

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090221\
 Data File : VN068394.D
 Acq On : 2 Sep 2021 18:44
 Operator : JC/MD
 Sample : M3606-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPU-BFD

Quant Time: Sep 03 01:25:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 02 14:59:33 2021
 Response via : Initial Calibration

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

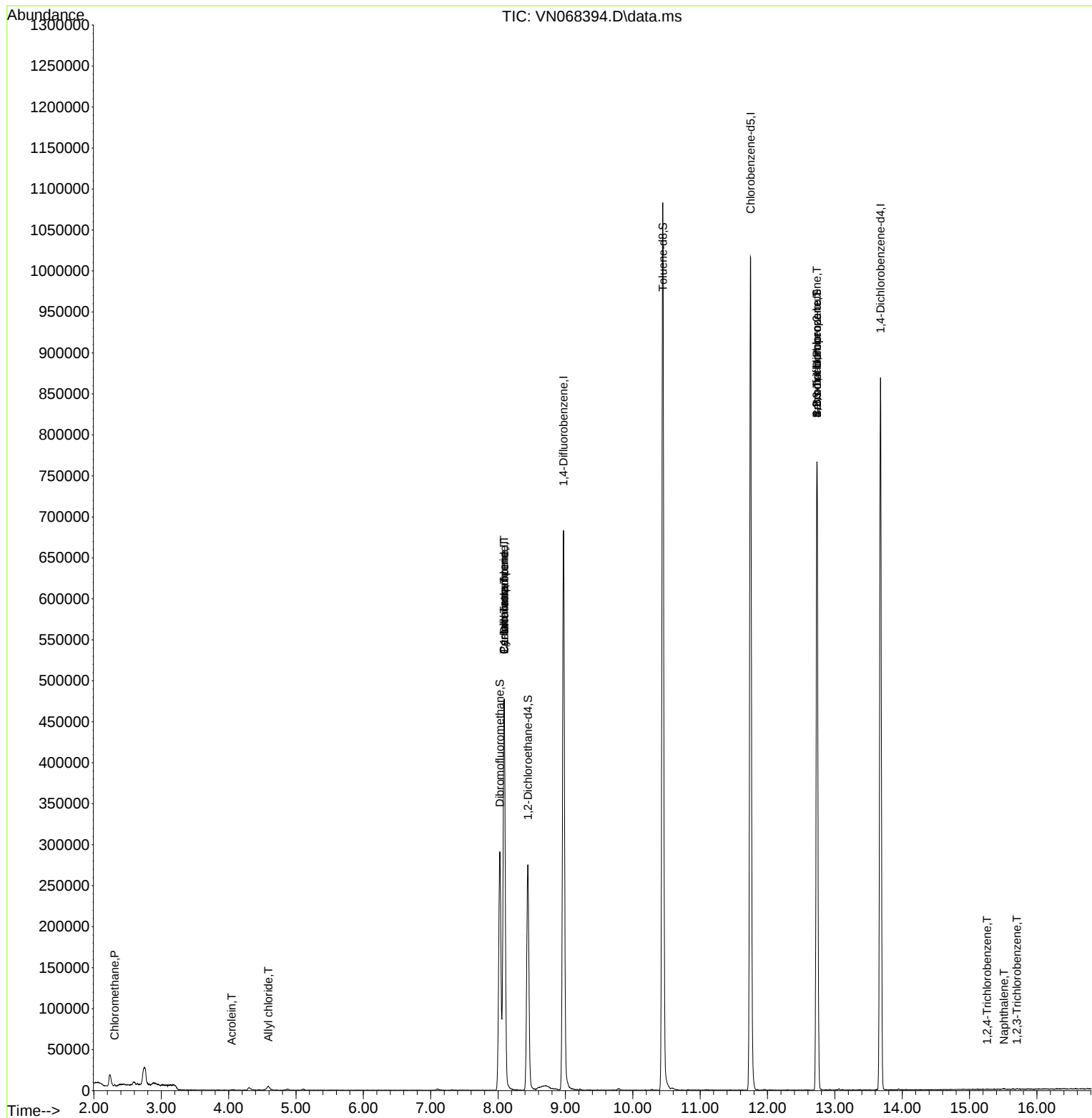
Internal Standards						
1) Pentafluorobenzene	8.091	168	391862	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	653674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	644690	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	255846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	231222	57.809	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 115.620%		
35) Dibromofluoromethane	8.027	113	215707	52.047	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 104.100%		
50) Toluene-d8	10.446	98	804830	51.876	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 103.760%		
62) 4-Bromofluorobenzene	12.733	95	264338	51.918	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 103.840%		
Target Compounds						
						Qvalue
3) Chloromethane	2.309	50	1532	0.448	ug/l	# 79
5) Bromomethane	2.824	94	57	Below Cal	#	4
13) Acrolein	4.044	56	211	0.621	ug/l	86
14) Allyl chloride	4.591	41	993	0.258	ug/l	# 57
16) Acetone	4.301	43	3573	Below Cal	#	86
18) Methyl Acetate	4.859	43	1956	Below Cal		94
20) Methylene Chloride	5.093	84	472	Below Cal	#	62
31) Cyclohexane	8.091	56	7139	1.354	ug/l	# 1
36) 1,1-Dichloropropene	8.091	75	25968	4.995	ug/l	# 52
38) Carbon Tetrachloride	8.091	117	38523	6.201	ug/l	# 17
71) Bromoform	12.733	173	2371	2.410	ug/l	# 1
76) 1,2,3-Trichloropropane	12.733	75	136685	31.435	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	136685	103.861	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.260	180	130	2.233	ug/l	# 12
95) Naphthalene	15.512	128	1384	2.469	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.702	180	298	2.060	ug/l	# 78

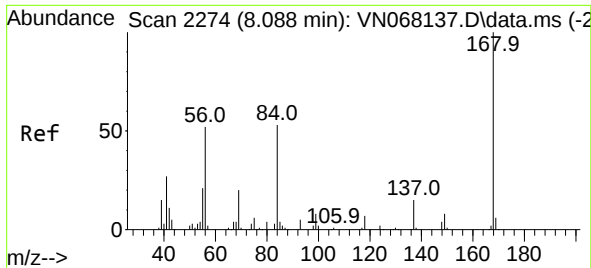
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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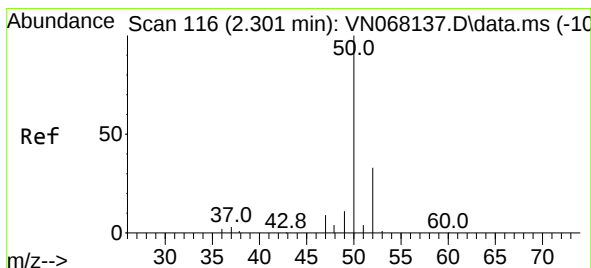
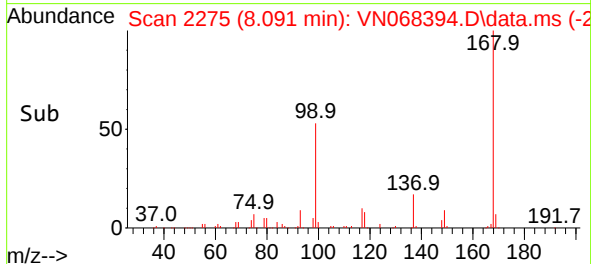
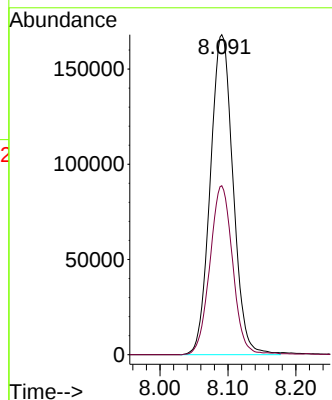
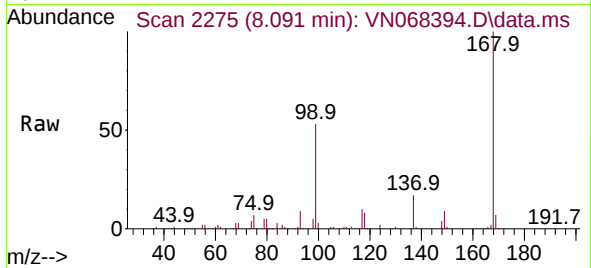




