

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069840.D
 Acq On : 8 Dec 2021 3:16
 Operator : JC/MD
 Sample : M4957-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20211206

Quant Time: Dec 08 06:38:07 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)

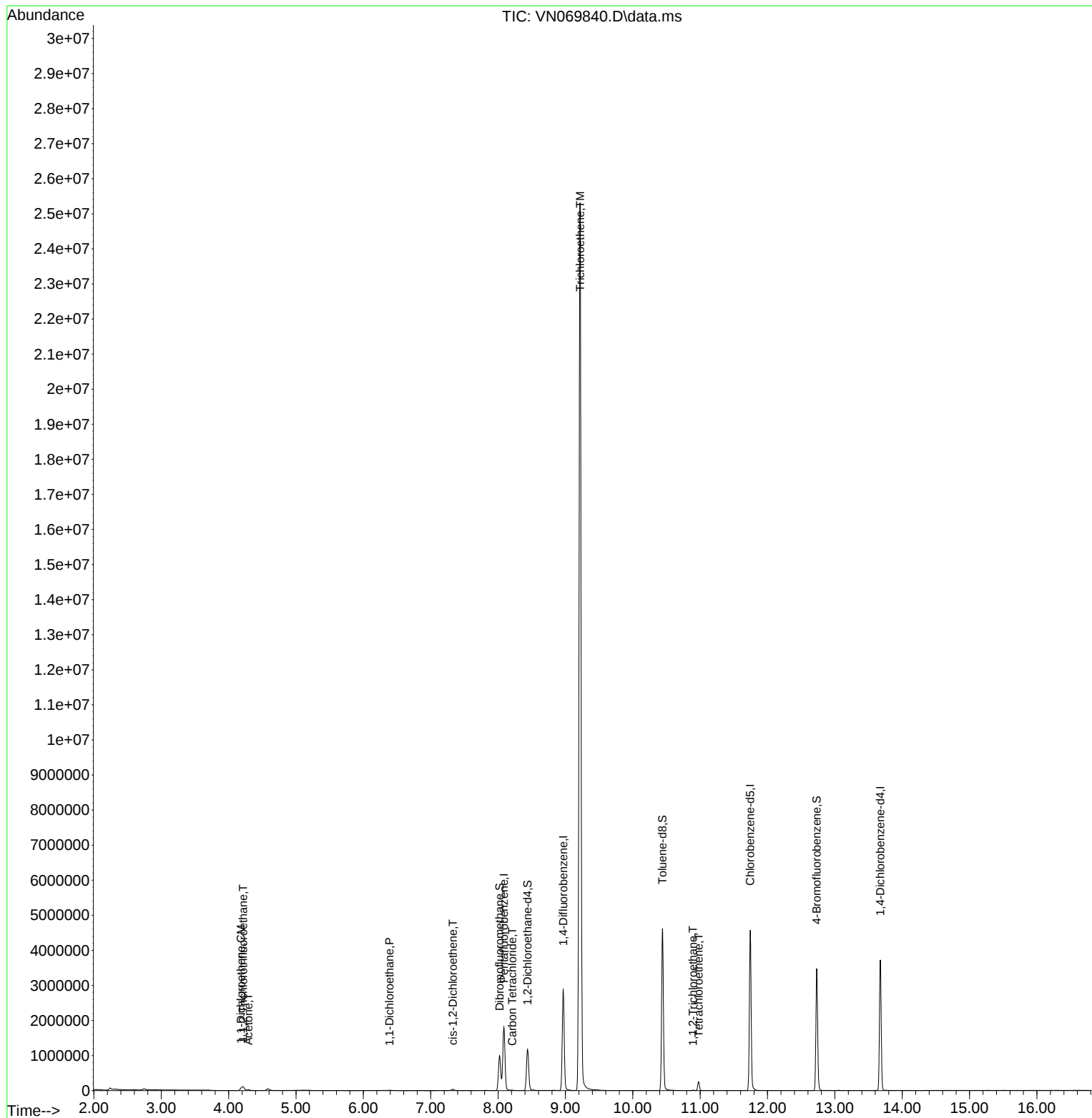
Internal Standards						
1) Pentafluorobenzene	8.086	168	1337325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2421595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2580140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1002653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1041299	50.430	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.860%	
35) Dibromofluoromethane	8.021	113	715771	47.188	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 94.380%	
50) Toluene-d8	10.440	98	3128402	51.365	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.720%	
62) 4-Bromofluorobenzene	12.731	95	1226272	55.576	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 111.160%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.216	101	61045	4.618	ug/l	97
12) 1,1-Dichloroethene	4.183	96	20992	1.648	ug/l	90
16) Acetone	4.293	43	32890	2.648	ug/l	95
24) 1,1-Dichloroethane	6.388	63	9269	0.319	ug/l #	91
27) cis-1,2-Dichloroethene	7.329	96	18715	1.120	ug/l	91
38) Carbon Tetrachloride	8.209	117	6669	0.295	ug/l #	92
44) Trichloroethene	9.217	130	8894367	528.854	ug/l	90
55) 1,1,2-Trichloroethane	10.894	97	4324	0.249	ug/l	87
64) Tetrachloroethene	10.977	164	54574	3.119	ug/l #	89

