

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013122\
 Data File : VN070853.D
 Acq On : 31 Jan 2022 15:33
 Operator : JC/MD
 Sample : N1284-01 20X
 Misc : 3.47g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-1

Quant Time: Jan 31 16:45:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.085	168	863883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1383347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1229852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	448976	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	591820	47.801	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.600%
35) Dibromofluoromethane	8.018	113	404358	47.123	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.240%
50) Toluene-d8	10.440	98	1698579	46.988	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.980%
62) 4-Bromofluorobenzene	12.731	95	561271	43.572	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.140%

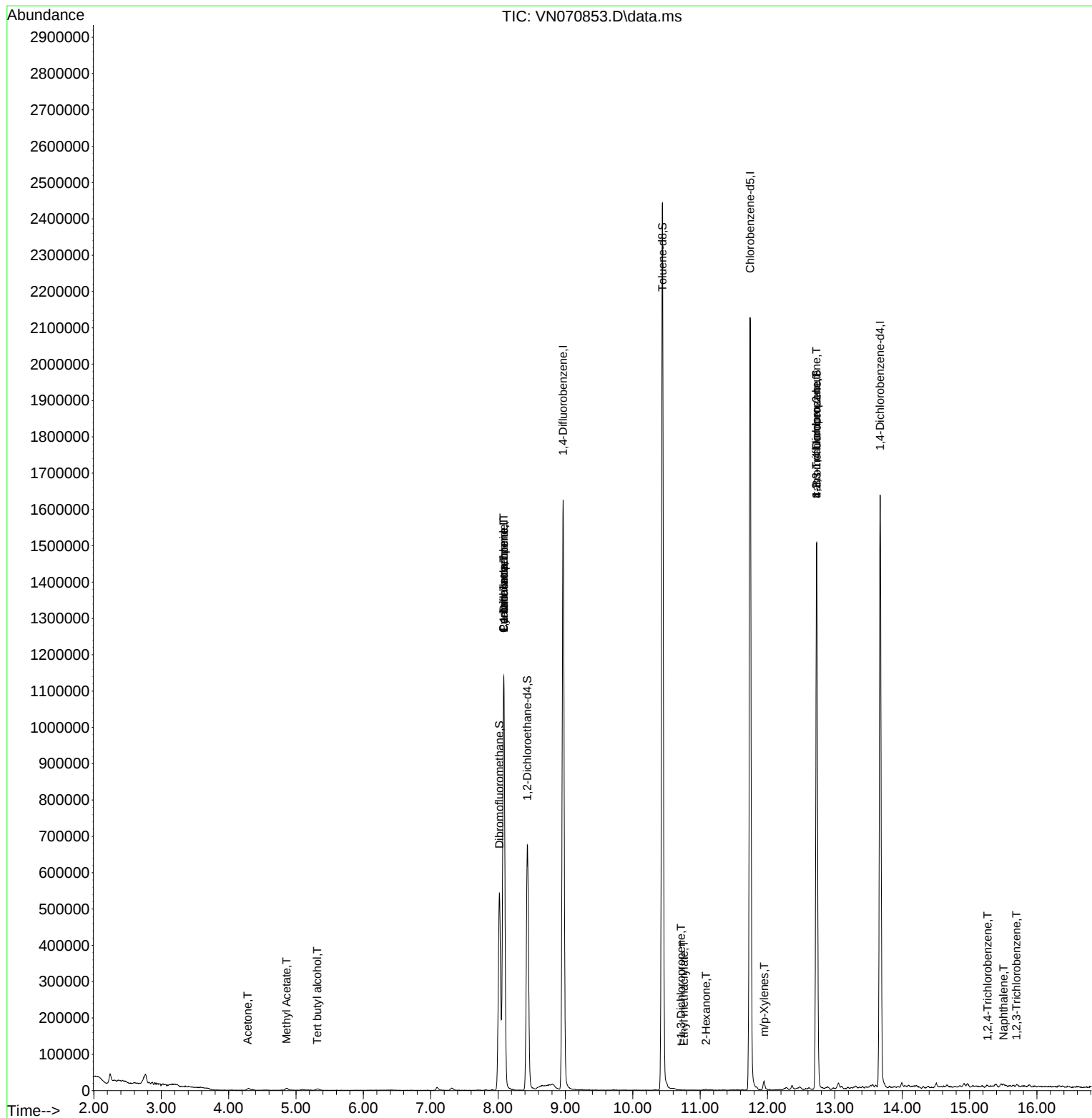
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.315	59	2268	1.015	ug/l #	71
16) Acetone	4.282	43	1875	0.218	ug/l	96
18) Methyl Acetate	4.856	43	6113	0.362	ug/l	97
30) Chloroform	7.823	83	1654	Below Cal		97
31) Cyclohexane	8.083	56	19959	0.915	ug/l #	9
36) 1,1-Dichloropropene	8.083	75	71763	4.968	ug/l #	48
38) Carbon Tetrachloride	8.083	117	87870	6.837	ug/l #	17
53) t-1,3-Dichloropropene	10.717	75	108	2.410	ug/l	98
56) Ethyl methacrylate	10.757	69	94	2.306	ug/l #	1
59) 2-Hexanone	11.087	43	3338	0.246	ug/l #	62
68) m/p-Xylenes	11.950	106	7163	0.399	ug/l	86
76) 1,2,3-Trichloropropane	12.728	75	301406	25.311	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	301406	75.406	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	1465	3.590	ug/l #	52
95) Naphthalene	15.504	128	7681	5.246	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.697	180	1187	3.356	ug/l #	65

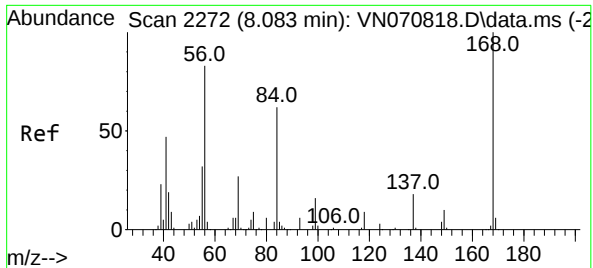
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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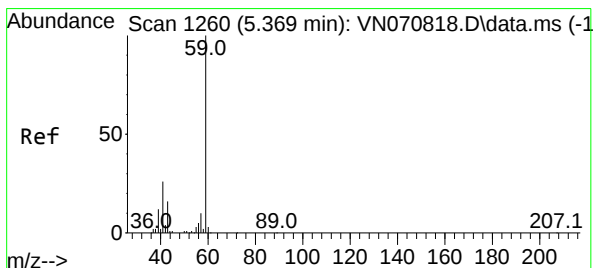
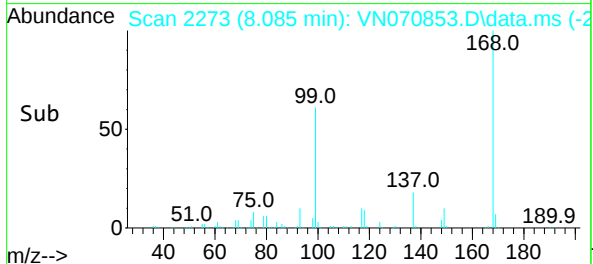
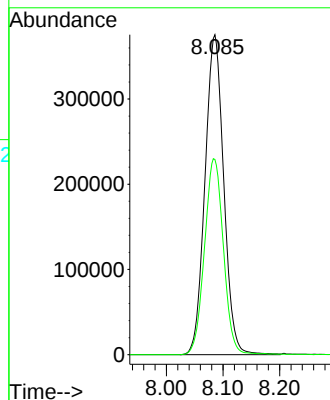
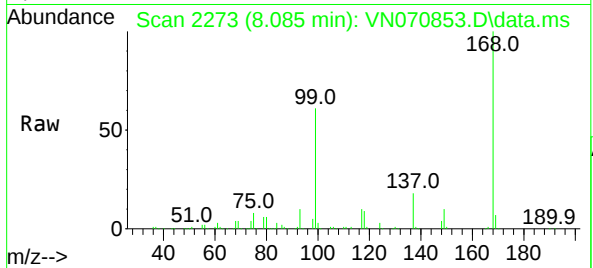




