

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090822\
 Data File : VN074359.D
 Acq On : 08 Sep 2022 15:31
 Operator : JC\MD
 Sample : VN0908WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0908WBL01

Quant Time: Sep 09 05:36:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 09 05:24:20 2022
 Response via : Initial Calibration

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

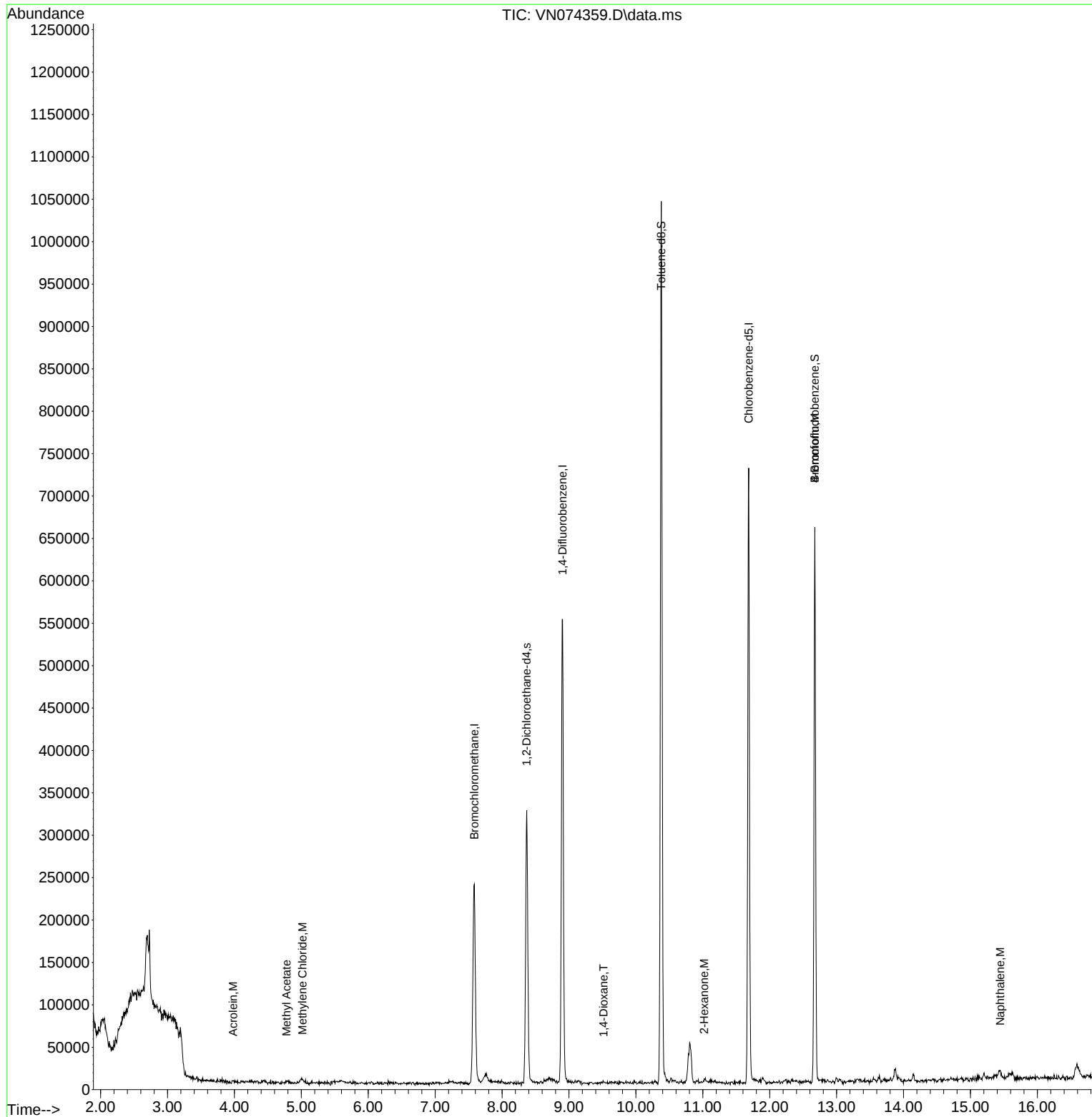
Internal Standards						
1) Bromochloromethane	7.587	128	76505	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	462979	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	382370	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	251874	32.066	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.900%			
60) 4-Bromofluorobenzene	12.674	95	198312	25.935	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 86.433%			
63) Toluene-d8	10.380	98	682498	31.778	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 105.933%			
Target Compounds						
					Qvalue	
12) Methyl Acetate	4.781	43	2451	0.221	ug/l #	49
13) Acrolein	3.981	56	754	0.504	ug/l	83
18) Methylene Chloride	5.016	84	1398	0.215	ug/l #	63
45) 1,4-Dioxane	9.516	88	209	1.098	ug/l #	43
56) Bromoform	12.674	173	1771	0.301	ug/l #	1
59) 2-Hexanone	11.022	43	2272	0.245	ug/l #	87
91) Naphthalene	15.445	128	9759	0.357	ug/l #	82