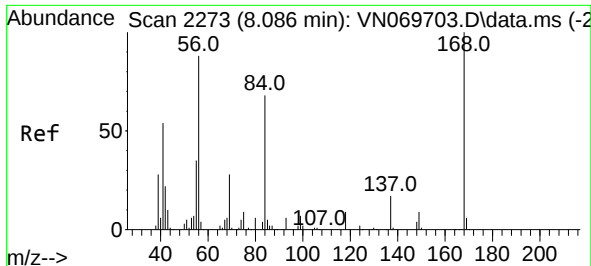
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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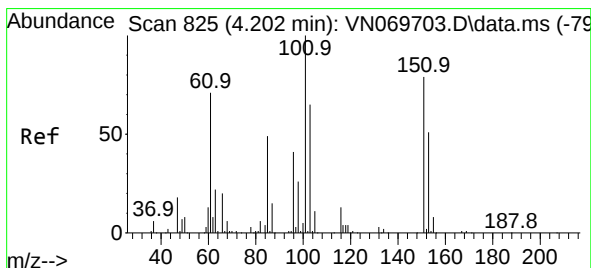
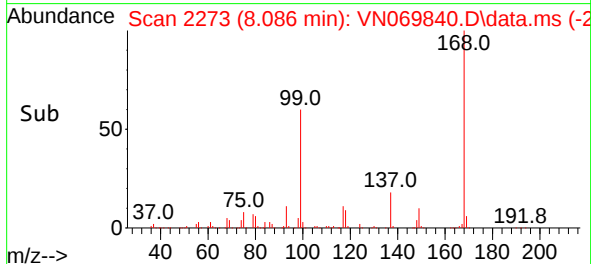
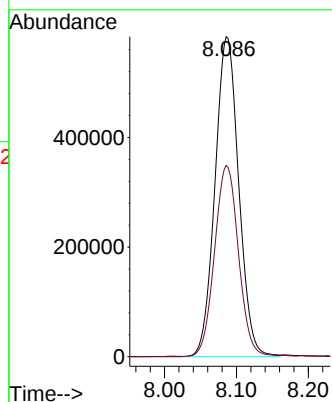
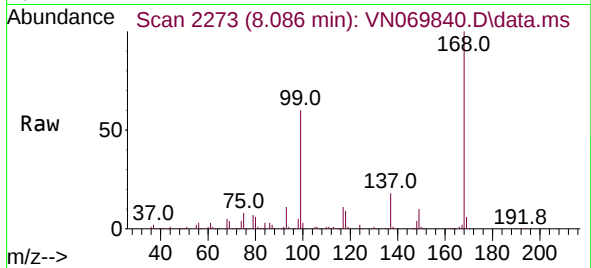




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069840.D
Acq: 8 Dec 2021 3:16

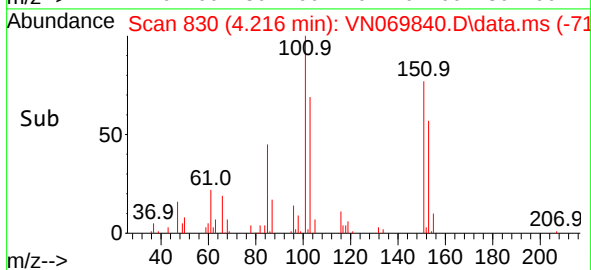
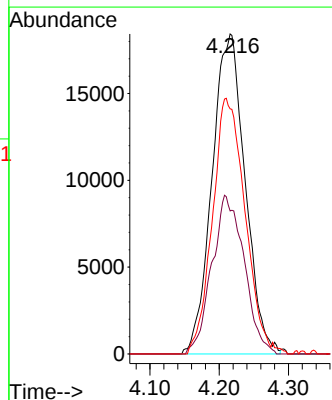
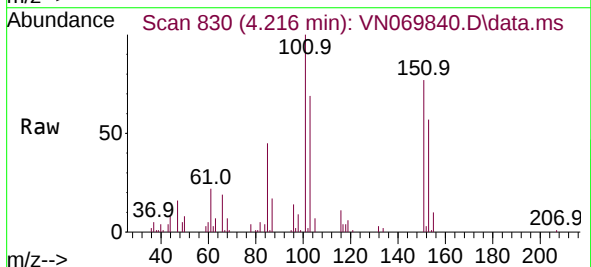
Instrument :
MSVOA_N
ClientSampleId :
RW4-20211206

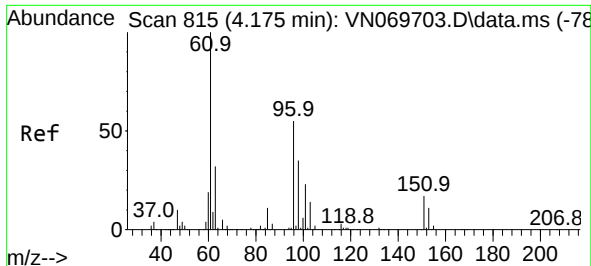
Tgt Ion:168 Resp: 1337325
Ion Ratio Lower Upper
168 100
99 59.7 41.3 61.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.618 ug/l
RT: 4.216 min Scan# 830
Delta R.T. 0.014 min
Lab File: VN069840.D
Acq: 8 Dec 2021 3:16

Tgt Ion:101 Resp: 61045
Ion Ratio Lower Upper
101 100
85 48.4 37.2 55.8
151 79.0 65.9 98.9





#12

1,1-Dichloroethene

Concen: 1.648 ug/l

RT: 4.183 min Scan# 815

Delta R.T. 0.008 min

Lab File: VN069840.D

Acq: 8 Dec 2021 3:16

Instrument :

MSVOA_N

ClientSampleId :

