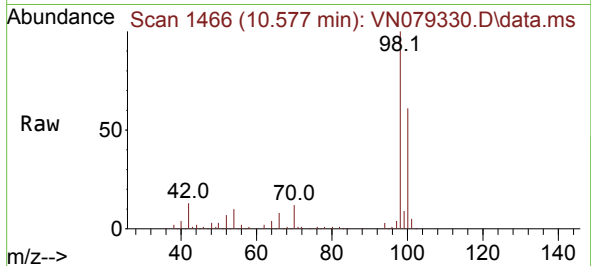




#50
1,1,2-Trichloroethane
Concen: 3.452 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.447 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48

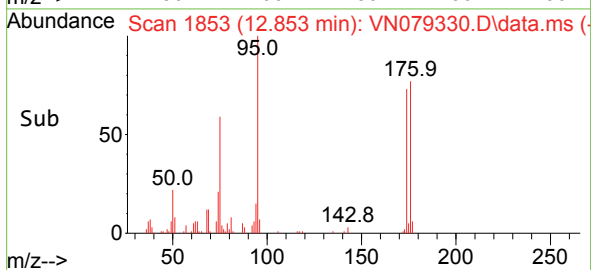
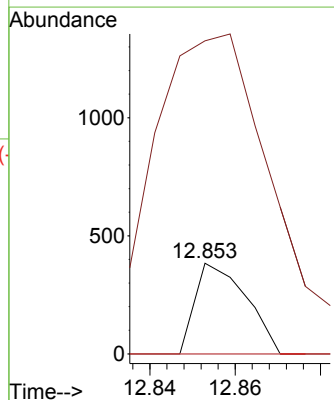
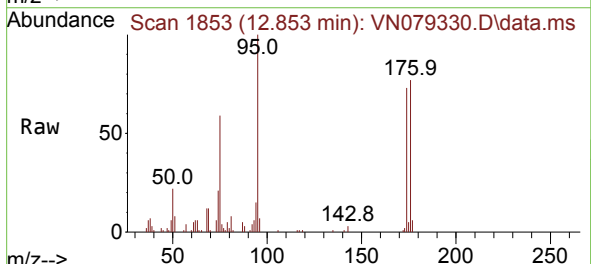
Instrument :
MSVOA_N
ClientSampleId :

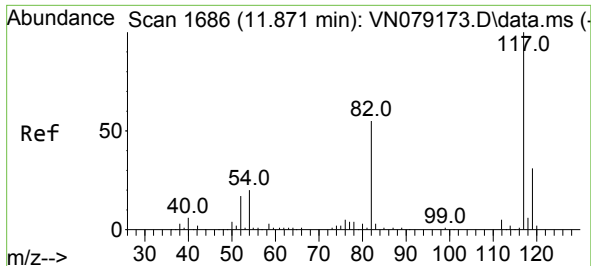
Tgt Ion:	97	Resp:	7114
Ion	Ratio	Lower	Upper
97	100		
83	5.7	68.9	103.3#
85	0.0	45.3	67.9#
99	244.9	50.4	75.6#



#56
Bromoform
Concen: 0.212 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48

Tgt Ion:	173	Resp:	319
Ion	Ratio	Lower	Upper
173	100		
175	832.0	37.6	56.4#
254	0.0	7.8	11.8#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

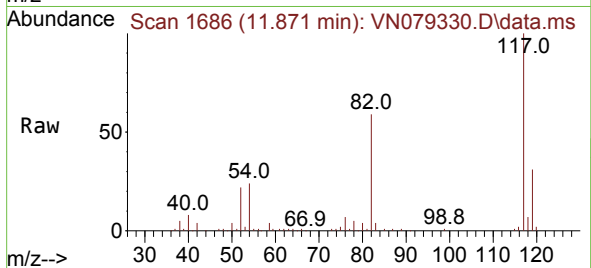
Lab File: VN079330.D

Acq: 22 Sep 2023 10:48

Instrument :

