

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069821.D
 Acq On : 7 Dec 2021 17:57
 Operator : JC/MD
 Sample : M4956-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D2-20211205

Quant Time: Dec 08 04:38:06 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)

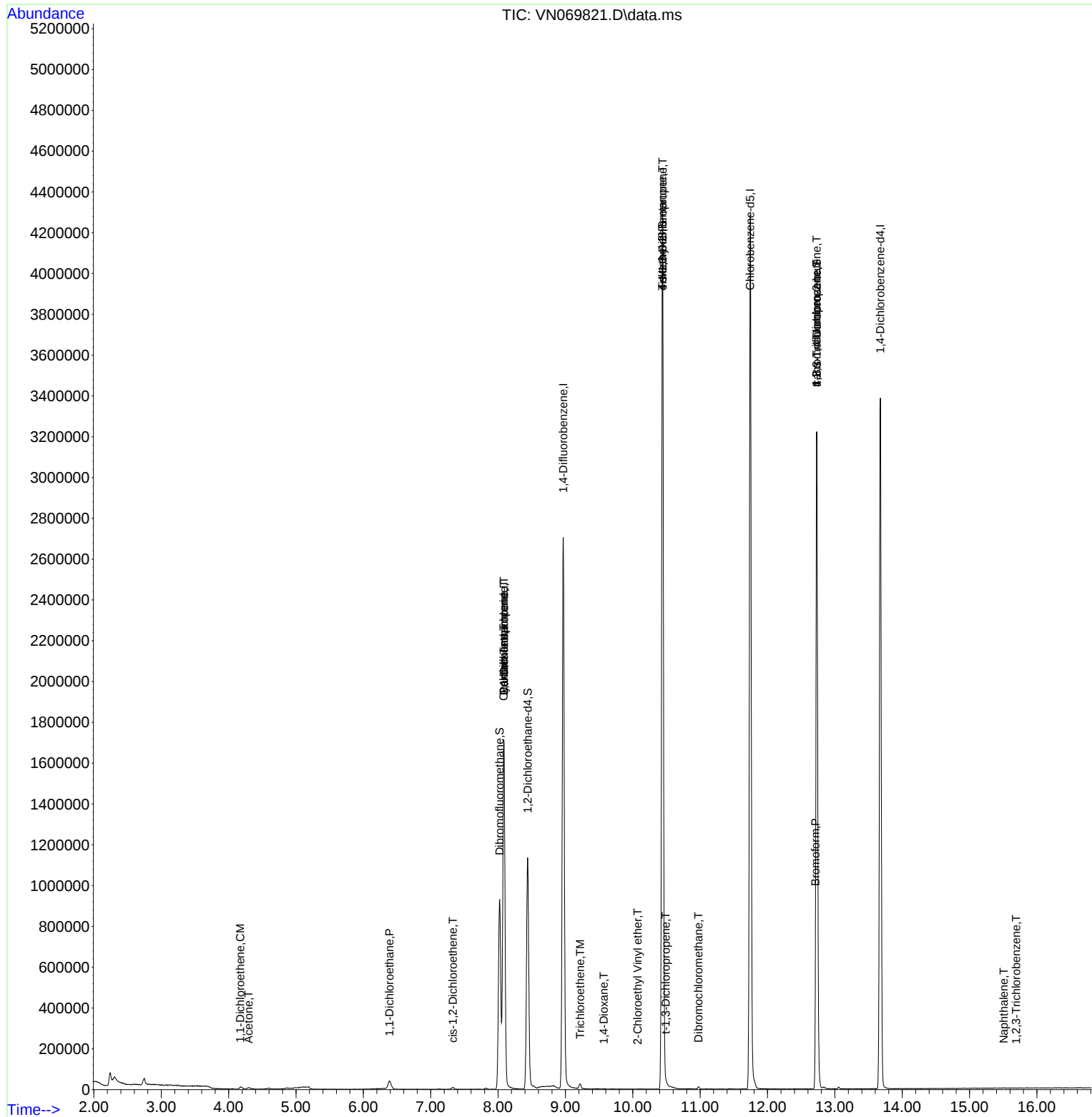
Internal Standards						
1) Pentafluorobenzene	8.086	168	1274993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2299162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2415411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	917758	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	992189	50.40	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.80%			
35) Dibromofluoromethane	8.024	113	681124	47.30	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.60%			
50) Toluene-d8	10.440	98	2950055	51.02	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.04%			
62) 4-Bromofluorobenzene	12.731	95	1133129	54.09	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.18%			
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	4.173	96	3373	0.28	ug/l	95
16) Acetone	4.296	43	12225	1.03	ug/l	95
24) 1,1-Dichloroethane	6.385	63	53161	1.92	ug/l	95
27) cis-1,2-Dichloroethene	7.329	96	4925	0.31	ug/l	97
31) Cyclohexane	8.083	56	32564	1.19	ug/l #	37
36) 1,1-Dichloropropene	8.086	75	109094	4.98	ug/l #	49
38) Carbon Tetrachloride	8.086	117	129543	6.04	ug/l #	16
44) Trichloroethene	9.217	130	7906	0.50	ug/l	94
49) 1,4-Dioxane	9.572	88	661	1.64	ug/l #	43
51) 4-Methyl-2-Pentanone	10.440	43	16113	0.52	ug/l #	1
53) t-1,3-Dichloropropene	10.489	75	26	2.80	ug/l #	43
54) cis-1,3-Dichloropropene	10.443	75	273	2.01	ug/l #	22
58) 2-Chloroethyl Vinyl ether	10.070	63	125	18.40	ug/l #	45
60) Dibromochloromethane	10.974	129	2185	2.49	ug/l #	11
71) Bromoform	12.712	173	660	2.77	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	627790	23.85	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	627790	75.79	ug/l #	5
95) Naphthalene	15.507	128	872	4.00	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.692	180	127	2.44	ug/l #	12

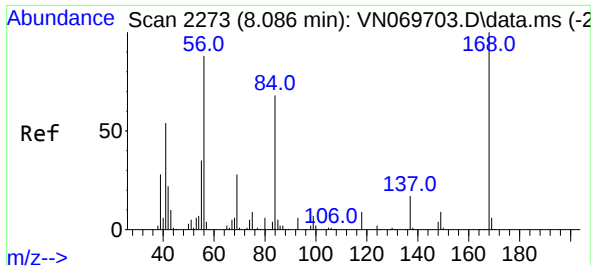
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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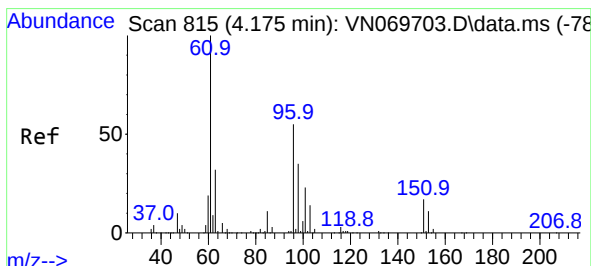
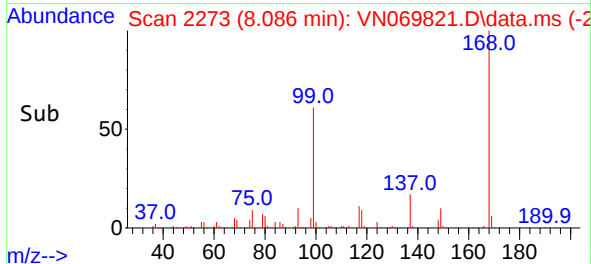
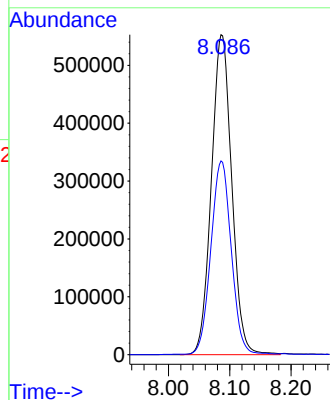
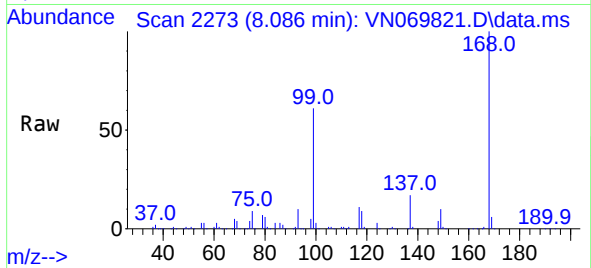




