

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
 Data File : VN068096.D
 Acq On : 12 Aug 2021 17:54
 Operator : JC/MD
 Sample : M3361-10 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 05:45:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	304015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	580383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	557439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	188874	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	230223	53.492	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.980%	
35) Dibromofluoromethane	8.024	113	177900	52.596	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.200%	
50) Toluene-d8	10.443	98	731829	47.123	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 94.240%	
62) 4-Bromofluorobenzene	12.733	95	234276	41.898	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 83.800%	

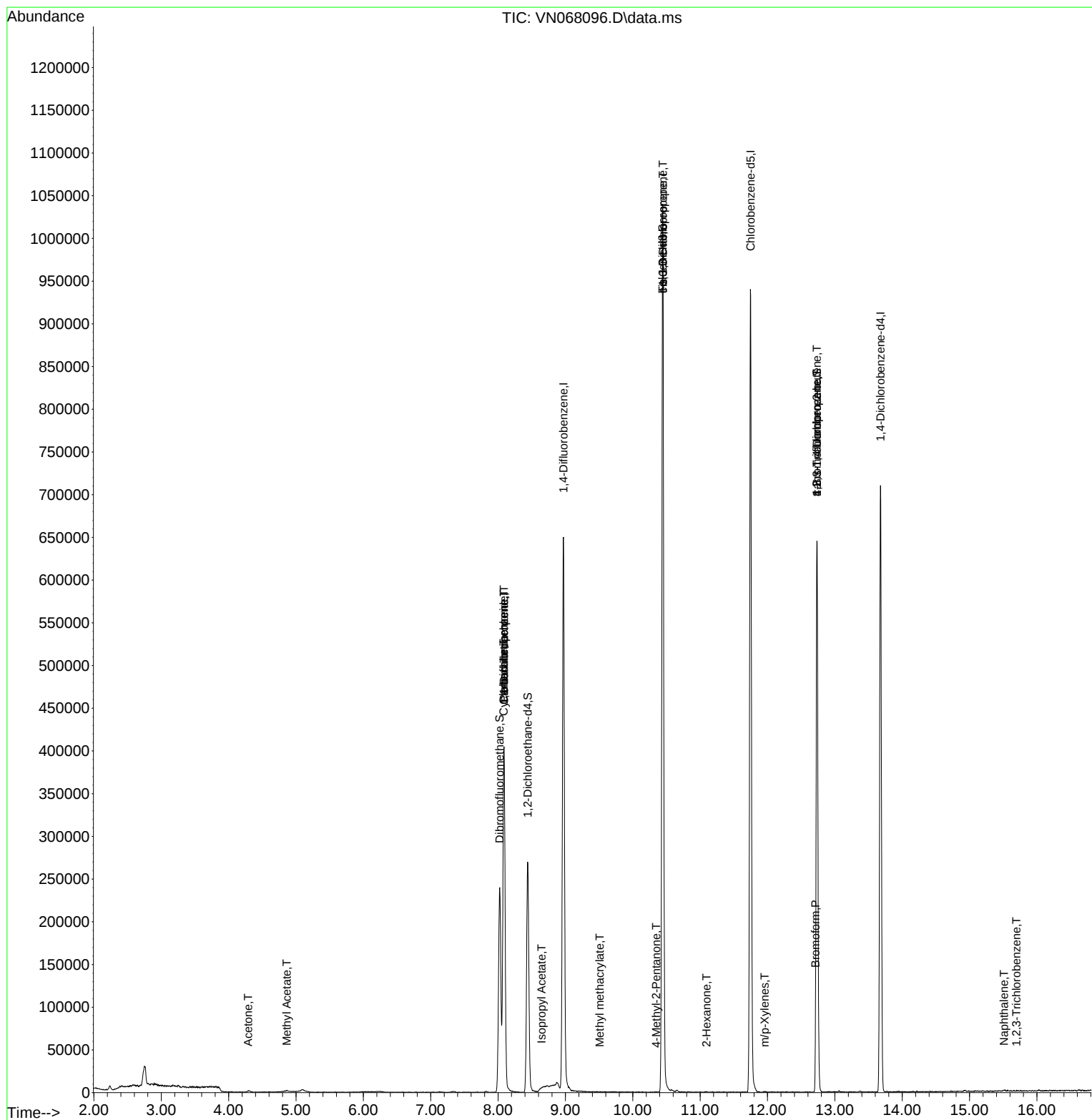
Target Compounds				Qvalue		
16) Acetone	4.291	43	3390	2.159	ug/l	92
18) Methyl Acetate	4.862	43	2299	0.508	ug/l #	79
20) Methylene Chloride	5.103	84	249	Below Cal	#	9
31) Cyclohexane	8.083	56	7283	1.147	ug/l #	20
36) 1,1-Dichloropropene	8.086	75	26897	5.010	ug/l #	52
38) Carbon Tetrachloride	8.086	117	33340	6.315	ug/l #	17
43) Isopropyl Acetate	8.646	43	3917	0.465	ug/l #	58
48) Methyl methacrylate	9.510	41	52	2.317	ug/l #	12
51) 4-Methyl-2-Pentanone	10.349	43	404	12.629	ug/l #	39
53) t-1,3-Dichloropropene	10.448	75	133	2.851	ug/l #	1
54) cis-1,3-Dichloropropene	10.448	75	133	2.373	ug/l #	2
59) 2-Hexanone	11.095	43	670	13.433	ug/l #	28
68) m/p-Xylenes	11.958	106	82	4.071	ug/l #	1
71) Bromoform	12.712	173	110	4.059	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	129445	34.126	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	129445	91.465	ug/l #	6
95) Naphthalene	15.509	128	1583	3.308	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.697	180	53	2.386	ug/l #	43

