

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079810.D
 Acq On : 02 Nov 2023 20:21
 Operator : JC\MD
 Sample : 05217-02 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 03 04:06:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	213077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	423904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	429976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	166551	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	192266	59.226	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.460%
35) Dibromofluoromethane	8.171	113	163869	54.619	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.240%
50) Toluene-d8	10.571	98	557555	50.481	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.960%
62) 4-Bromofluorobenzene	12.853	95	180923	49.391	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.780%

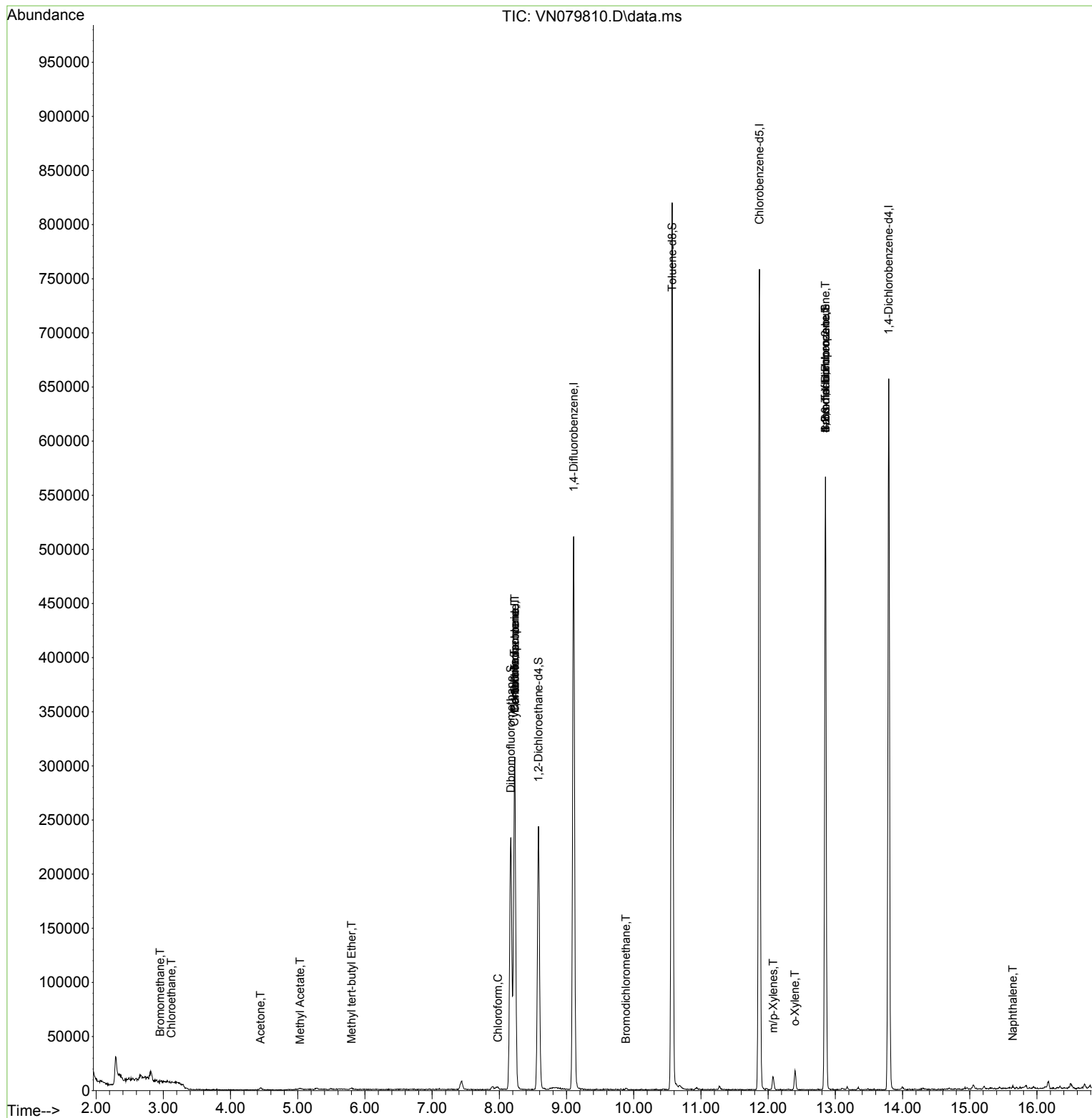
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.359	50	1453	Below Cal	#	87
5) Bromomethane	2.954	94	503	0.246	ug/l #	4
6) Chloroethane	3.118	64	636	0.240	ug/l #	43
16) Acetone	4.448	43	3736	3.276	ug/l	99
18) Methyl Acetate	5.036	43	1746	0.320	ug/l #	55
19) Methyl tert-butyl Ether	5.800	73	1905	0.241	ug/l #	83
30) Chloroform	7.977	83	2517	0.468	ug/l #	81
31) Cyclohexane	8.224	56	6069	1.415	ug/l #	34
36) 1,1-Dichloropropene	8.230	75	19248	4.493	ug/l #	47
38) Carbon Tetrachloride	8.230	117	22341	5.175	ug/l #	17
47) Bromodichloromethane	9.883	83	1006	0.211	ug/l #	92
68) m/p-Xylenes	12.076	106	3825	0.632	ug/l	94
69) o-Xylene	12.400	106	4980	0.854	ug/l	98
71) Bromoform	12.853	173	1074	0.450	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	102431	26.196	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	102431	71.274	ug/l #	15
95) Naphthalene	15.641	128	2648	0.302	ug/l #	89

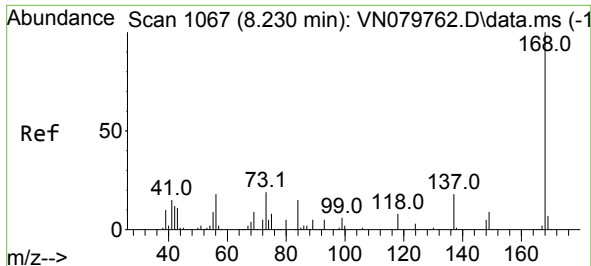
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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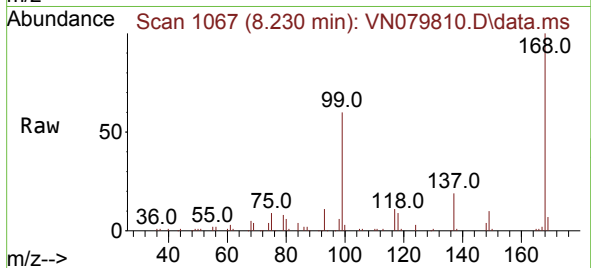
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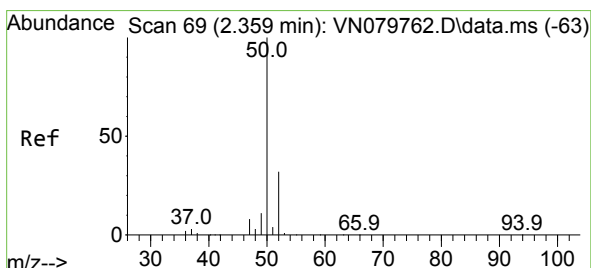
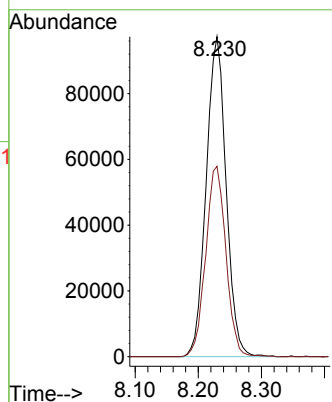
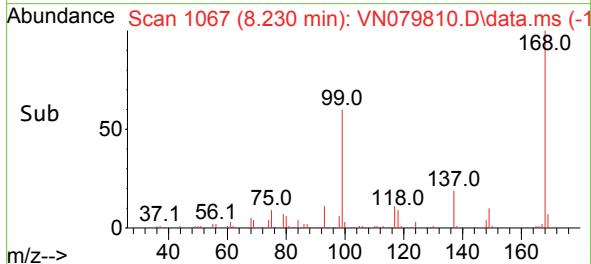


