

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069839.D
 Acq On : 8 Dec 2021 2:51
 Operator : JC/MD
 Sample : M4957-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D1-20211206

Quant Time: Dec 08 06:37:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

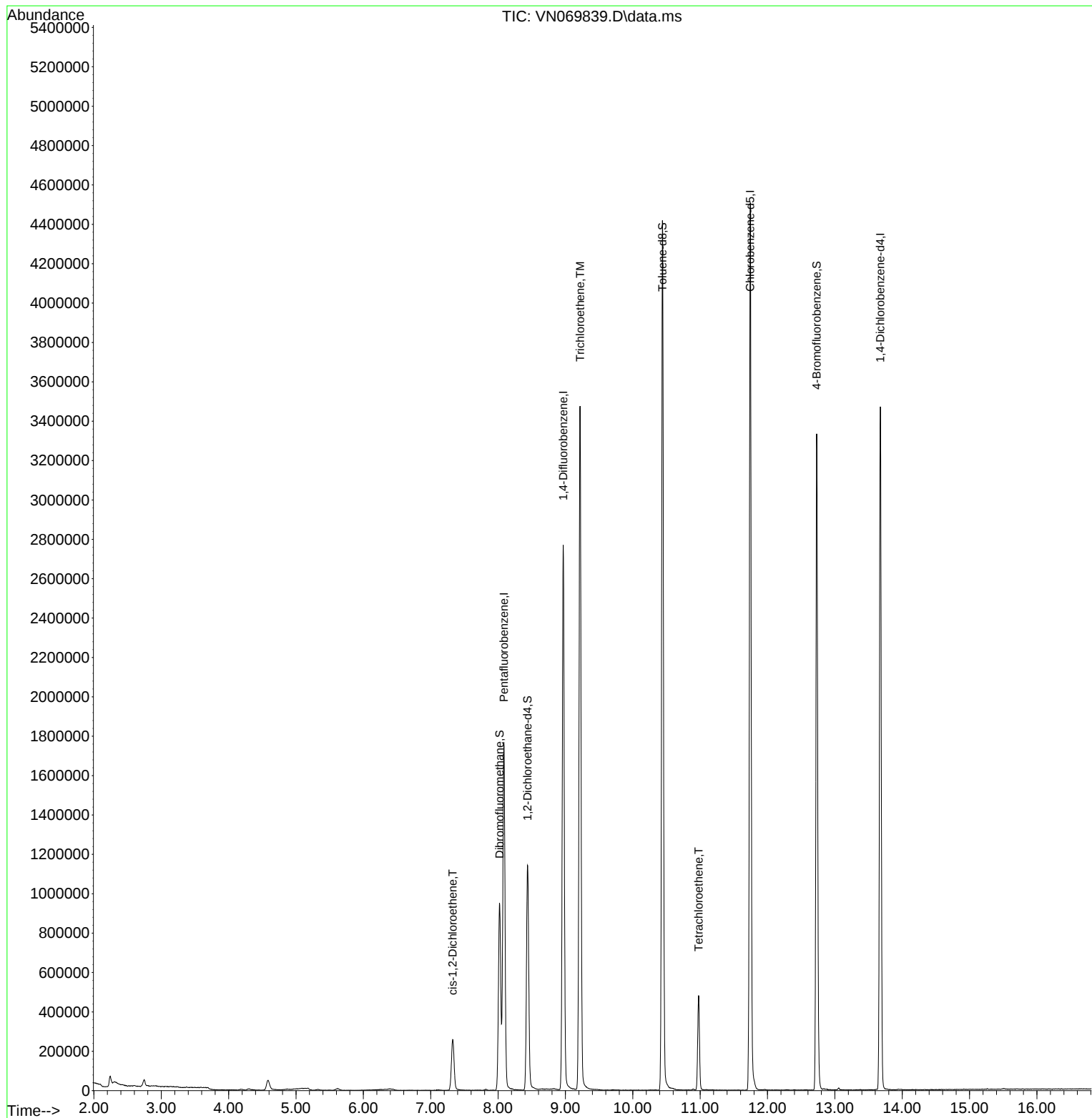
Internal Standards						
1) Pentafluorobenzene	8.088	168	1304974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2337117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2493475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	945289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1007969	50.026	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.060%	
35) Dibromofluoromethane	8.021	113	695876	47.535	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.080%	
50) Toluene-d8	10.440	98	3037197	51.670	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.340%	
62) 4-Bromofluorobenzene	12.731	95	1155393	54.256	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 108.520%	
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	7.327	96	148091	9.079	ug/l	96
44) Trichloroethene	9.217	130	1227907	75.650	ug/l	91
64) Tetrachloroethene	10.977	164	109383	6.470	ug/l	96