MSVOA_N

ClientSampleId :



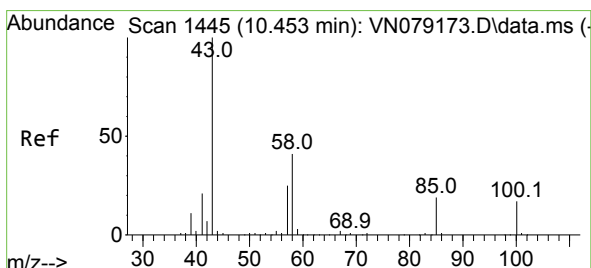
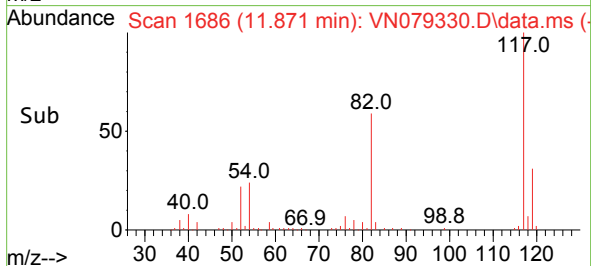
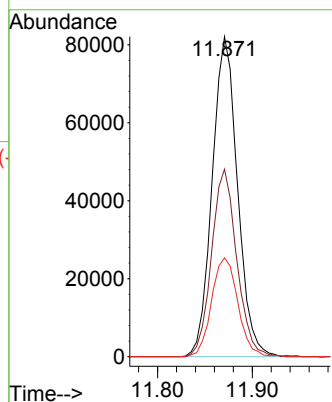
Tgt Ion:117 Resp: 152437

Ion Ratio Lower Upper

117 100

82 58.4 44.7 67.1

119 32.0 24.9 37.3



#58

4-Methyl-2-Pentanone

Concen: 0.296 ug/l

RT: 10.459 min Scan# 1446

Delta R.T. 0.006 min

Lab File: VN079330.D

Acq: 22 Sep 2023 10:48

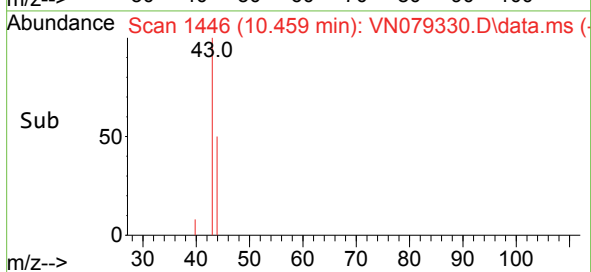
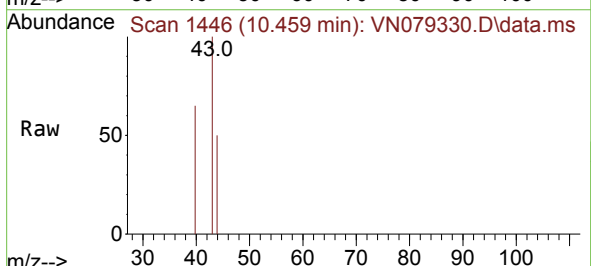
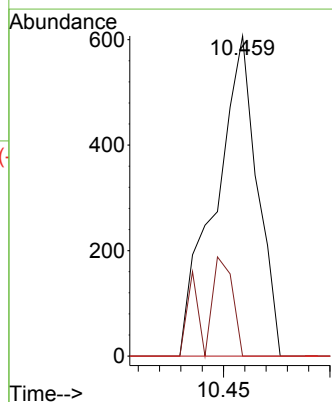
Tgt Ion: 43 Resp: 828