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

Instrument :
MSVOA_N
ClientSampleId :

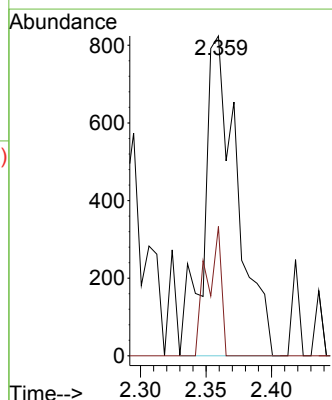
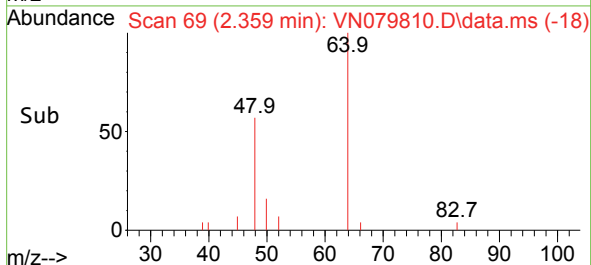
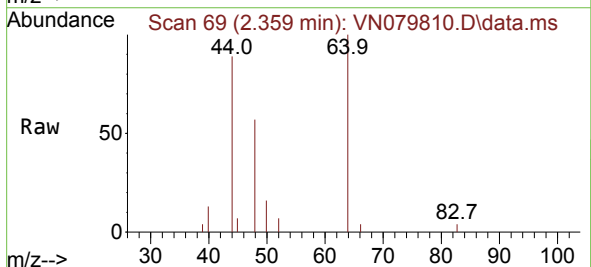


Tgt Ion:168 Resp: 213077
Ion Ratio Lower Upper
168 100
99 59.5 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

Tgt Ion: 50 Resp: 1453
Ion Ratio Lower Upper
50 100
52 40.4 26.5 39.7#

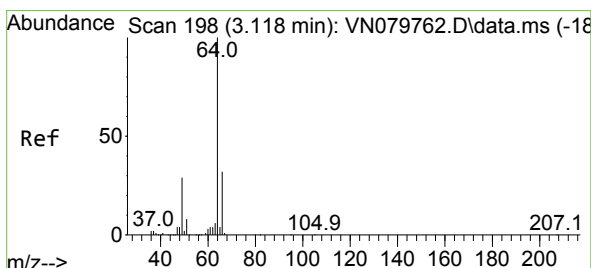
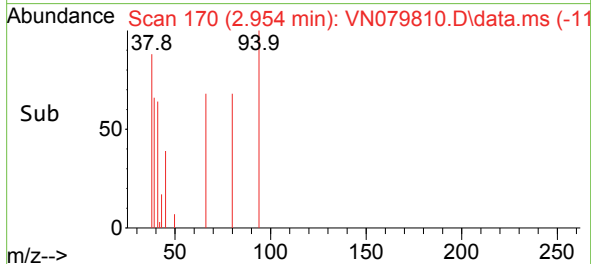
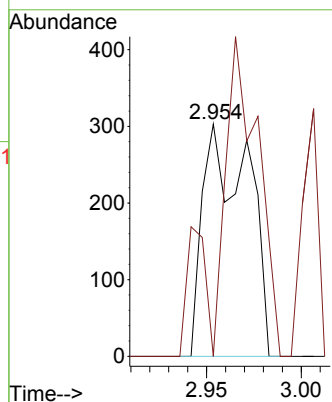
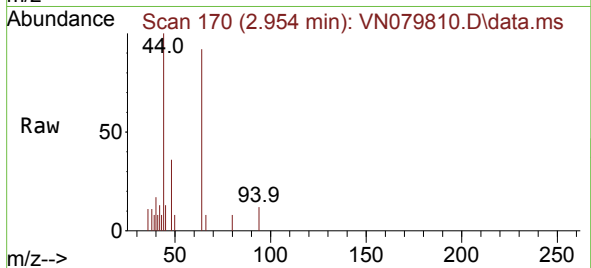




#5
Bromomethane
Concen: 0.246 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

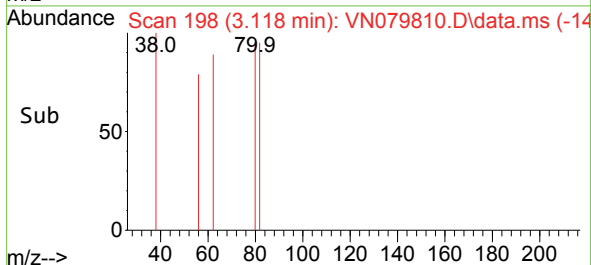
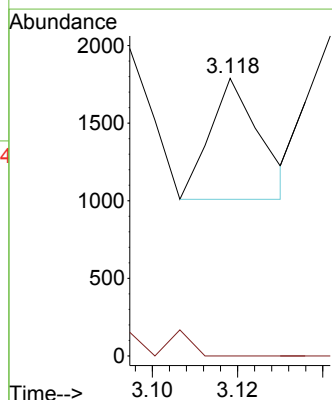
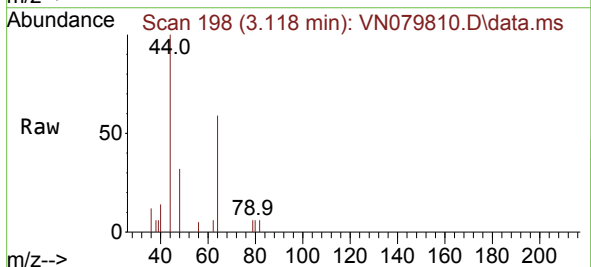
Instrument :
MSVOA_N
ClientSampleId :

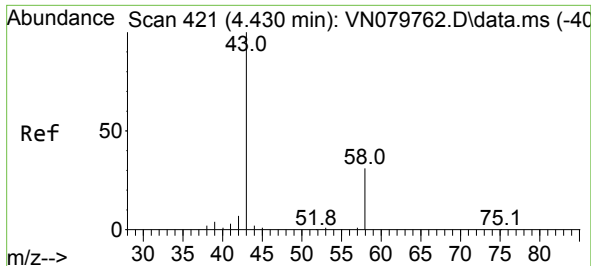
Tgt Ion: 94 Resp: 503
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: 0.240 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

