

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092722\
 Data File : VN074636.D
 Acq On : 27 Sep 2022 18:53
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 28 08:07:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 28 07:48:31 2022
 Response via : Initial Calibration

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

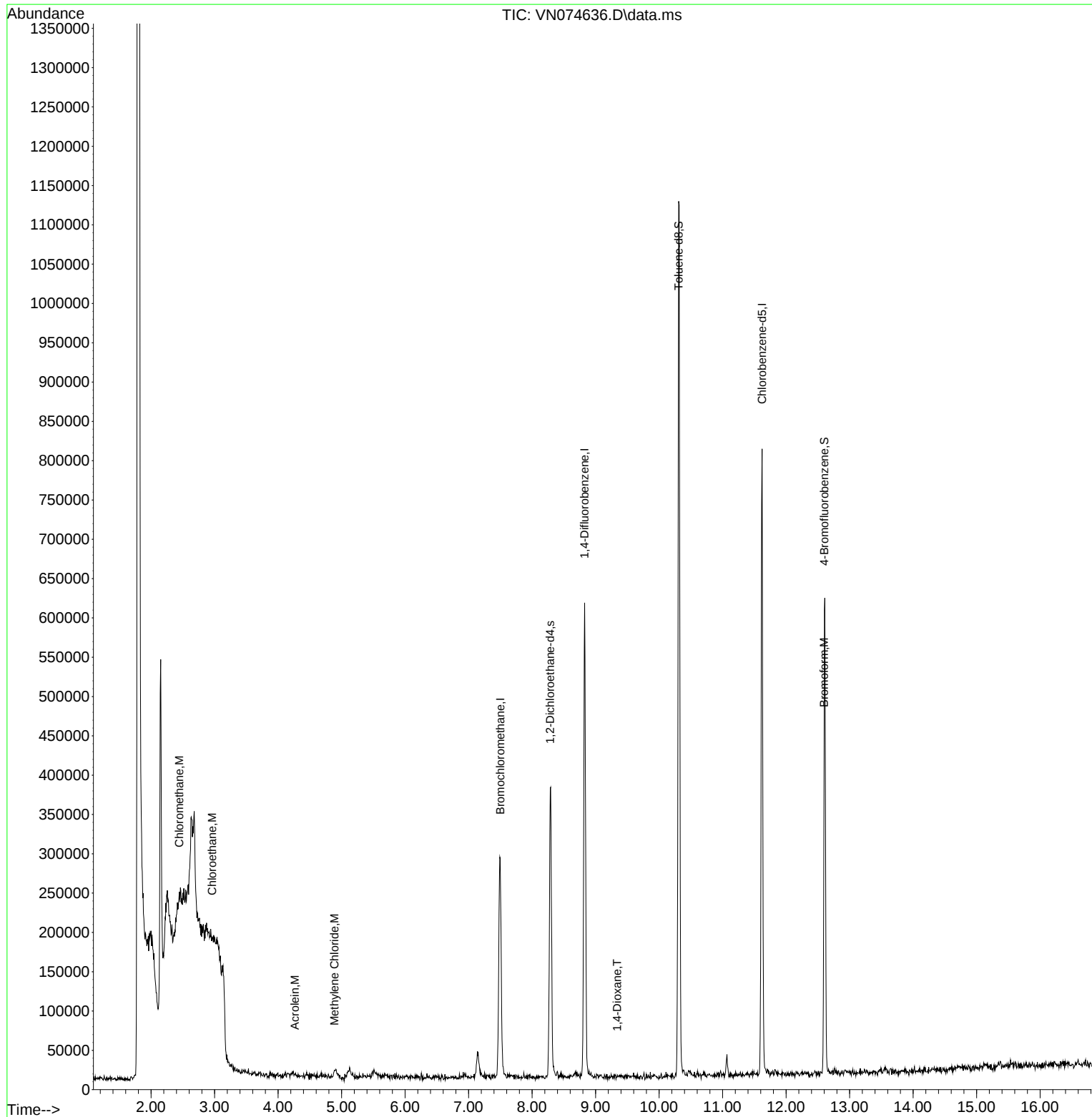
Internal Standards						
1) Bromochloromethane	7.498	128	95476	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.827	114	496927	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.621	117	428373	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.286	65	278938	30.985	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.267%	
60) 4-Bromofluorobenzene	12.604	95	194012	23.316	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 77.733%	
63) Toluene-d8	10.310	98	750754	31.071	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.567%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.445	50	1762	0.214	ug/l	91
6) Chloroethane	2.963	64	2742	0.368	ug/l #	62
13) Acrolein	4.263	56	557	0.494	ug/l	99
18) Methylene Chloride	4.886	84	2944	0.357	ug/l #	61
45) 1,4-Dioxane	9.339	88	66	0.347	ug/l #	1
56) Bromoform	12.598	173	1311	0.208	ug/l #	49