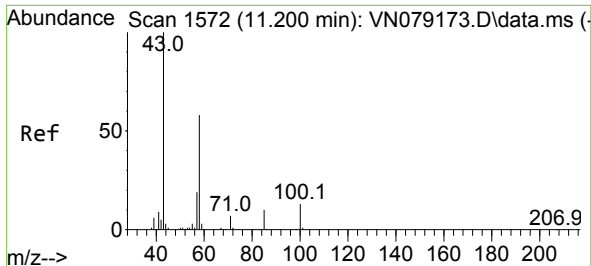
Ion Ratio Lower Upper

43 100

58 14.6 33.6 50.4#

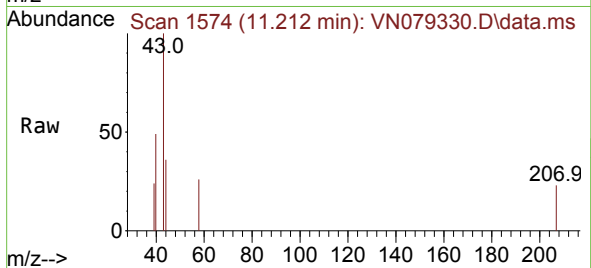
85 0.0 15.0 22.4#



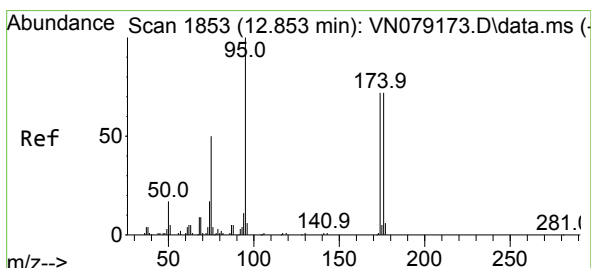
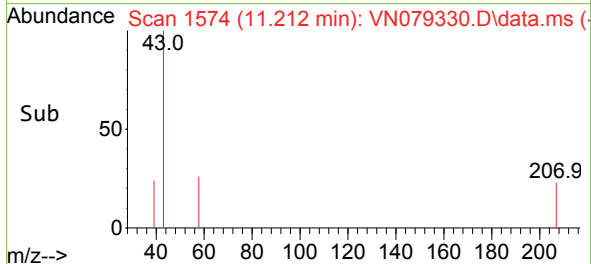
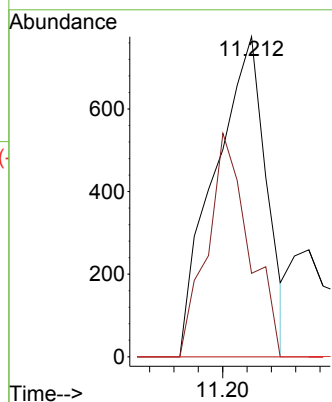


#59
2-Hexanone
Concen: 0.583 ug/l
RT: 11.212 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48

Instrument :
MSVOA_N
ClientSampleId :

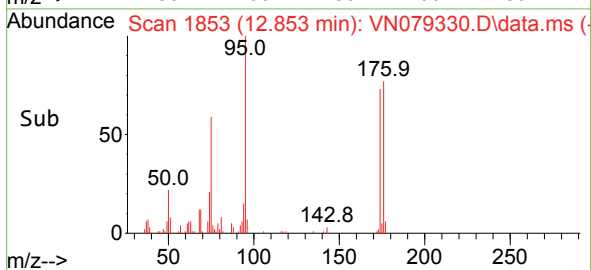
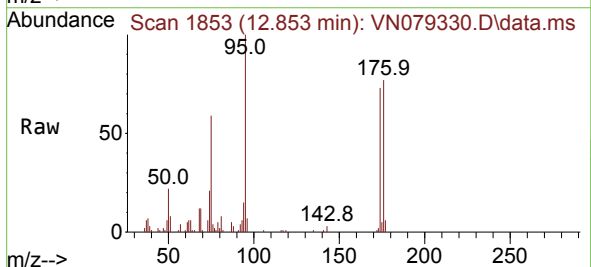
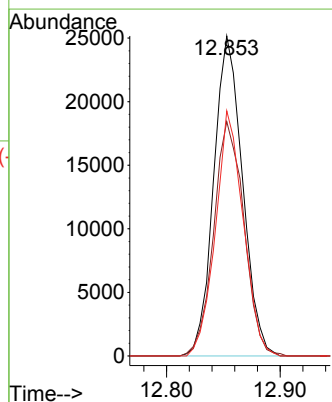