Tgt Ion: 64 Resp: 636
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

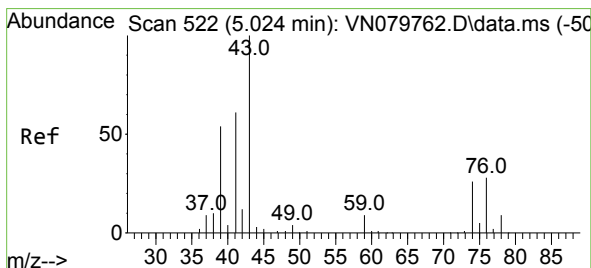
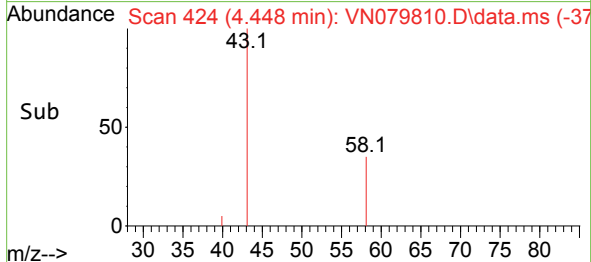
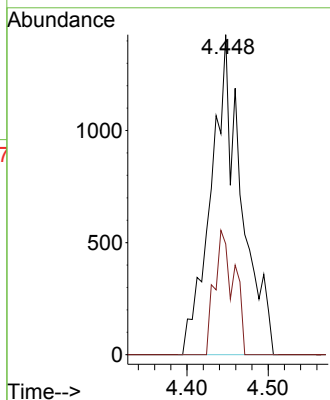
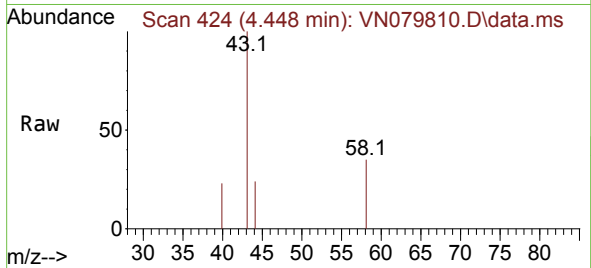




#16
Acetone
Concen: 3.276 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

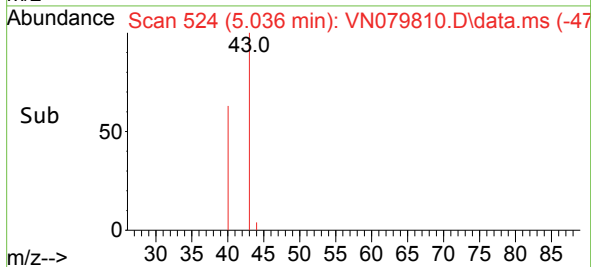
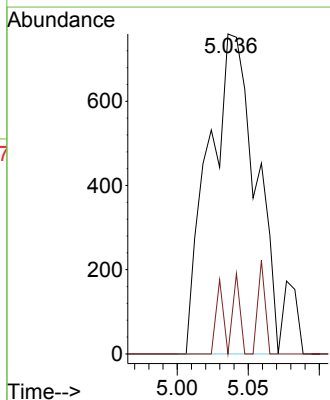
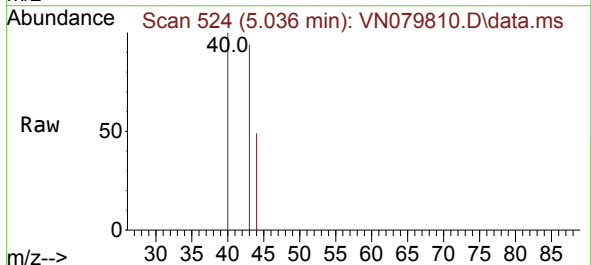
Instrument :
MSVOA_N
ClientSampleId :

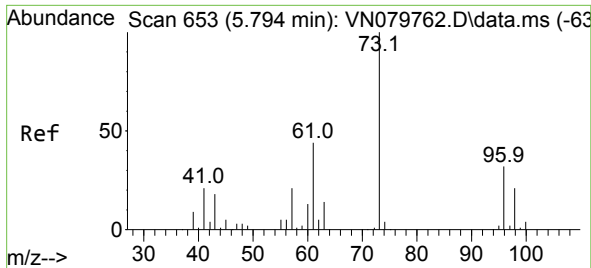
Tgt Ion: 43 Resp: 3736
Ion Ratio Lower Upper
43 100
58 34.6 28.0 42.0



#18
Methyl Acetate
Concen: 0.320 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

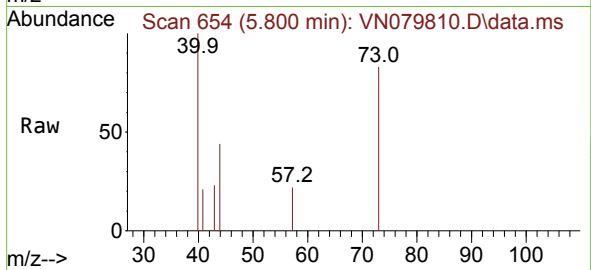
Tgt Ion: 43 Resp: 1746
Ion Ratio Lower Upper
43 100
74 7.4 26.2 39.4#



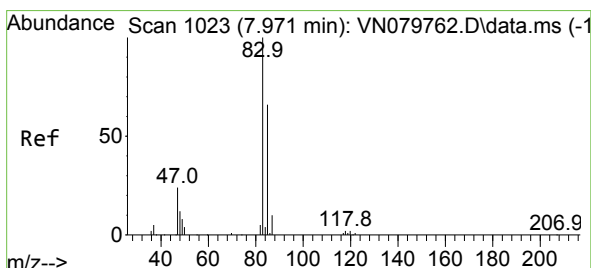
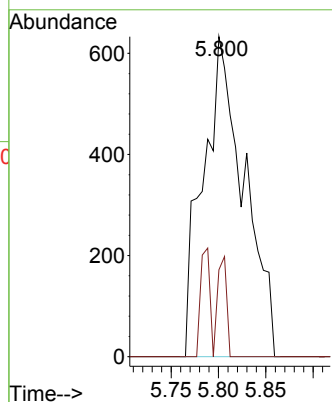
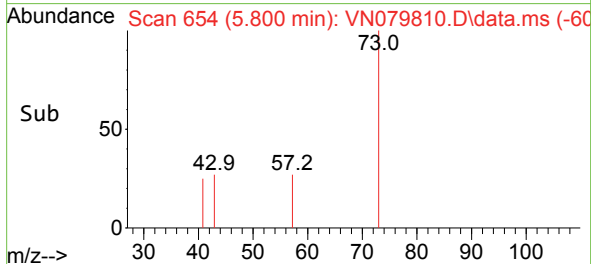


#19
Methyl tert-butyl Ether
Concen: 0.241 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

Instrument :
MSVOA_N
ClientSampleId :

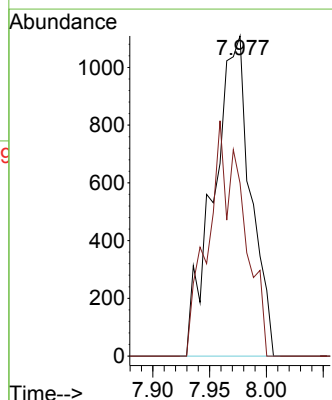
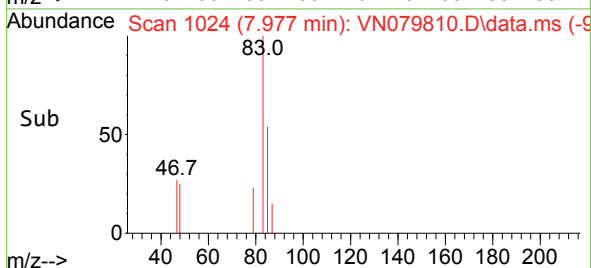
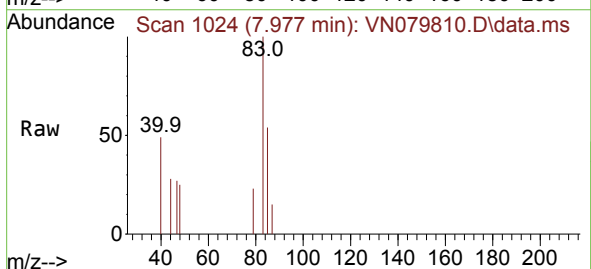