RW4-20211206

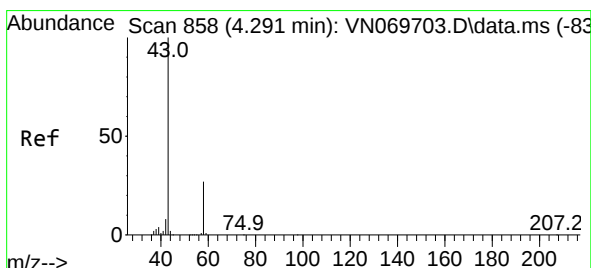
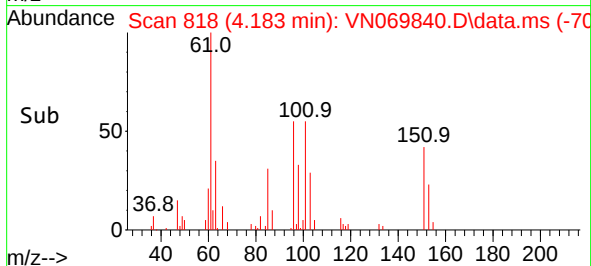
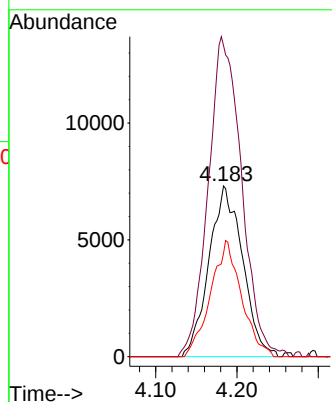
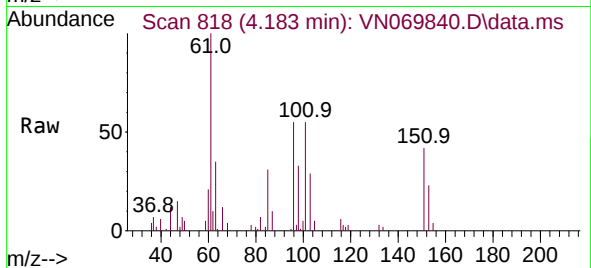
Tgt Ion: 96 Resp: 20992

Ion Ratio Lower Upper

96 100

61 180.0 131.0 196.6

98 60.7 52.4 78.6



#16

Acetone

Concen: 2.648 ug/l

RT: 4.293 min Scan# 859

Delta R.T. 0.003 min

Lab File: VN069840.D

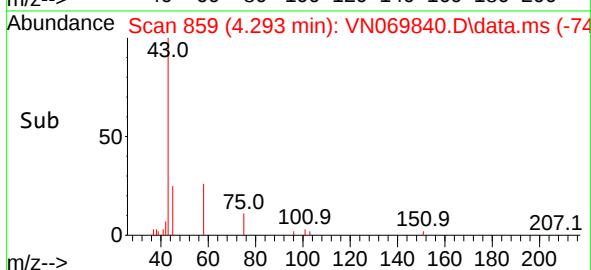
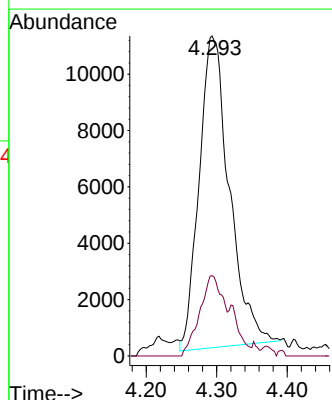
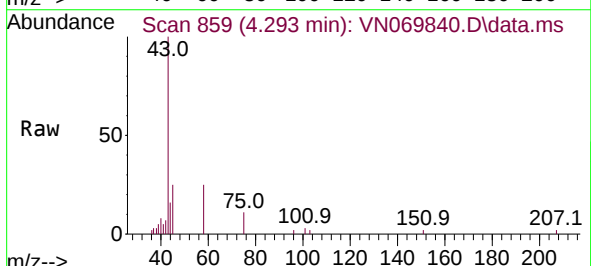
Acq: 8 Dec 2021 3:16

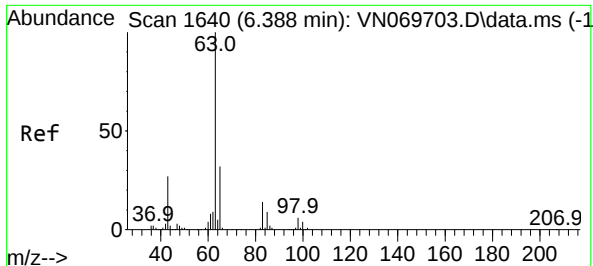
Tgt Ion: 43 Resp: 32890

Ion Ratio Lower Upper

43 100

58 26.3 23.1 34.7





#24

1,1-Dichloroethane

Concen: 0.319 ug/l

RT: 6.388 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN069840.D

Acq: 8 Dec 2021 3:16

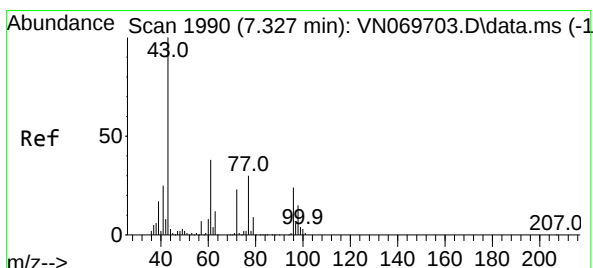
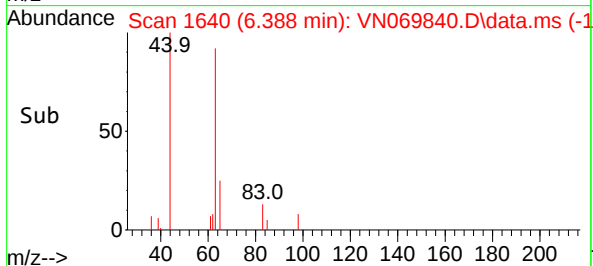
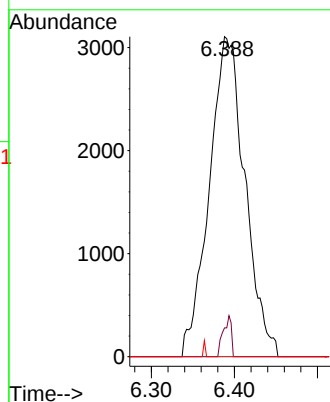
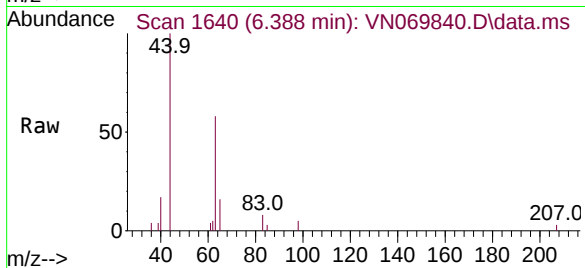
Instrument :