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.085 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

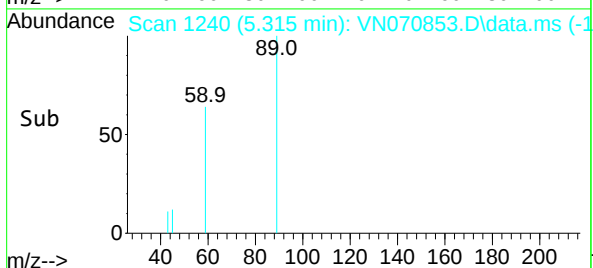
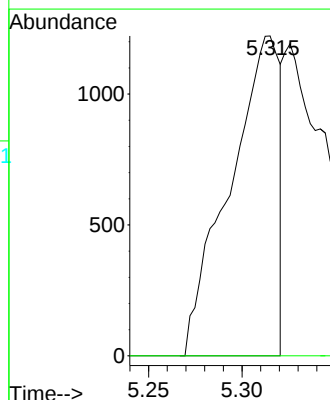
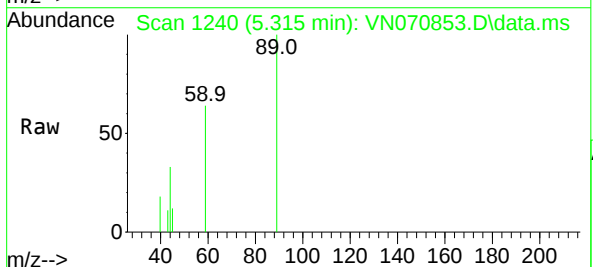
Instrument :
MSVOA_N
ClientSampleId :
S-1

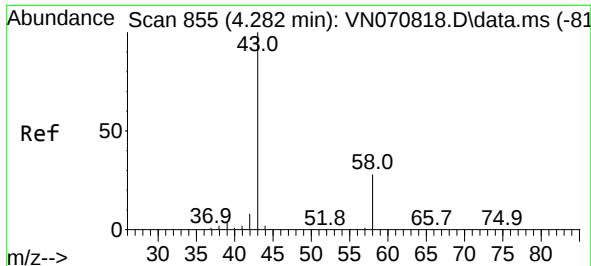
Tgt Ion:168 Resp: 863883
Ion Ratio Lower Upper
168 100
99 61.0 41.3 61.9



#11
Tert butyl alcohol
Concen: 1.015 ug/l
RT: 5.315 min Scan# 1240
Delta R.T. -0.062 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

Tgt Ion: 59 Resp: 2268
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

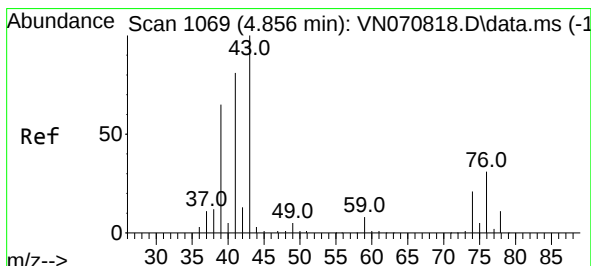
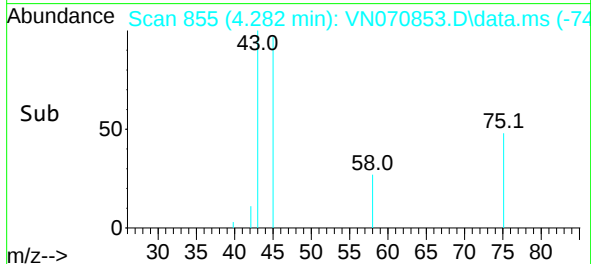
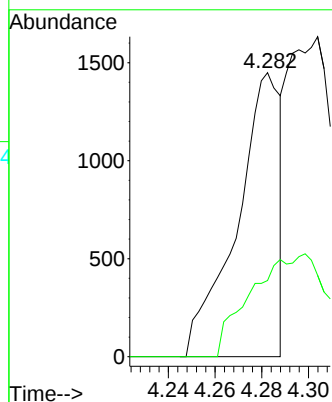
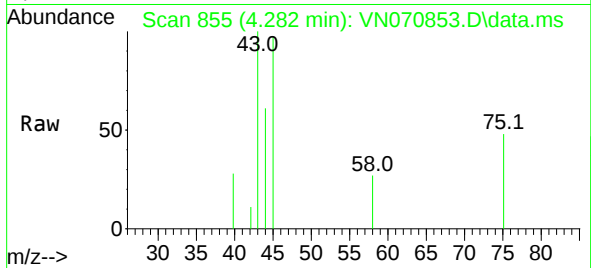




#16
Acetone
Concen: 0.218 ug/l
RT: 4.282 min Scan# 855
Delta R.T. -0.003 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

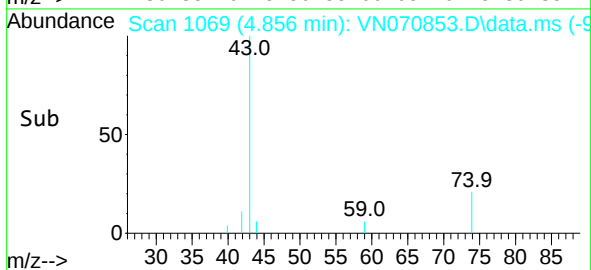
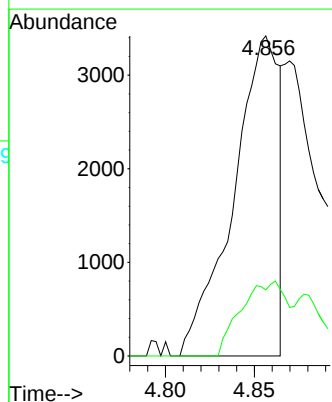
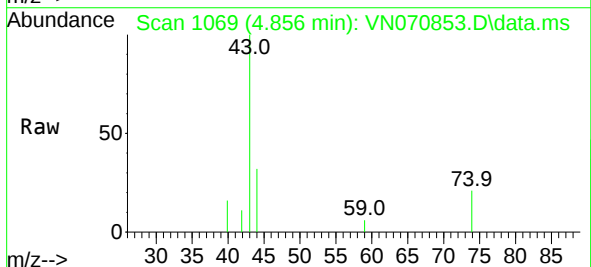
Instrument :
MSVOA_N
ClientSampleId :
S-1

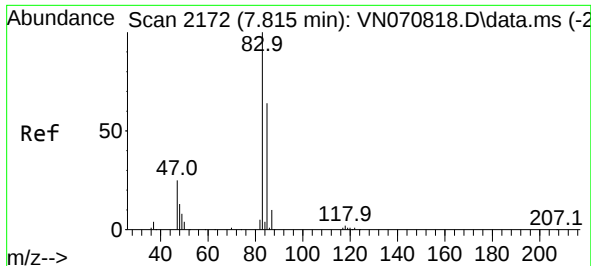
Tgt Ion: 43 Resp: 1875
Ion Ratio Lower Upper
43 100
58 26.8 23.1 34.7