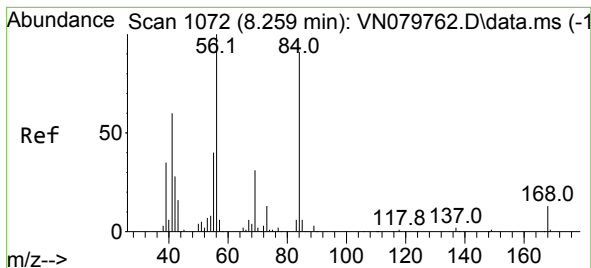
Tgt Ion: 73 Resp: 1905
Ion Ratio Lower Upper
73 100
57 27.2 15.6 23.4#



#30
Chloroform
Concen: 0.468 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.006 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

Tgt Ion: 83 Resp: 2517
Ion Ratio Lower Upper
83 100
85 54.0 55.4 83.0#





#31

Cyclohexane

Concen: 1.415 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

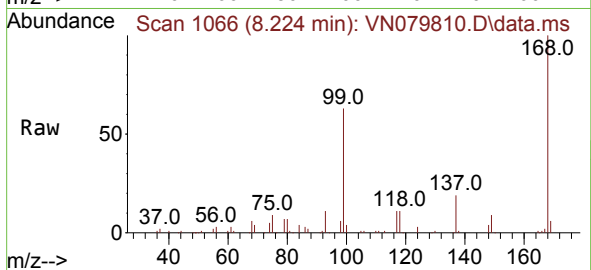
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Acq: 02 Nov 2023 20:21

Instrument :

MSVOA_N

ClientSampleId :



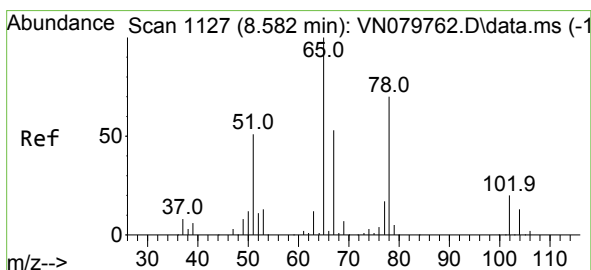
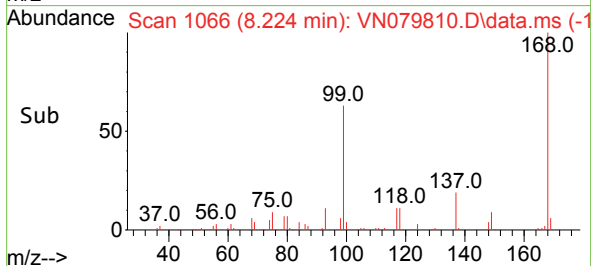
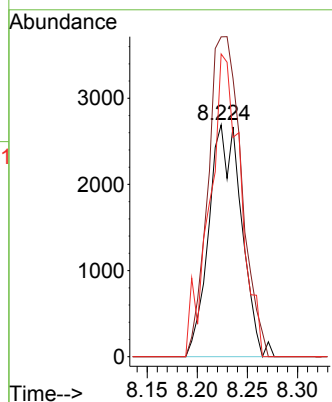
Tgt Ion: 56 Resp: 6069

Ion Ratio Lower Upper

56 100

69 138.0 26.8 40.2#

84 130.6 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 59.226 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079810.D

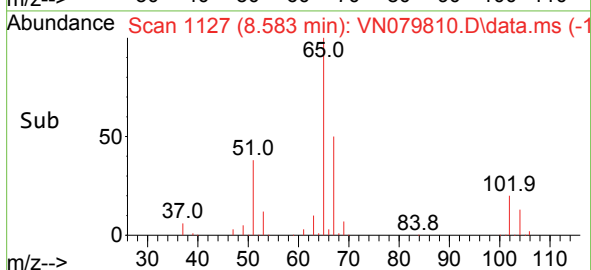
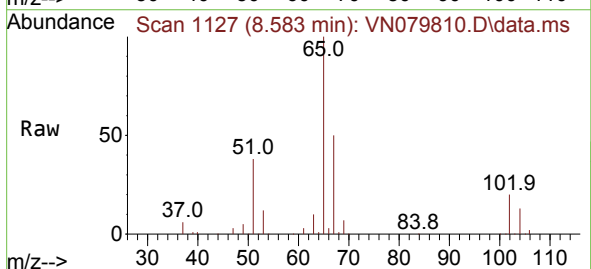
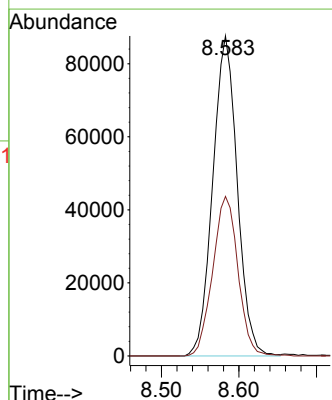
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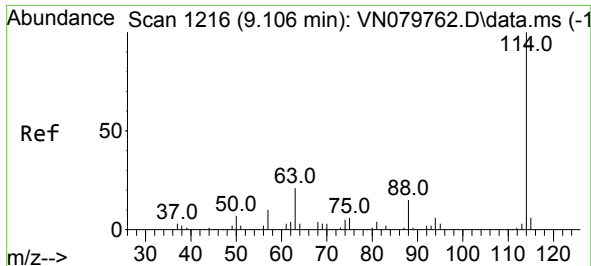
Tgt Ion: 65 Resp: 192266

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079810.D

Acq: 02 Nov 2023 20:21

Instrument :

MSVOA_N

ClientSampleId :

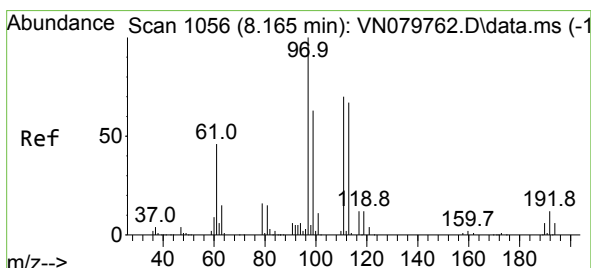
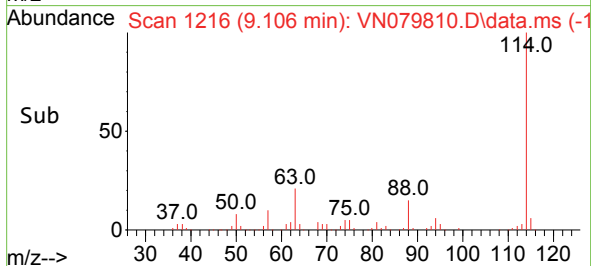
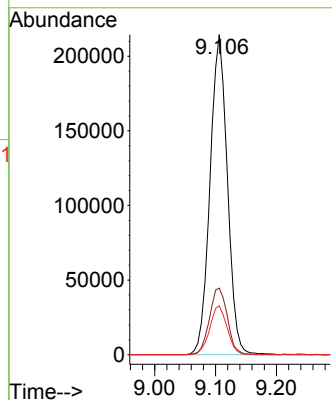
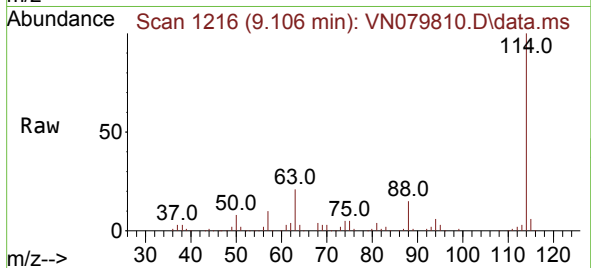
Tgt Ion:114 Resp: 423904

Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.619 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079810.D

Acq: 02 Nov 2023 20:21

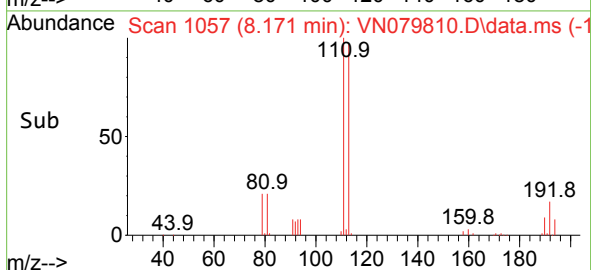
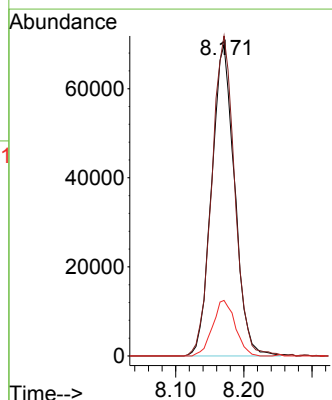
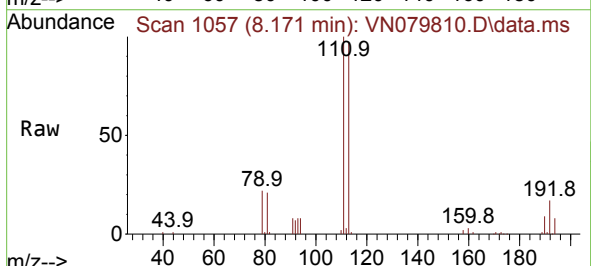
Tgt Ion:113 Resp: 163869

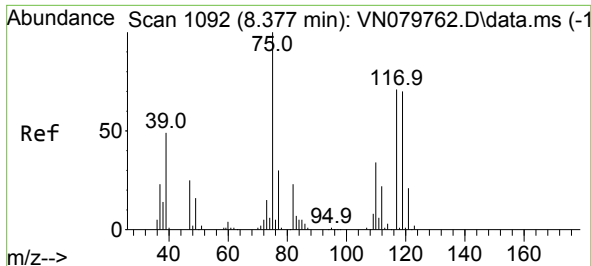
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 17.6 12.7 19.1

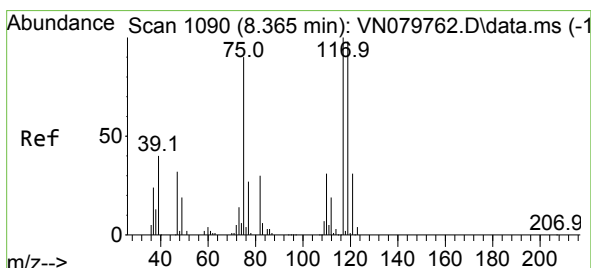
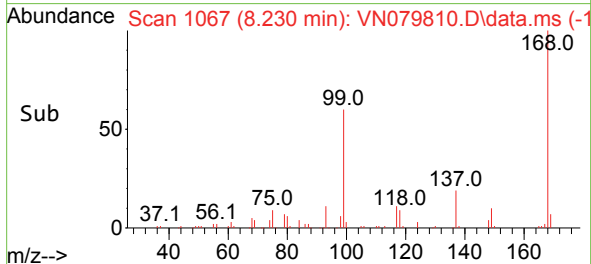
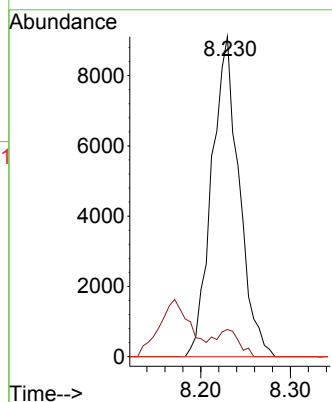
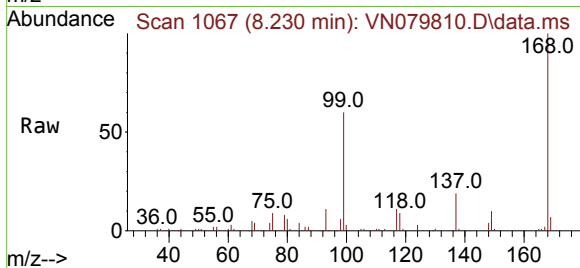




#36
1,1-Dichloropropene
Concen: 4.493 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

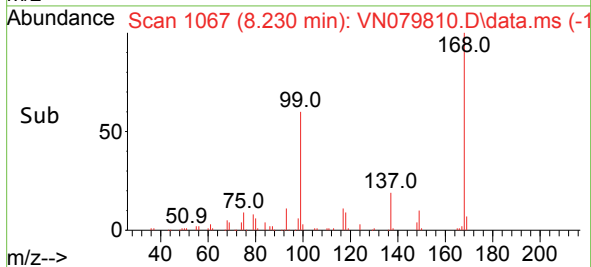
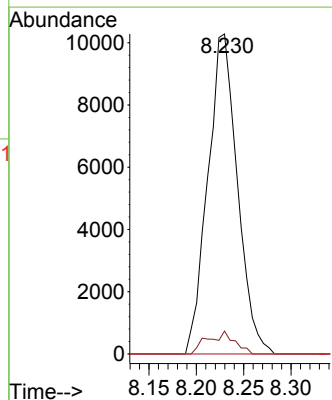
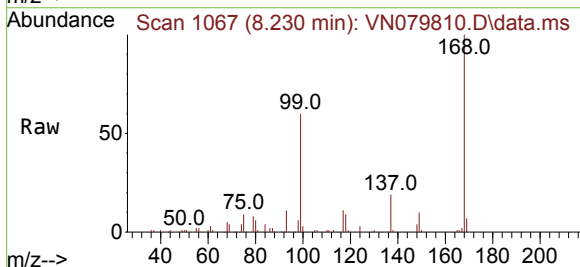
Instrument :
MSVOA_N
ClientSampleId :

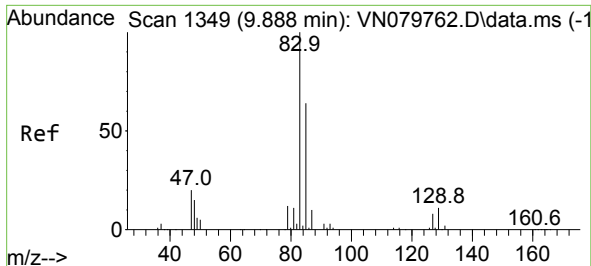
Tgt Ion: 75 Resp: 19248
Ion Ratio Lower Upper
75 100
110 7.6 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.175 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

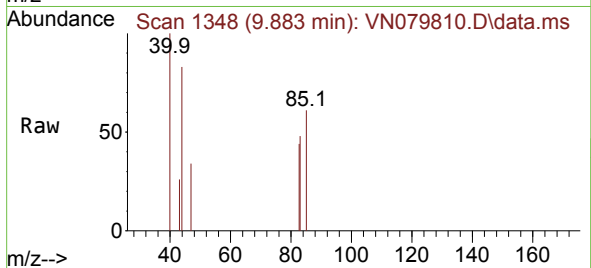
Tgt Ion: 117 Resp: 22341
Ion Ratio Lower Upper
117 100
119 7.2 77.3 115.9#
121 0.0 23.3 34.9#