MSVOA_N

ClientSampleId :

RW4-20211206

Tgt Ion: 63	Resp: 9269
Ion Ratio	Lower Upper
63 100	
98 9.0	3.3 9.9
100 0.0	2.1 6.5



#27

cis-1,2-Dichloroethene

Concen: 1.120 ug/l

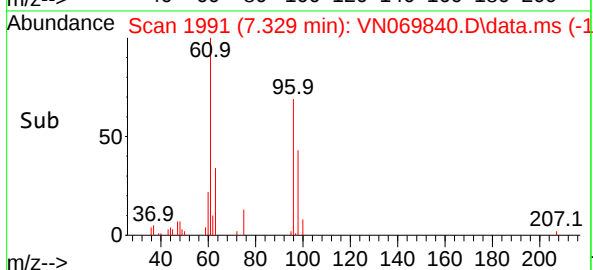
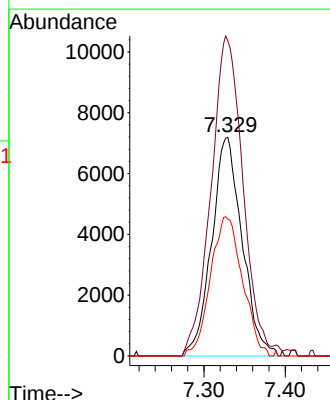
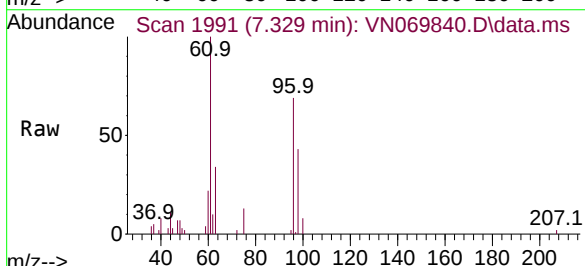
RT: 7.329 min Scan# 1991

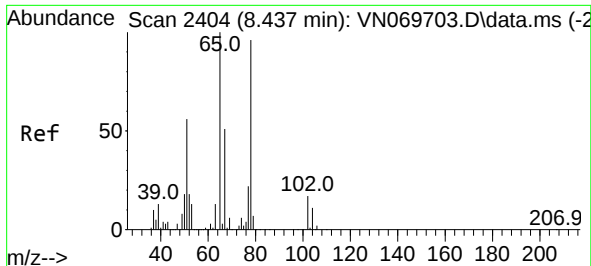
Delta R.T. 0.003 min

Lab File: VN069840.D

Acq: 8 Dec 2021 3:16

Tgt Ion: 96	Resp: 18715
Ion Ratio	Lower Upper
96 100	
61 152.3	0.0 275.0
98 66.9	0.0 129.6





#33

1,2-Dichloroethane-d4

Concen: 50.430 ug/l

RT: 8.437 min Scan# 24

Delta R.T. 0.000 min

Lab File: VN069840.D

Acq: 8 Dec 2021 3:16

Instrument :

MSVOA_N

ClientSampleId :

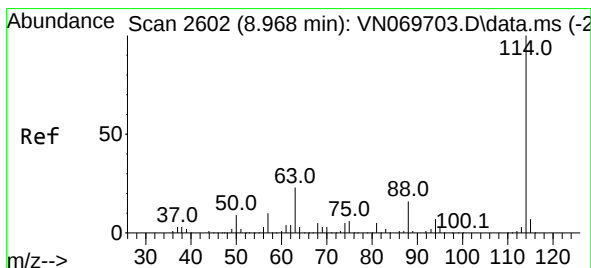
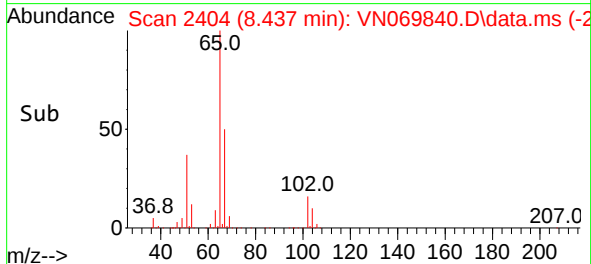
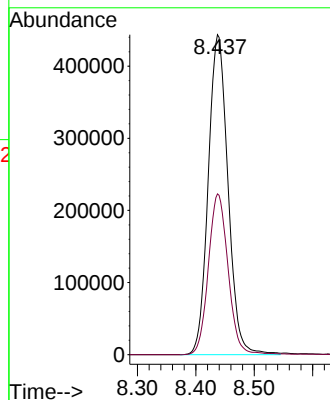
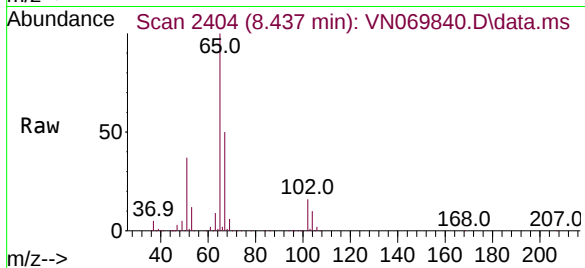
RW4-20211206