#18
Methyl Acetate
Concen: 0.362 ug/l
RT: 4.856 min Scan# 1069
Delta R.T. 0.002 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

Tgt Ion: 43 Resp: 6113
Ion Ratio Lower Upper
43 100
74 22.8 19.4 29.2

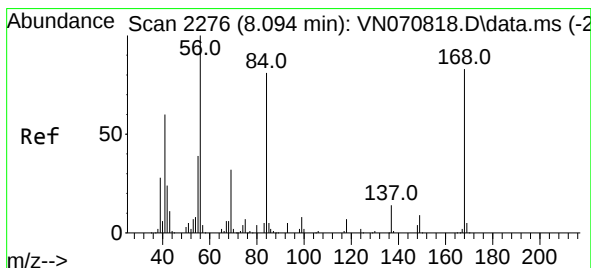
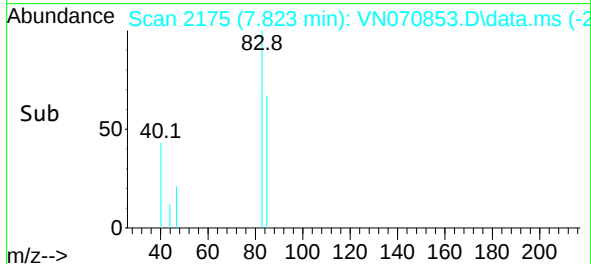
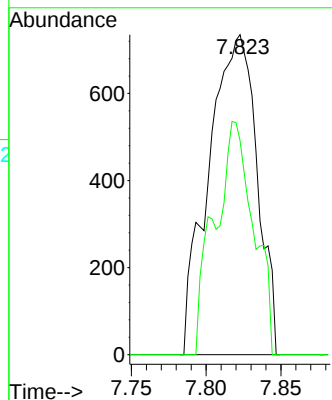
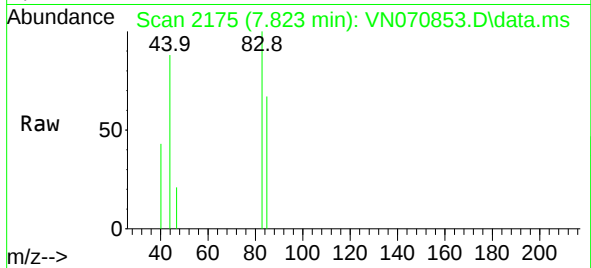




#30
Chloroform
Concen: Below Cal
RT: 7.823 min Scan# 2172
Delta R.T. 0.005 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

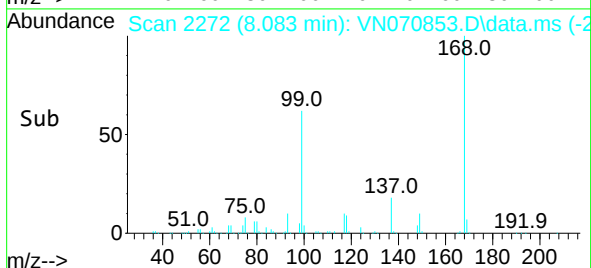
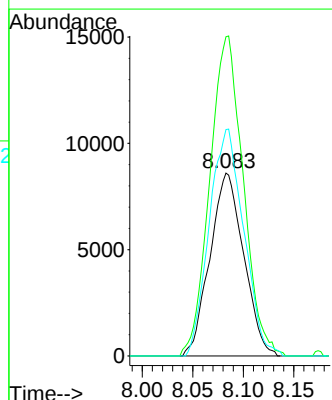
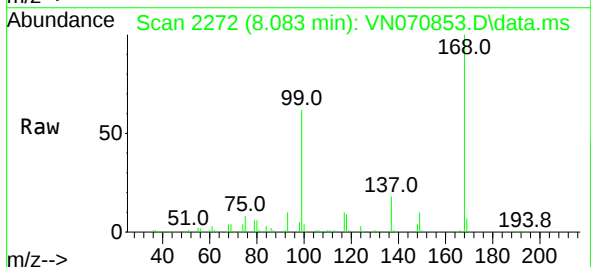
Instrument :
MSVOA_N
ClientSampleId :
S-1

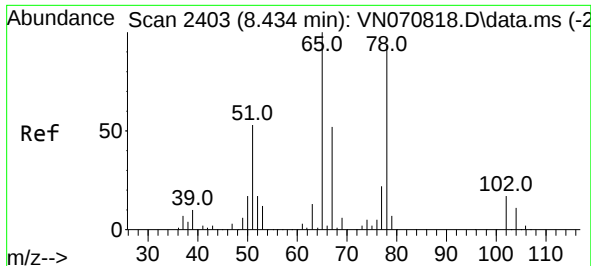
Tgt Ion: 83 Resp: 1654
Ion Ratio Lower Upper
83 100
85 66.9 51.9 77.9



#31
Cyclohexane
Concen: 0.915 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

Tgt Ion: 56 Resp: 19959
Ion Ratio Lower Upper
56 100
69 174.6 27.1 40.7#
84 123.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.801 ug/l

RT: 8.434 min Scan# 2403

Delta R.T. 0.000 min

Lab File: VN070853.D

Acq: 31 Jan 2022 15:33

Instrument :

MSVOA_N

ClientSampleId :

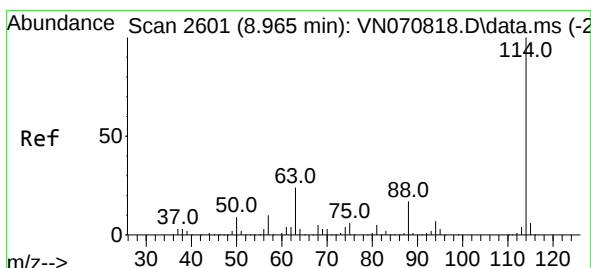
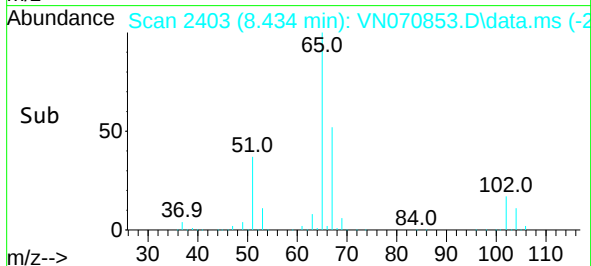
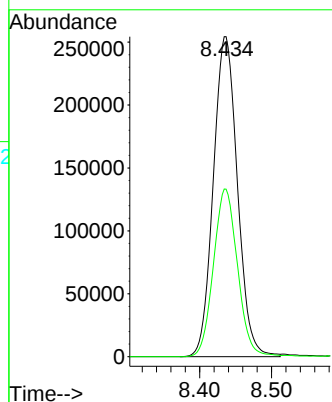
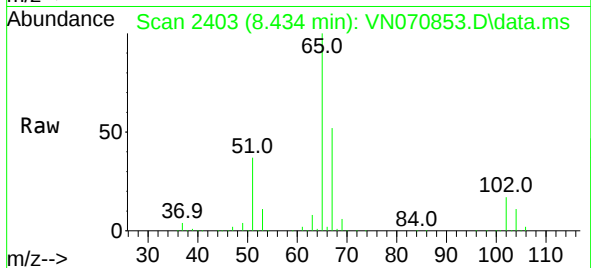
S-1