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

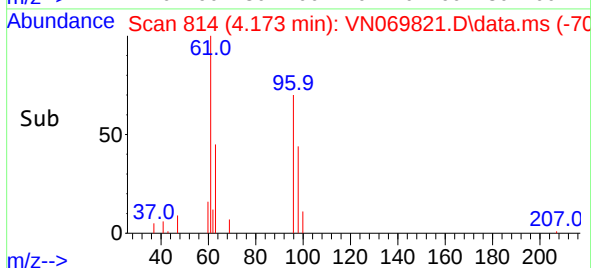
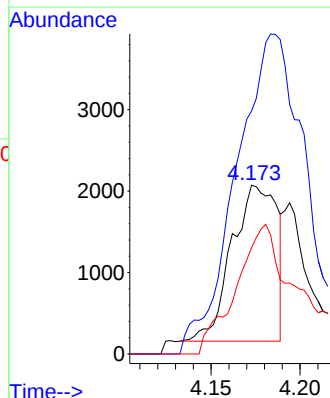
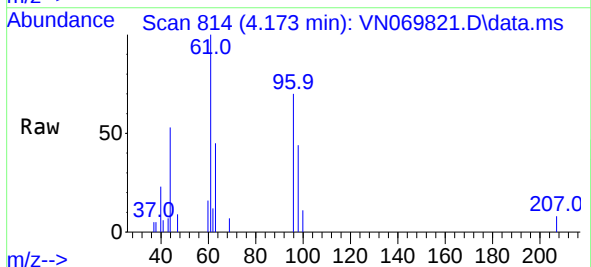
Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20211205

Tgt Ion:168 Resp: 1274993
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#12
1,1-Dichloroethene
Concen: 0.28 ug/l
RT: 4.173 min Scan# 814
Delta R.T. -0.003 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

Tgt Ion: 96 Resp: 3373
Ion Ratio Lower Upper
96 100
61 155.7 131.0 196.6
98 68.2 52.4 78.6

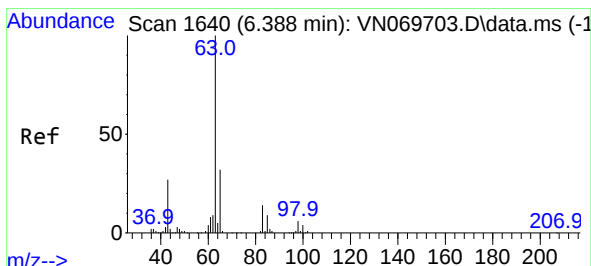
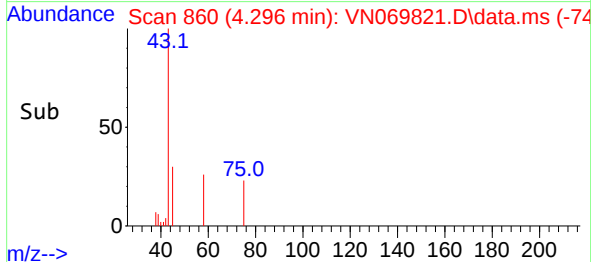
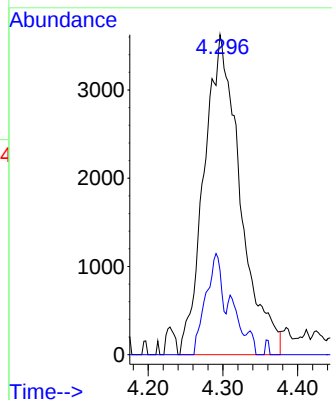
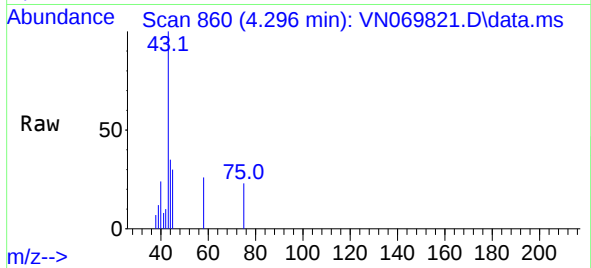




#16
Acetone
Concen: 1.03 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.006 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

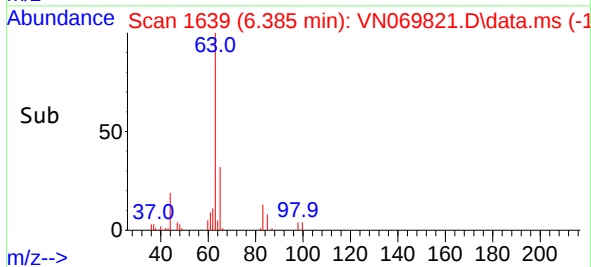
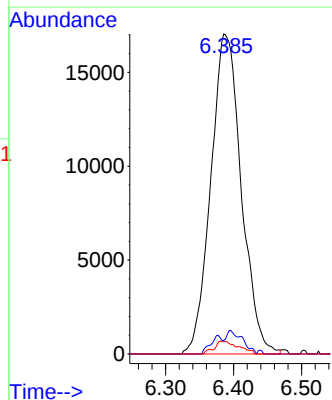
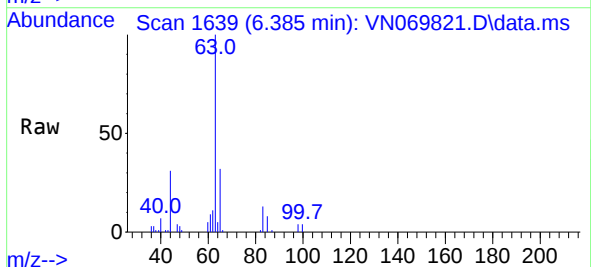
Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20211205

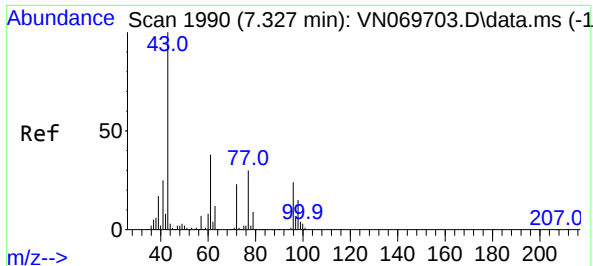
Tgt Ion: 43 Resp: 12225
Ion Ratio Lower Upper
43 100
58 26.3 23.1 34.7



#24
1,1-Dichloroethane
Concen: 1.92 ug/l
RT: 6.385 min Scan# 1639
Delta R.T. -0.003 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

Tgt Ion: 63 Resp: 53161
Ion Ratio Lower Upper
63 100
98 4.1 3.3 9.9
100 3.8 2.1 6.5

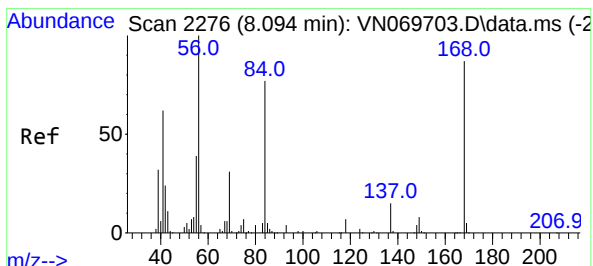
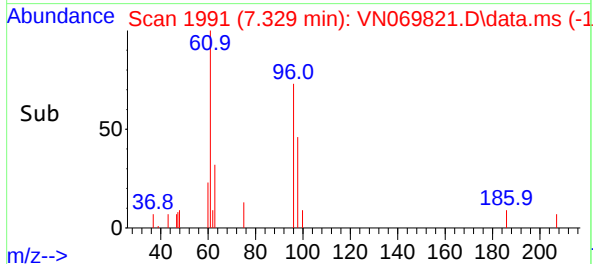
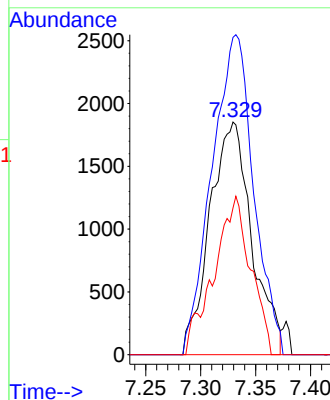
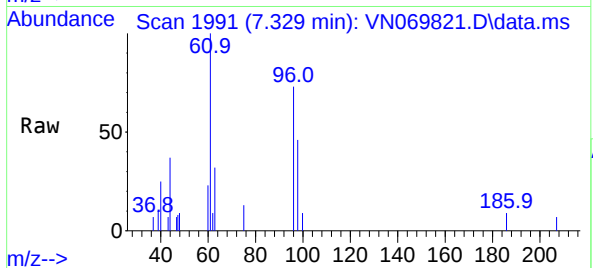