Tgt Ion: 65 Resp: 1041299

Ion Ratio Lower Upper

65 100

67 50.4 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: VN069840.D

Acq: 8 Dec 2021 3:16

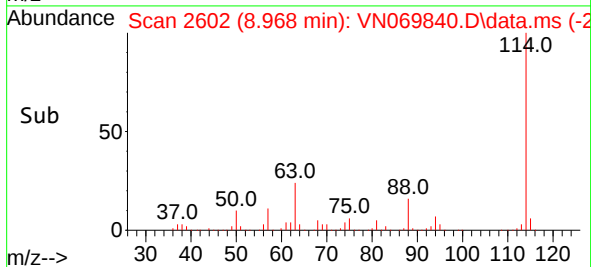
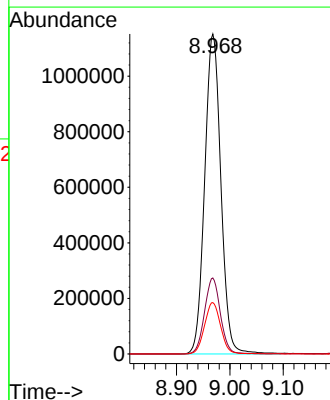
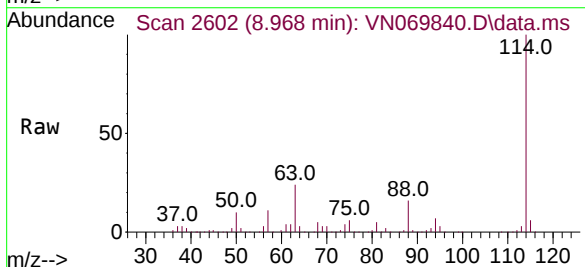
Tgt Ion: 114 Resp: 2421595

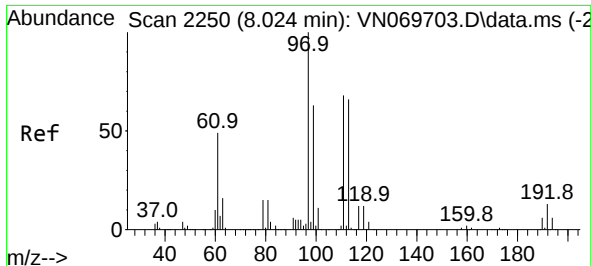
Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

88 16.1 0.0 27.4

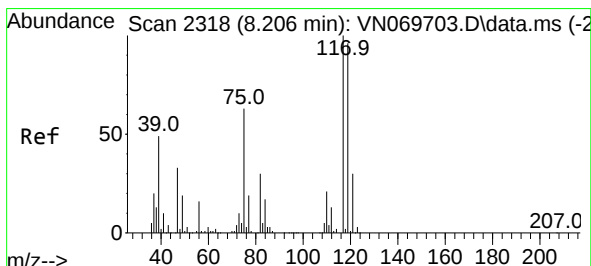
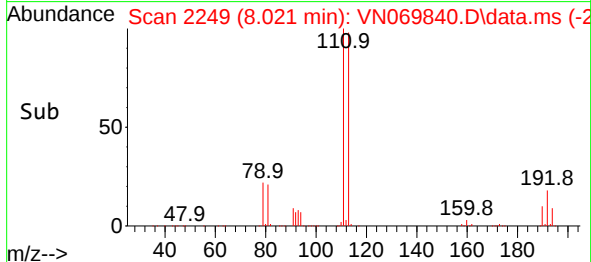
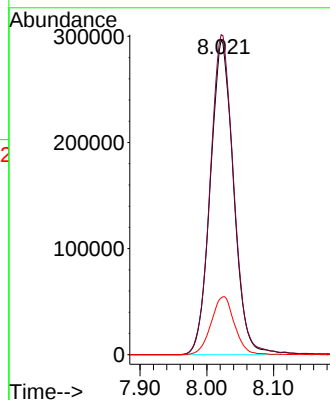
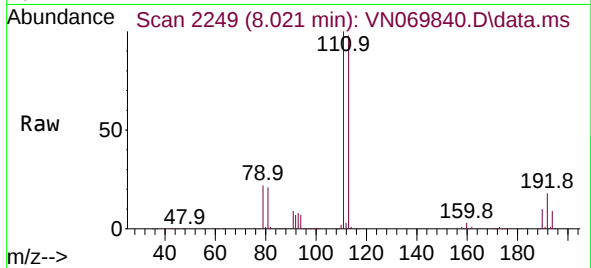




#35
Dibromofluoromethane
Concen: 47.188 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN069840.D
Acq: 8 Dec 2021 3:16

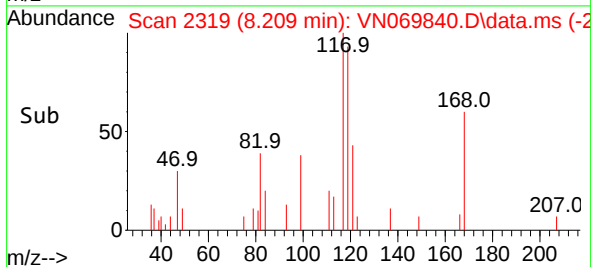
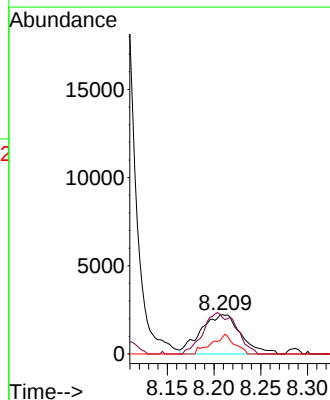
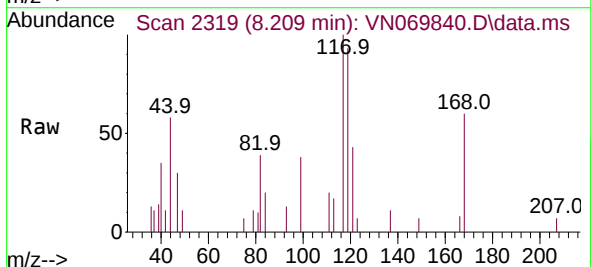
Instrument :
MSVOA_N
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RW4-20211206