Tgt Ion: 65 Resp: 591820

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. 0.000 min

Lab File: VN070853.D

Acq: 31 Jan 2022 15:33

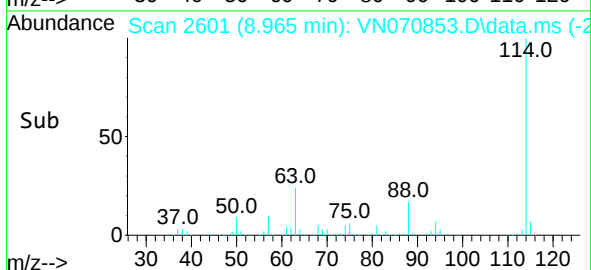
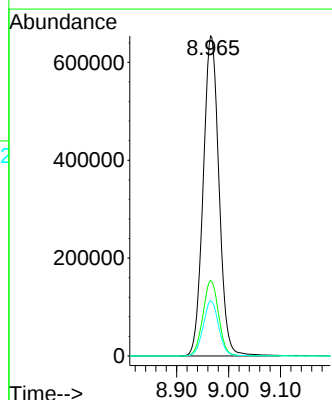
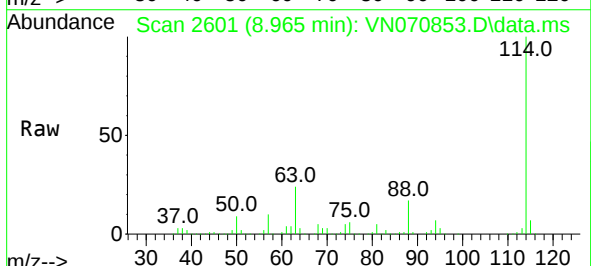
Tgt Ion: 114 Resp: 1383347

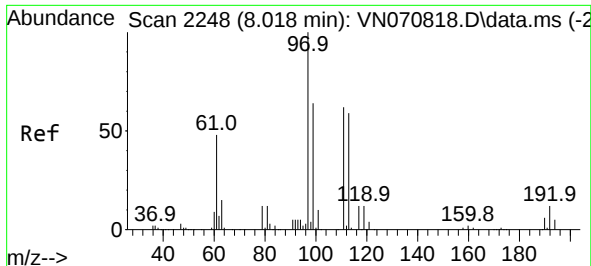
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 17.2 0.0 27.4





#35

Dibromofluoromethane

Concen: 47.123 ug/l

RT: 8.018 min Scan# 21

Delta R.T. -0.001 min

Lab File: VN070853.D

Acq: 31 Jan 2022 15:33

Instrument :

MSVOA_N

ClientSampleId :

S-1

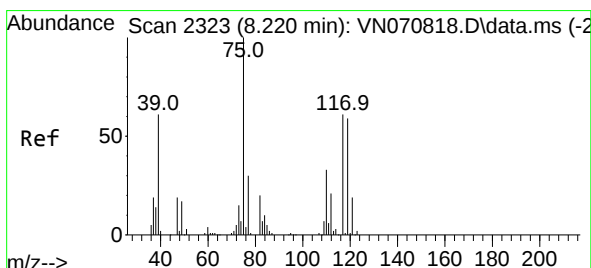
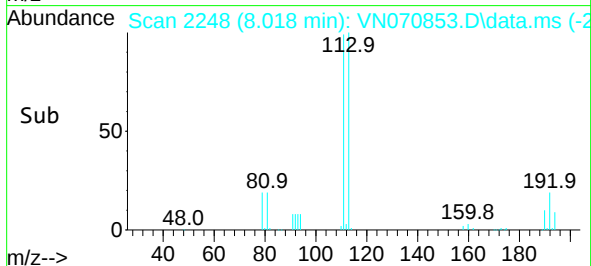
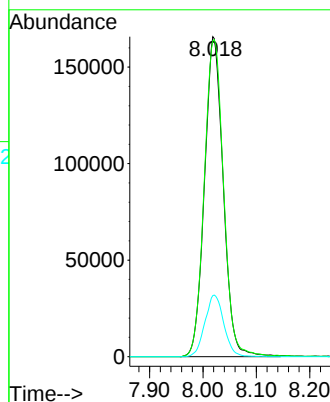
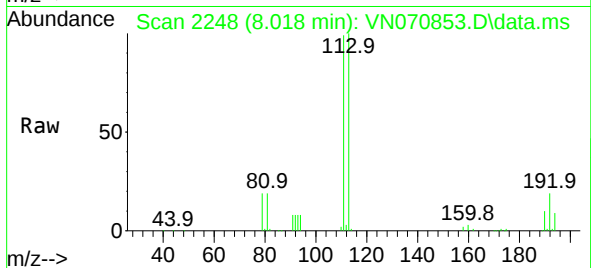
Tgt Ion:113 Resp: 404358

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

192 19.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.968 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.137 min

Lab File: VN070853.D

Acq: 31 Jan 2022 15:33

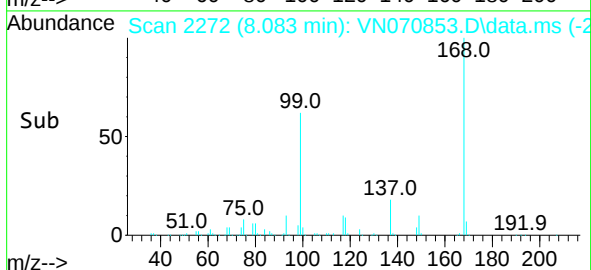
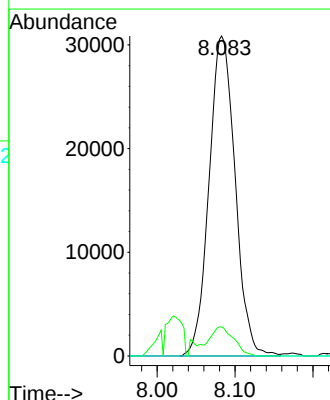
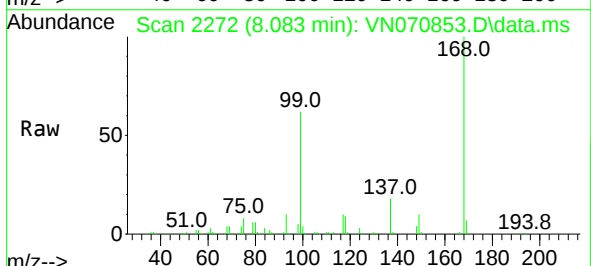
Tgt Ion: 75 Resp: 71763

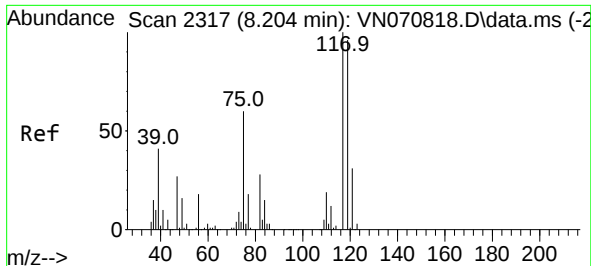
Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.2#