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

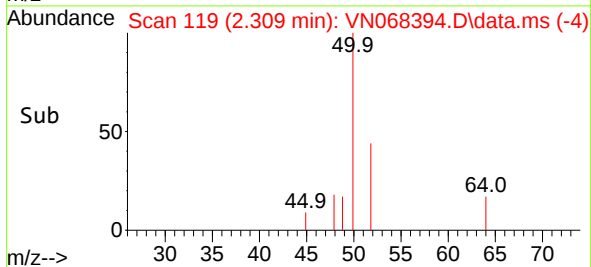
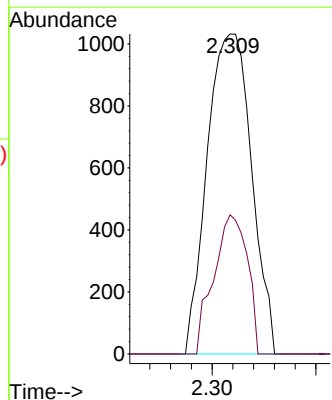
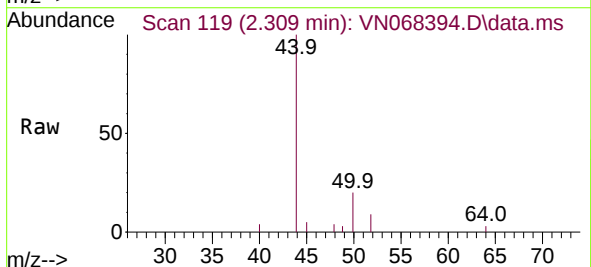
Instrument :
MSVOA_N
ClientSampled :
BPU-BFD

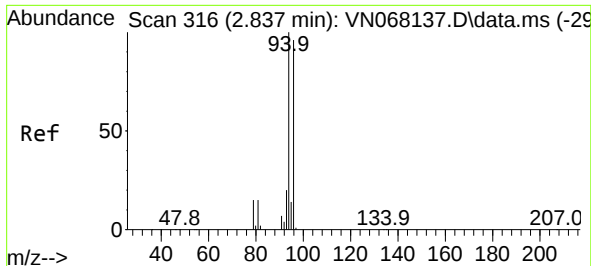
Tgt Ion:168 Resp: 391862
Ion Ratio Lower Upper
168 100
99 52.8 62.9 94.3#



#3
Chloromethane
Concen: 0.448 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.008 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

Tgt Ion: 50 Resp: 1532
Ion Ratio Lower Upper
50 100
52 43.5 25.6 38.4#

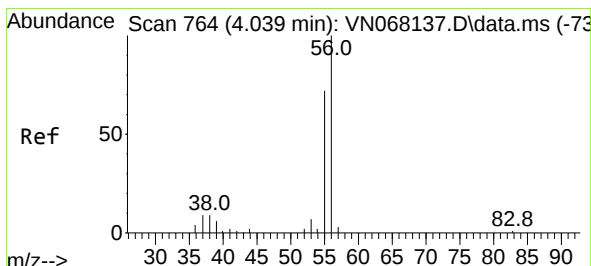
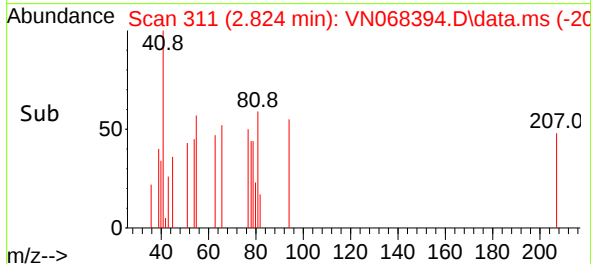
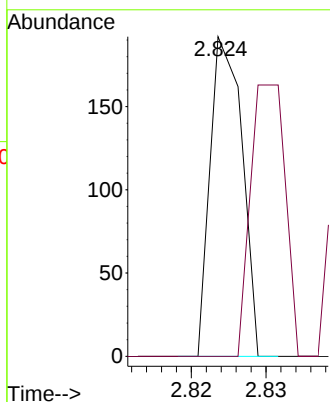
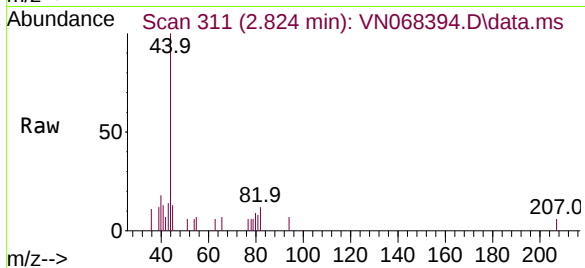




#5
Bromomethane
Concen: Below Cal
RT: 2.824 min Scan# 311
Delta R.T. -0.016 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

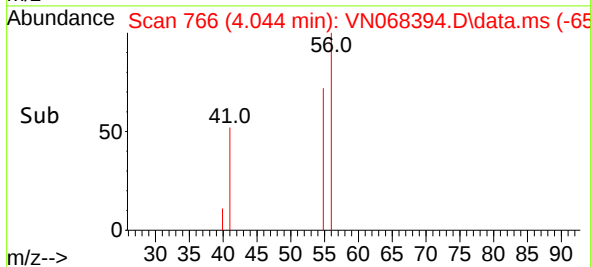
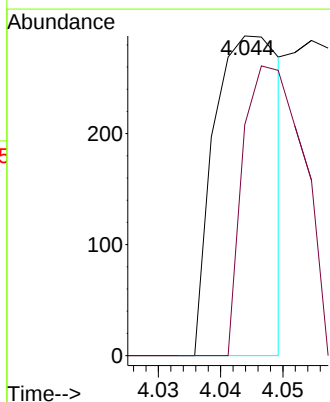
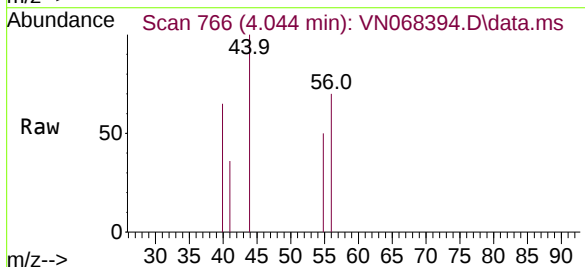
Instrument :
MSVOA_N
ClientSampled :
BPU-BFD