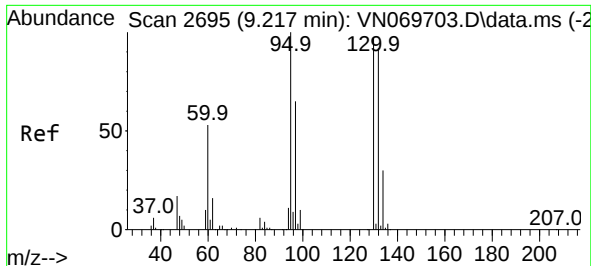
Tgt Ion:113 Resp: 715771
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 18.6 16.9 25.3



#38
Carbon Tetrachloride
Concen: 0.295 ug/l
RT: 8.209 min Scan# 2319
Delta R.T. 0.003 min
Lab File: VN069840.D
Acq: 8 Dec 2021 3:16

Tgt Ion:117 Resp: 6669
Ion Ratio Lower Upper
117 100
119 92.7 76.1 114.1
121 43.4 24.2 36.2#

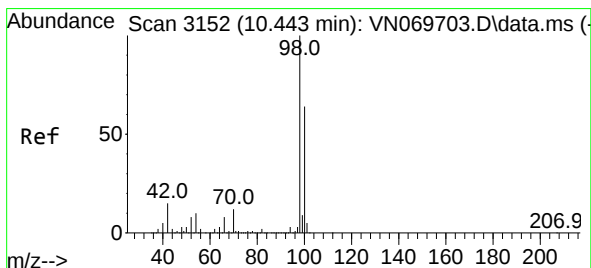
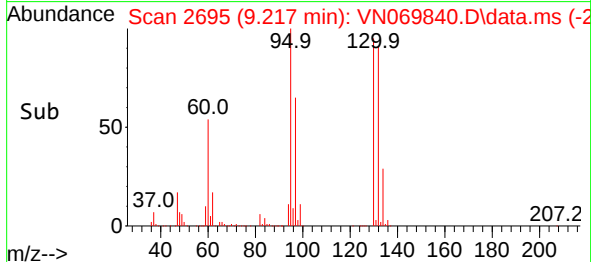
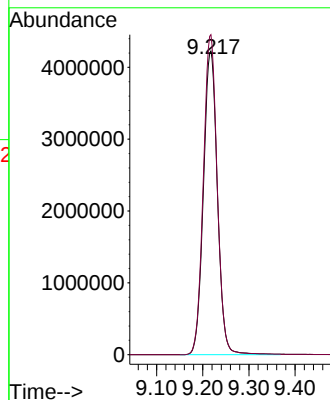
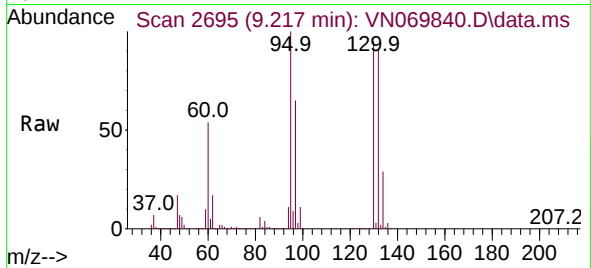




#44
Trichloroethene
Concen: 528.854 ug/l
RT: 9.217 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN069840.D
Acq: 8 Dec 2021 3:16

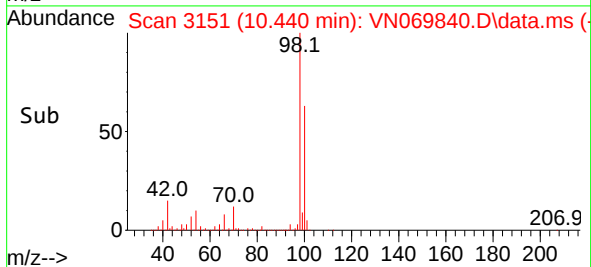
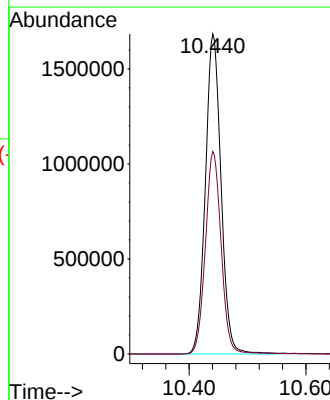
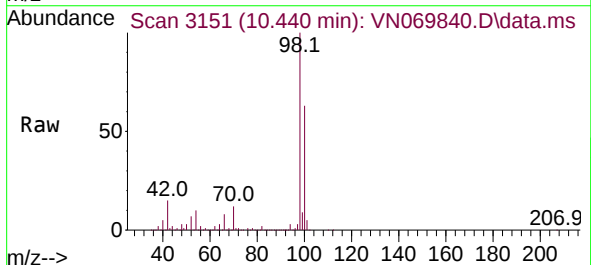
Instrument :
MSVOA_N
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RW4-20211206