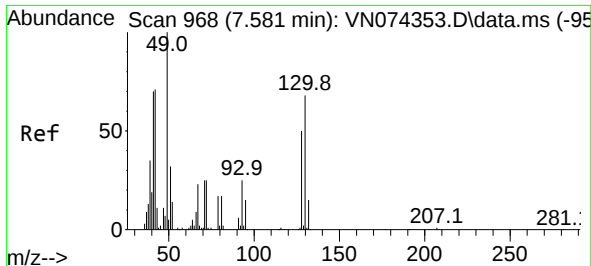
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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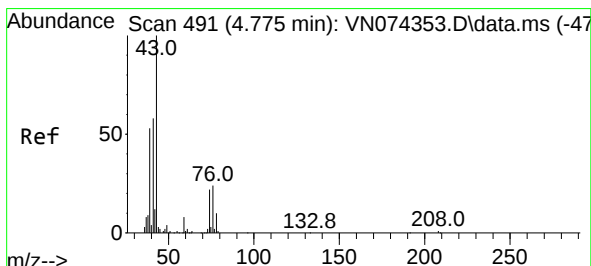
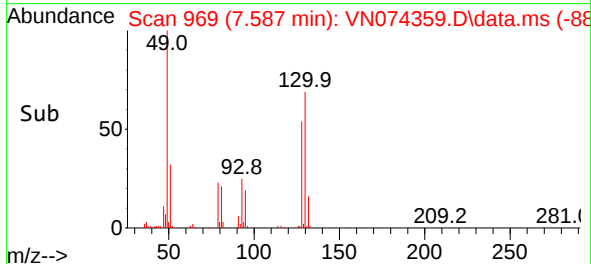
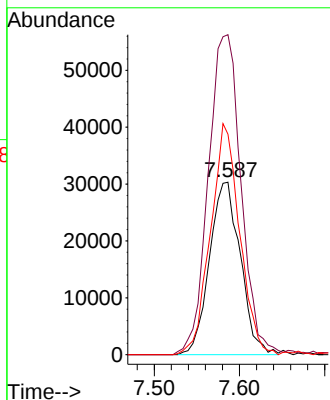
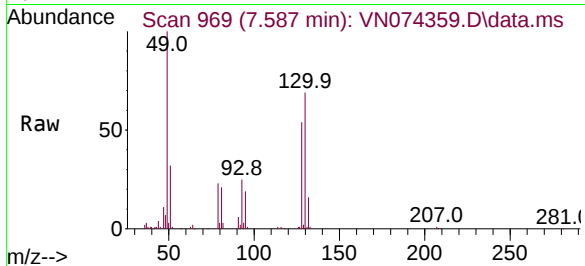




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.587 min Scan# 9
Delta R.T. 0.005 min
Lab File: VN074359.D
Acq: 08 Sep 2022 15:31

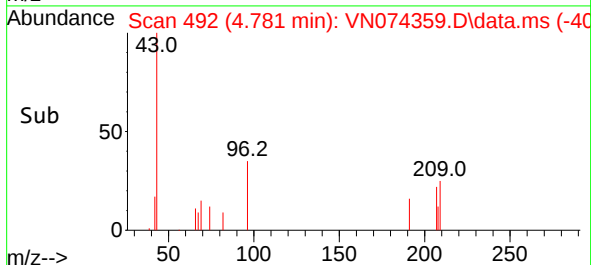
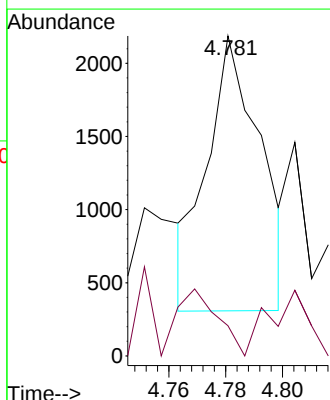
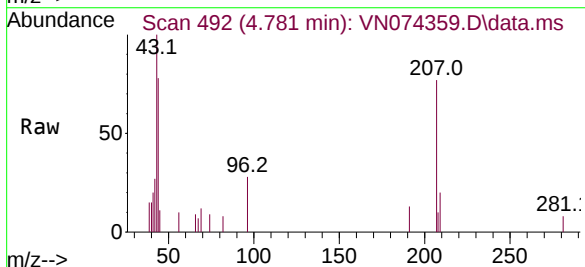
Instrument :
MSVOA_N
ClientSampleId :
VN0908WBL01