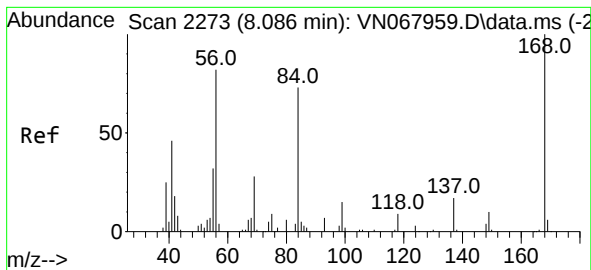
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 13 05:45:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration

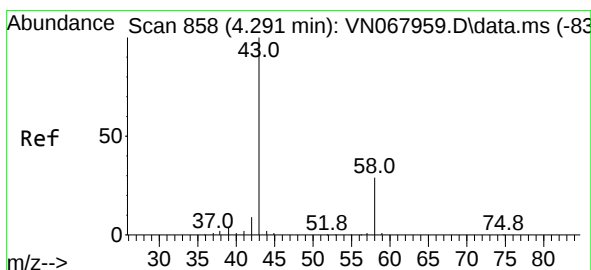
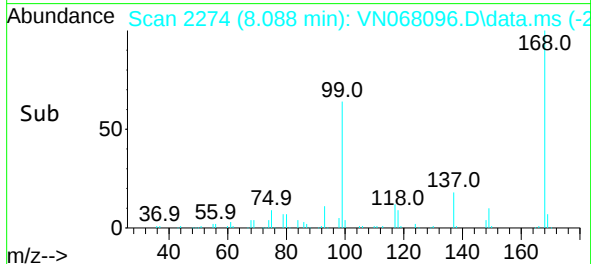
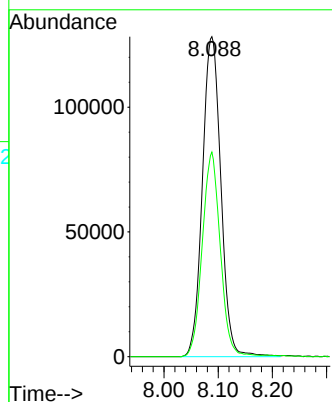
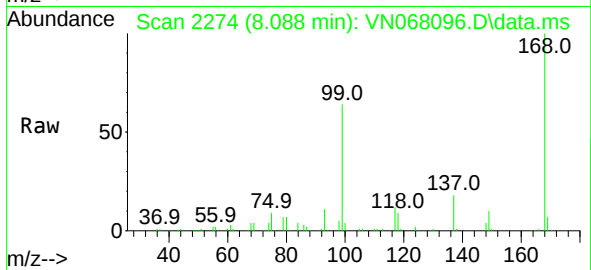