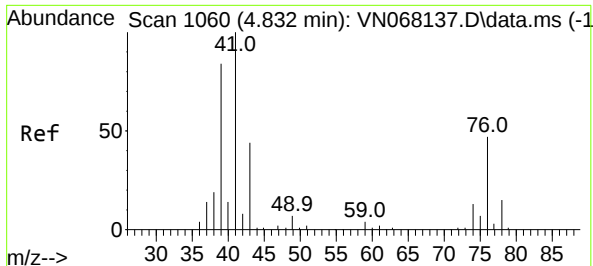
Tgt Ion: 94 Resp: 57
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#13
Acrolein
Concen: 0.621 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

Tgt Ion: 56 Resp: 211
Ion Ratio Lower Upper
56 100
55 82.9 57.4 86.0





#14

Allyl chloride

Concen: 0.258 ug/l

RT: 4.591 min Scan# 970

Delta R.T. -0.241 min

Lab File: VN068394.D

Acq: 2 Sep 2021 18:44

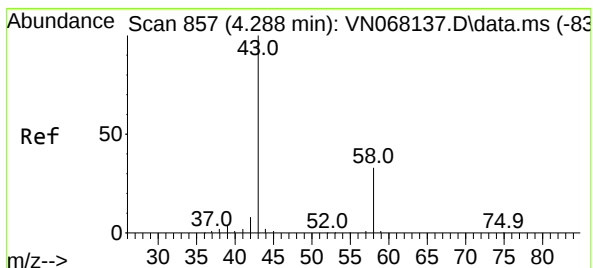
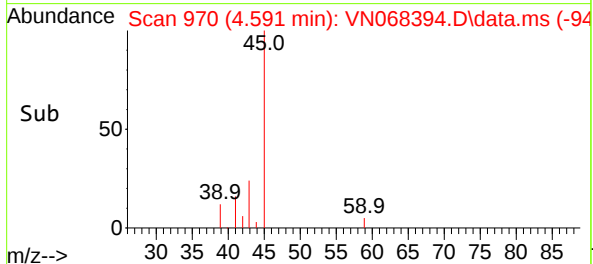
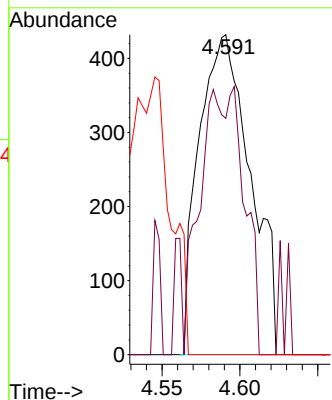
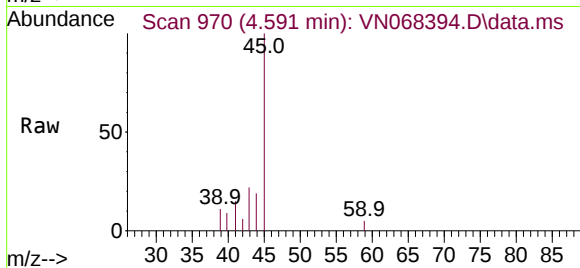
Instrument :

MSVOA_N

ClientSampleId :

BPU-BFD

Tgt Ion:	41	Resp:	993
Ion	Ratio	Lower	Upper
41	100		
39	43.0	60.9	91.3#
76	0.0	24.3	36.5#



#16

Acetone

Concen: Below Cal

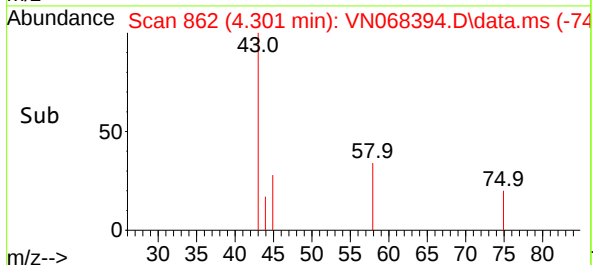
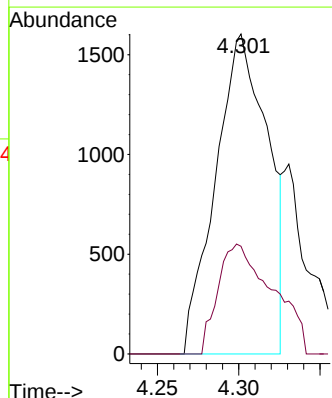
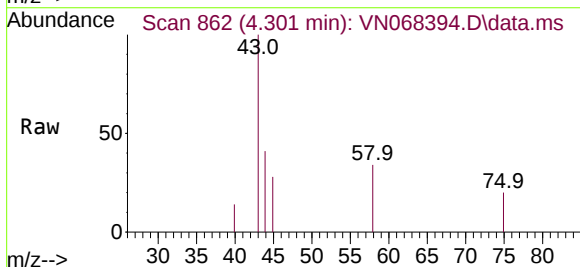
RT: 4.301 min Scan# 862

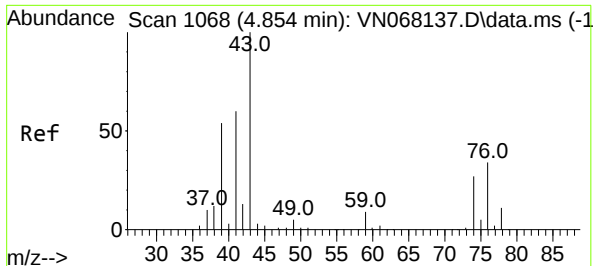
Delta R.T. 0.010 min

Lab File: VN068394.D

Acq: 2 Sep 2021 18:44

Tgt Ion:	43	Resp:	3573
Ion	Ratio	Lower	Upper
43	100		
58	33.7	21.2	31.8#

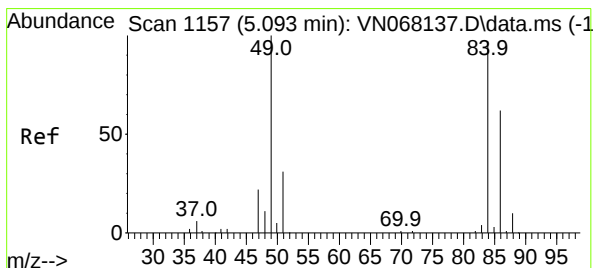
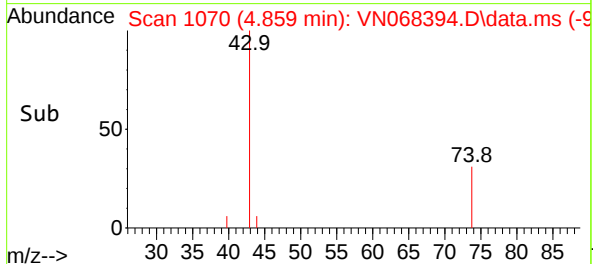
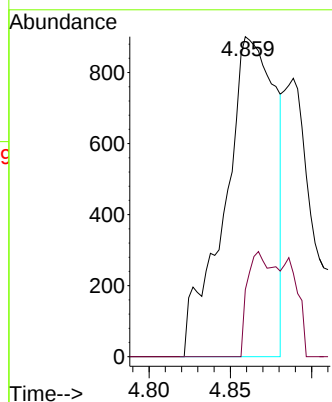
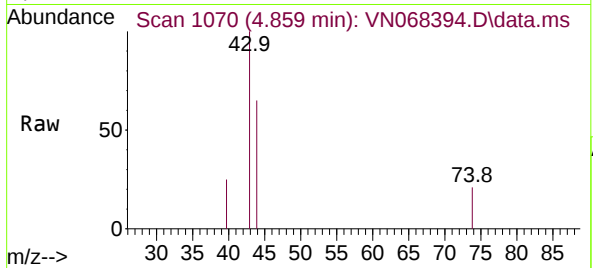