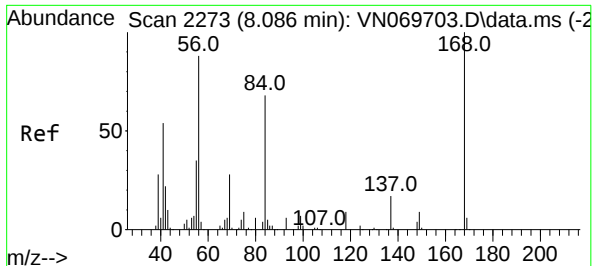
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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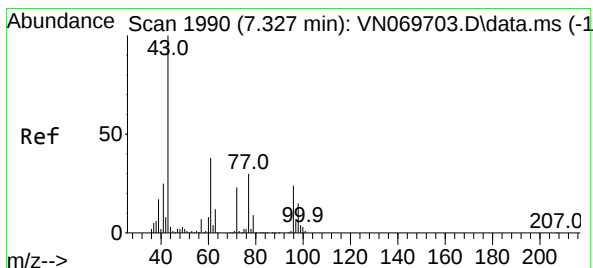
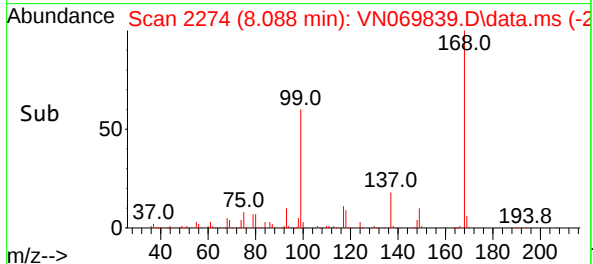
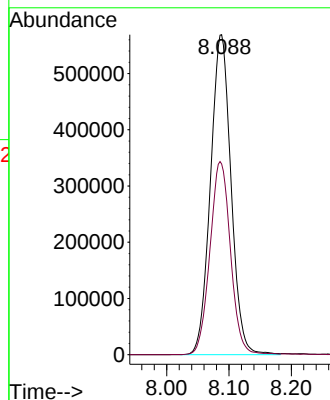
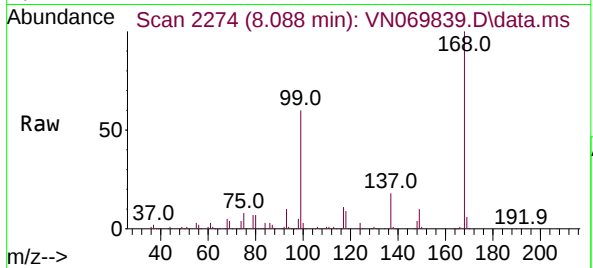




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

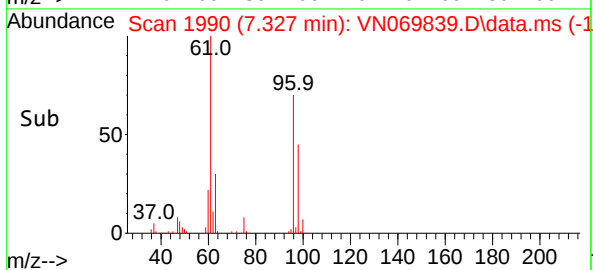
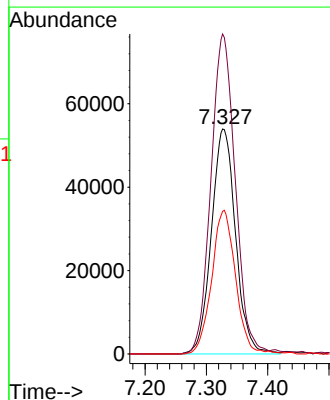
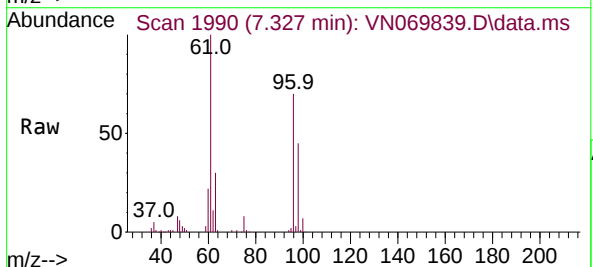
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