#27
 cis-1,2-Dichloroethene
 Concen: 0.31 ug/l
 RT: 7.329 min Scan# 1991
 Delta R.T. 0.003 min
 Lab File: VN069821.D
 Acq: 7 Dec 2021 17:57

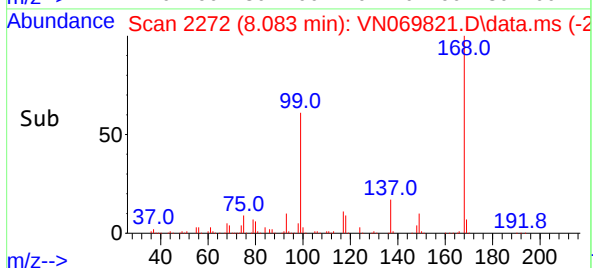
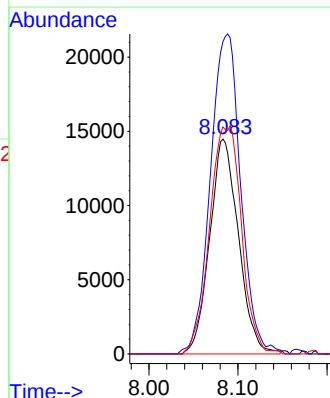
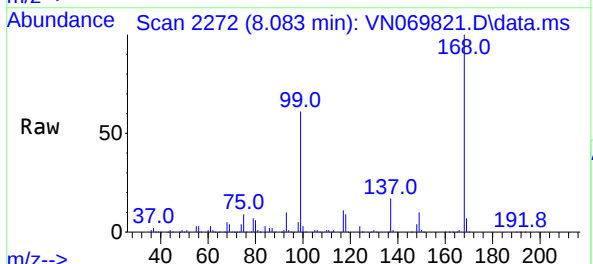
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D2-20211205

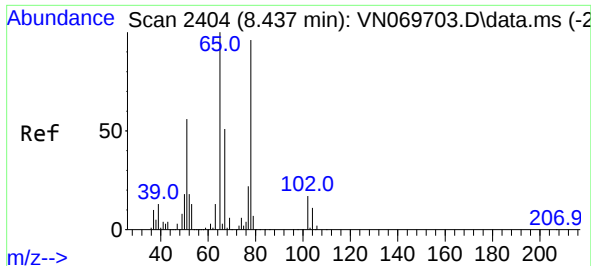
Tgt Ion:	96	Resp:	4925
Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	275.0
98	59.6	0.0	129.6



#31
 Cyclohexane
 Concen: 1.19 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.011 min
 Lab File: VN069821.D
 Acq: 7 Dec 2021 17:57

Tgt Ion:	56	Resp:	32564
Ion	Ratio	Lower	Upper
56	100		
69	144.2	27.1	40.7#
84	105.6	73.4	110.0





#33

1,2-Dichloroethane-d4

Concen: 50.40 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN069821.D

Acq: 7 Dec 2021 17:57

Instrument :

MSVOA_N

ClientSampleId :

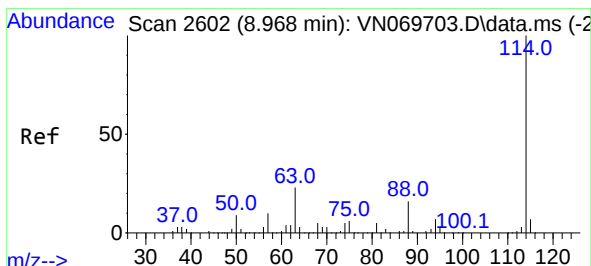
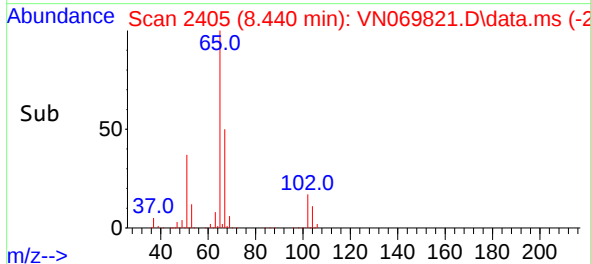
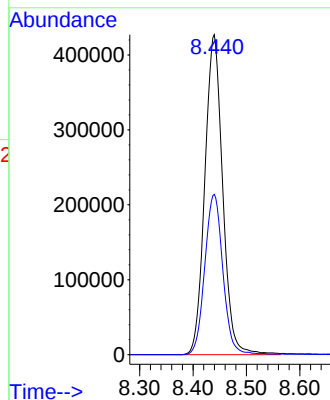
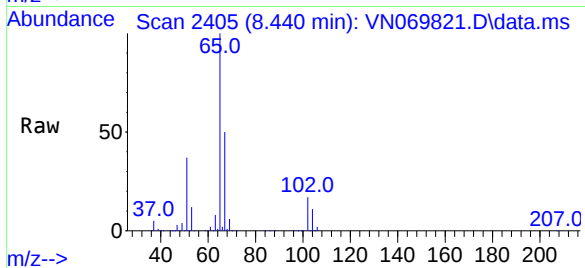
MW203D2-20211205

Tgt Ion: 65 Resp: 992189

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069821.D

Acq: 7 Dec 2021 17:57

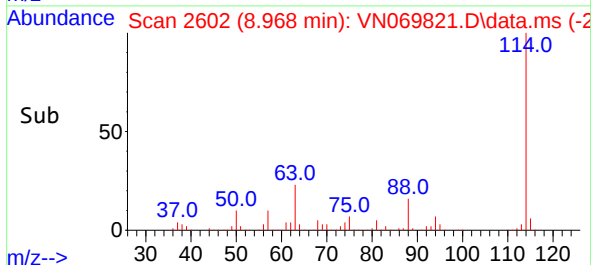
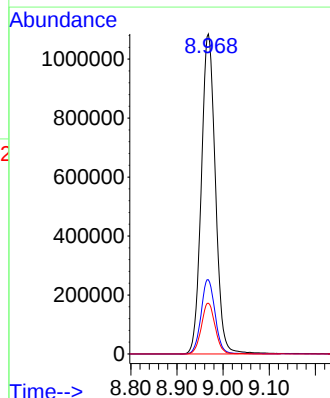
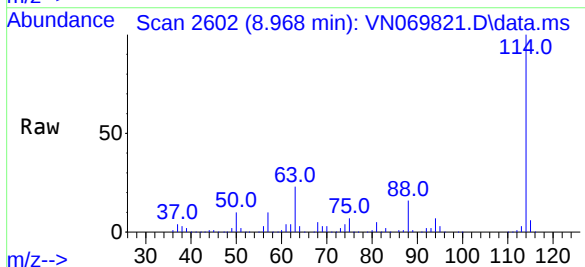
Tgt Ion: 114 Resp: 2299162

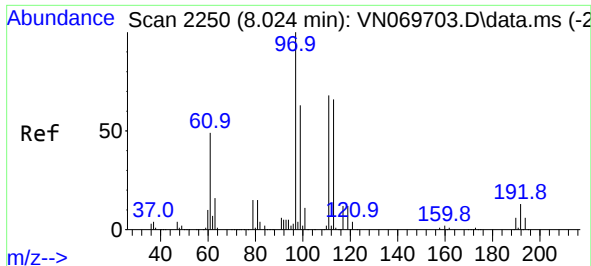
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