#18
Methyl Acetate
Concen: Below Cal
RT: 4.859 min Scan# 1070
Delta R.T. 0.002 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

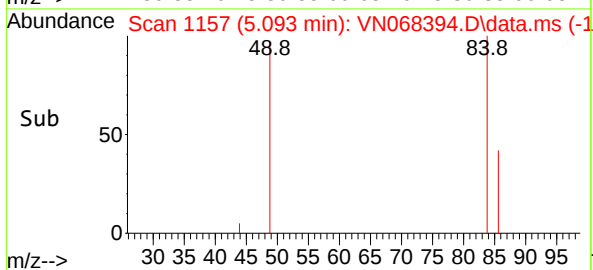
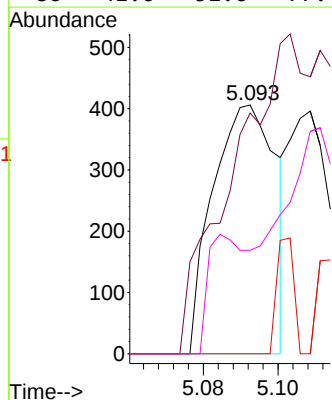
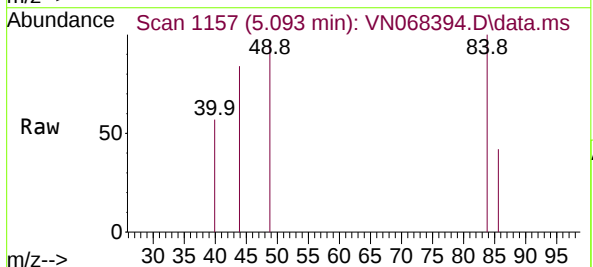
Instrument :
MSVOA_N
ClientSampled :
BPU-BFD

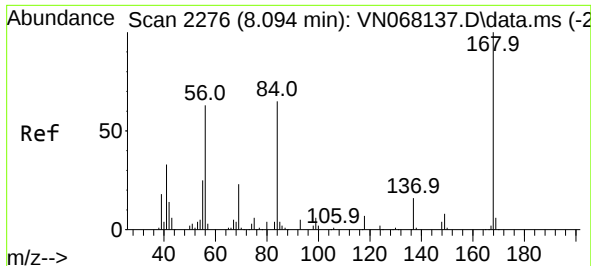
Tgt Ion: 43 Resp: 1956
Ion Ratio Lower Upper
43 100
74 18.7 17.4 26.0



#20
Methylene Chloride
Concen: Below Cal
RT: 5.093 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

Tgt Ion: 84 Resp: 472
Ion Ratio Lower Upper
84 100
49 96.8 110.9 166.3#
51 0.0 32.6 49.0#
86 41.6 51.6 77.4#

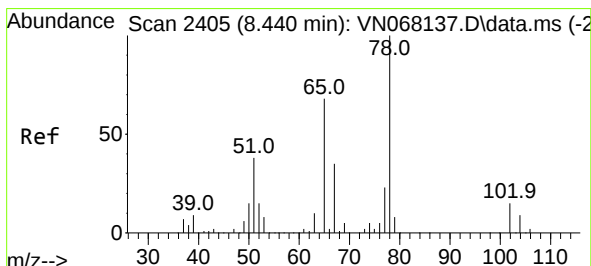
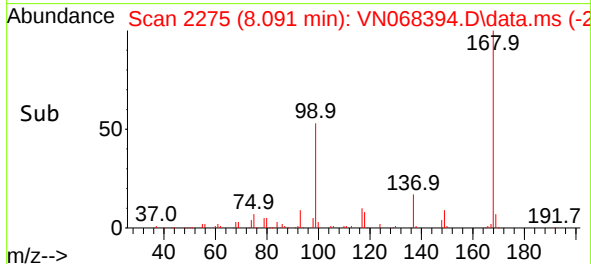
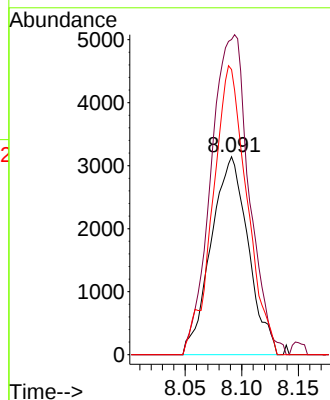
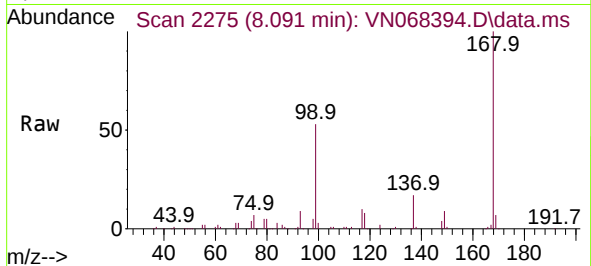




#31
Cyclohexane
Concen: 1.354 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

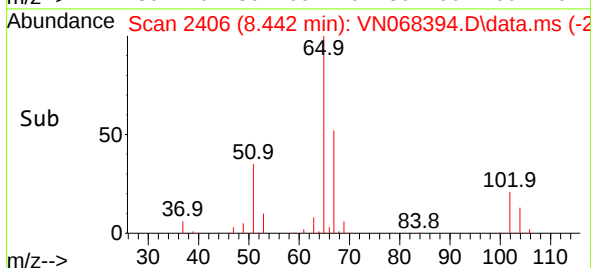
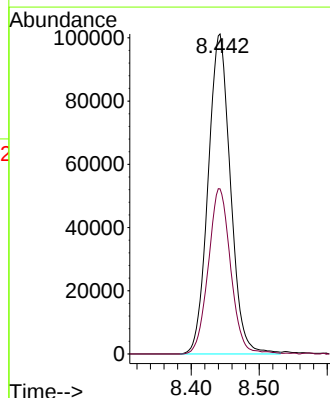
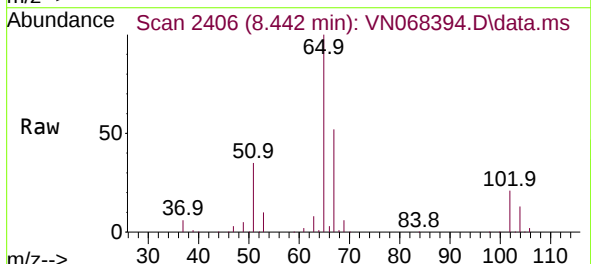
Instrument :
MSVOA_N
ClientSampleId :
BPU-BFD

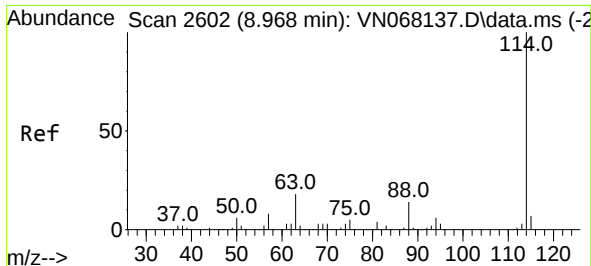
Tgt Ion: 56 Resp: 7139
Ion Ratio Lower Upper
56 100
69 159.2 27.3 40.9#
84 144.1 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 57.809 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