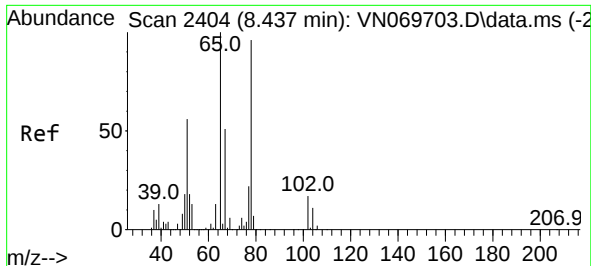
Tgt Ion:168 Resp: 1304974
Ion Ratio Lower Upper
168 100
99 59.6 41.3 61.9



#27
cis-1,2-Dichloroethene
Concen: 9.079 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Tgt Ion: 96 Resp: 148091
Ion Ratio Lower Upper
96 100
61 142.3 0.0 275.0
98 62.6 0.0 129.6





#33

1,2-Dichloroethane-d4

Concen: 50.026 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069839.D

Acq: 8 Dec 2021 2:51

Instrument :

MSVOA_N

ClientSampleId :

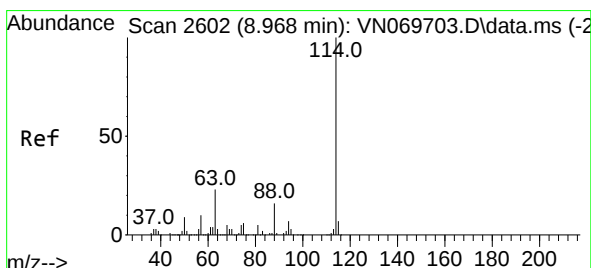
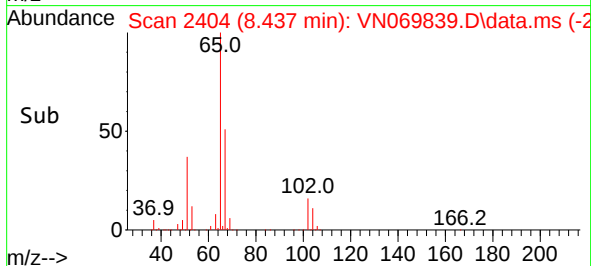
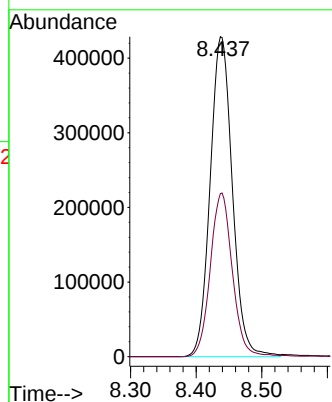
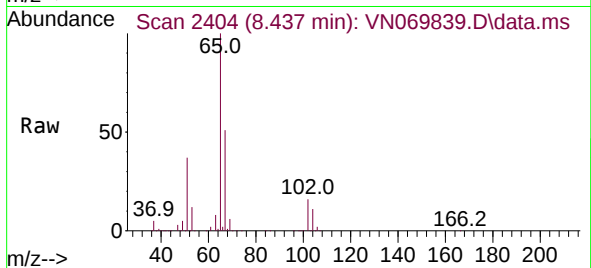
MW179D1-20211206