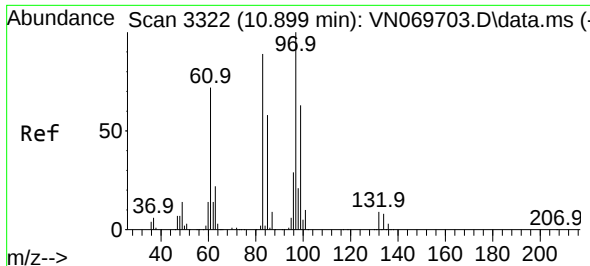
Tgt Ion:130 Resp: 8894367
Ion Ratio Lower Upper
130 100
95 105.4 0.0 191.2



#50
Toluene-d8
Concen: 51.365 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069840.D
Acq: 8 Dec 2021 3:16

Tgt Ion: 98 Resp: 3128402
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6

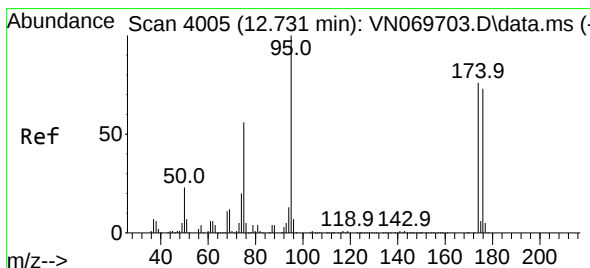
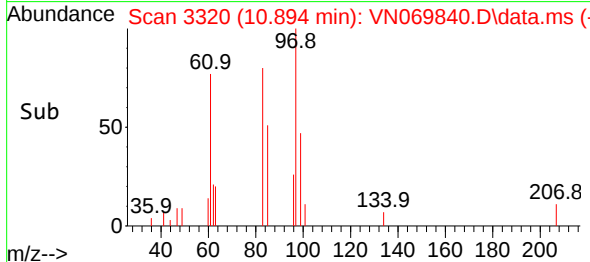
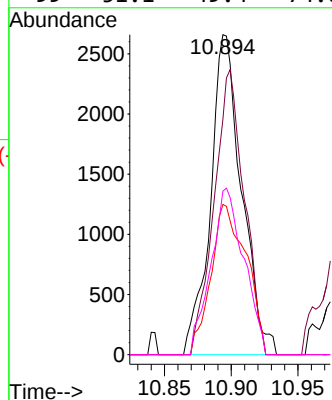
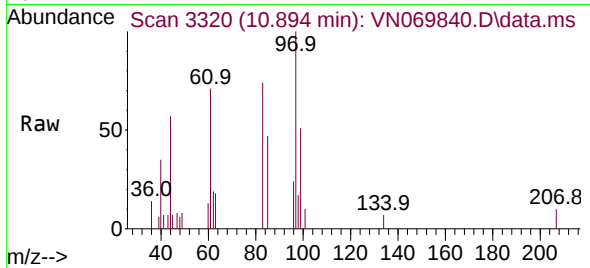




#55
1,1,2-Trichloroethane
Concen: 0.249 ug/l
RT: 10.894 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069840.D
Acq: 8 Dec 2021 3:16

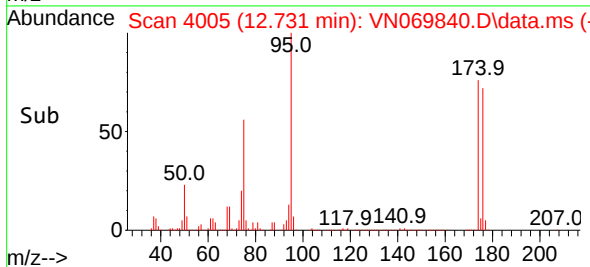
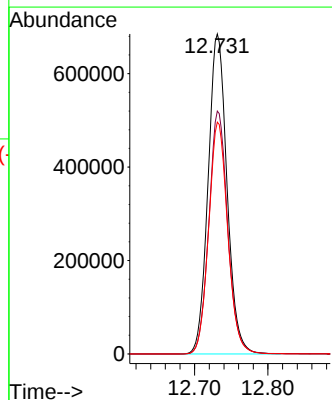
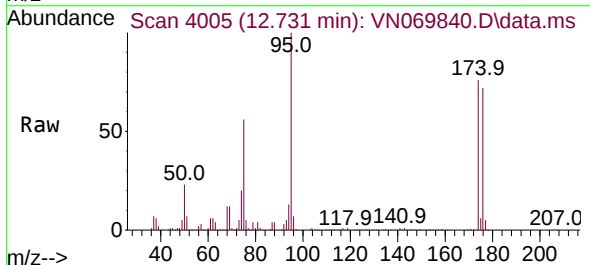
Instrument :
MSVOA_N
ClientSampleId :
RW4-20211206

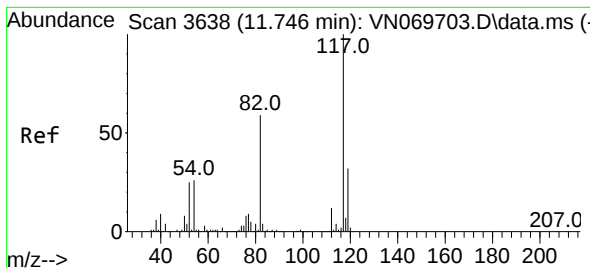
Tgt Ion: 97	Resp: 4324
Ion Ratio	Lower Upper
97 100	
83 73.6	67.8 101.6
85 46.9	45.4 68.2
99 51.1	49.4 74.0



#62
4-Bromofluorobenzene
Concen: 55.576 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069840.D
Acq: 8 Dec 2021 3:16

Tgt Ion: 95	Resp: 1226272
Ion Ratio	Lower Upper
95 100	
174 75.7	0.0 187.2
176 73.0	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: VN069840.D

Acq: 8 Dec 2021 3:16

Instrument :

MSVOA_N

ClientSampleId :