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

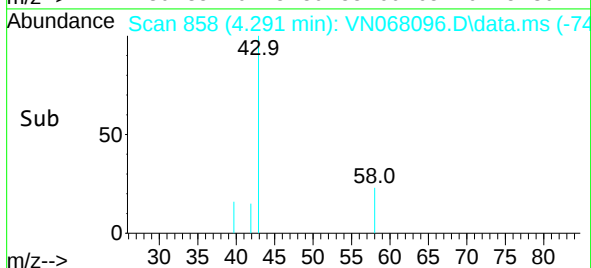
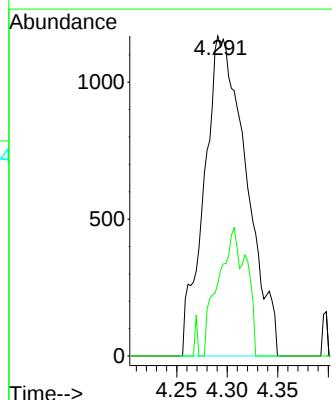
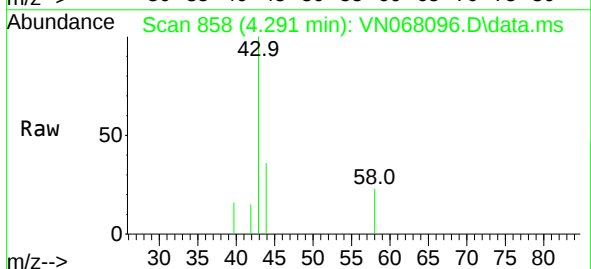
Instrument :
MSVOA_N
ClientSampled :

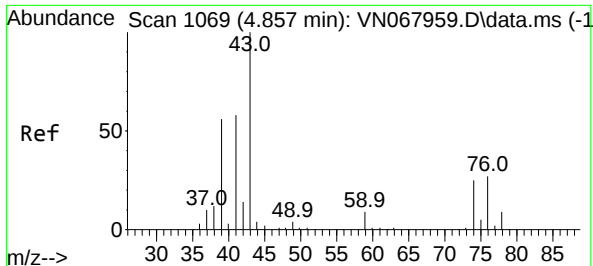
Tgt Ion:168 Resp: 304015
Ion Ratio Lower Upper
168 100
99 63.9 62.9 94.3



#16
Acetone
Concen: 2.159 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

Tgt Ion: 43 Resp: 3390
Ion Ratio Lower Upper
43 100
58 22.6 21.2 31.8





#18

Methyl Acetate

Concen: 0.508 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. 0.005 min

Lab File: VN068096.D

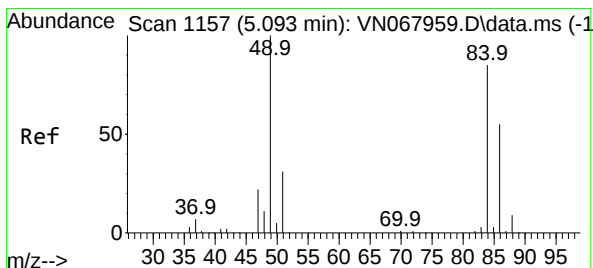
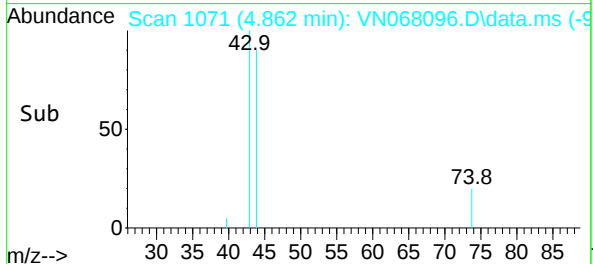
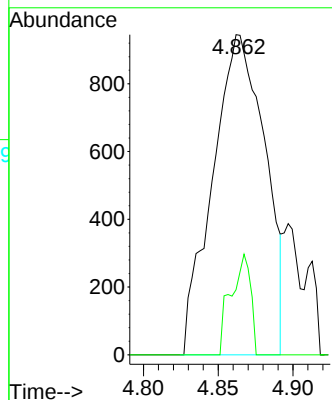
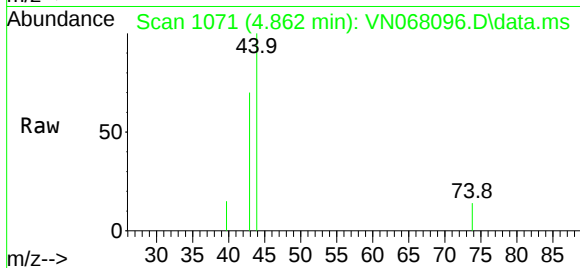
Acq: 12 Aug 2021 17:54