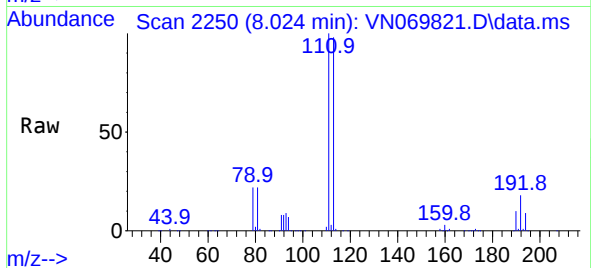
88 15.9 0.0 27.4



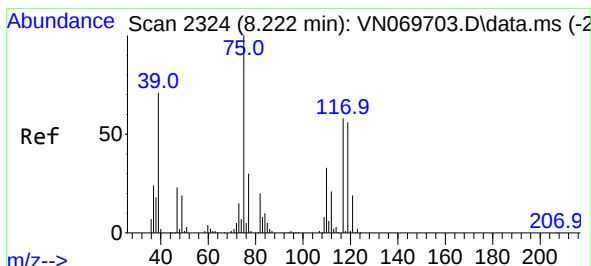
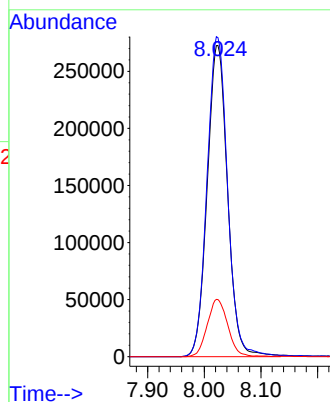
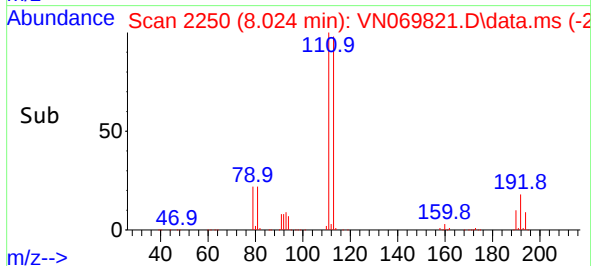


#35
Dibromofluoromethane
Concen: 47.30 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

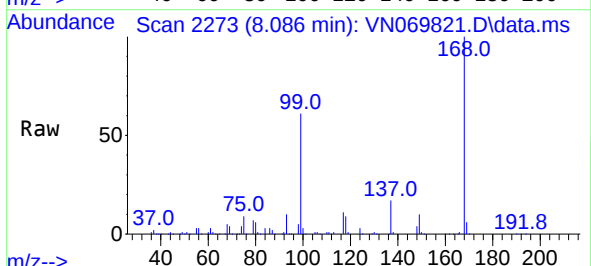
Instrument :
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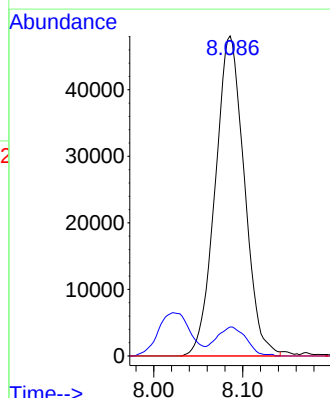
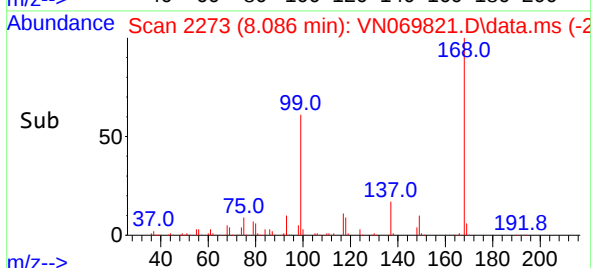
Tgt Ion:113 Resp: 681124
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 18.5 16.9 25.3

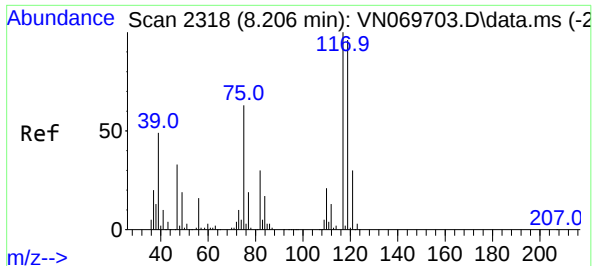


#36
1,1-Dichloropropene
Concen: 4.98 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57



Tgt Ion: 75 Resp: 109094
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.4 36.6#

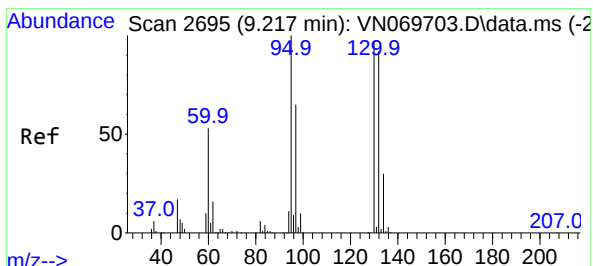
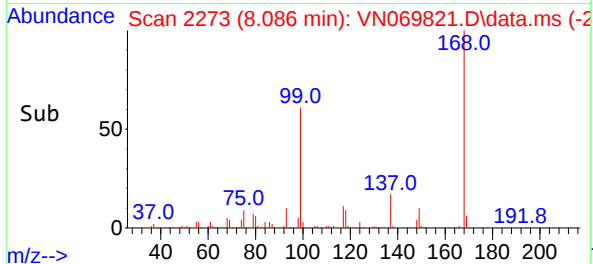
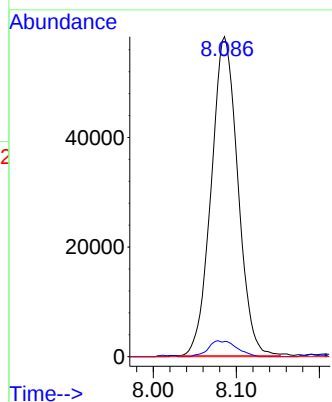
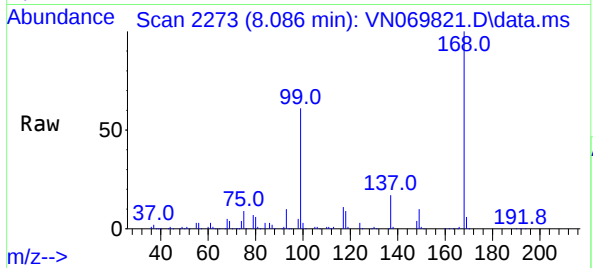




#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

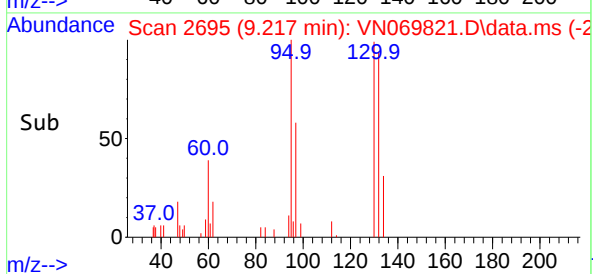
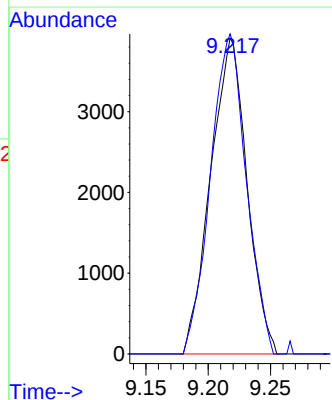
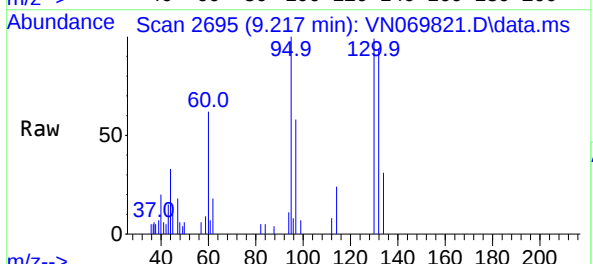
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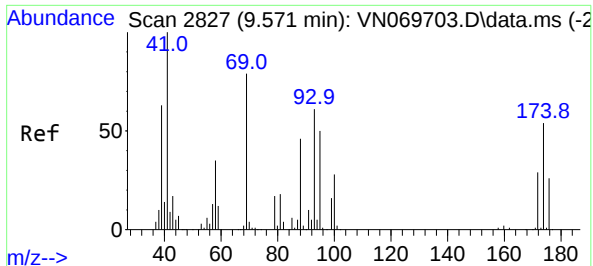
Tgt Ion:117 Resp: 129543
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 0.50 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