RW4-20211206

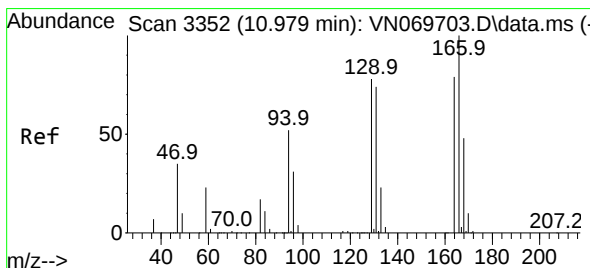
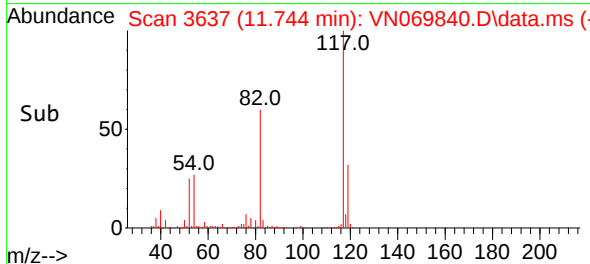
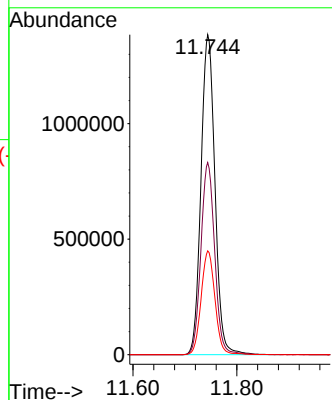
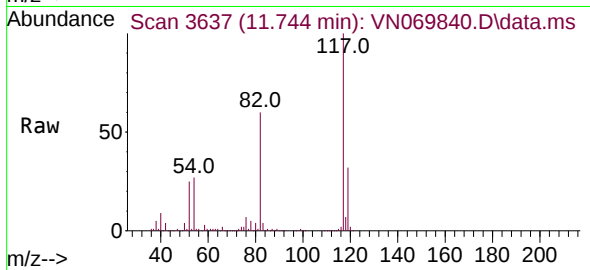
Tgt Ion:117 Resp: 2580140

Ion Ratio Lower Upper

117 100

82 60.1 42.4 63.6

119 32.5 25.4 38.2



#64

Tetrachloroethene

Concen: 3.119 ug/l

RT: 10.977 min Scan# 3351

Delta R.T. -0.002 min

Lab File: VN069840.D

Acq: 8 Dec 2021 3:16

Tgt Ion:164 Resp: 54574

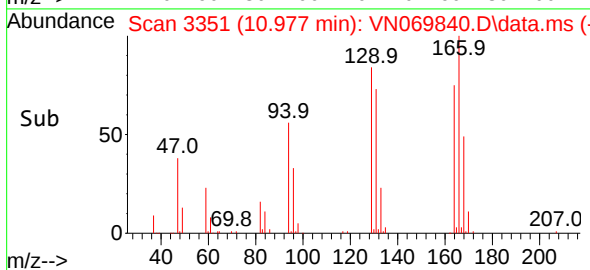
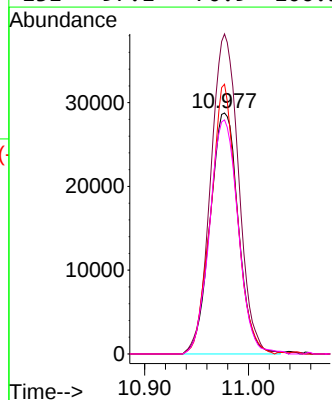
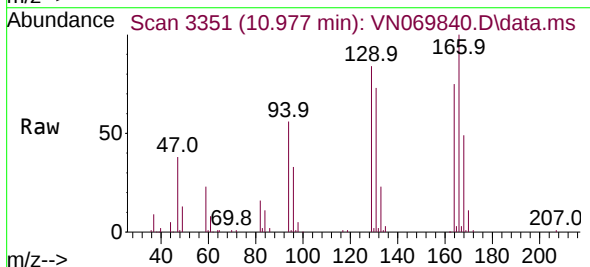
Ion Ratio Lower Upper

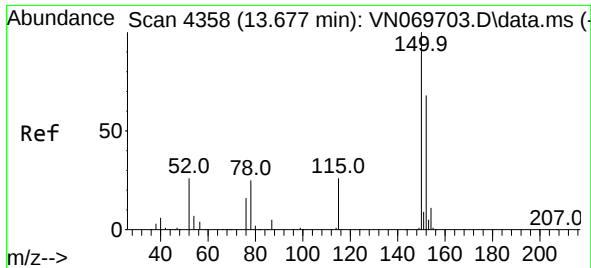
164 100

166 132.8 101.9 152.9

129 112.0 72.0 108.0#

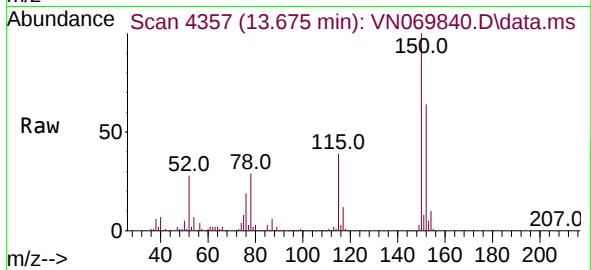
131 97.1 70.9 106.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN069840.D
 Acq: 8 Dec 2021 3:16

Instrument :
 MSVOA_N
 ClientSampleId :
 RW4-20211206



Tgt Ion:152 Resp: 1002653

Ion	Ratio	Lower	Upper
152	100		
115	59.9	27.5	82.5
150	156.2	0.0	344.4