Tgt Ion: 43 Resp: 2299

Ion Ratio Lower Upper

43 100

74 11.8 17.4 26.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.103 min Scan# 1161

Delta R.T. 0.010 min

Lab File: VN068096.D

Acq: 12 Aug 2021 17:54

Tgt Ion: 84 Resp: 249

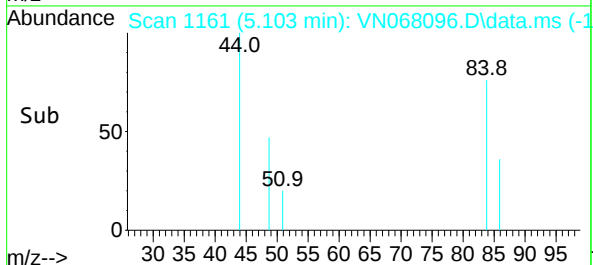
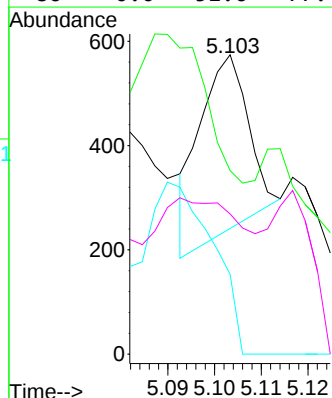
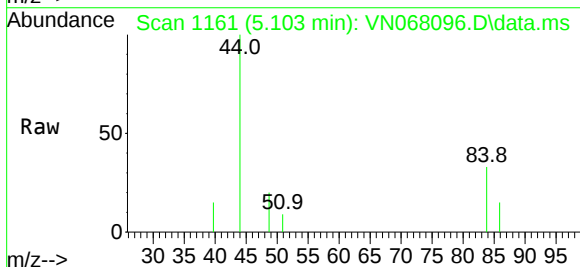
Ion Ratio Lower Upper