Tgt Ion:130 Resp: 7906
Ion Ratio Lower Upper
130 100
95 101.3 0.0 191.2

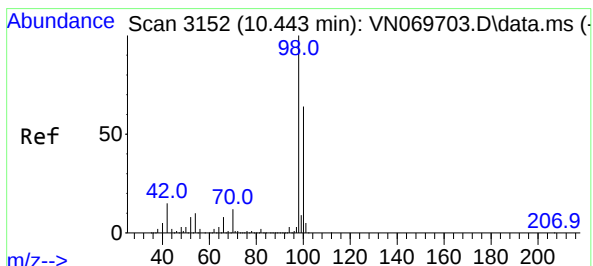
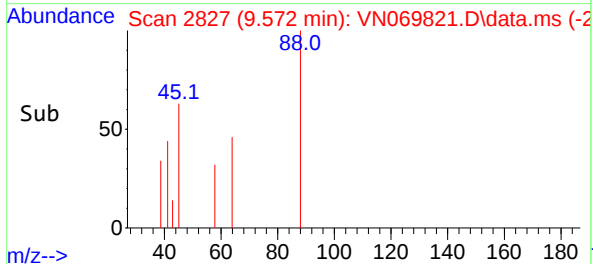
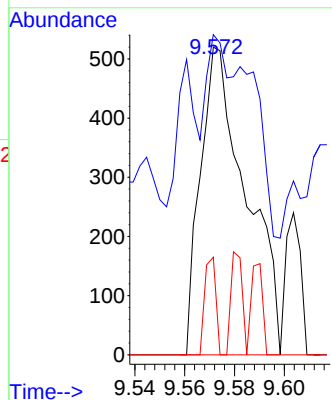
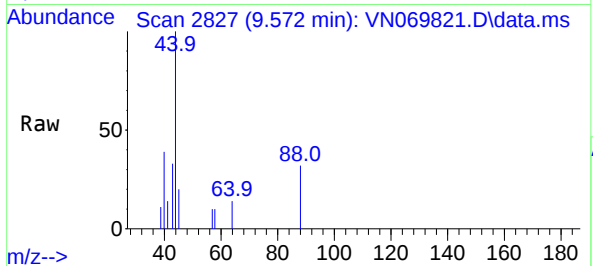




#49
1,4-Dioxane
Concen: 1.64 ug/l
RT: 9.572 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

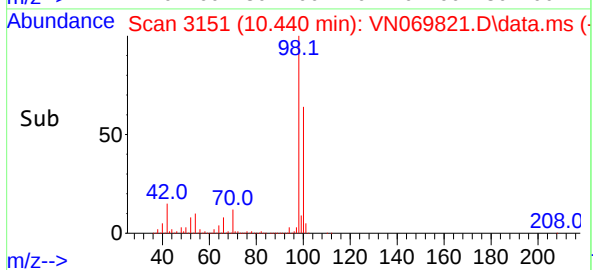
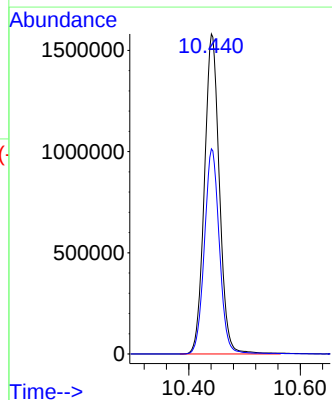
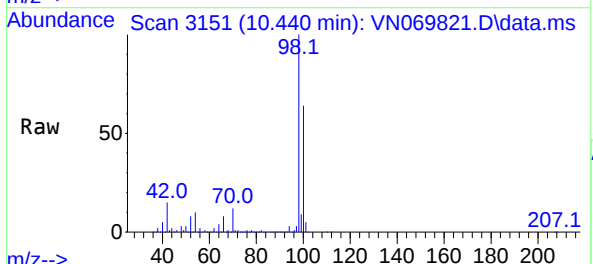
Instrument :
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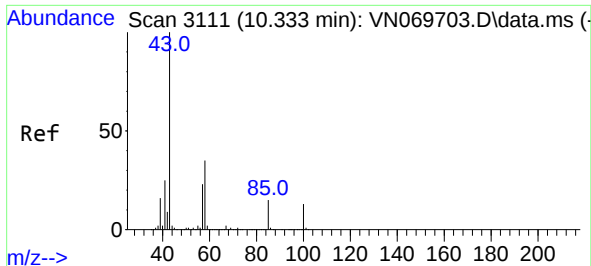
Tgt Ion: 88 Resp: 661
Ion Ratio Lower Upper
88 100
43 16.0 23.4 35.2#
58 7.7 50.6 75.8#



#50
Toluene-d8
Concen: 51.02 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

Tgt Ion: 98 Resp: 2950055
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.52 ug/l

RT: 10.440 min Scan# 3111

Delta R.T. 0.107 min

Lab File: VN069821.D

Acq: 7 Dec 2021 17:57

Instrument :

MSVOA_N

ClientSampleId :

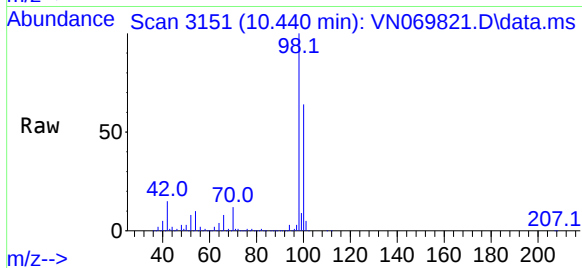
MW203D2-20211205

Tgt Ion: 43 Resp: 16113

Ion Ratio Lower Upper

43 100

58 166.9 30.4 45.6#



Abundance

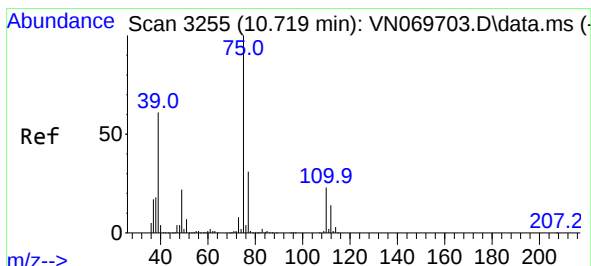
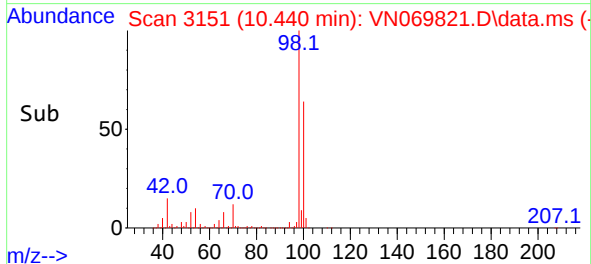
10000