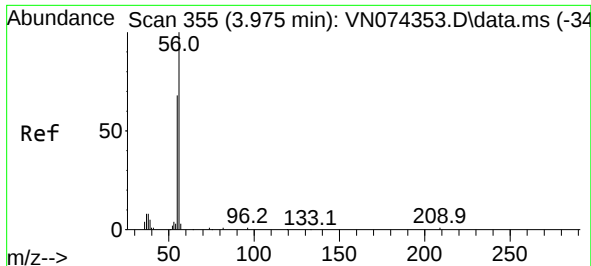
Tgt Ion:128 Resp: 76505
Ion Ratio Lower Upper
128 100
49 196.3 0.0 392.3
130 126.2 0.0 320.2



#12
Methyl Acetate
Concen: 0.221 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN074359.D
Acq: 08 Sep 2022 15:31

Tgt Ion: 43 Resp: 2451
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#





#13

Acrolein

Concen: 0.504 ug/l

RT: 3.981 min Scan# 3

Delta R.T. 0.006 min

Lab File: VN074359.D

Acq: 08 Sep 2022 15:31

Instrument :

MSVOA_N

ClientSampleId :

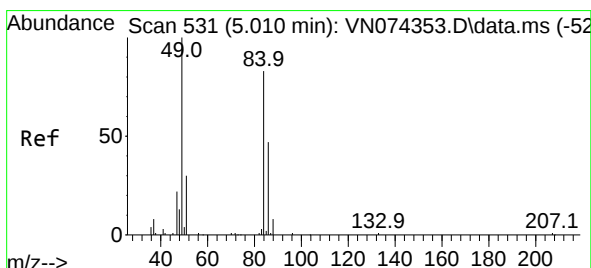
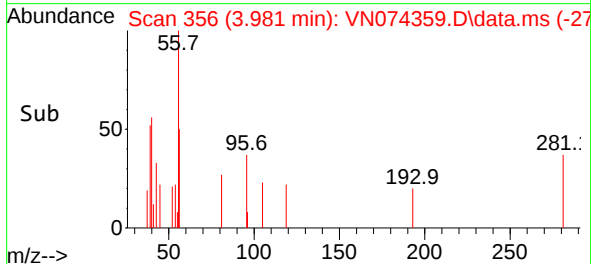
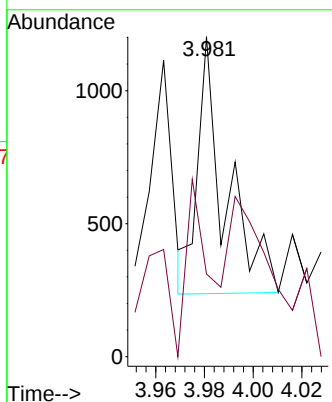
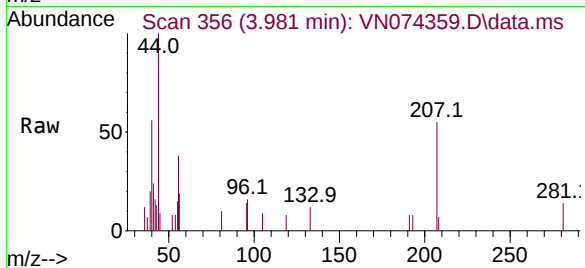
VN0908WBL01