Tgt Ion: 65 Resp: 1007969

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069839.D

Acq: 8 Dec 2021 2:51

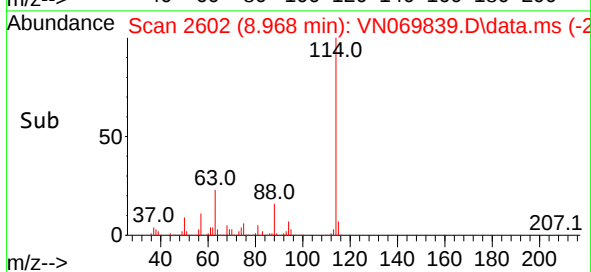
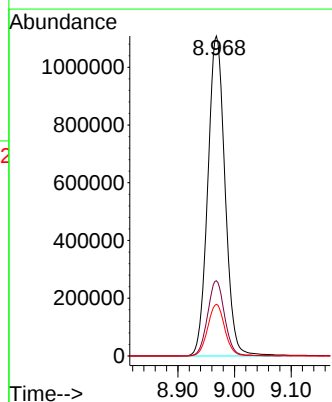
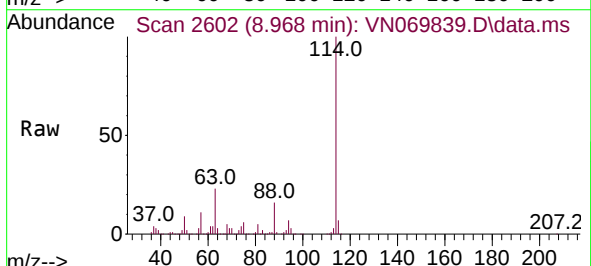
Tgt Ion: 114 Resp: 2337117

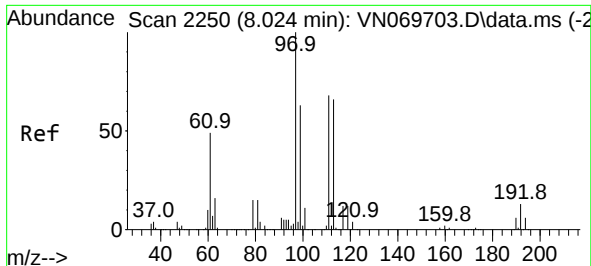
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.1 0.0 27.4

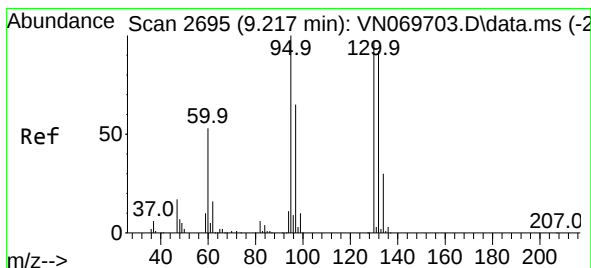
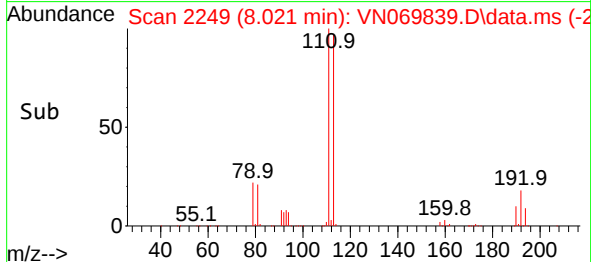
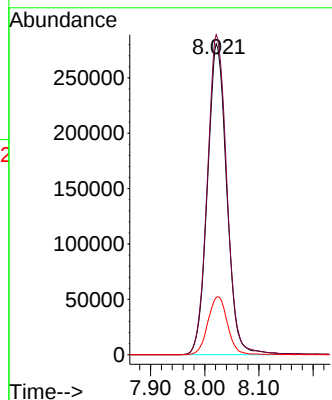
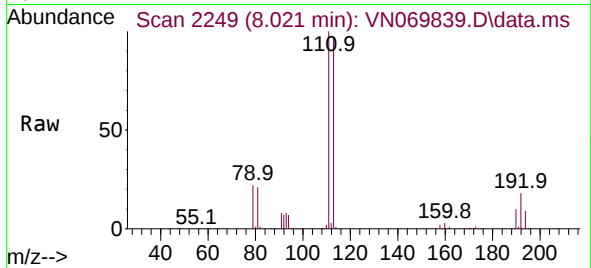




#35
 Dibromofluoromethane
 Concen: 47.535 ug/l
 RT: 8.021 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VN069839.D
 Acq: 8 Dec 2021 2:51