Tgt Ion: 65 Resp: 231222
Ion Ratio Lower Upper
65 100
67 51.3 0.0 98.6

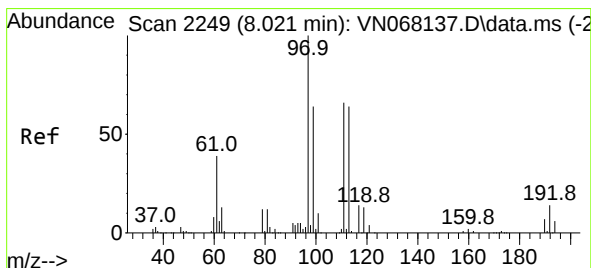
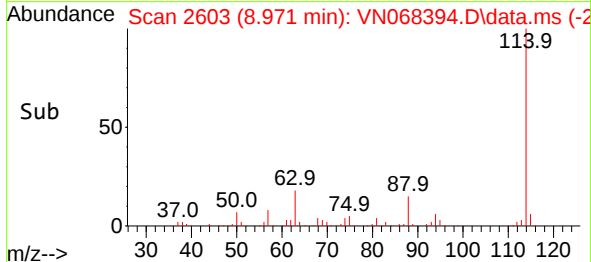
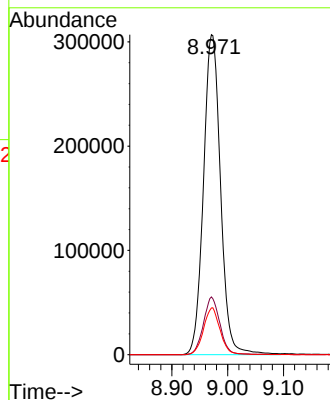
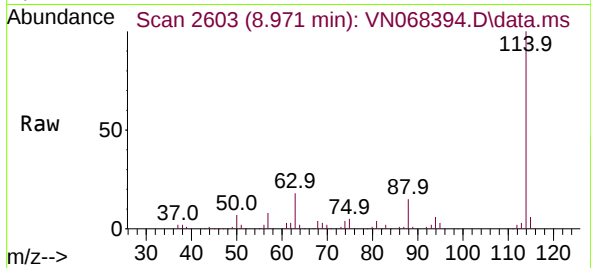




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

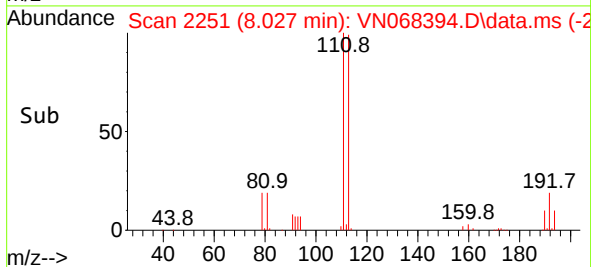
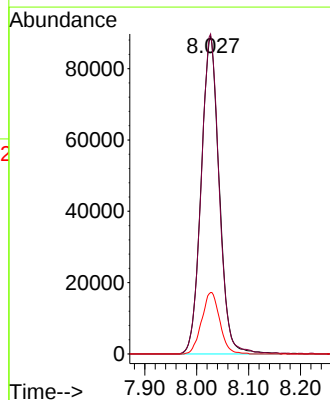
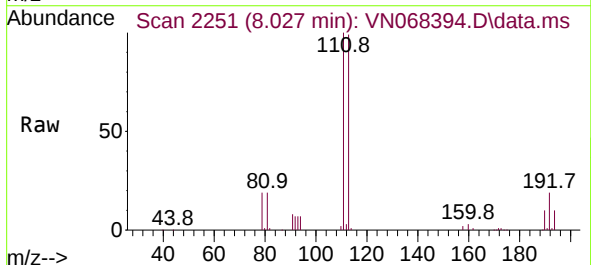
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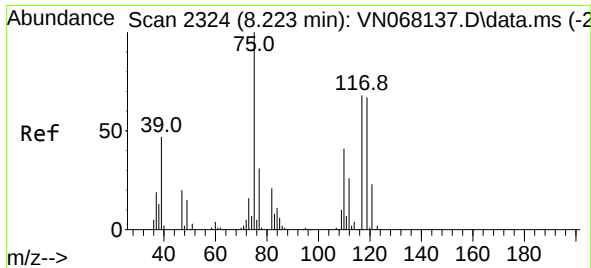
Tgt Ion:114 Resp: 653674
Ion Ratio Lower Upper
114 100
63 18.0 0.0 49.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.047 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.006 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

Tgt Ion:113 Resp: 215707
Ion Ratio Lower Upper
113 100
111 99.6 83.8 125.8
192 19.4 13.4 20.0

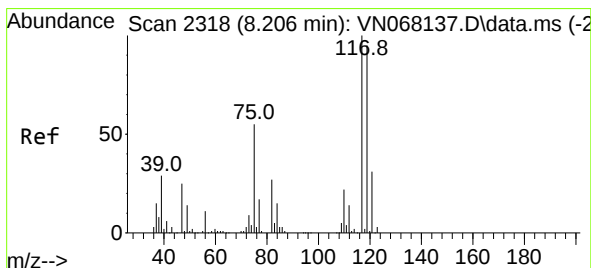
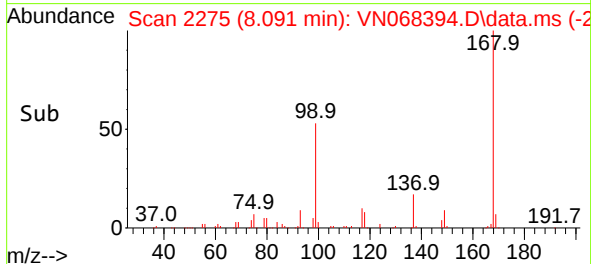
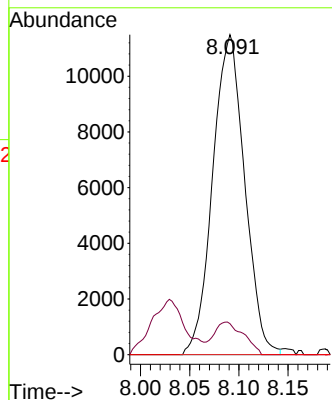
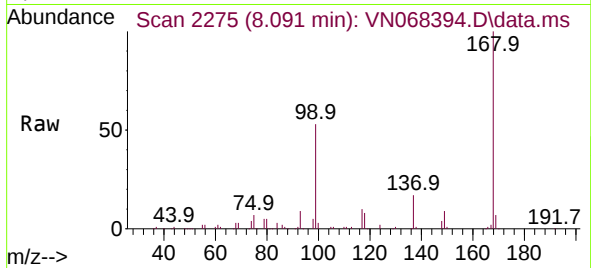




#36
1,1-Dichloropropene
Concen: 4.995 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