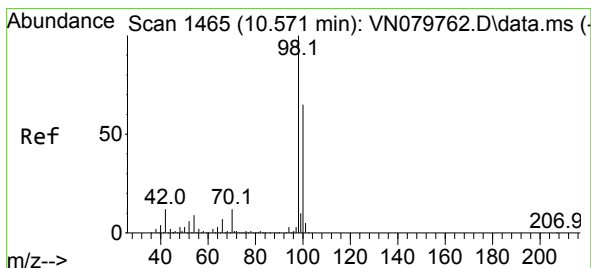
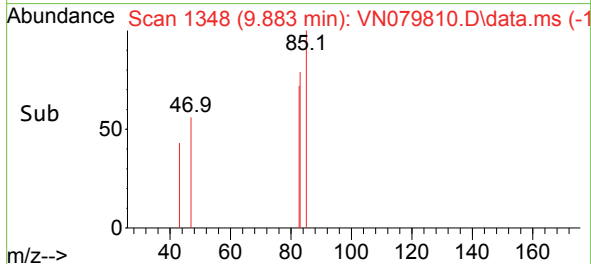
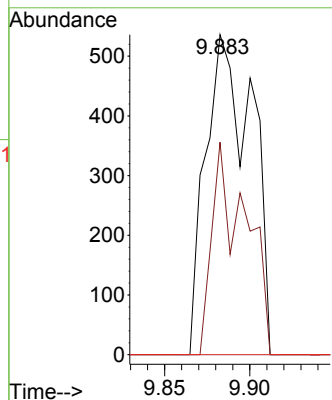


#47
Bromodichloromethane
Concen: 0.211 ug/l
RT: 9.883 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

Instrument :
MSVOA_N
ClientSampleId :

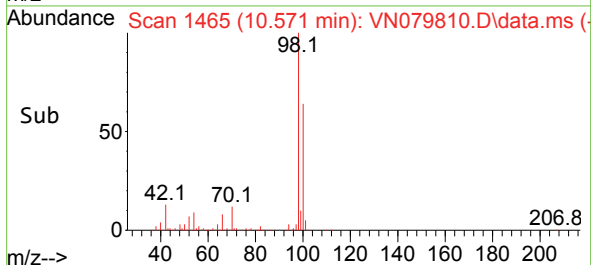
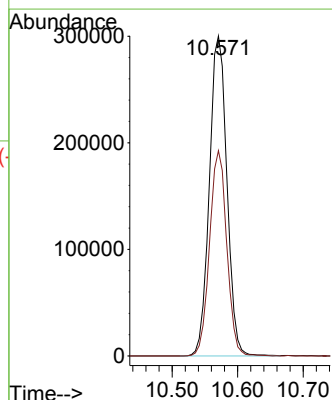
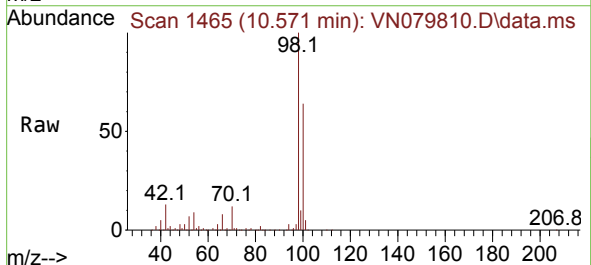


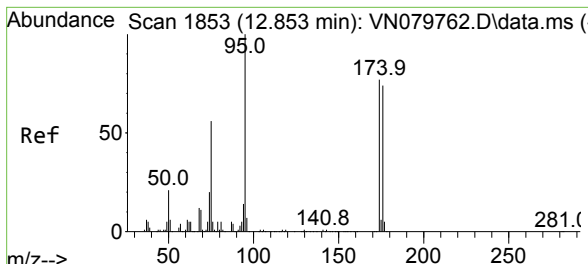
Tgt Ion: 83 Resp: 1006
Ion Ratio Lower Upper
83 100
85 66.4 49.6 74.4
127 0.0 7.0 10.6#



#50
Toluene-d8
Concen: 50.481 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

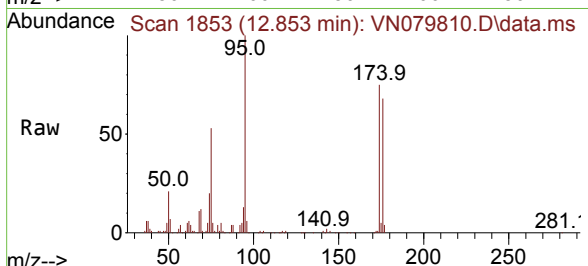
Tgt Ion: 98 Resp: 557555
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0



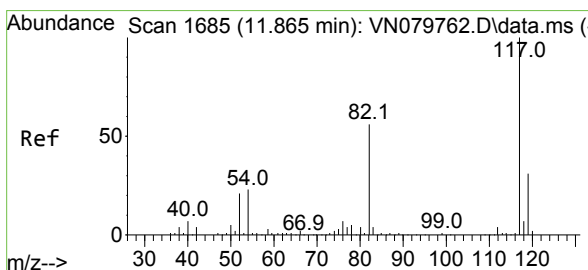
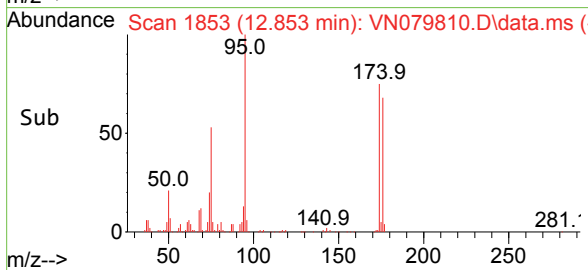
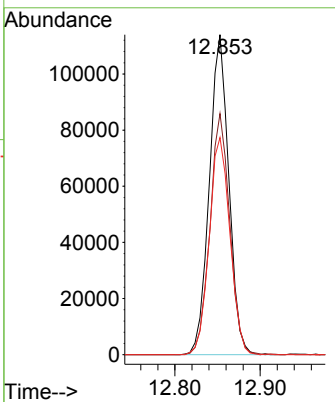


#62
 4-Bromofluorobenzene
 Concen: 49.391 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079810.D
 Acq: 02 Nov 2023 20:21

Instrument :
 MSVOA_N
 ClientSampleId :

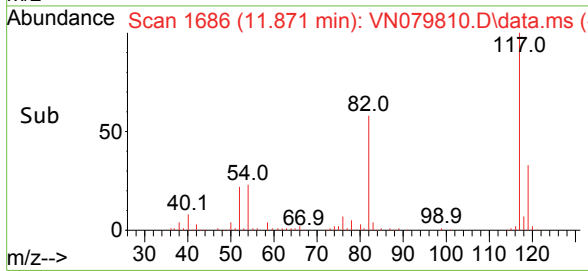
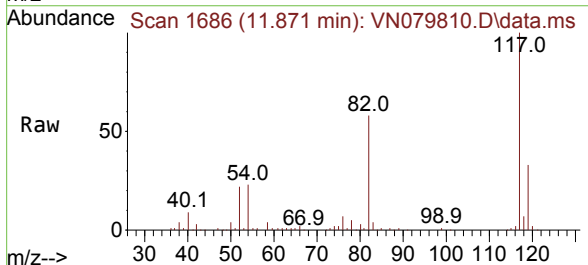
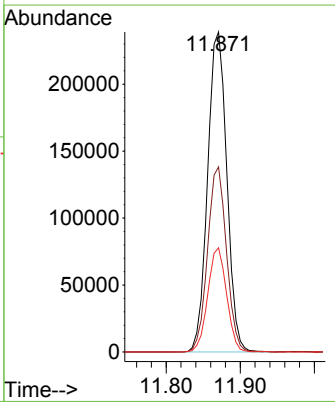