Tgt Ion: 56 Resp: 754

Ion Ratio Lower Upper

56 100

55 58.0 57.6 86.4



#18

Methylene Chloride

Concen: 0.215 ug/l

RT: 5.016 min Scan# 532

Delta R.T. 0.006 min

Lab File: VN074359.D

Acq: 08 Sep 2022 15:31

Tgt Ion: 84 Resp: 1398

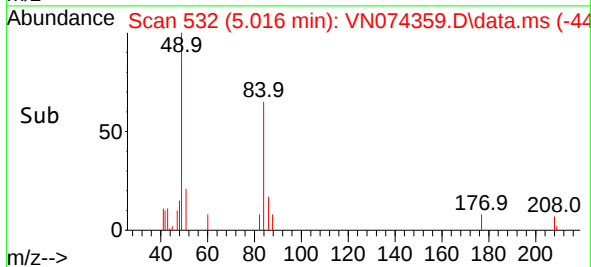
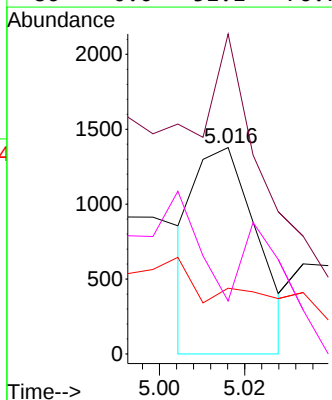
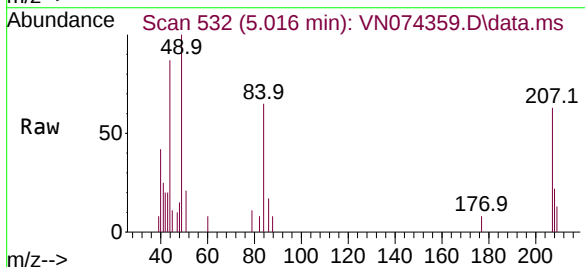
Ion Ratio Lower Upper

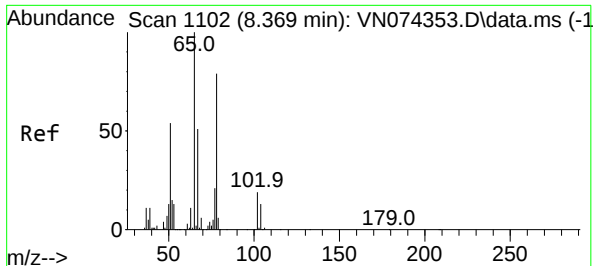
84 100

49 121.7 91.4 137.0

51 7.1 29.4 44.0#

86 0.0 51.1 76.7#





#27

1,2-Dichloroethane-d4

Concen: 32.066 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074359.D

Acq: 08 Sep 2022 15:31

Instrument :

MSVOA_N

ClientSampleId :

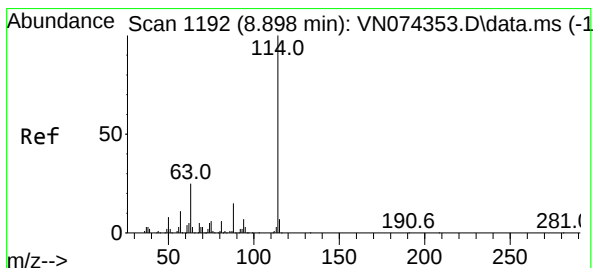
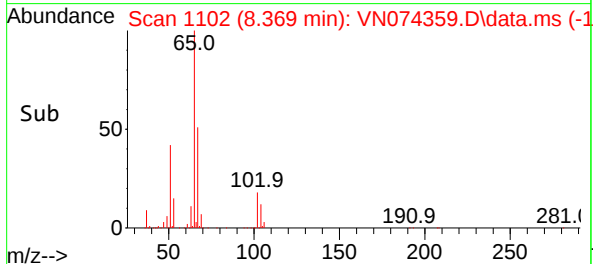
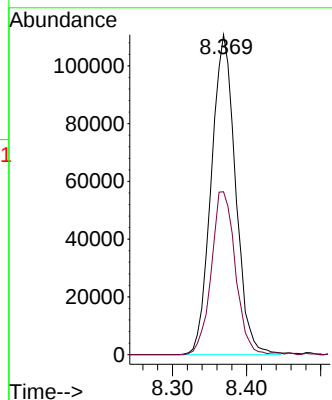
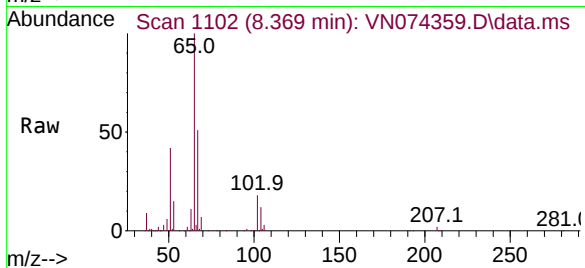
VN0908WBL01