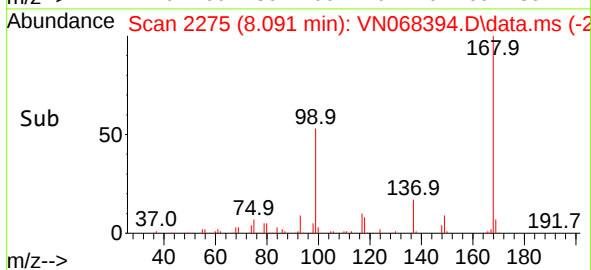
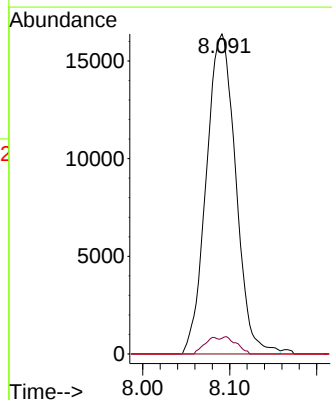
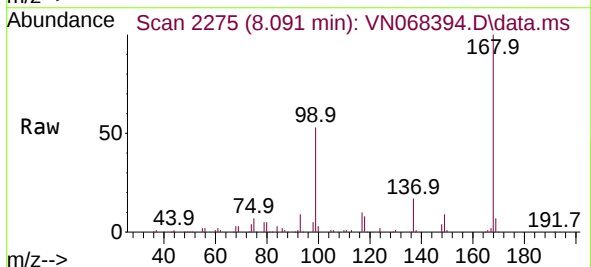
Instrument :
MSVOA_N
ClientSampled :
BPU-BFD

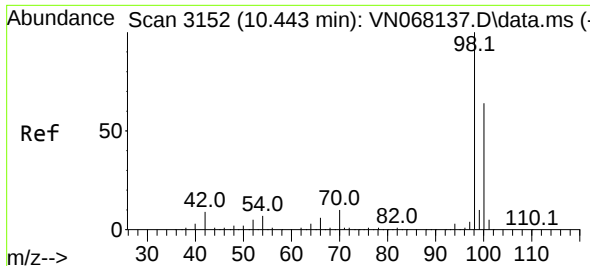
Tgt Ion: 75 Resp: 25968
Ion Ratio Lower Upper
75 100
110 9.4 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.201 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

Tgt Ion: 117 Resp: 38523
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 23.5 35.3#

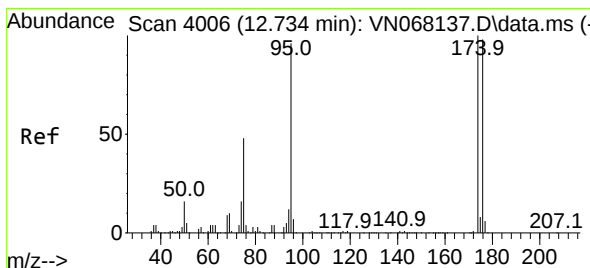
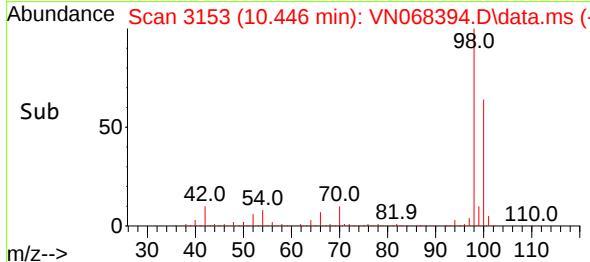
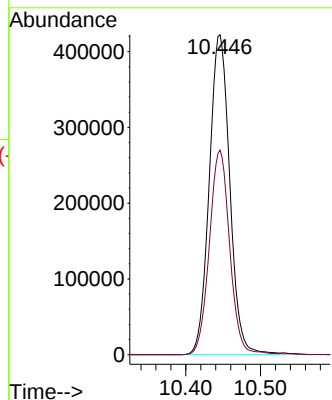
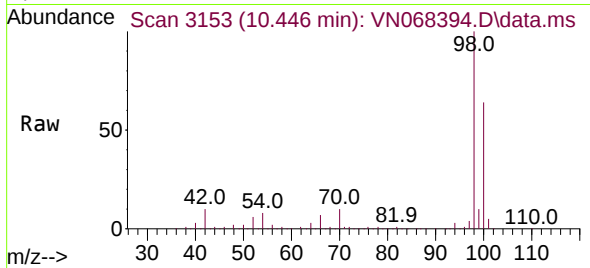




#50
Toluene-d8
Concen: 51.876 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

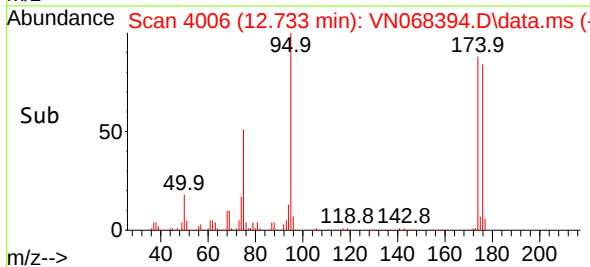
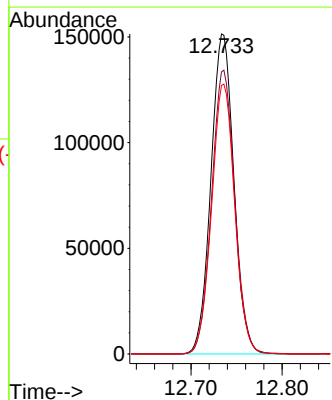
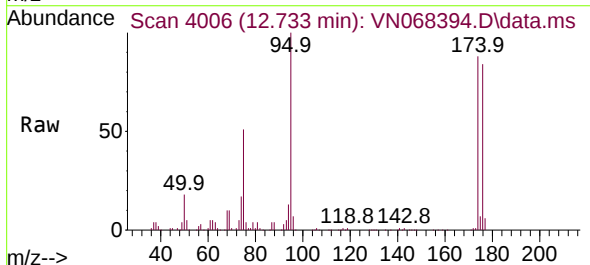
Instrument :
MSVOA_N
ClientSampled :
BPU-BFD

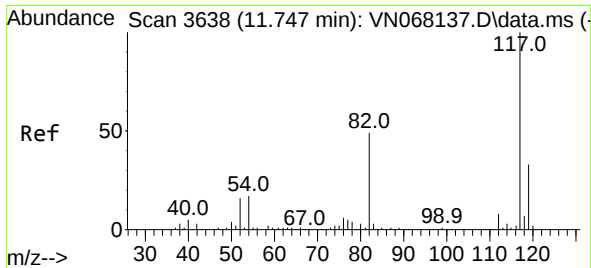
Tgt Ion: 98 Resp: 804830
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 51.918 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

Tgt Ion: 95 Resp: 264338
Ion Ratio Lower Upper
95 100
174 89.7 0.0 122.0
176 85.2 0.0 117.6

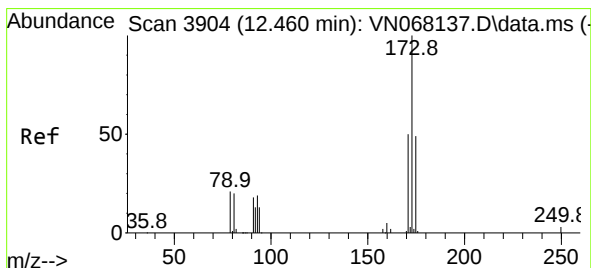
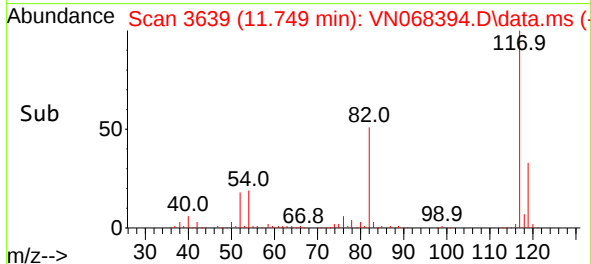
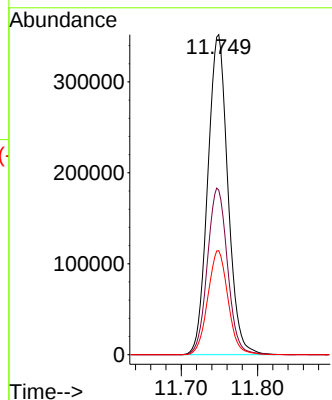
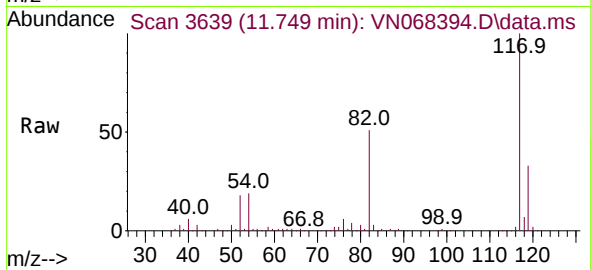