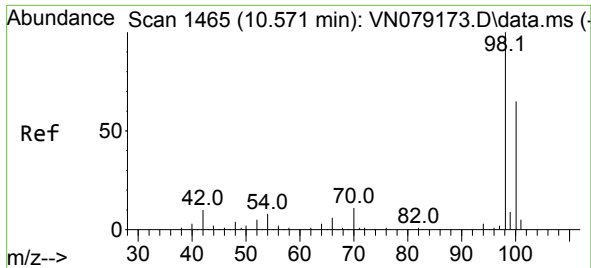
Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
58 56.0 46.4 69.6
57 0.0 15.3 22.9#



#60
4-Bromofluorobenzene
Concen: 19.714 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48

Tgt Ion: 95 Resp: 44279
Ion Ratio Lower Upper
95 100
174 76.9 59.5 89.3
176 74.2 59.1 88.7

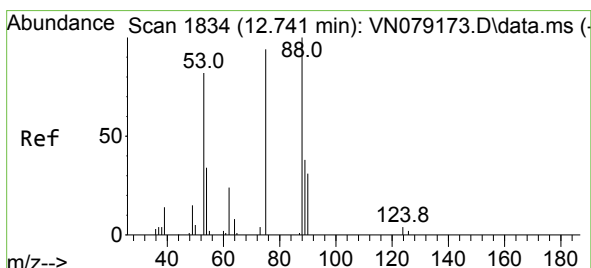
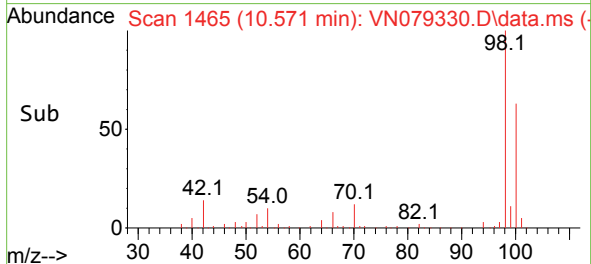
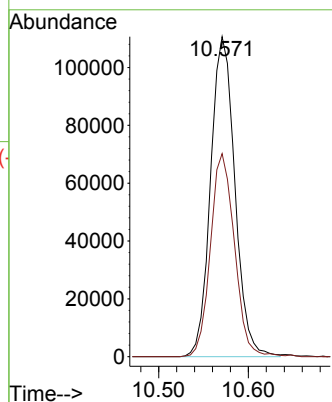
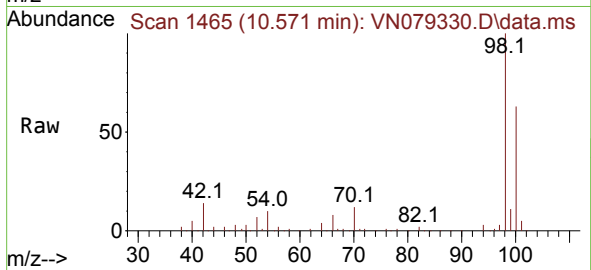




#63
Toluene-d8
Concen: 29.206 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48