Tgt Ion: 65 Resp: 251874

Ion Ratio Lower Upper

65 100

67 50.5 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN074359.D

Acq: 08 Sep 2022 15:31

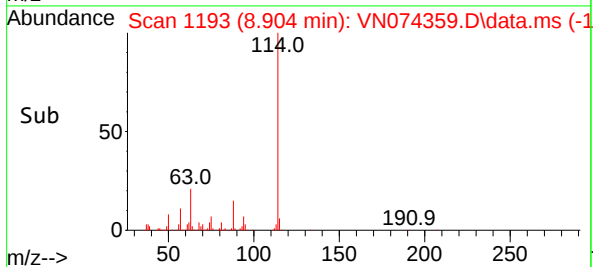
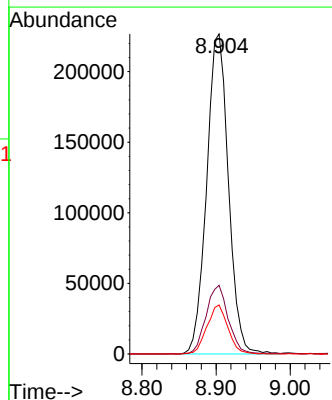
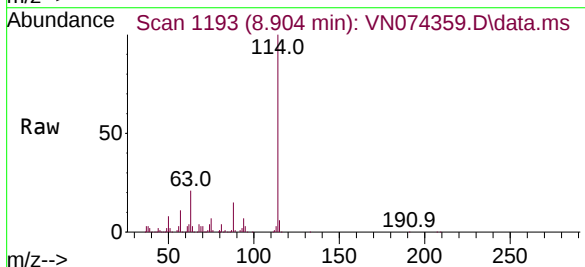
Tgt Ion: 114 Resp: 462979

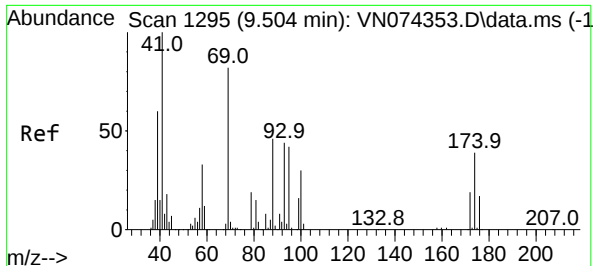
Ion Ratio Lower Upper

114 100

63 21.9 15.8 23.6

88 14.7 11.6 17.4





#45

1,4-Dioxane

Concen: 1.098 ug/l

RT: 9.516 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN074359.D

Acq: 08 Sep 2022 15:31

Instrument :

MSVOA_N

ClientSampleId :

VN0908WBL01

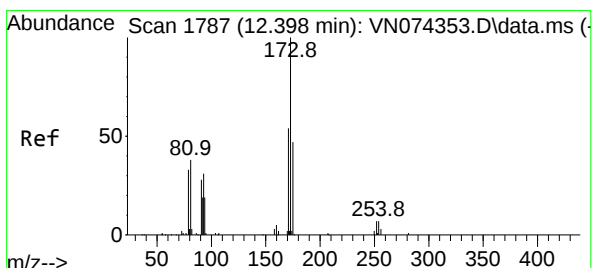
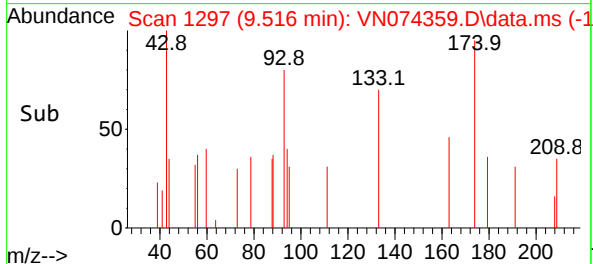
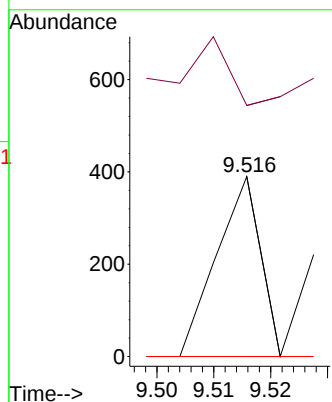
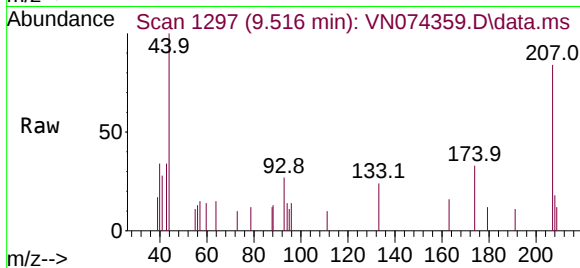
Tgt Ion: 88 Resp: 209