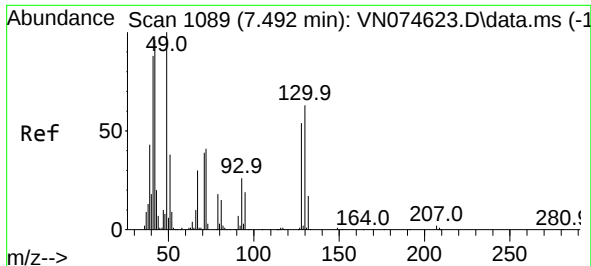
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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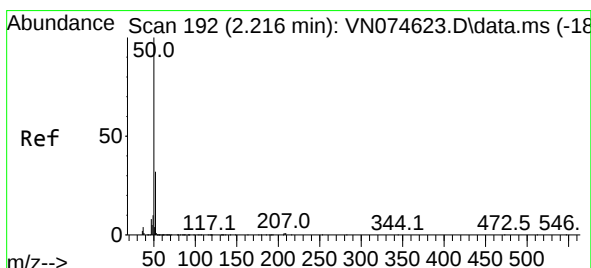
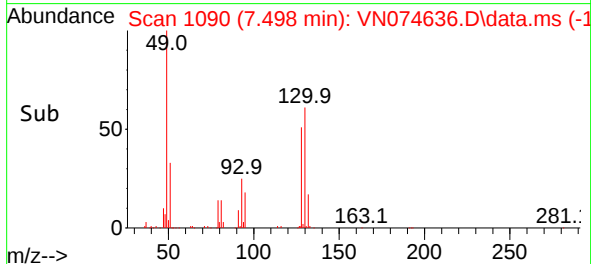
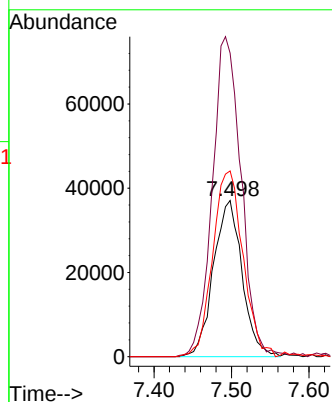
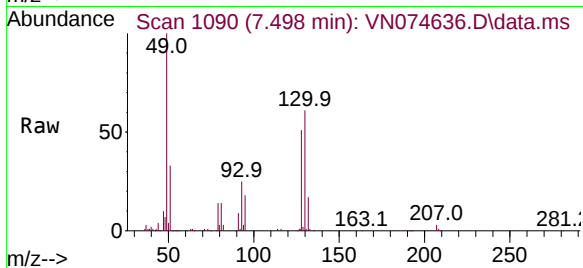




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.498 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074636.D
Acq: 27 Sep 2022 18:53