10.440

5000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.80 ug/l

RT: 10.489 min Scan# 3169

Delta R.T. -0.230 min

Lab File: VN069821.D

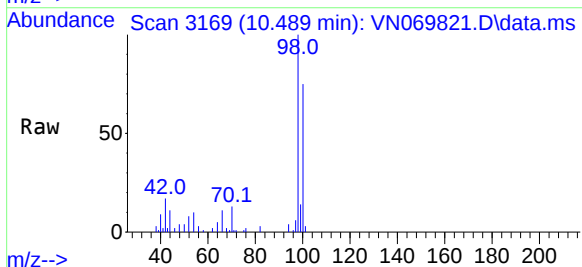
Acq: 7 Dec 2021 17:57

Tgt Ion: 75 Resp: 26

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#



Abundance

150

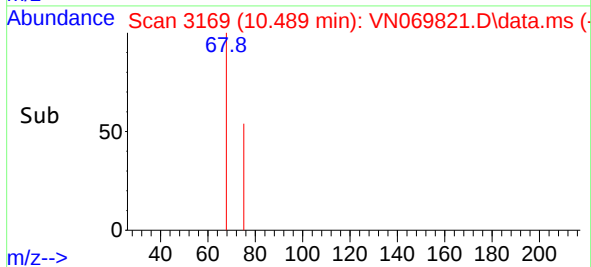
10.489

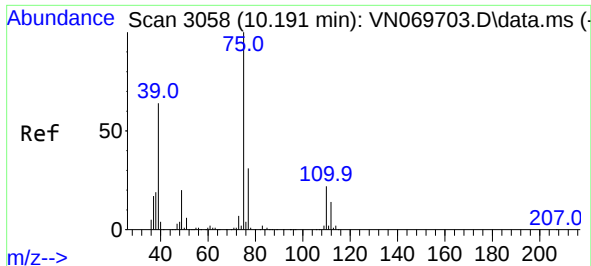
100

50

0

Time-->

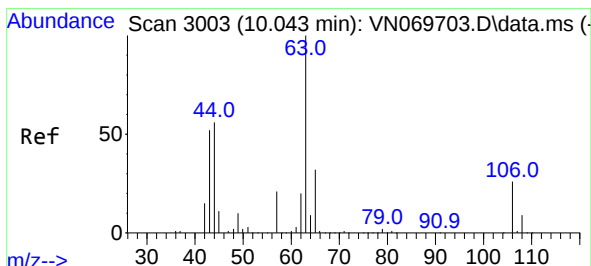
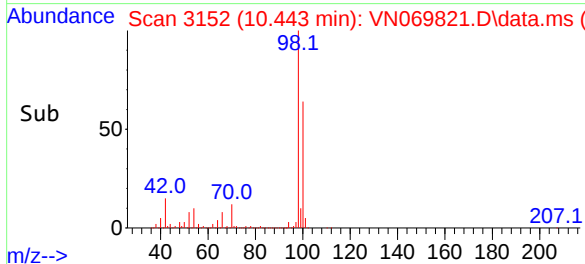
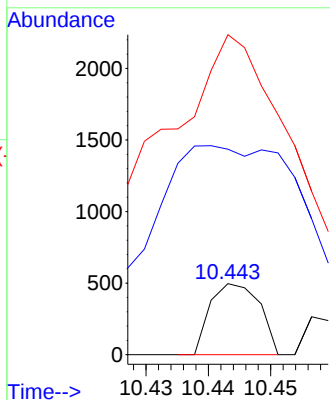
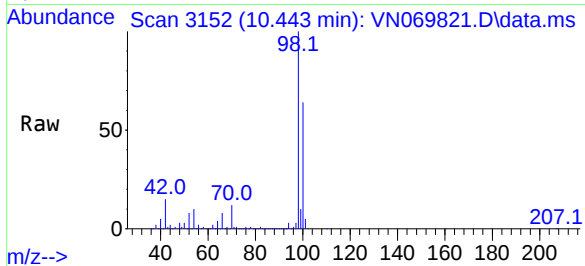




#54
cis-1,3-Dichloropropene
Concen: 2.01 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.252 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

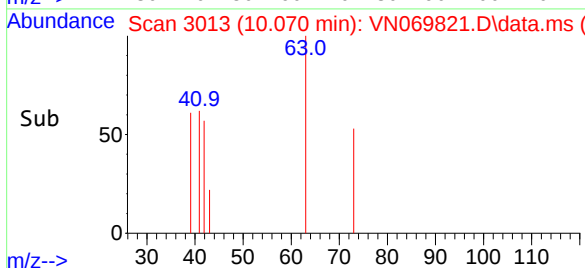
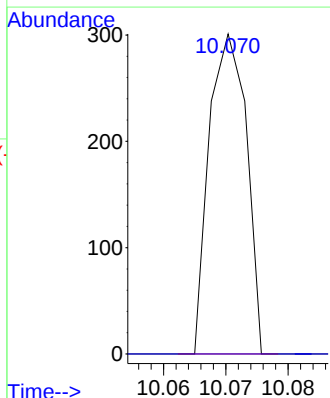
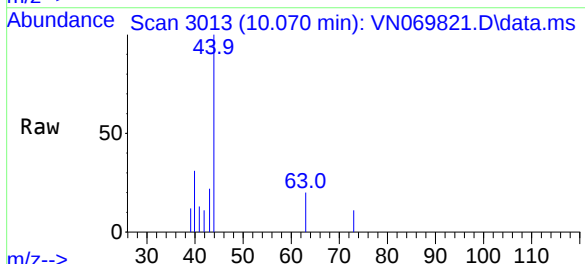
Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20211205

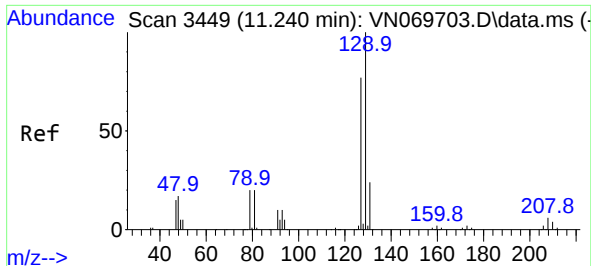
Tgt Ion: 75 Resp: 273
Ion Ratio Lower Upper
75 100
77 20.0 26.4 39.6#
39 132.7 42.5 63.7#



#58
2-Chloroethyl Vinyl ether
Concen: 18.40 ug/l
RT: 10.070 min Scan# 3013
Delta R.T. 0.027 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

Tgt Ion: 63 Resp: 125
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

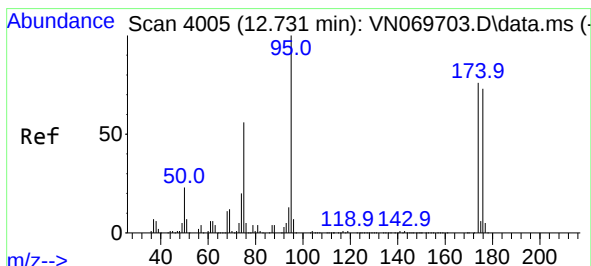
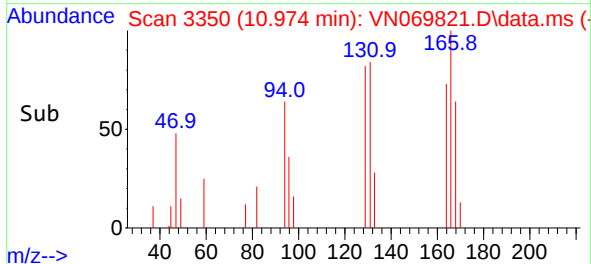
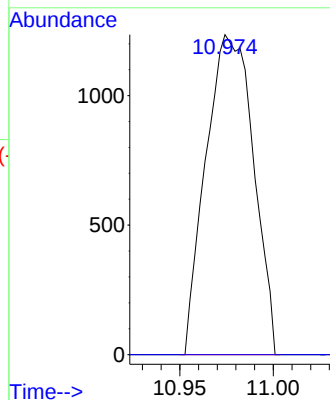
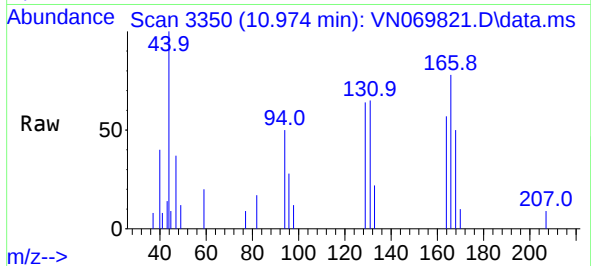




#60
Dibromochloromethane
Concen: 2.49 ug/l
RT: 10.974 min Scan# 311
Delta R.T. -0.266 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