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

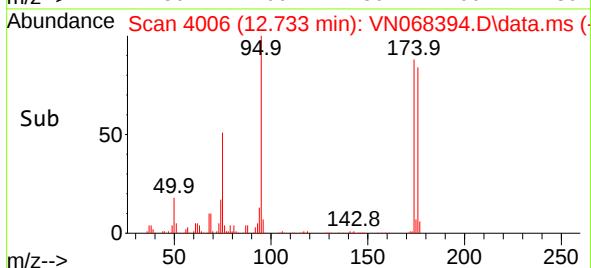
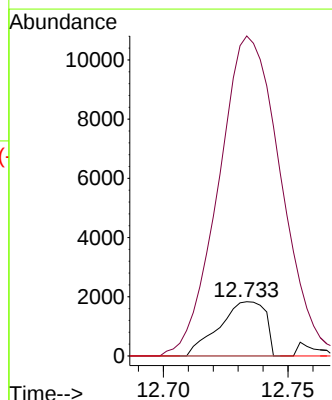
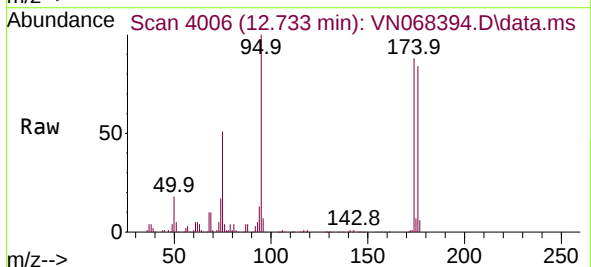
Instrument :
MSVOA_N
ClientSampleId :
BPU-BFD

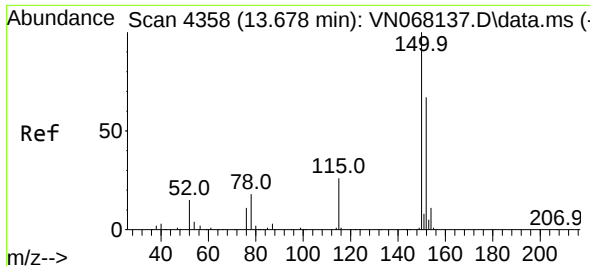
Tgt Ion:117 Resp: 644690
Ion Ratio Lower Upper
117 100
82 51.5 53.1 79.7#
119 32.5 25.5 38.3



#71
Bromoform
Concen: 2.410 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

Tgt Ion:173 Resp: 2371
Ion Ratio Lower Upper
173 100
175 723.8 23.9 71.8#
254 0.0 0.0 0.0

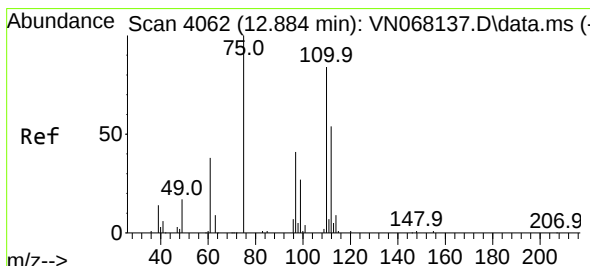
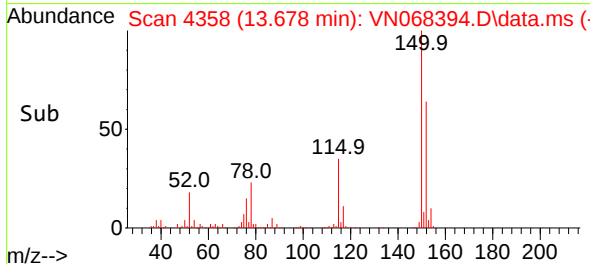
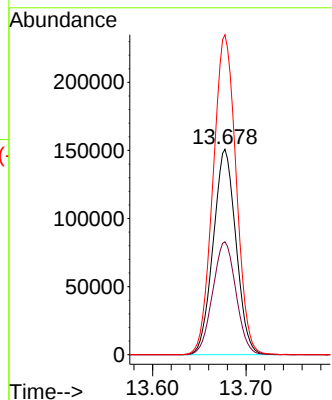
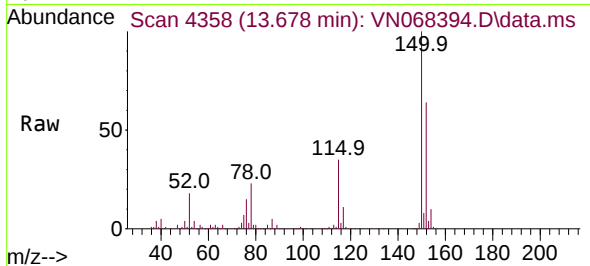




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

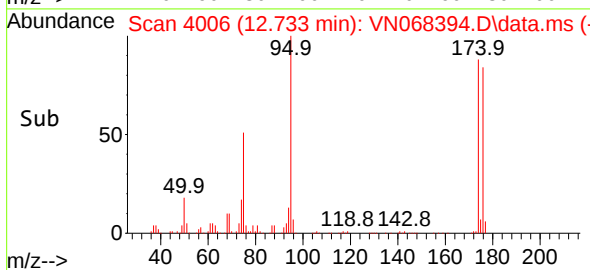
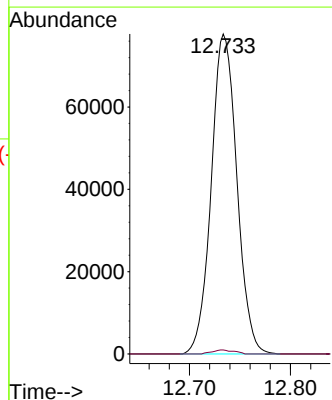
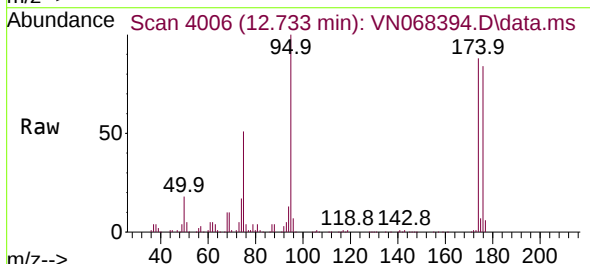
Instrument :
MSVOA_N
ClientSampled :
BPU-BFD