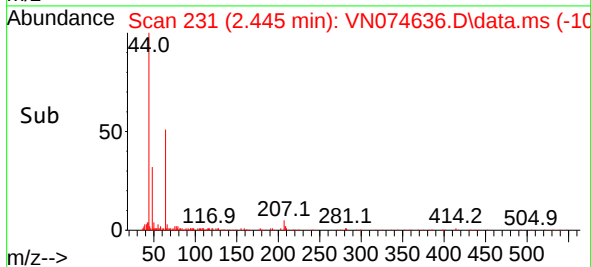
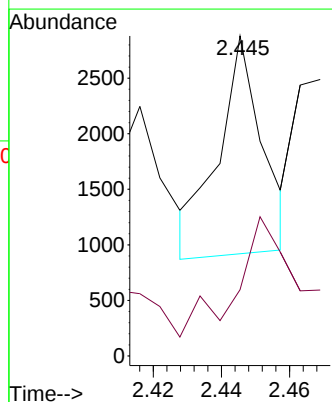
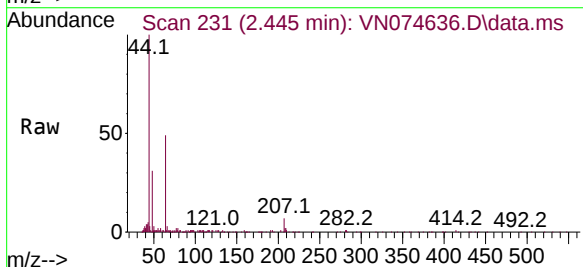
Instrument :
MSVOA_N
ClientSampleId :

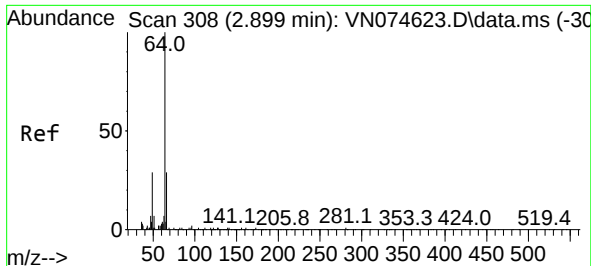
Tgt Ion:128 Resp: 95476
Ion Ratio Lower Upper
128 100
49 203.6 0.0 492.0
130 124.2 0.0 313.3



#3
Chloromethane
Concen: 0.214 ug/l
RT: 2.445 min Scan# 231
Delta R.T. 0.229 min
Lab File: VN074636.D
Acq: 27 Sep 2022 18:53

Tgt Ion: 50 Resp: 1762
Ion Ratio Lower Upper
50 100
52 27.2 25.5 38.3

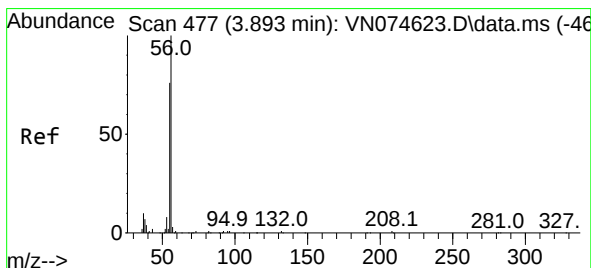
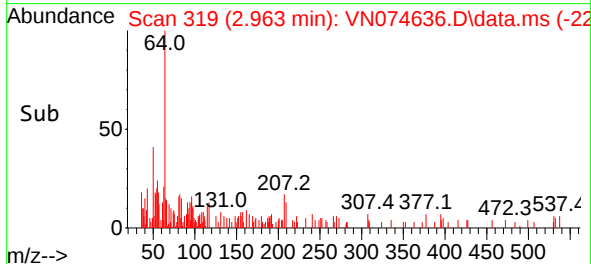
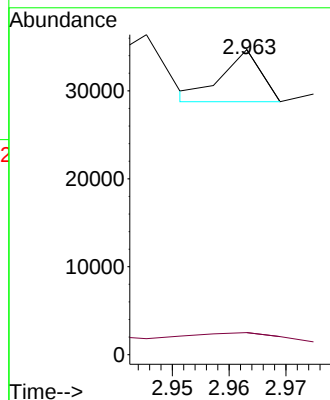
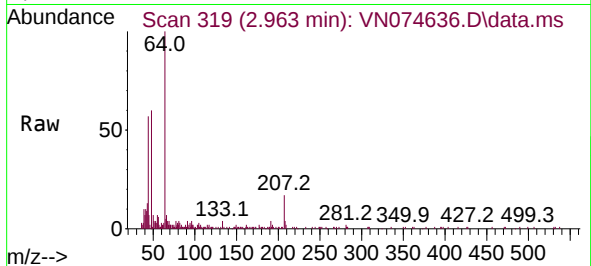