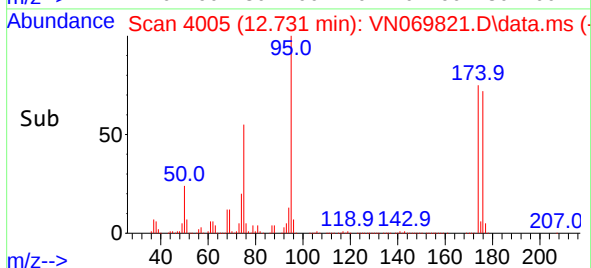
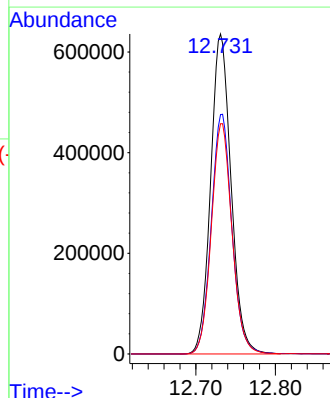
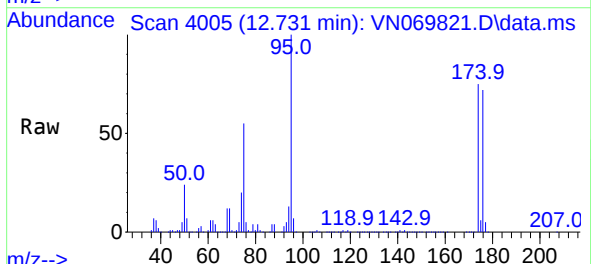
Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20211205

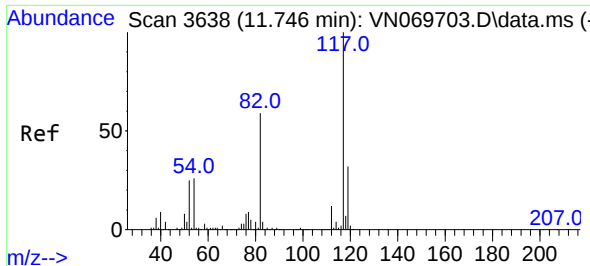
Tgt Ion:129 Resp: 2185
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 54.09 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

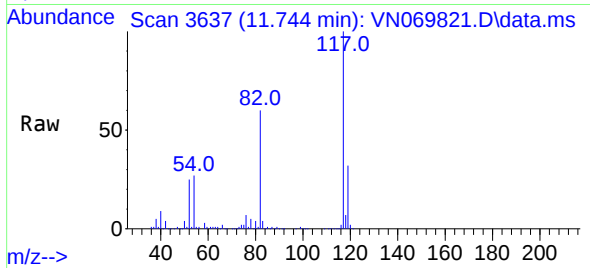
Tgt Ion: 95 Resp: 1133129
Ion Ratio Lower Upper
95 100
174 75.6 0.0 187.2
176 72.9 0.0 181.4





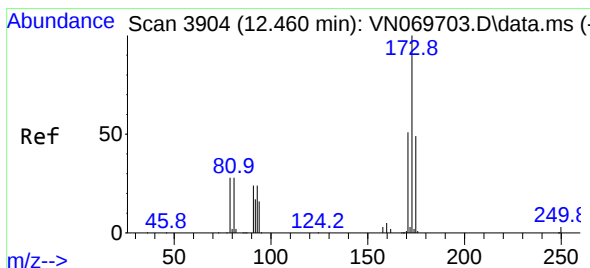
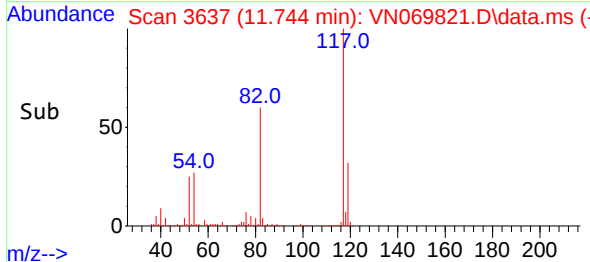
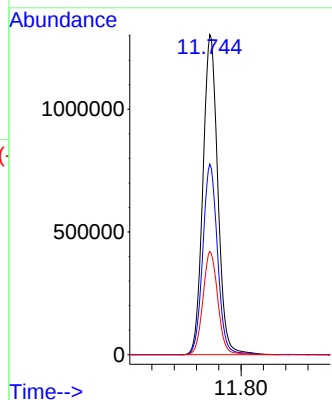
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20211205



Tgt Ion:117 Resp: 2415411

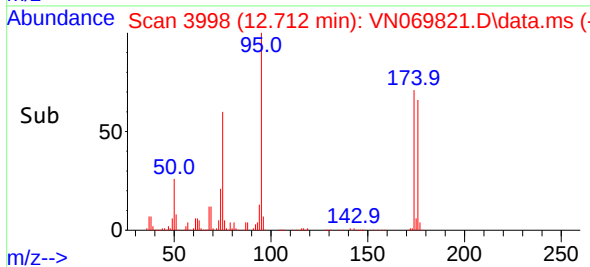
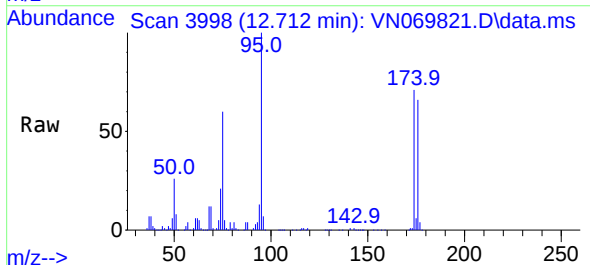
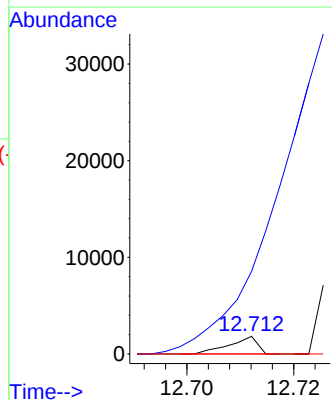
Ion	Ratio	Lower	Upper
117	100		
82	59.6	42.4	63.6
119	32.3	25.4	38.2

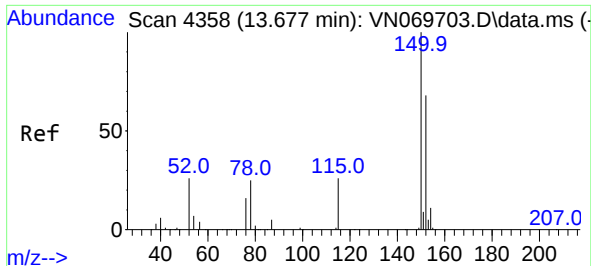


#71
Bromoform
Concen: 2.77 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

Tgt Ion:173 Resp: 660

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6#
254	0.0	0.0	0.0

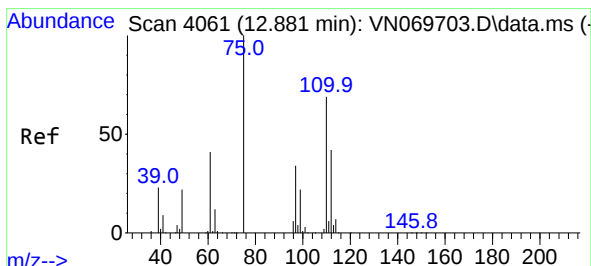
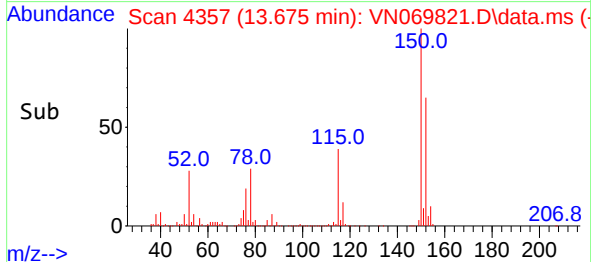
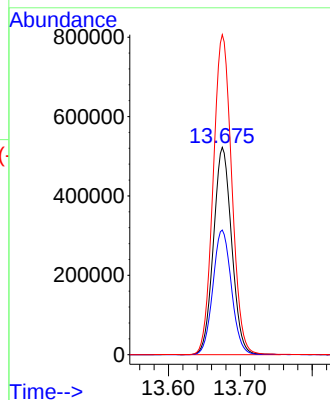
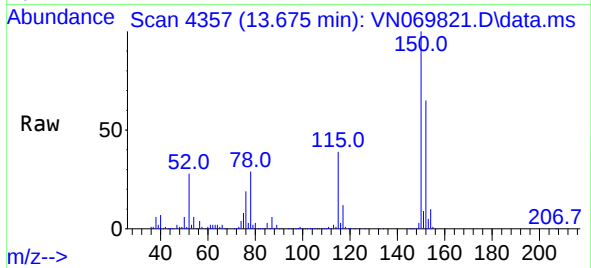