77 0.0 24.4 36.6#

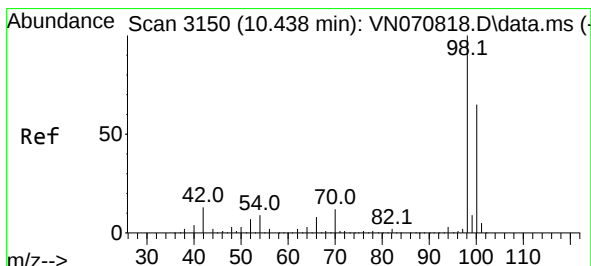
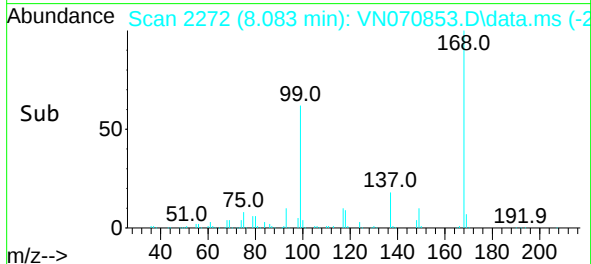
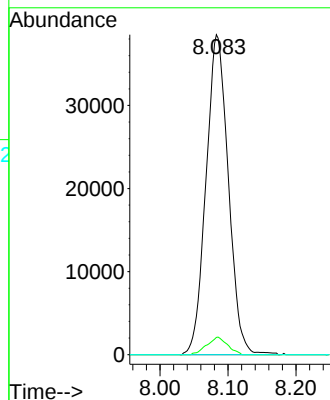
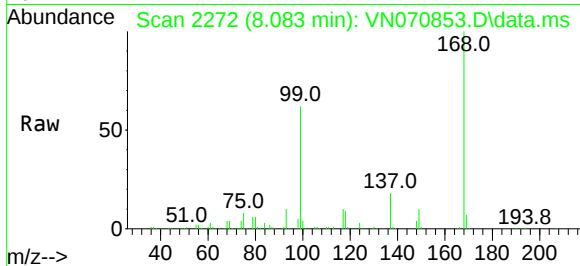




#38
Carbon Tetrachloride
Concen: 6.837 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

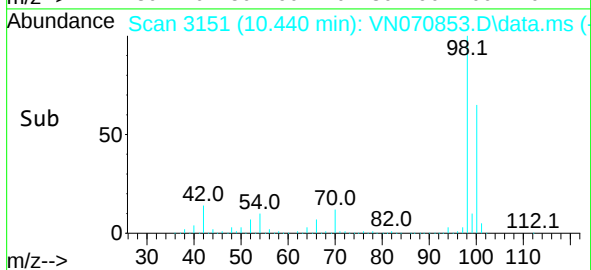
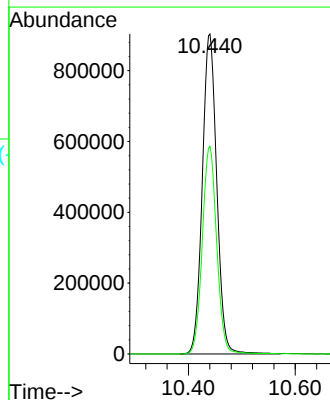
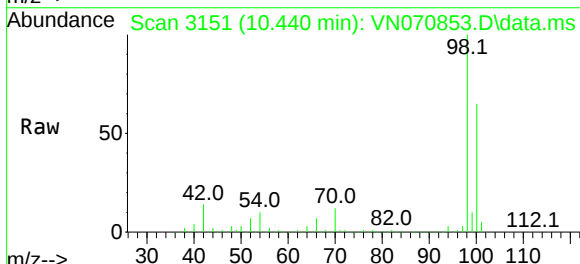
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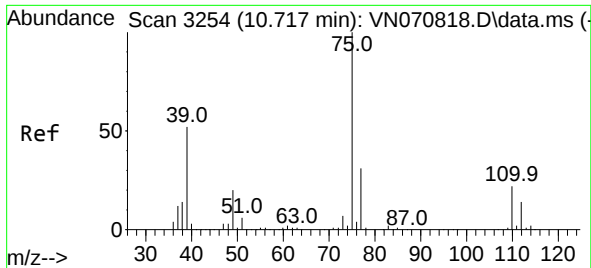
Tgt Ion:117 Resp: 87870
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 46.988 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

Tgt Ion: 98 Resp: 1698579
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6

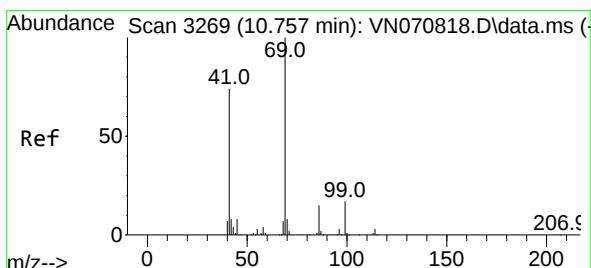
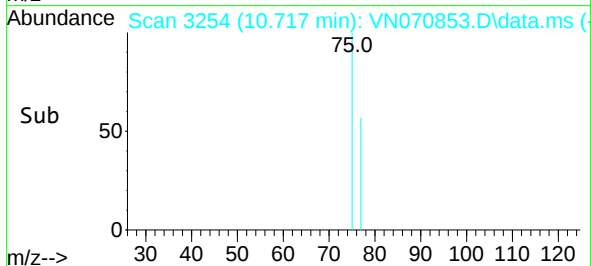
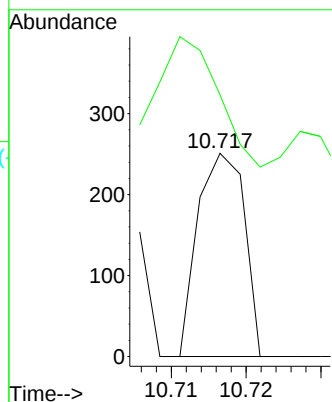
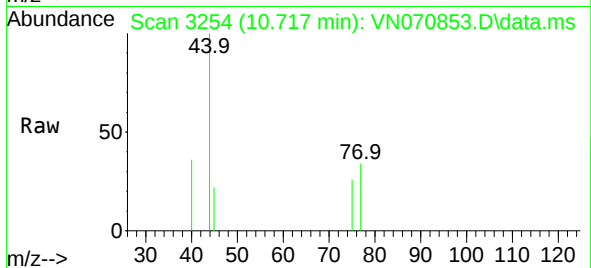




#53
t-1,3-Dichloropropene
Concen: 2.410 ug/l
RT: 10.717 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

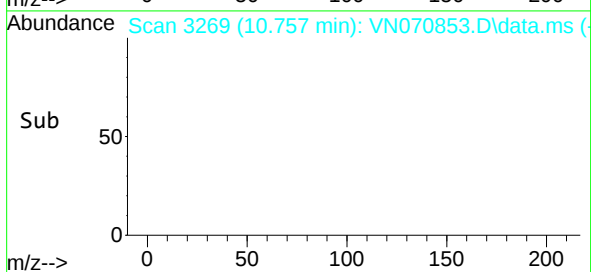
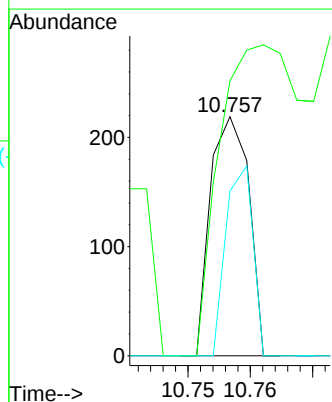
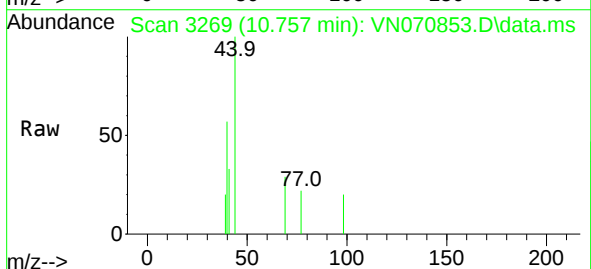
Instrument :
MSVOA_N
ClientSampleId :
S-1