#6
Chloroethane
Concen: 0.368 ug/l
RT: 2.963 min Scan# 319
Delta R.T. 0.065 min
Lab File: VN074636.D
Acq: 27 Sep 2022 18:53

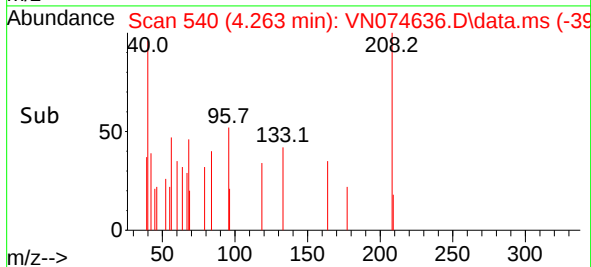
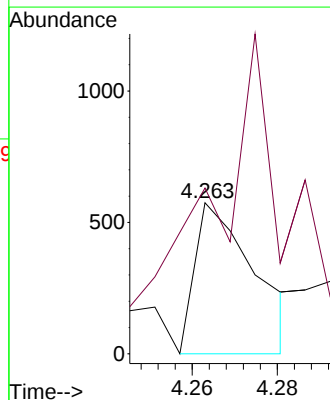
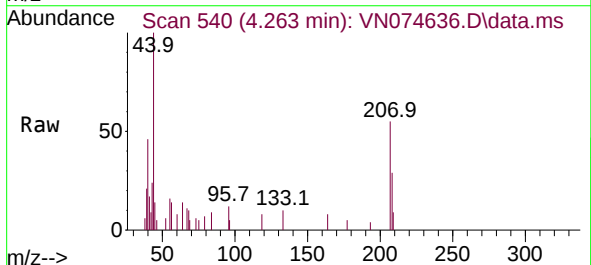
Instrument :
MSVOA_N
ClientSampleId :

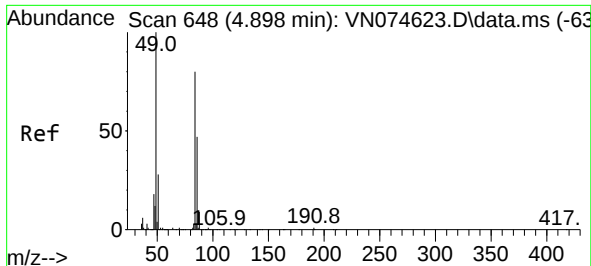
Tgt Ion: 64 Resp: 2742
Ion Ratio Lower Upper
64 100
66 7.7 21.8 32.8#



#13
Acrolein
Concen: 0.494 ug/l
RT: 4.263 min Scan# 540
Delta R.T. 0.370 min
Lab File: VN074636.D
Acq: 27 Sep 2022 18:53

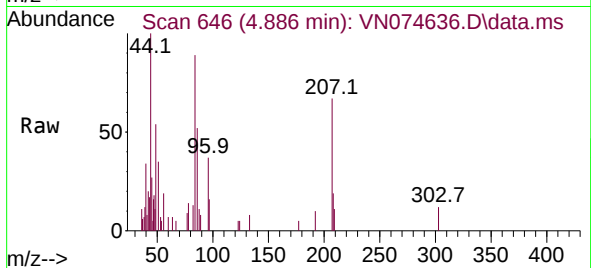
Tgt Ion: 56 Resp: 557
Ion Ratio Lower Upper
56 100
55 69.5 56.2 84.2