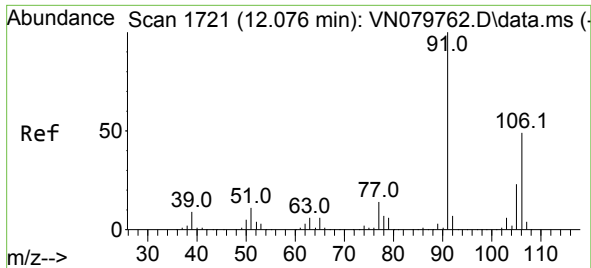
Tgt Ion:	95	Resp:	180923
Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	143.8
176	72.1	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079810.D
 Acq: 02 Nov 2023 20:21

Tgt Ion:	117	Resp:	429976
Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.0	66.0
119	32.5	25.6	38.4

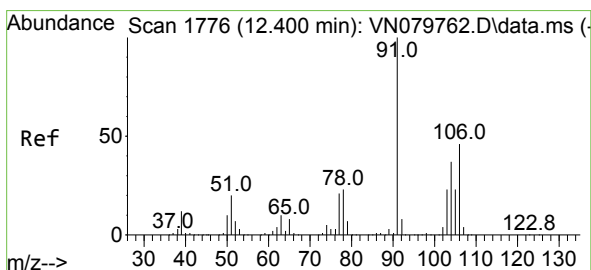
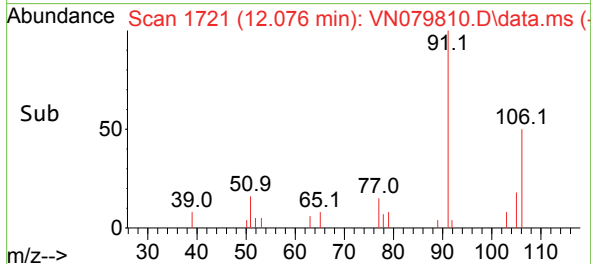
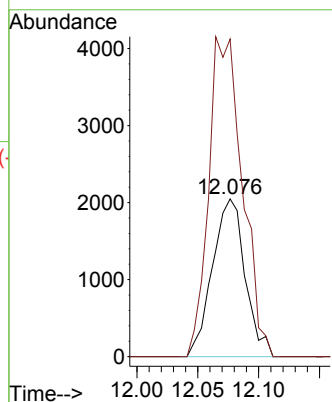
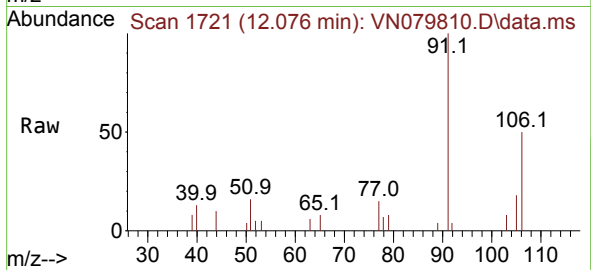




#68
m/p-Xylenes
Concen: 0.632 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

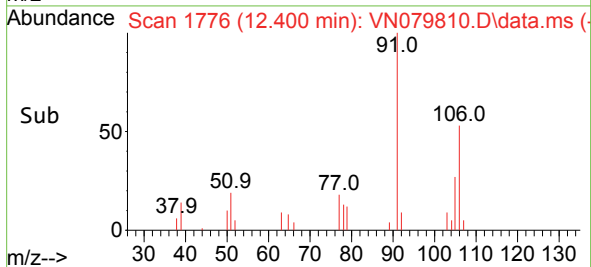
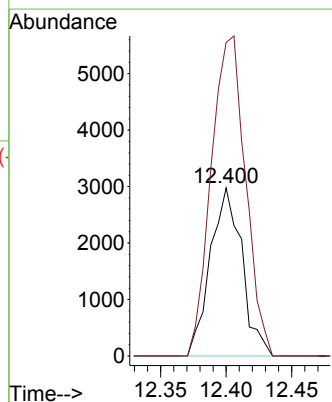
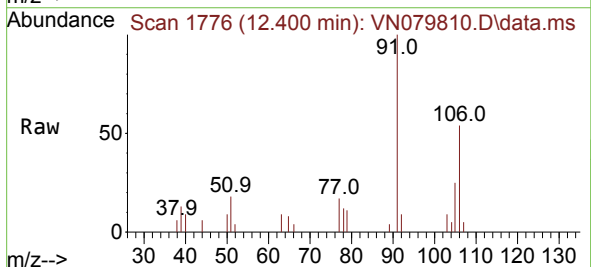
Instrument :
MSVOA_N
ClientSampleId :

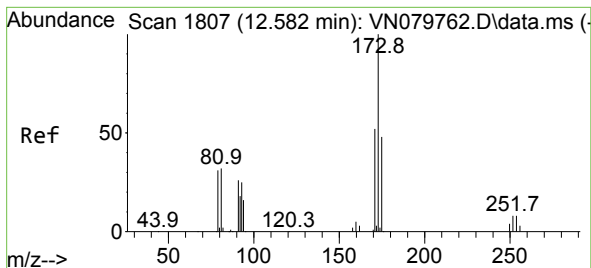
Tgt Ion:106 Resp: 3825
Ion Ratio Lower Upper
106 100
91 208.9 159.6 239.4



#69
o-Xylene
Concen: 0.854 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

Tgt Ion:106 Resp: 4980
Ion Ratio Lower Upper
106 100
91 206.6 105.2 315.5





#71

Bromoform

Concen: 0.450 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN079810.D

Acq: 02 Nov 2023 20:21

Instrument :

MSVOA_N

ClientSampleId :

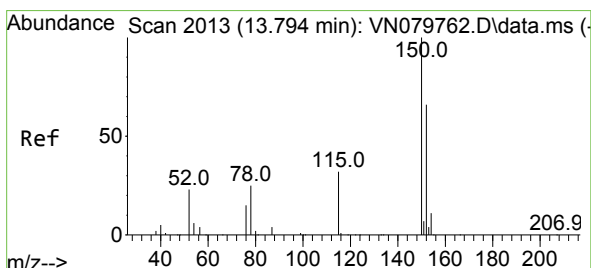
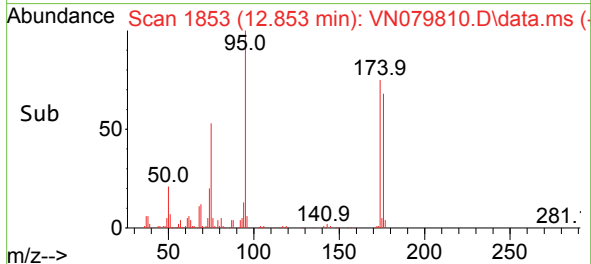
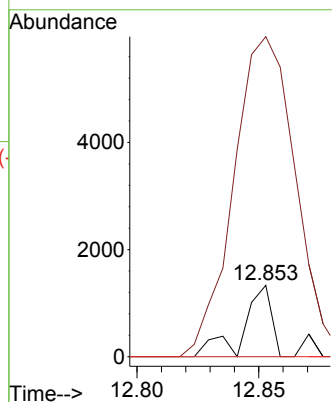
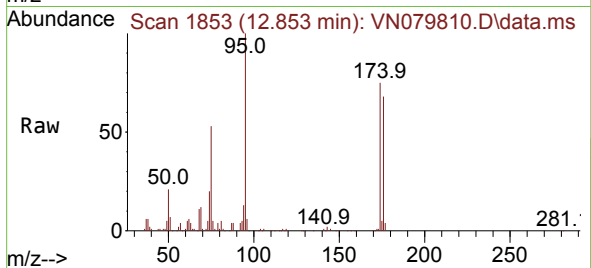
Tgt Ion:173 Resp: 1074