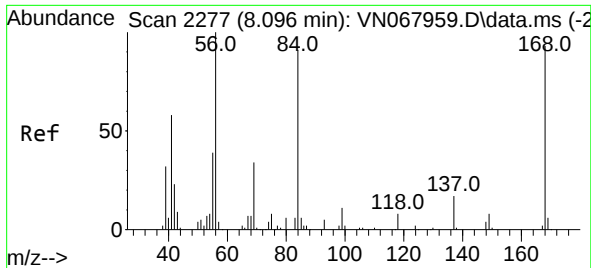
84 100

49 0.0 110.9 166.3#

51 55.4 32.6 49.0#

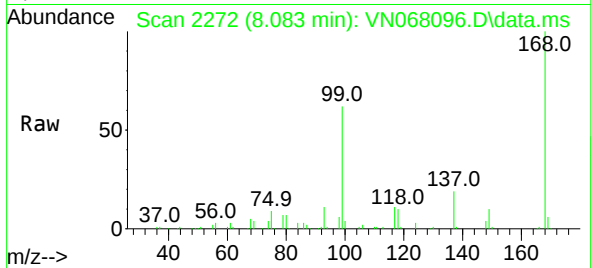
86 0.0 51.6 77.4#



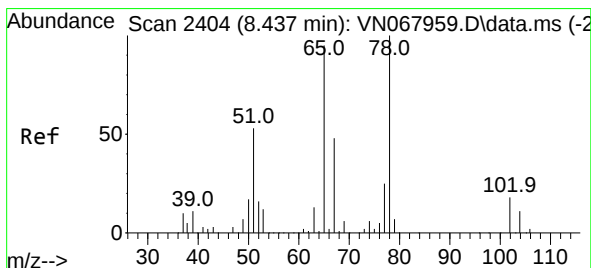
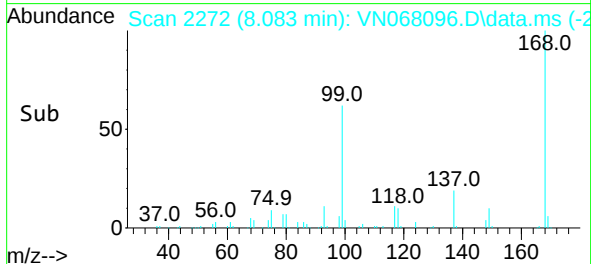
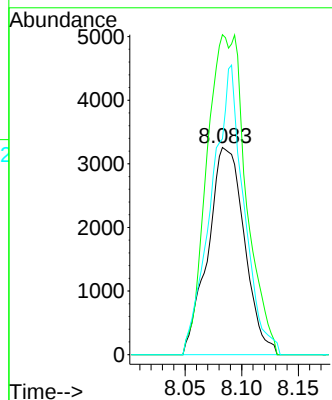


#31
Cyclohexane
Concen: 1.147 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

Instrument :
MSVOA_N
ClientSampled :

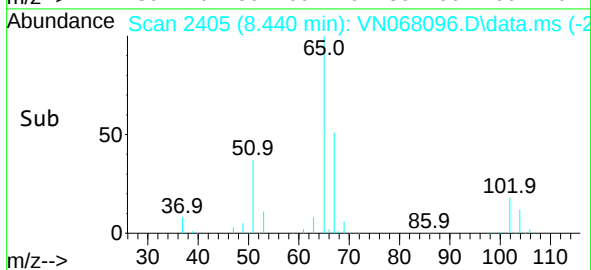
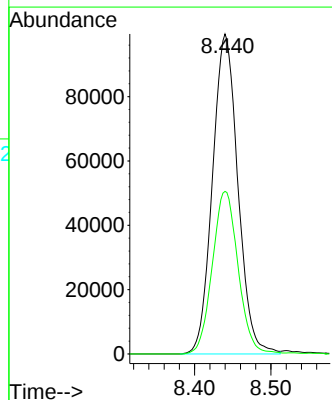
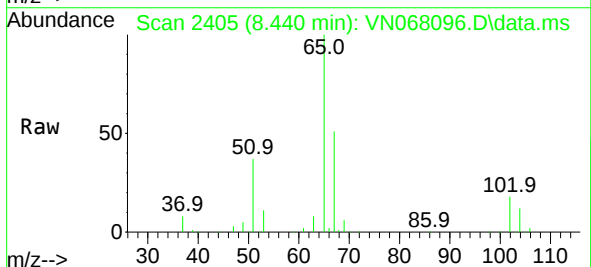


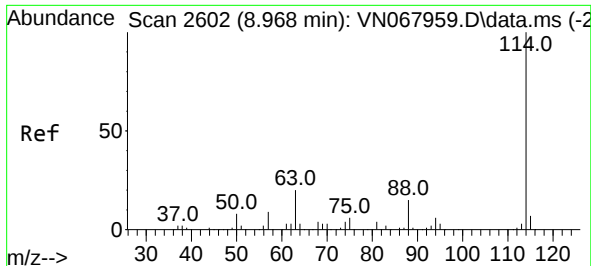
Tgt Ion: 56 Resp: 7283
Ion Ratio Lower Upper
56 100
69 154.4 27.3 40.9#
84 104.1 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.492 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