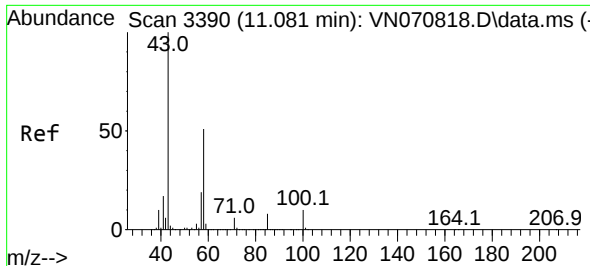
Tgt Ion: 75 Resp: 108
Ion Ratio Lower Upper
75 100
77 30.7 25.6 38.4



#56
Ethyl methacrylate
Concen: 2.306 ug/l
RT: 10.757 min Scan# 3269
Delta R.T. -0.003 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

Tgt Ion: 69 Resp: 94
Ion Ratio Lower Upper
69 100
41 294.7 51.4 77.0#
39 55.3 34.6 52.0#

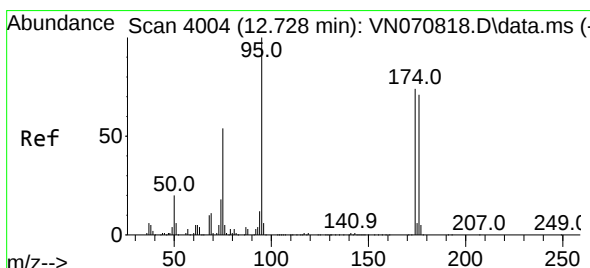
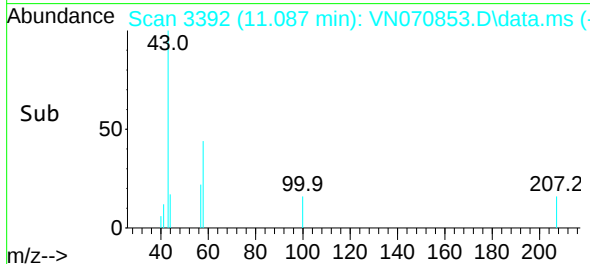
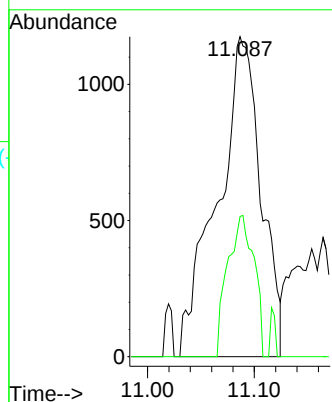
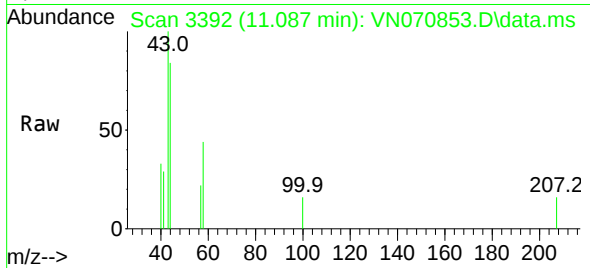




#59
2-Hexanone
Concen: 0.246 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

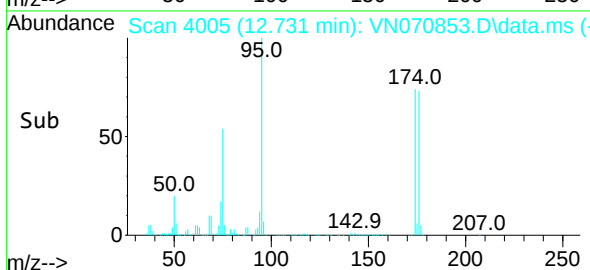
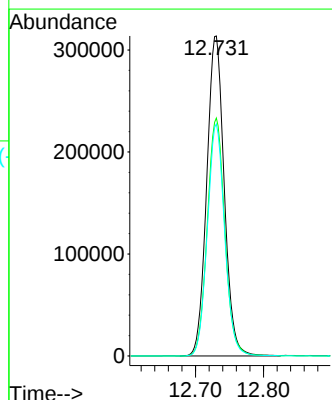
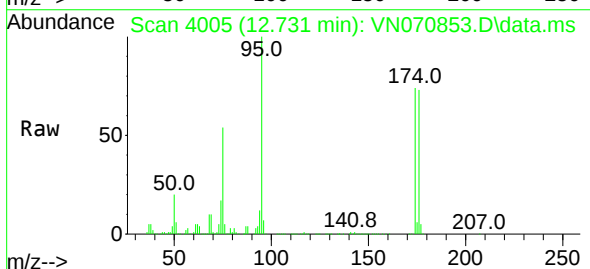
Instrument :
MSVOA_N
ClientSampleId :
S-1

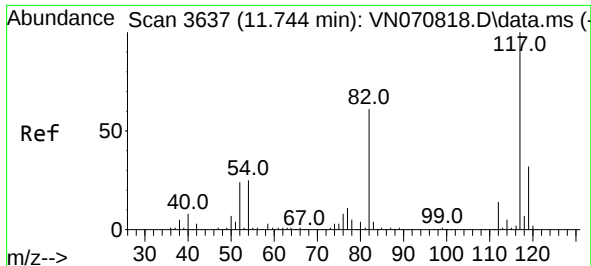
Tgt Ion: 43 Resp: 3338
Ion Ratio Lower Upper
43 100
58 26.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 43.572 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

Tgt Ion: 95 Resp: 561271
Ion Ratio Lower Upper
95 100
174 74.7 0.0 187.2
176 71.7 0.0 181.4

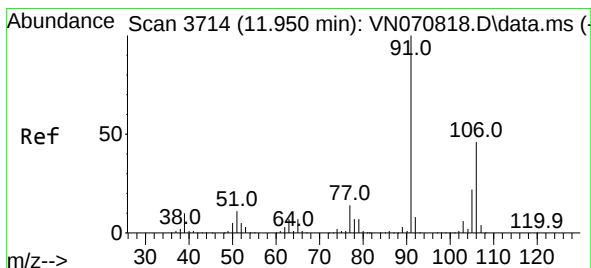
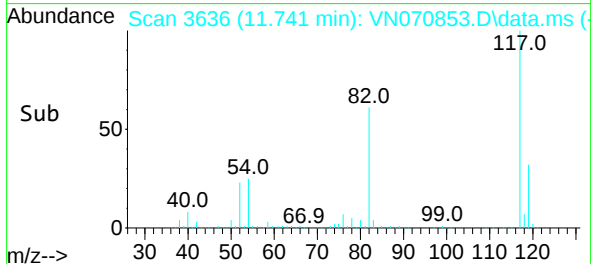
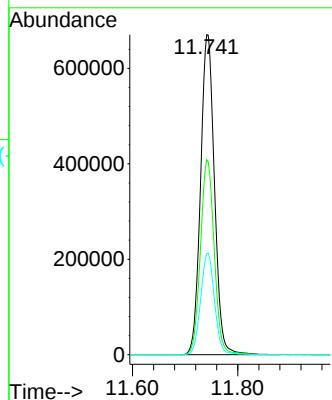
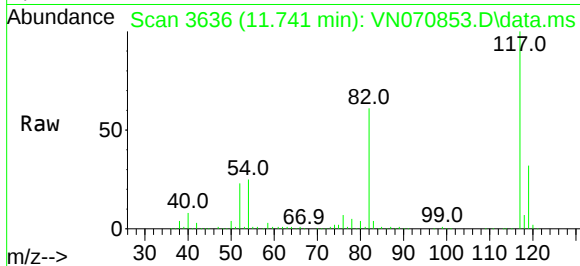