Ion Ratio Lower Upper

173 100

175 780.4 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079810.D

Acq: 02 Nov 2023 20:21

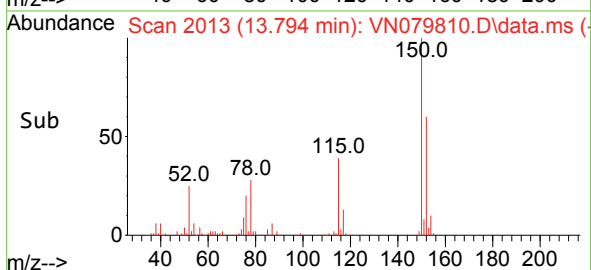
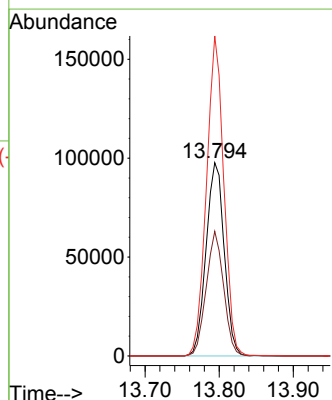
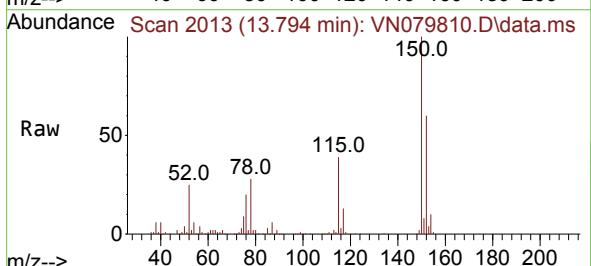
Tgt Ion:152 Resp: 166551

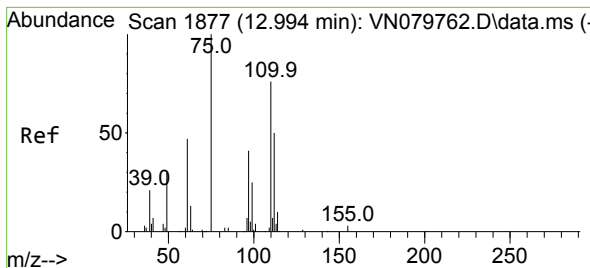
Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 157.7 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 26.196 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079810.D

Acq: 02 Nov 2023 20:21

Instrument :

MSVOA_N

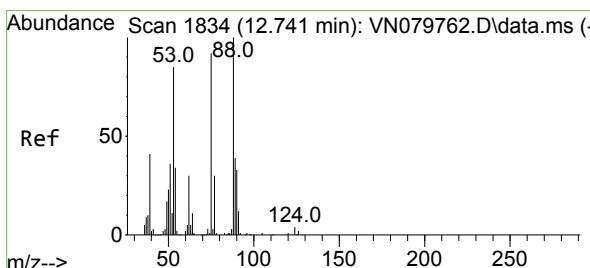
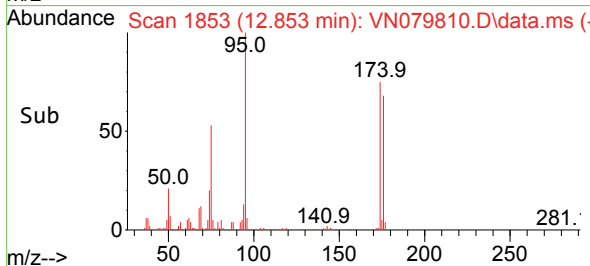
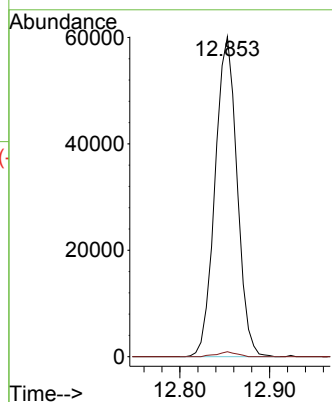
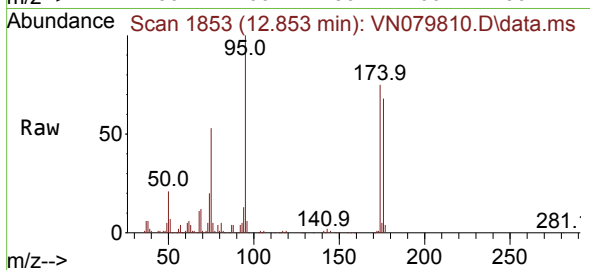
ClientSampleId :

Tgt Ion: 75 Resp: 102431

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.274 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079810.D

Acq: 02 Nov 2023 20:21

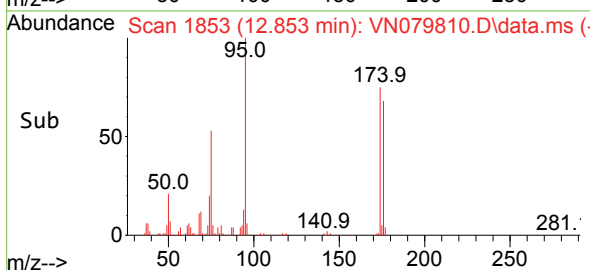
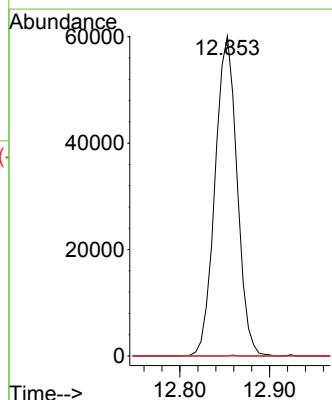
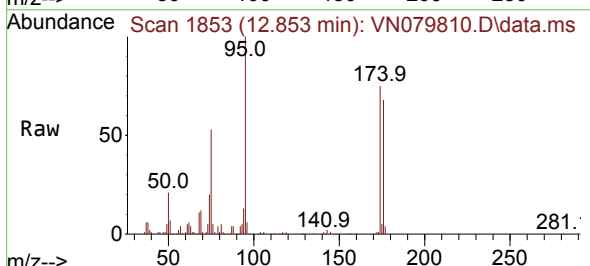
Tgt Ion: 75 Resp: 102431

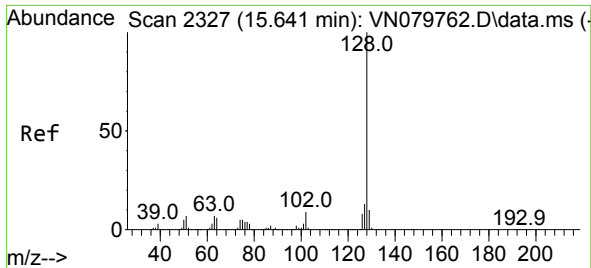
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

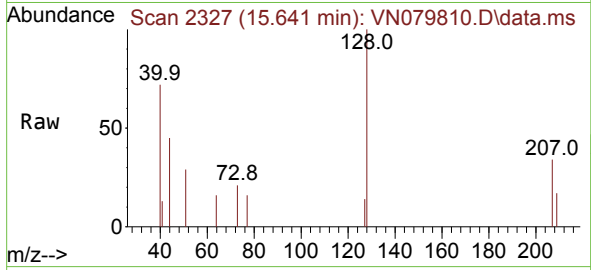
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 0.302 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN079810.D
Acq: 02 Nov 2023 20:21

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	2648
Ion	Ratio	Lower	Upper
128	100		
127	10.2	10.0	15.0
129	4.3	8.7	13.1#