Ion Ratio Lower Upper

88 100

43 25.4 25.0 37.6

58 0.0 49.4 74.2#



#56

Bromoform

Concen: 0.301 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. 0.277 min

Lab File: VN074359.D

Acq: 08 Sep 2022 15:31

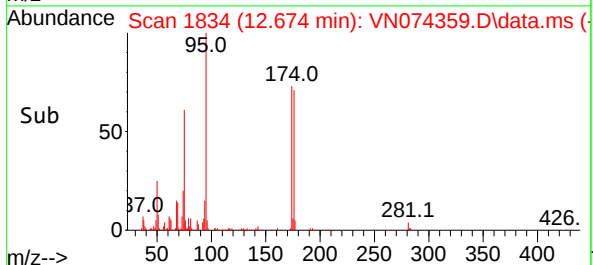
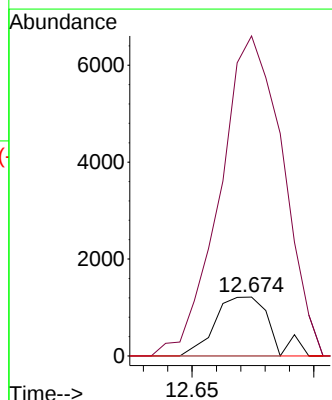
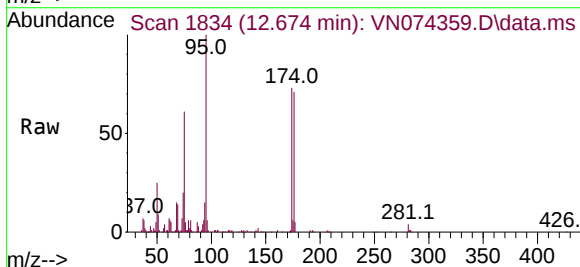
Tgt Ion: 173 Resp: 1771

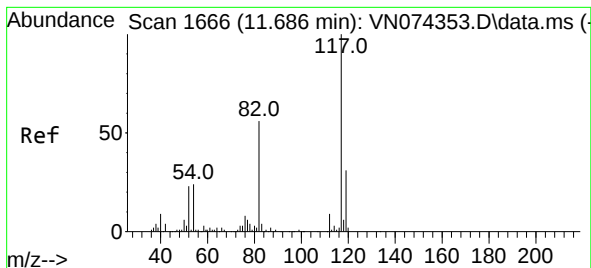
Ion Ratio Lower Upper

173 100

175 671.5 38.6 58.0#

254 0.0 0.0 0.0

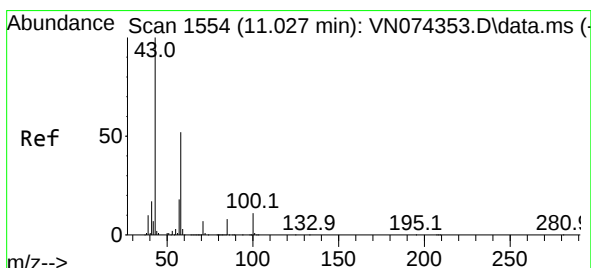
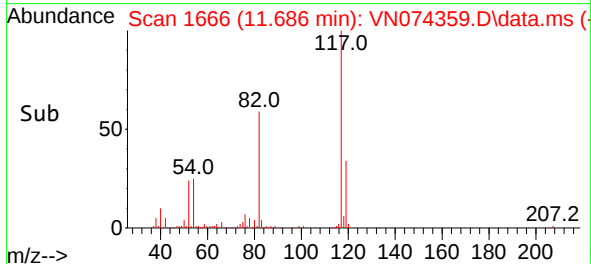
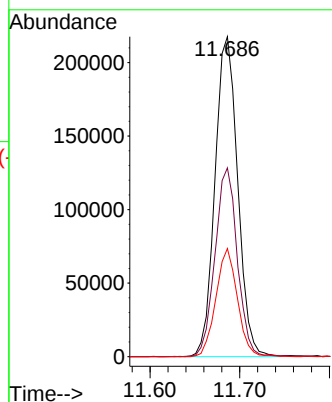
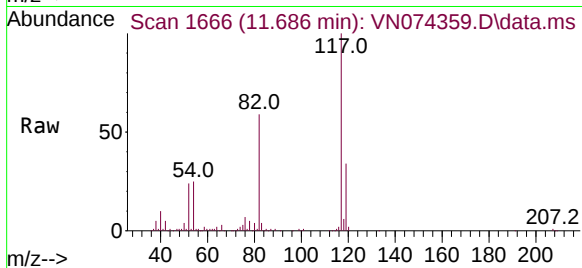