Tgt Ion: 65 Resp: 230223
Ion Ratio Lower Upper
65 100
67 51.5 0.0 98.6

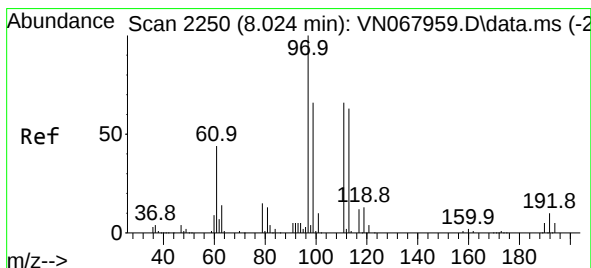
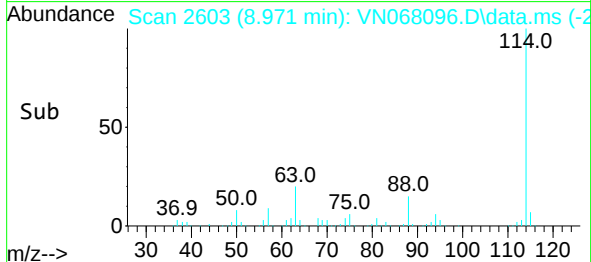
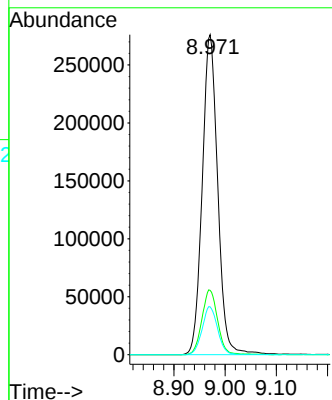
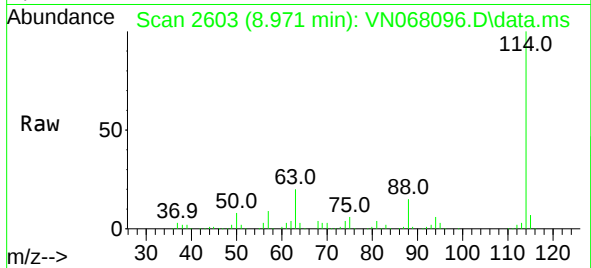




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

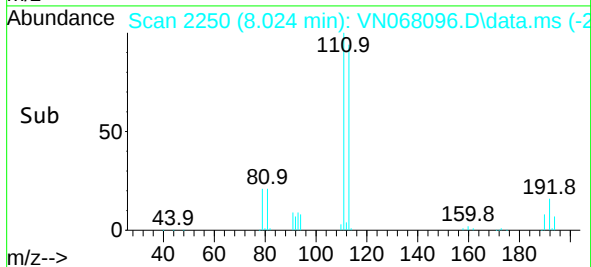
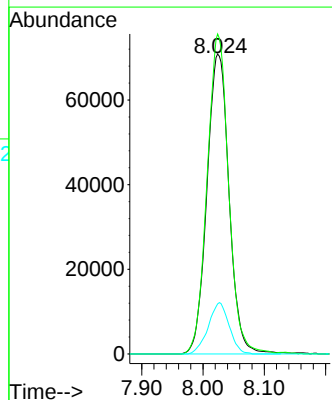
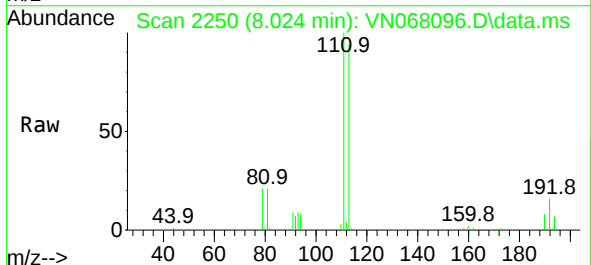
Instrument :
MSVOA_N
ClientSampled :

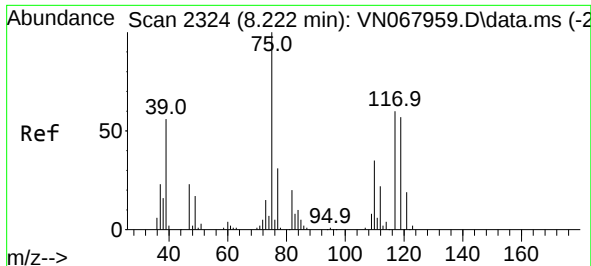
Tgt Ion:114 Resp: 580383
Ion Ratio Lower Upper
114 100
63 20.1 0.0 49.0
88 15.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.596 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

Tgt Ion:113 Resp: 177900
Ion Ratio Lower Upper
113 100
111 103.7 83.8 125.8
192 16.2 13.4 20.0