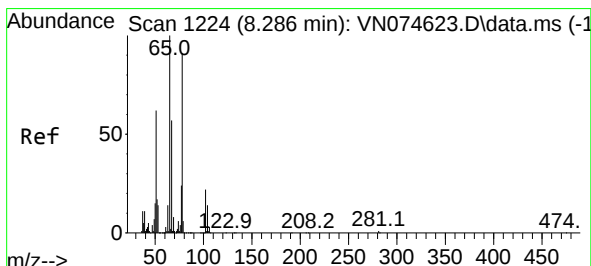
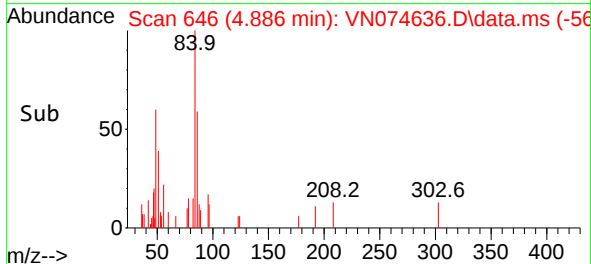
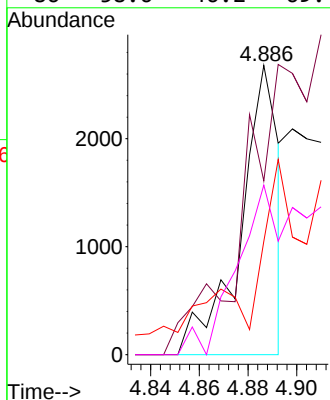


#18
Methylene Chloride
Concen: 0.357 ug/l
RT: 4.886 min Scan# 648
Delta R.T. -0.012 min
Lab File: VN074636.D
Acq: 27 Sep 2022 18:53

Instrument :
MSVOA_N
ClientSampleId :

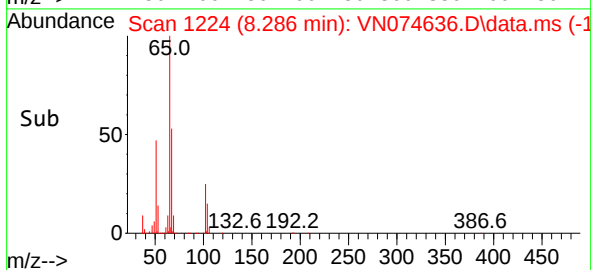
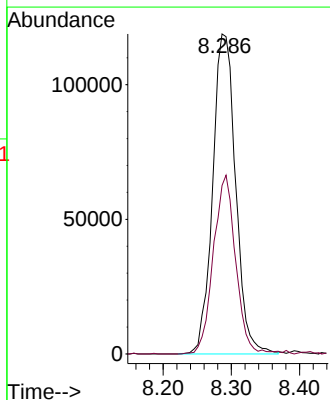
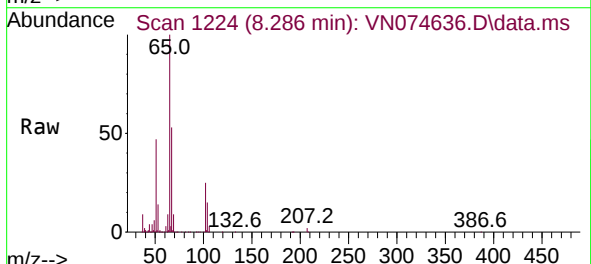


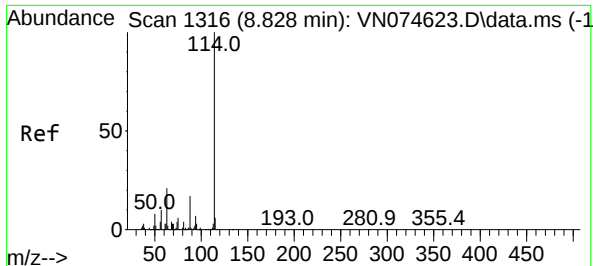
Tgt Ion:	84	Resp:	2944
Ion	Ratio	Lower	Upper
84	100		
49	49.0	99.6	149.4#
51	31.5	28.2	42.2
86	58.6	46.2	69.4



#27
1,2-Dichloroethane-d4
Concen: 30.985 ug/l
RT: 8.286 min Scan# 1224
Delta R.T. -0.000 min
Lab File: VN074636.D
Acq: 27 Sep 2022 18:53

Tgt Ion:	65	Resp:	278938
Ion	Ratio	Lower	Upper
65	100		
67	53.4	45.2	67.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.827 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN074636.D

Acq: 27 Sep 2022 18:53

Instrument :

MSVOA_N

ClientSampleId :