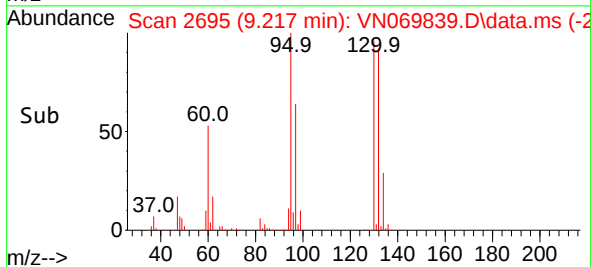
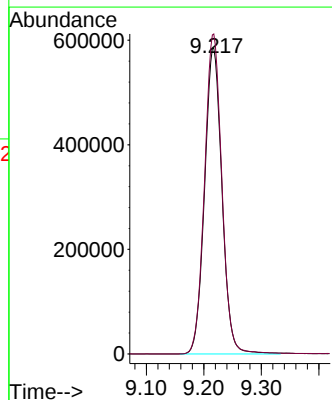
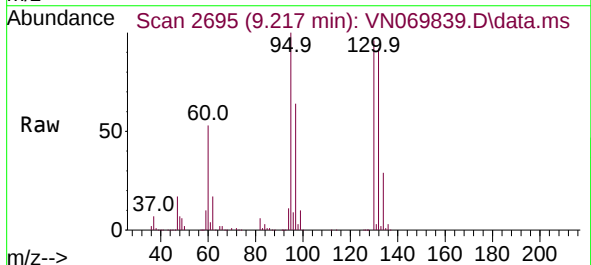
Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D1-20211206

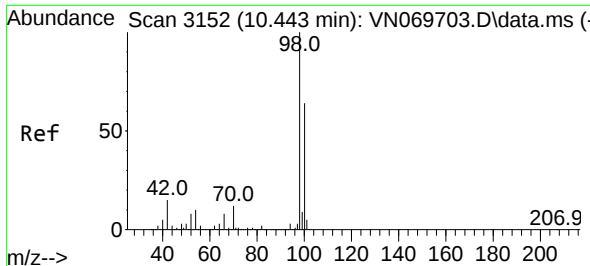
Tgt Ion:113 Resp: 695876
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.2 123.2
 192 18.8 16.9 25.3



#44
 Trichloroethene
 Concen: 75.650 ug/l
 RT: 9.217 min Scan# 2695
 Delta R.T. 0.000 min
 Lab File: VN069839.D
 Acq: 8 Dec 2021 2:51

Tgt Ion:130 Resp: 1227907
 Ion Ratio Lower Upper
 130 100
 95 104.6 0.0 191.2

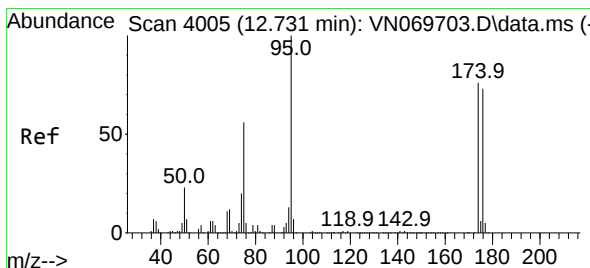
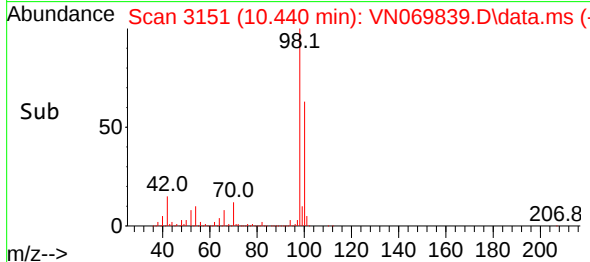
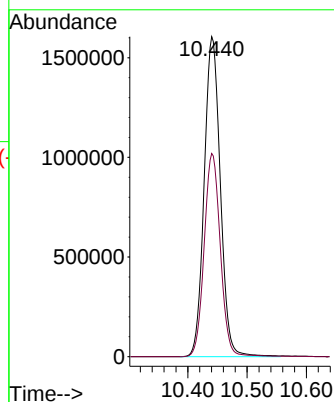
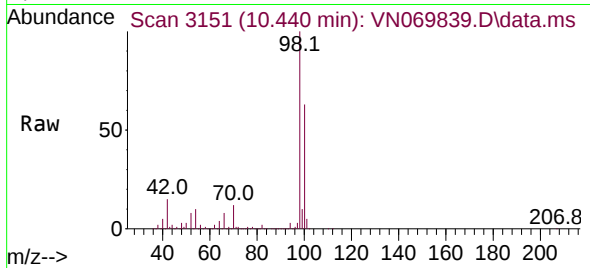