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VN074359.D
Acq: 08 Sep 2022 15:31

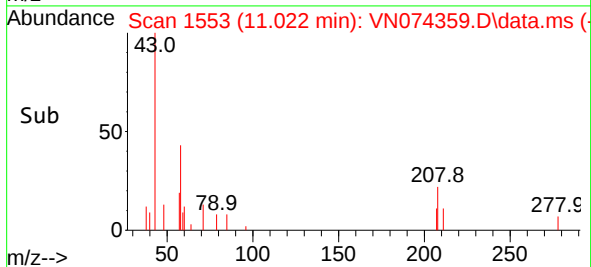
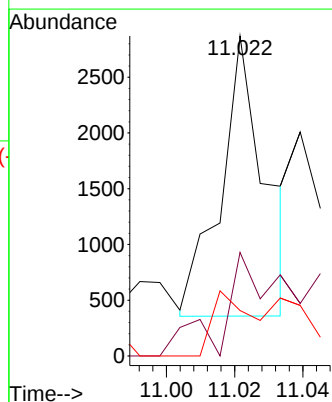
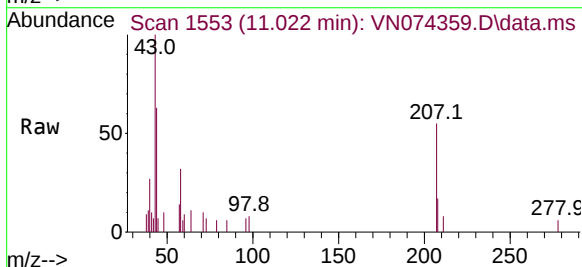
Instrument :
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ClientSampleId :
VN0908WBL01

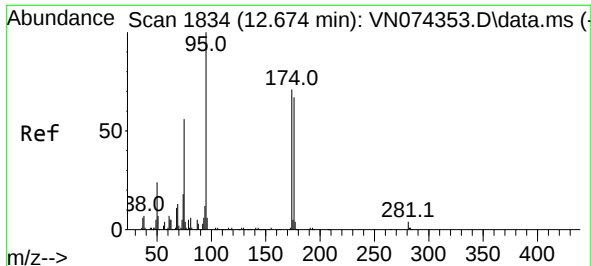
Tgt Ion:117 Resp: 382370
Ion Ratio Lower Upper
117 100
82 57.6 43.6 65.4
119 31.9 25.8 38.6



#59
2-Hexanone
Concen: 0.245 ug/l
RT: 11.022 min Scan# 1553
Delta R.T. -0.006 min
Lab File: VN074359.D
Acq: 08 Sep 2022 15:31

Tgt Ion: 43 Resp: 2272
Ion Ratio Lower Upper
43 100
58 41.0 42.2 63.2#
57 20.4 15.0 22.4

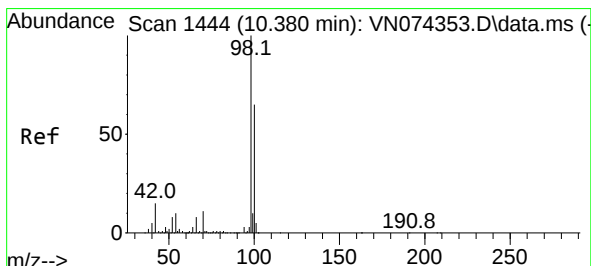
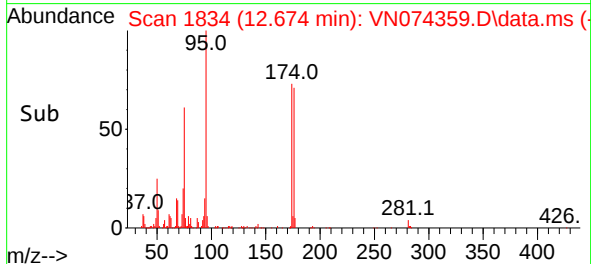
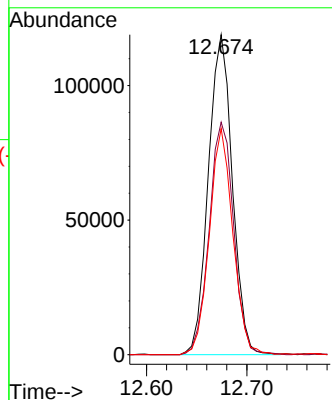
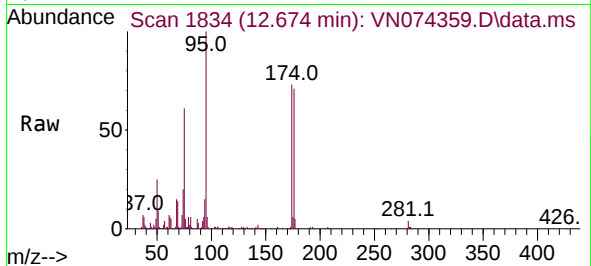