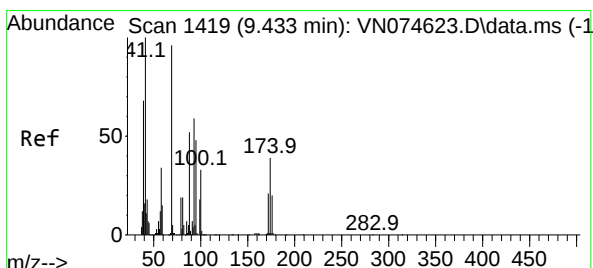
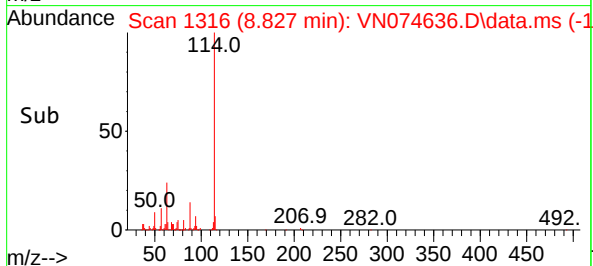
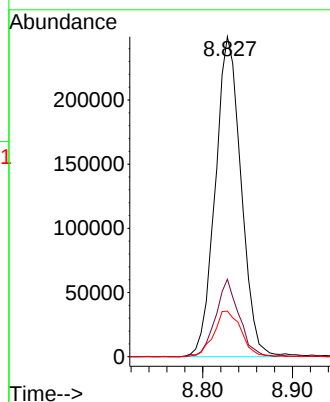
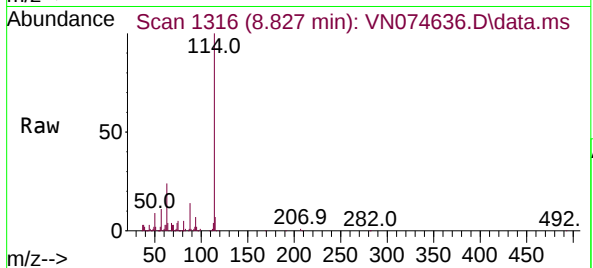
Tgt Ion:114 Resp: 496927

Ion Ratio Lower Upper

114 100

63 22.1 16.6 25.0

88 15.0 12.2 18.4



#45

1,4-Dioxane

Concen: 0.347 ug/l

RT: 9.339 min Scan# 1403

Delta R.T. -0.094 min

Lab File: VN074636.D

Acq: 27 Sep 2022 18:53

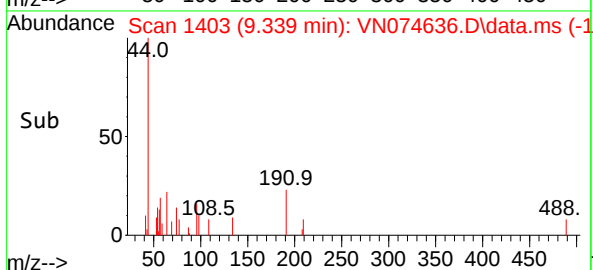
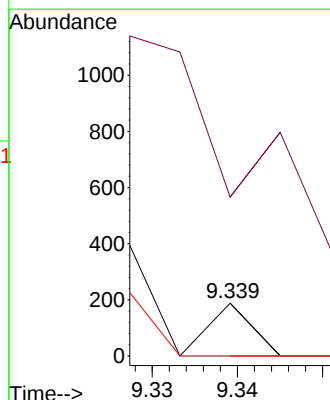
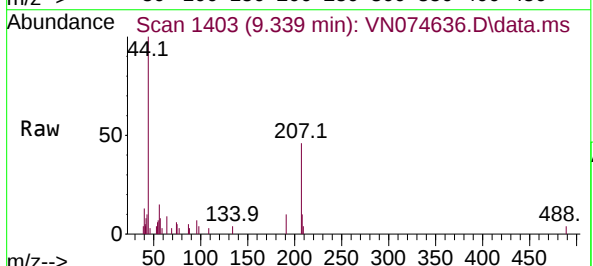
Tgt Ion: 88 Resp: 66