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3637
Delta R.T. 0.000 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

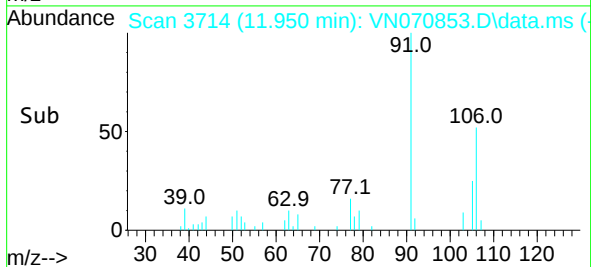
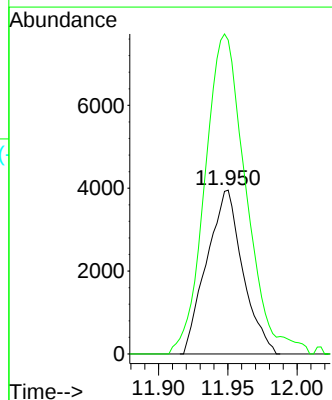
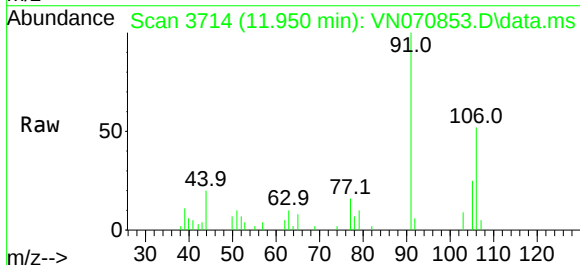
Instrument :
MSVOA_N
ClientSampleId :
S-1

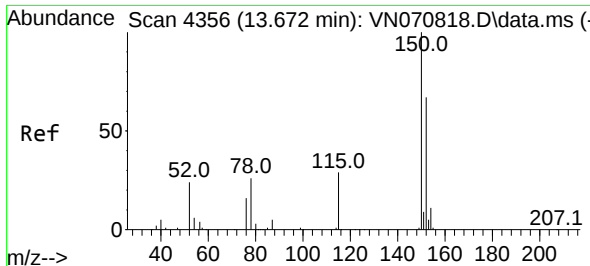
Tgt Ion:117 Resp: 1229852
Ion Ratio Lower Upper
117 100
82 61.0 42.4 63.6
119 31.6 25.4 38.2



#68
m/p-Xylenes
Concen: 0.399 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. 0.000 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

Tgt Ion:106 Resp: 7163
Ion Ratio Lower Upper
106 100
91 221.9 160.6 240.8

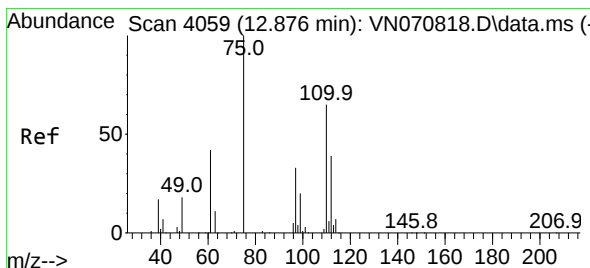
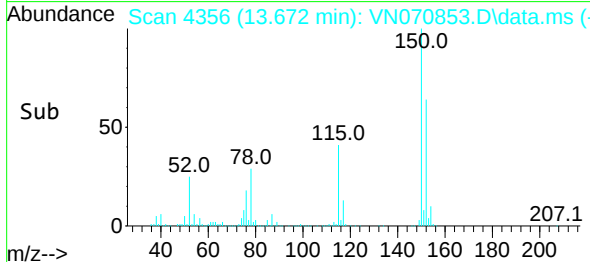
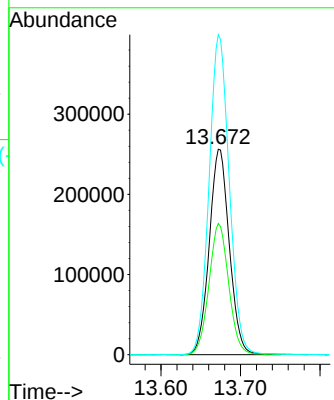
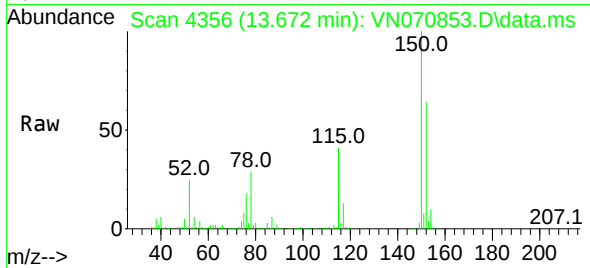




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.672 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN070853.D
 Acq: 31 Jan 2022 15:33

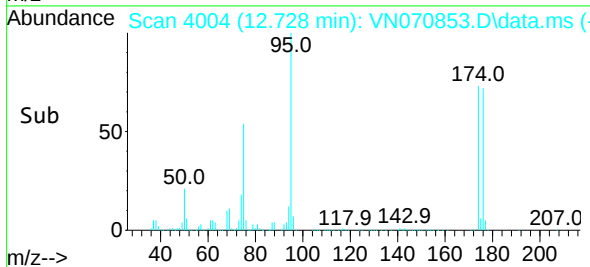
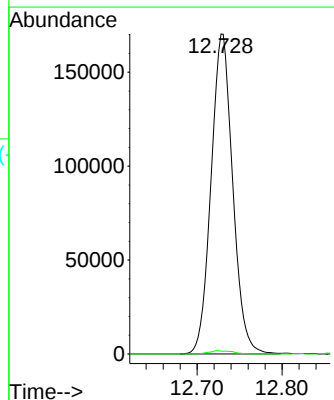
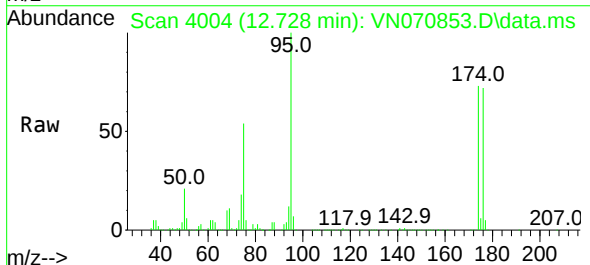
Instrument :
 MSVOA_N
 ClientSampleId :
 S-1

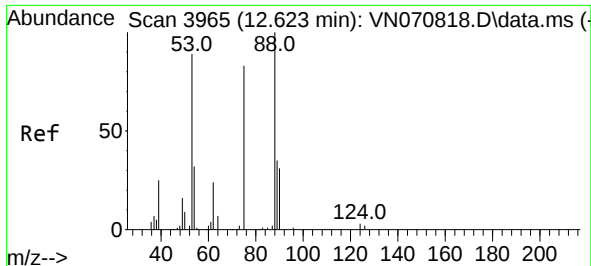
Tgt Ion:152 Resp: 448976
 Ion Ratio Lower Upper
 152 100
 115 62.9 27.5 82.5
 150 156.2 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 25.311 ug/l
 RT: 12.728 min Scan# 4004
 Delta R.T. -0.150 min
 Lab File: VN070853.D
 Acq: 31 Jan 2022 15:33