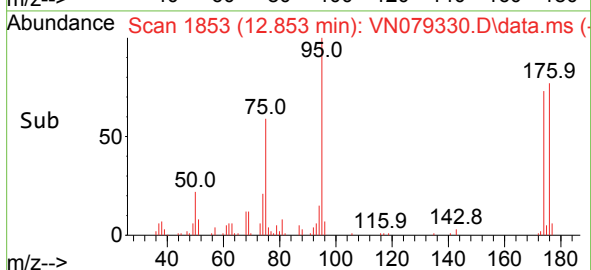
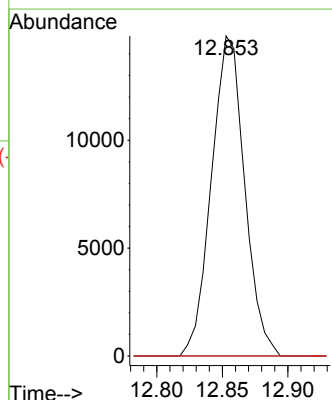
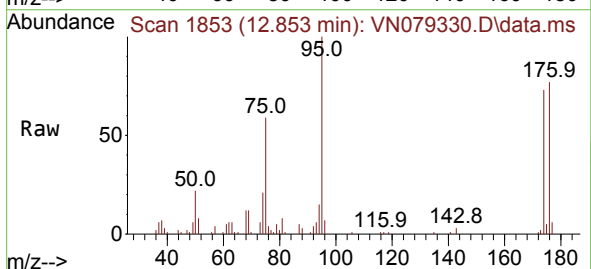
Instrument :
MSVOA_N
ClientSampleId :

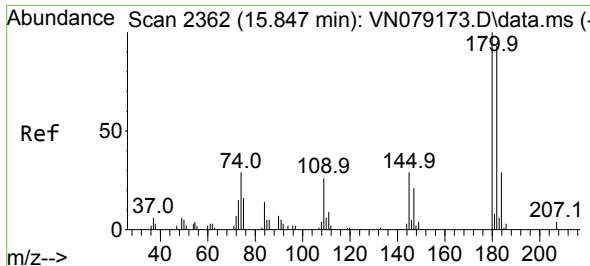
Tgt Ion: 98 Resp: 208059
Ion Ratio Lower Upper
98 100
100 62.7 52.5 78.7



#77
t-1,4-Dichloro-2-butene
Concen: 28.581 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48

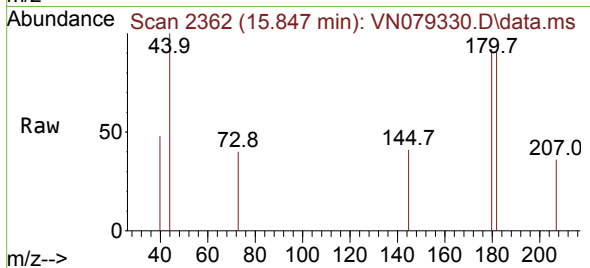
Tgt Ion: 75 Resp: 26108
Ion Ratio Lower Upper
75 100
53 0.0 44.1 132.4#
89 0.0 22.4 67.3#



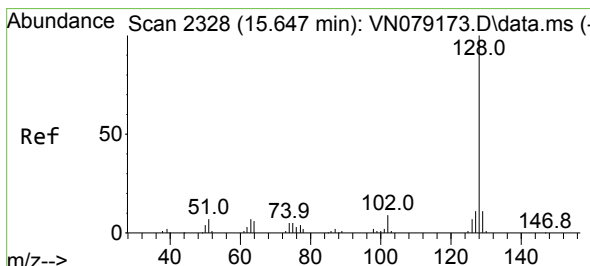
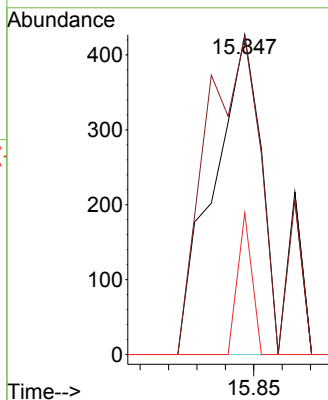
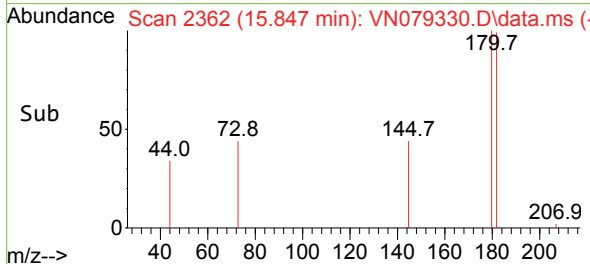