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

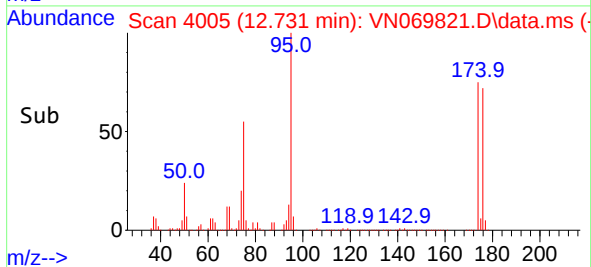
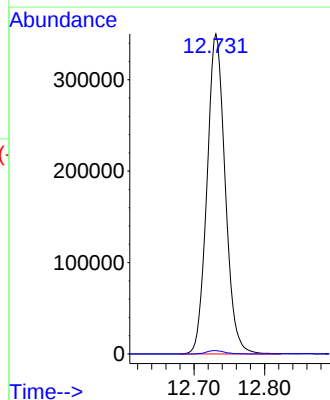
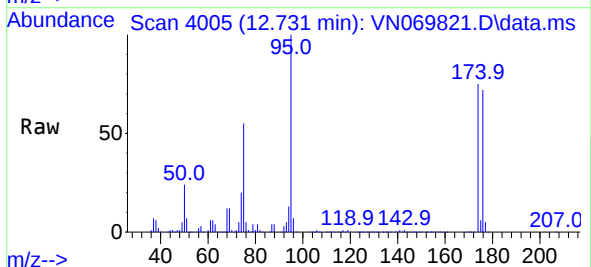
Instrument :
MSVOA_N
ClientSampleId :
MW203D2-20211205

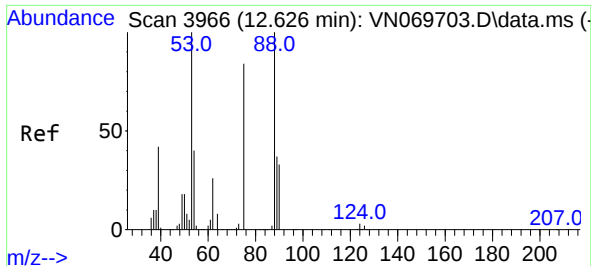
Tgt Ion:152 Resp: 917758
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 157.4 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.85 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

Tgt Ion: 75 Resp: 627790
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

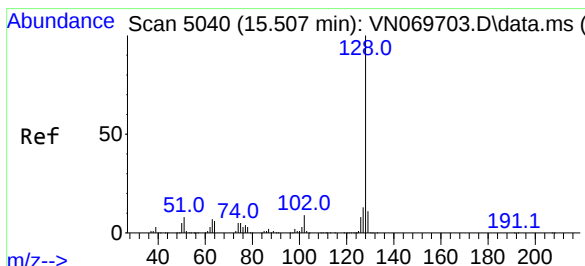
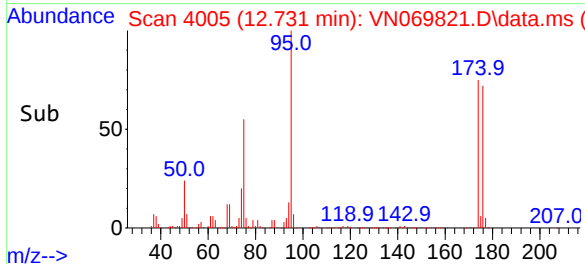
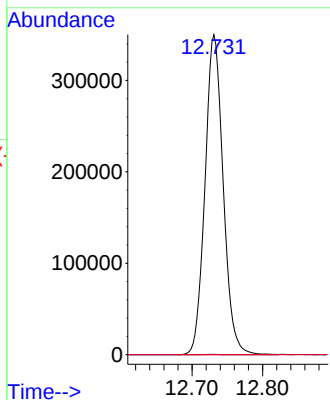
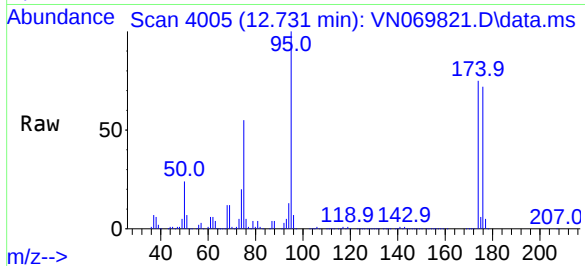




#81
trans-1,4-Dichloro-2-butene
Concen: 75.79 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

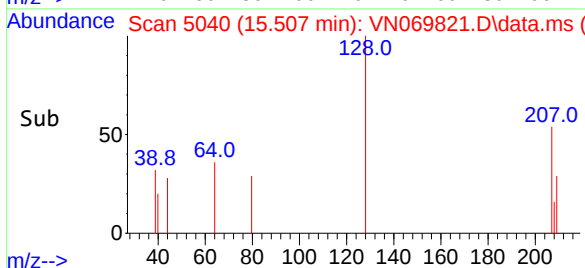
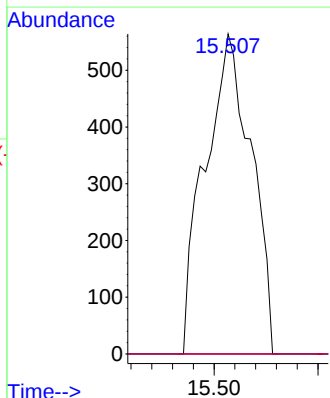
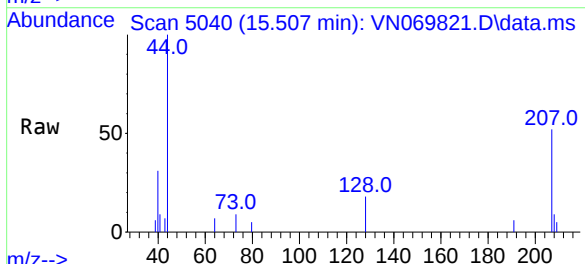
Instrument :
MSVOA_N
ClientSampleId :
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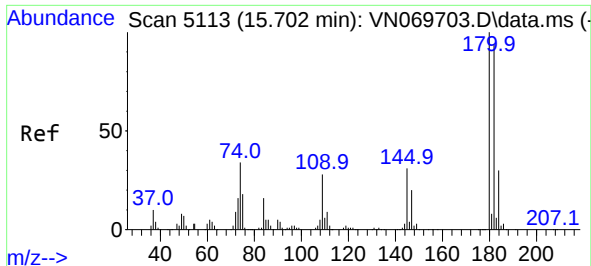
Tgt Ion: 75 Resp: 627790
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 4.00 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069821.D
Acq: 7 Dec 2021 17:57

Tgt Ion: 128 Resp: 872
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.44 ug/l

RT: 15.692 min Scan# 51

Delta R.T. -0.010 min

Lab File: VN069821.D

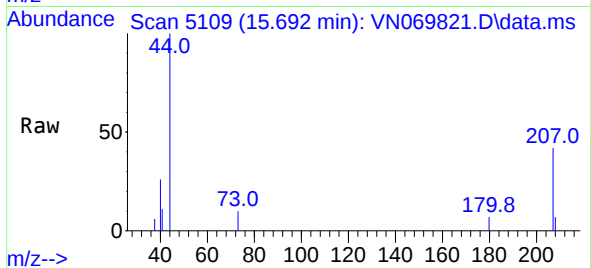
Acq: 7 Dec 2021 17:57

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:180 Resp: 127

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.2#

145 0.0 15.0 45.1#