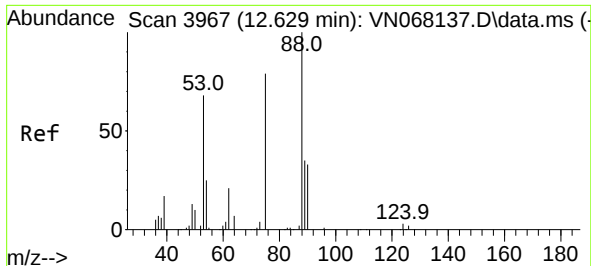
Tgt Ion:152 Resp: 255846
Ion Ratio Lower Upper
152 100
115 56.3 36.1 108.5
150 158.0 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 31.435 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

Tgt Ion: 75 Resp: 136685
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

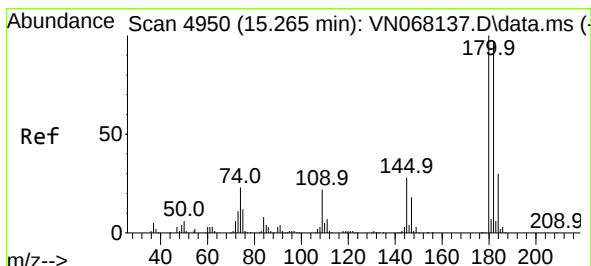
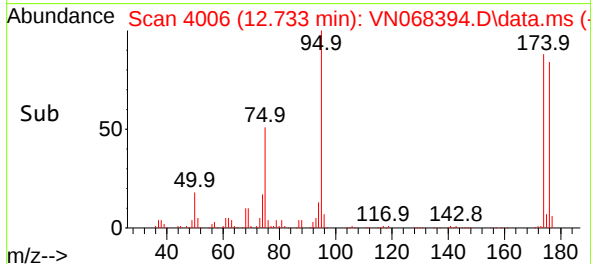
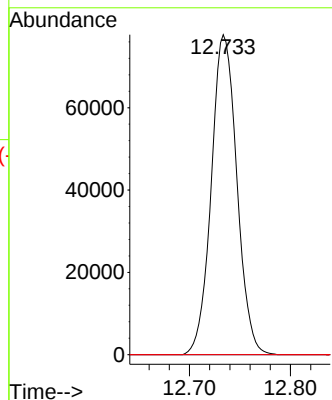
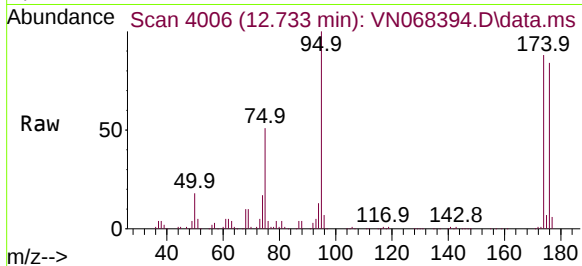




#81
trans-1,4-Dichloro-2-butene
Concen: 103.861 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

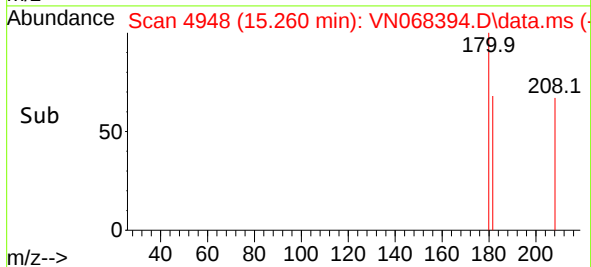
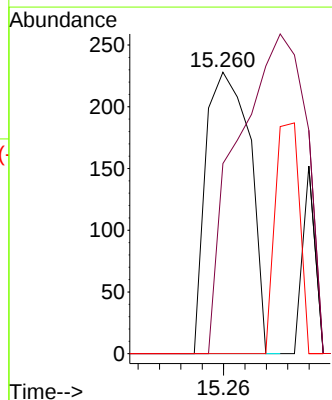
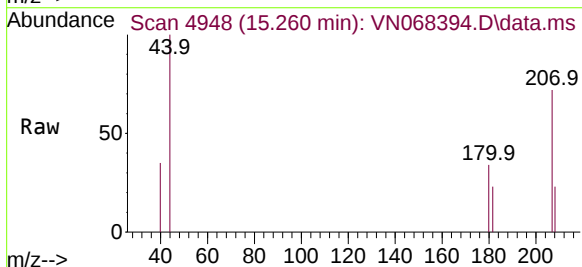
Instrument :
MSVOA_N
ClientSampled :
BPU-BFD

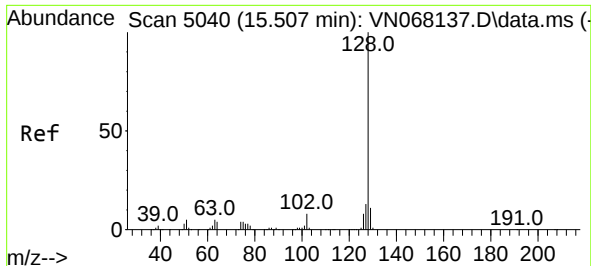
Tgt Ion: 75 Resp: 136685
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.233 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

Tgt Ion:180 Resp: 130
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#

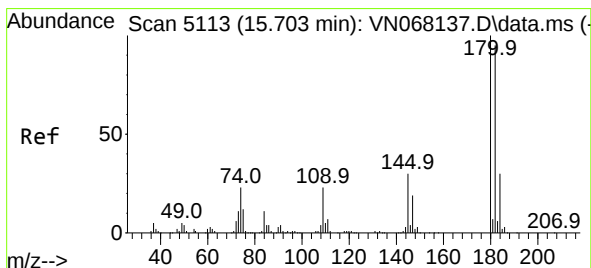
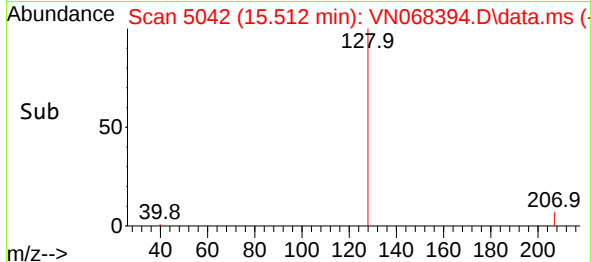
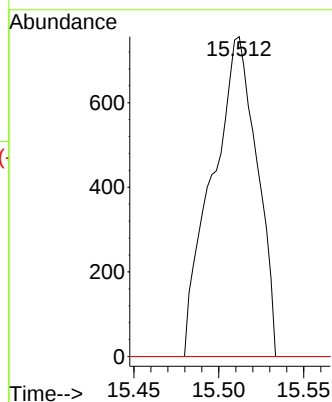
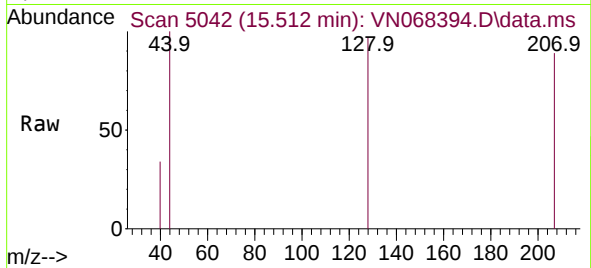




#95
Naphthalene
Concen: 2.469 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

Instrument :
MSVOA_N
ClientSampled :
BPU-BFD

Tgt Ion:128 Resp: 1384
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.060 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN068394.D
Acq: 2 Sep 2021 18:44

Tgt Ion:180 Resp: 298
Ion Ratio Lower Upper
180 100
182 102.7 47.8 143.3
145 0.0 18.2 54.6#