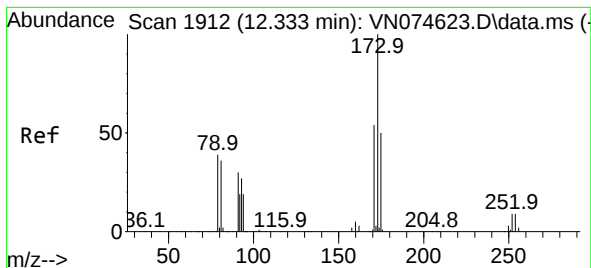
Ion Ratio Lower Upper

88 100

43 601.5 25.7 38.5#

58 0.0 53.4 80.2#





#56

Bromoform

Concen: 0.208 ug/l

RT: 12.598 min Scan# 1912

Delta R.T. 0.264 min

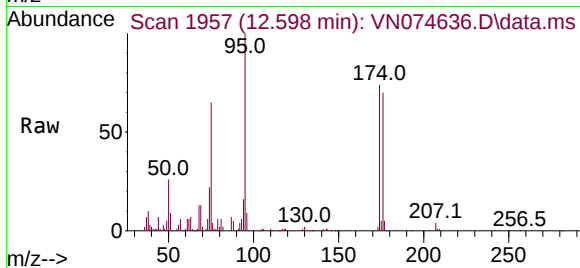
Lab File: VN074636.D

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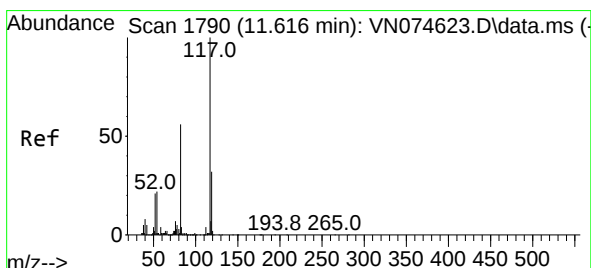
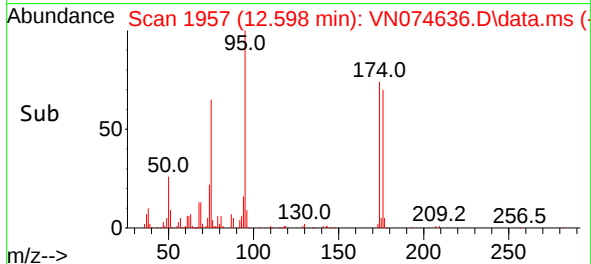
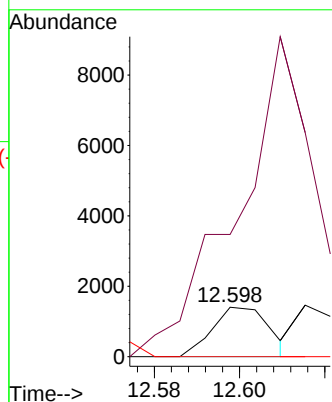
Tgt Ion:173 Resp: 1311

Ion Ratio Lower Upper

173 100

175 11.1 39.1 58.7#

254 0.0 7.0 10.6#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.621 min Scan# 1791

Delta R.T. 0.006 min

Lab File: VN074636.D

Acq: 27 Sep 2022 18:53

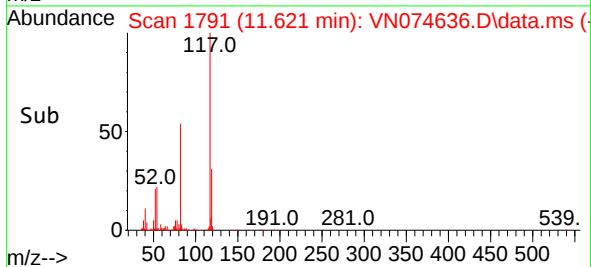
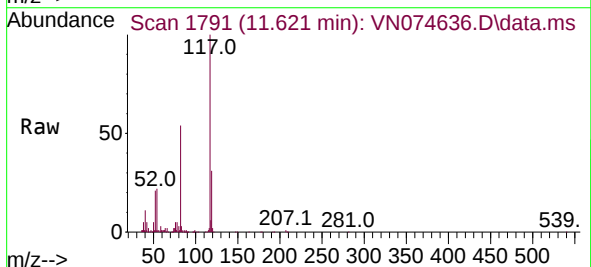
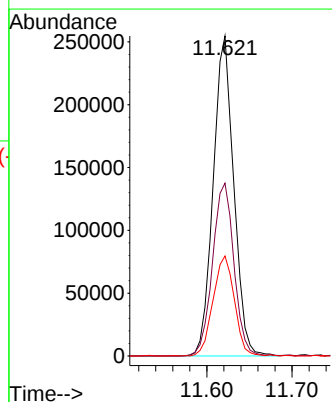
Tgt Ion:117 Resp: 428373