#50
Toluene-d8
Concen: 51.670 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

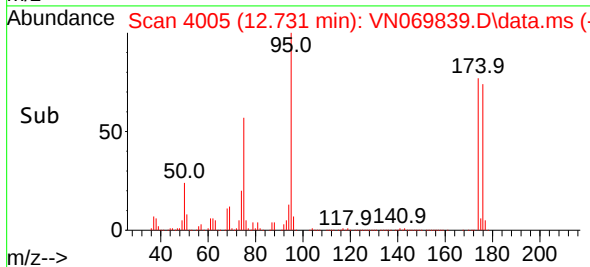
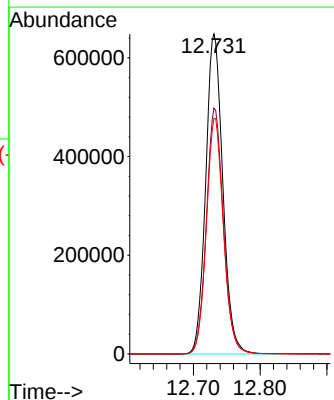
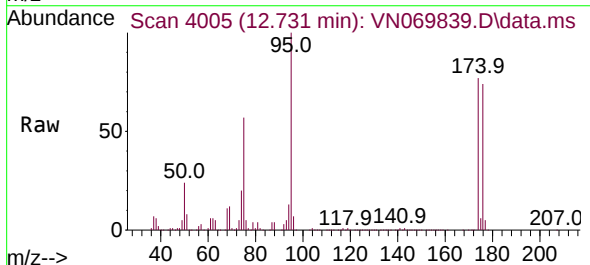
Instrument :
MSVOA_N
ClientSampleId :
MW179D1-20211206

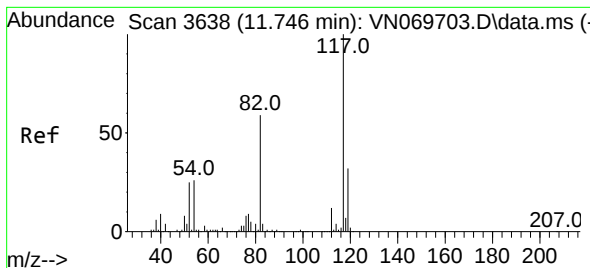
Tgt Ion: 98 Resp: 3037197
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 54.256 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069839.D
Acq: 8 Dec 2021 2:51

Tgt Ion: 95 Resp: 1155393
Ion Ratio Lower Upper
95 100
174 76.6 0.0 187.2
176 73.5 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3638

Delta R.T. -0.002 min

Lab File: VN069839.D

Acq: 8 Dec 2021 2:51

Instrument :

MSVOA_N

ClientSampleId :

MW179D1-20211206

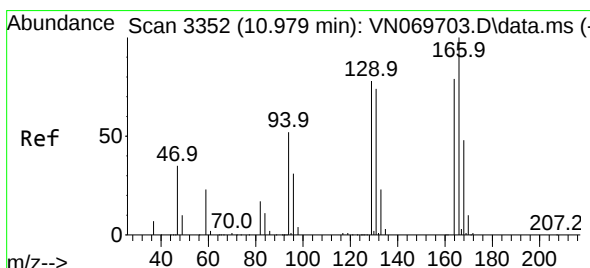
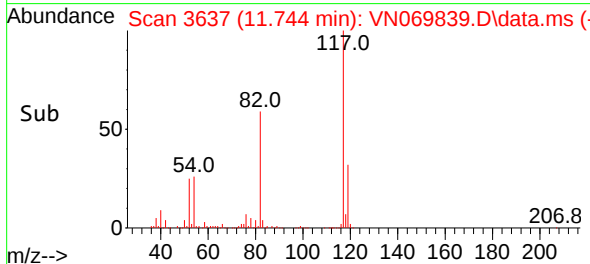
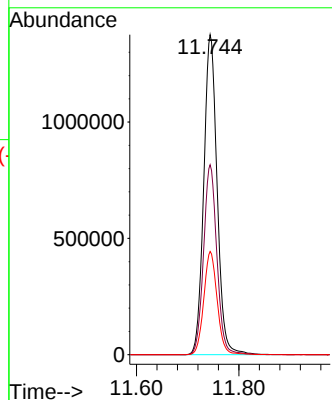
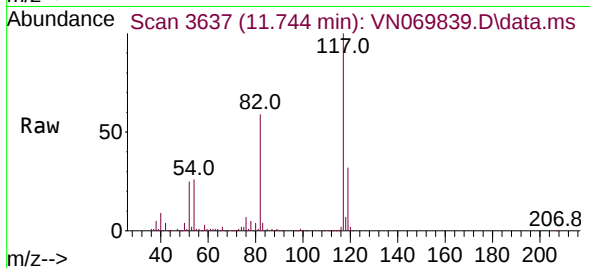
Tgt Ion:117 Resp: 2493475