#89
1,2,4-Trichlorobenzene
Concen: 0.356 ug/l
RT: 15.847 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48

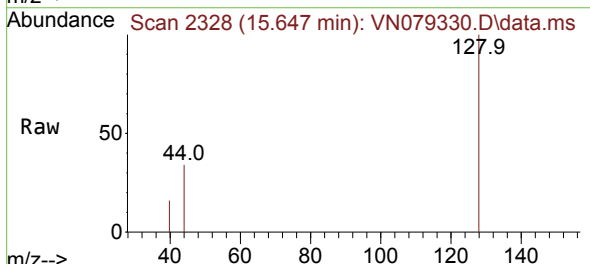
Instrument :
MSVOA_N
ClientSampleId :



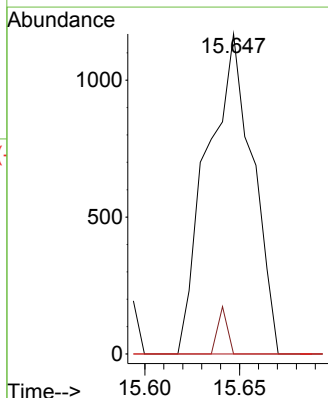
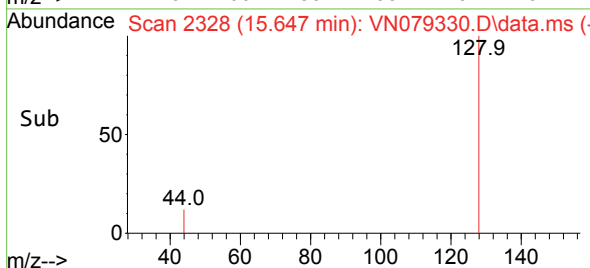
Tgt Ion:180 Resp: 491
Ion Ratio Lower Upper
180 100
182 112.8 74.5 111.7#
145 0.0 26.2 39.2#

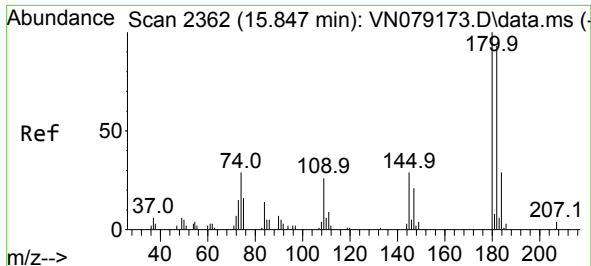


#91
Naphthalene
Concen: 0.540 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079330.D
Acq: 22 Sep 2023 10:48



Tgt Ion:128 Resp: 1950
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 0.0 8.5 12.7#





#92

1,2,3-Trichlorobenzene

Concen: 0.356 ug/l

RT: 15.847 min Scan# 21

Delta R.T. -0.000 min

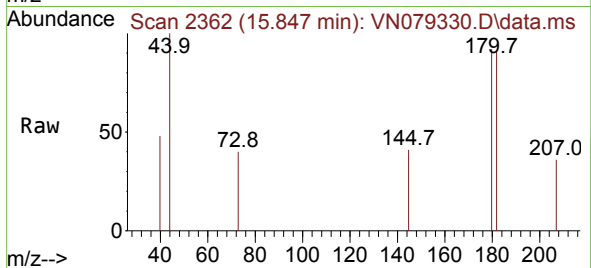
Lab File: VN079330.D

Acq: 22 Sep 2023 10:48

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 491

Ion Ratio Lower Upper

180 100

182 112.8 0.0 186.2

145 0.0 0.0 65.4