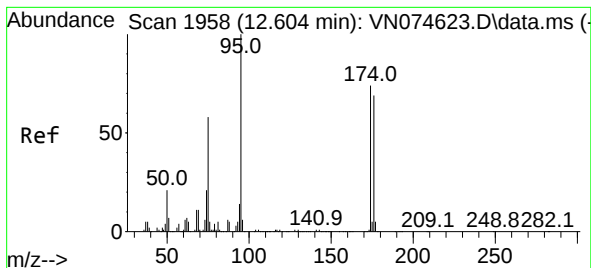
Ion Ratio Lower Upper

117 100

82 56.2 44.6 67.0

119 32.3 25.6 38.4

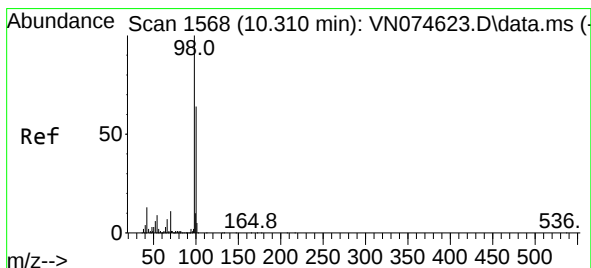
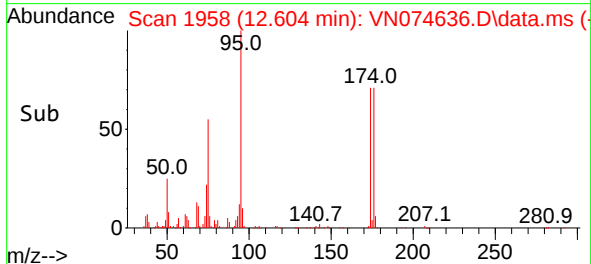
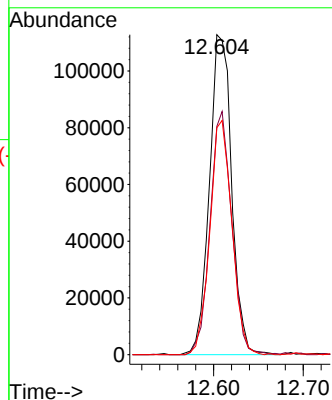
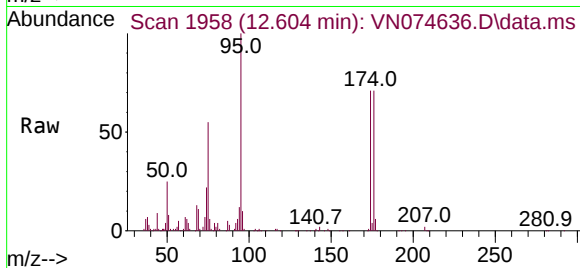




#60
4-Bromofluorobenzene
Concen: 23.316 ug/l
RT: 12.604 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VN074636.D
Acq: 27 Sep 2022 18:53

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 194012
Ion Ratio Lower Upper
95 100
174 74.1 57.8 86.8
176 72.6 57.0 85.4



#63
Toluene-d8
Concen: 31.071 ug/l
RT: 10.310 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN074636.D
Acq: 27 Sep 2022 18:53

Tgt Ion: 98 Resp: 750754
Ion Ratio Lower Upper
98 100
100 64.0 52.7 79.1