Ion Ratio Lower Upper

117 100

82 59.4 42.4 63.6

119 32.3 25.4 38.2



#64

Tetrachloroethene

Concen: 6.470 ug/l

RT: 10.977 min Scan# 3351

Delta R.T. -0.002 min

Lab File: VN069839.D

Acq: 8 Dec 2021 2:51

Tgt Ion:164 Resp: 109383

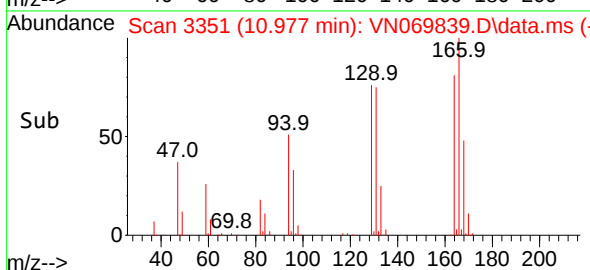
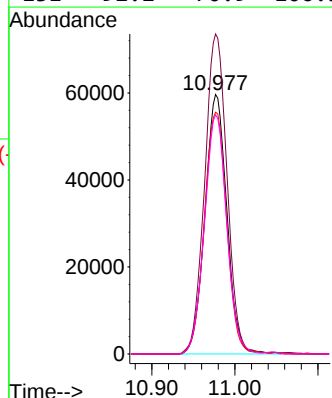
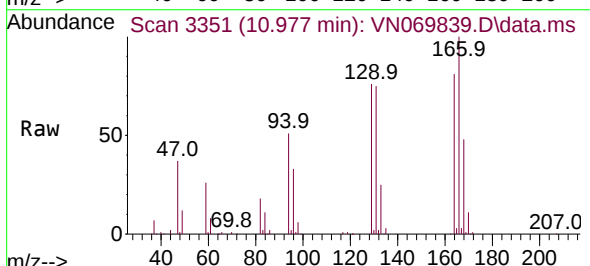
Ion Ratio Lower Upper

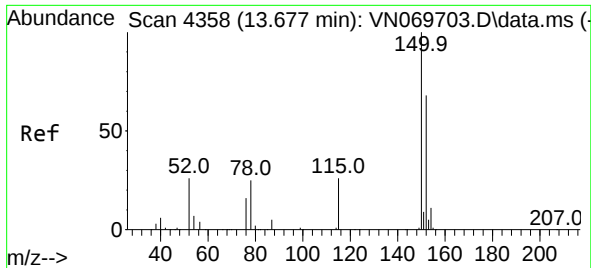
164 100

166 123.3 101.9 152.9

129 93.2 72.0 108.0

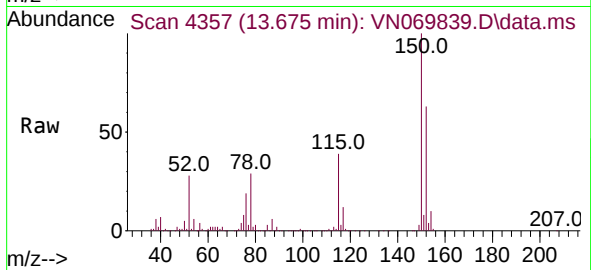
131 92.2 70.9 106.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN069839.D
 Acq: 8 Dec 2021 2:51

Instrument :
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Tgt Ion:152 Resp: 945289

Ion	Ratio	Lower	Upper
152	100		
115	60.3	27.5	82.5
150	156.4	0.0	344.4