Tgt Ion: 75 Resp: 301406
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#

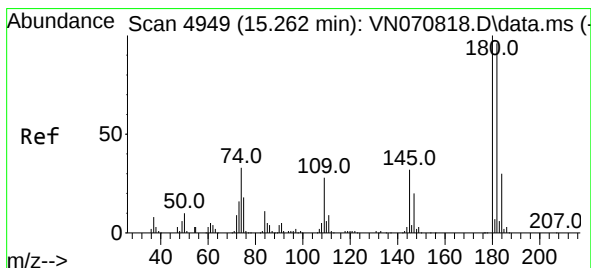
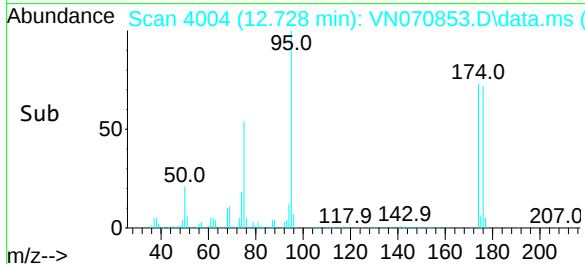
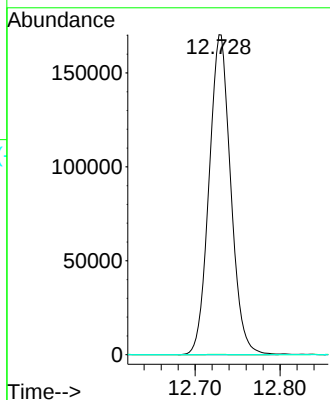
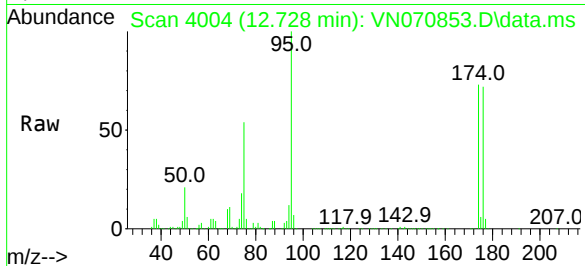




#81
trans-1,4-Dichloro-2-butene
Concen: 75.406 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

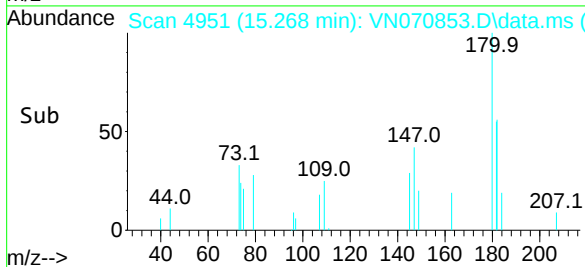
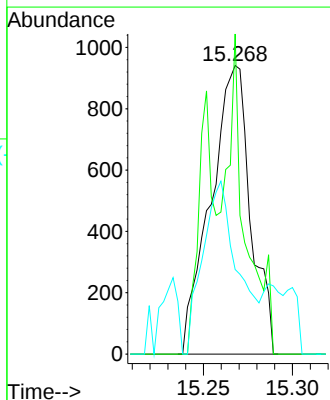
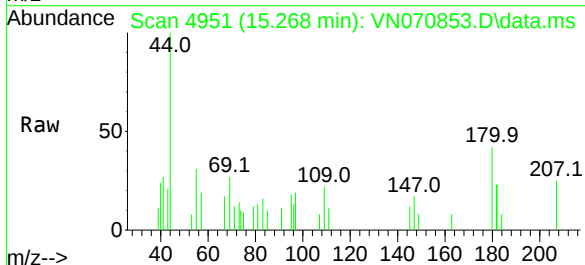
Instrument :
MSVOA_N
ClientSampleId :
S-1

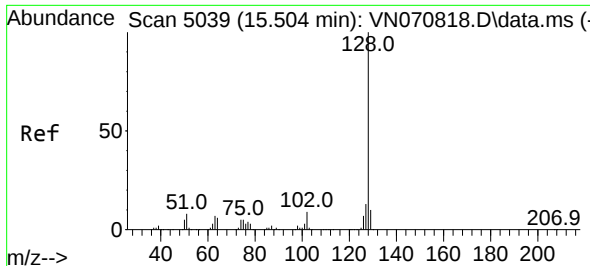
Tgt Ion: 75 Resp: 301406
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.590 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.005 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

Tgt Ion: 180 Resp: 1465
Ion Ratio Lower Upper
180 100
182 49.1 48.3 144.9
145 53.3 14.5 43.5#

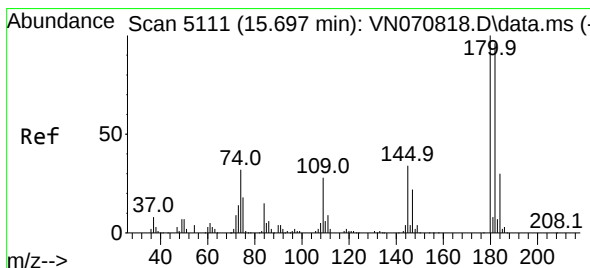
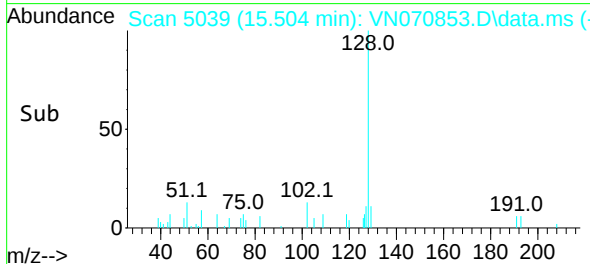
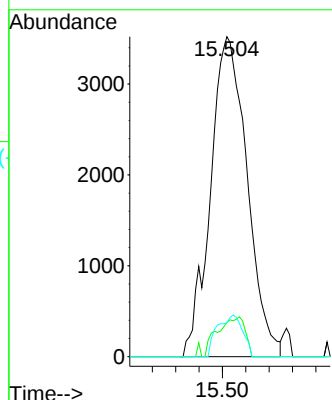
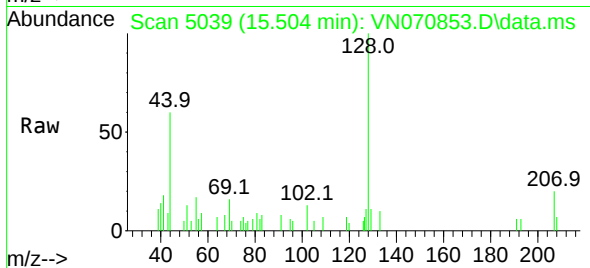




#95
Naphthalene
Concen: 5.246 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

Instrument :
MSVOA_N
ClientSampleId :
S-1

Tgt Ion:128 Resp: 7681
Ion Ratio Lower Upper
128 100
127 9.3 10.5 15.7#
129 9.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.356 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.000 min
Lab File: VN070853.D
Acq: 31 Jan 2022 15:33

Tgt Ion:180 Resp: 1187
Ion Ratio Lower Upper
180 100
182 62.8 47.4 142.2
145 52.7 15.0 45.1#