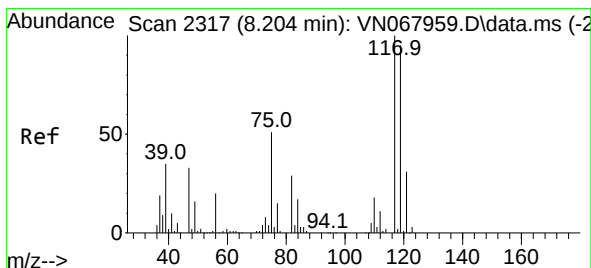
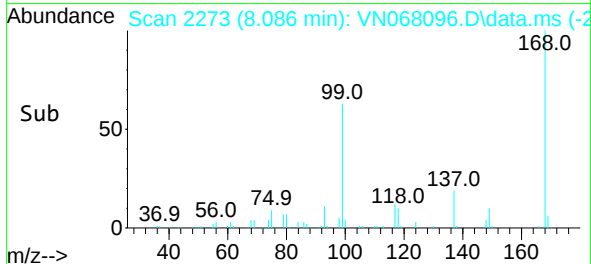
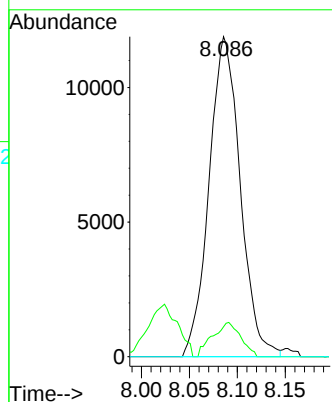
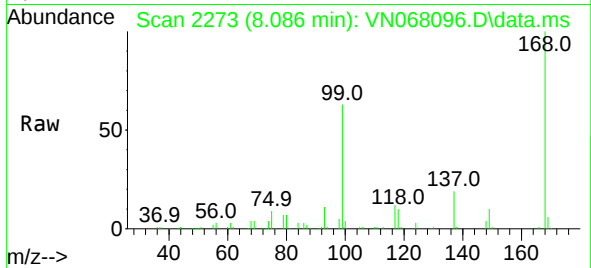




#36
1,1-Dichloropropene
Concen: 5.010 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

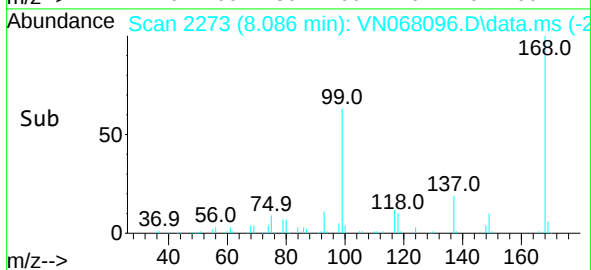
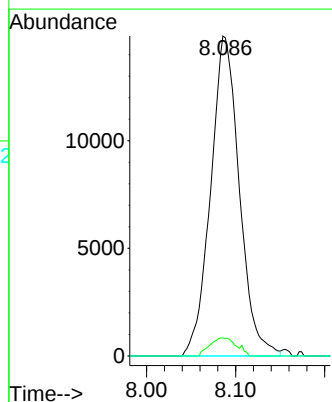
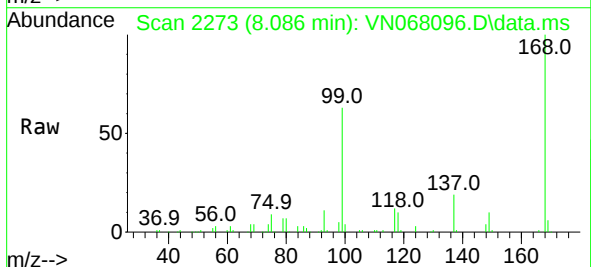
Instrument :
MSVOA_N
ClientSampled :

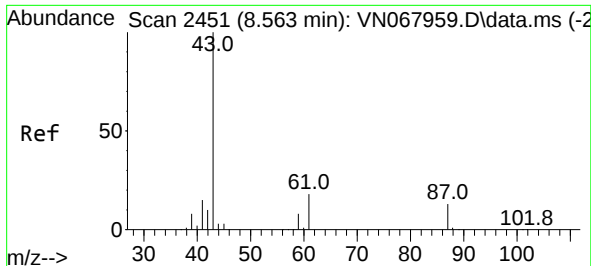
Tgt Ion: 75 Resp: 26897
Ion Ratio Lower Upper
75 100
110 9.6 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.315 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.118 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