#60
4-Bromofluorobenzene
Concen: 25.935 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074359.D
Acq: 08 Sep 2022 15:31

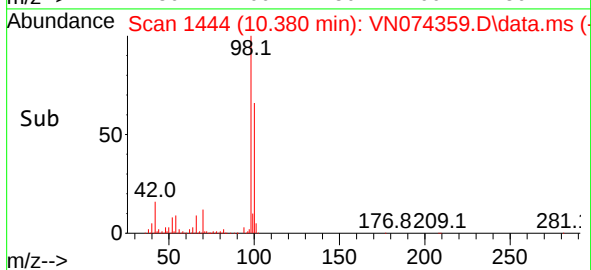
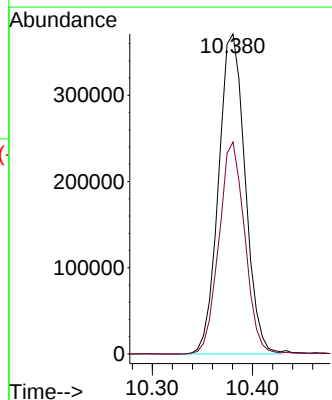
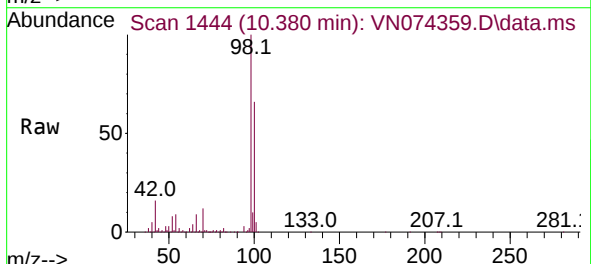
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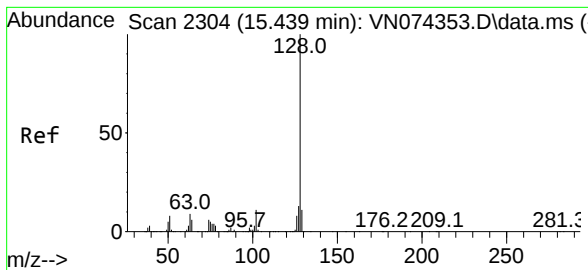
Tgt Ion: 95 Resp: 198312
Ion Ratio Lower Upper
95 100
174 74.0 62.9 94.3
176 69.1 61.0 91.4



#63
Toluene-d8
Concen: 31.778 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074359.D
Acq: 08 Sep 2022 15:31

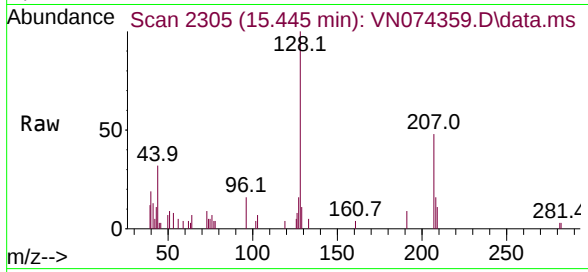
Tgt Ion: 98 Resp: 682498
Ion Ratio Lower Upper
98 100
100 64.5 50.6 76.0





#91
Naphthalene
Concen: 0.357 ug/l
RT: 15.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074359.D
Acq: 08 Sep 2022 15:31

Instrument :
MSVOA_N
ClientSampleId :
VN0908WBL01



Tgt Ion:128 Resp: 9759
Ion Ratio Lower Upper
128 100
127 5.3 10.7 16.1#
129 5.5 9.0 13.6#