Tgt Ion: 117 Resp: 33340
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 23.5 35.3#

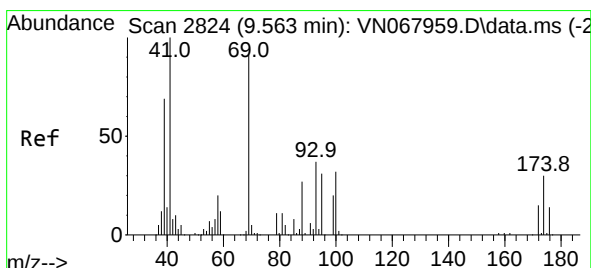
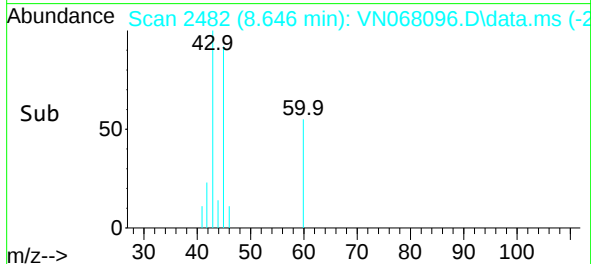
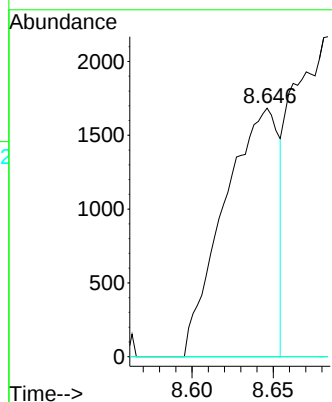
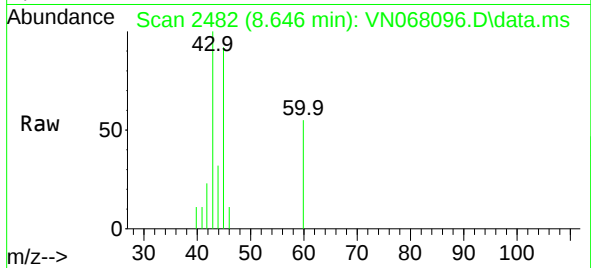




#43
Isopropyl Acetate
Concen: 0.465 ug/l
RT: 8.646 min Scan# 2482
Delta R.T. 0.083 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

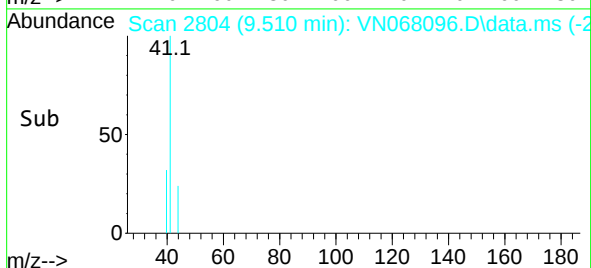
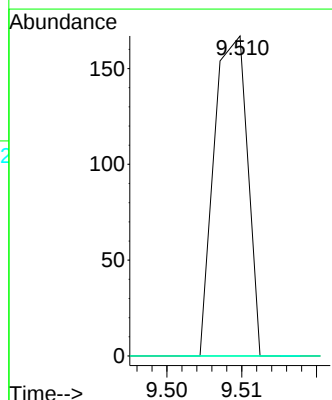
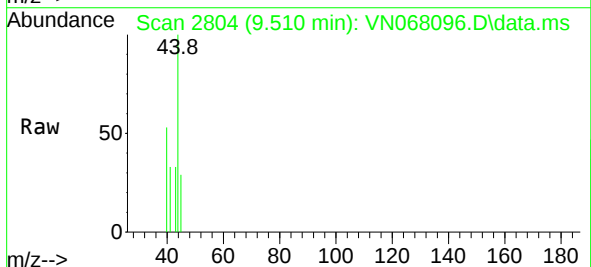
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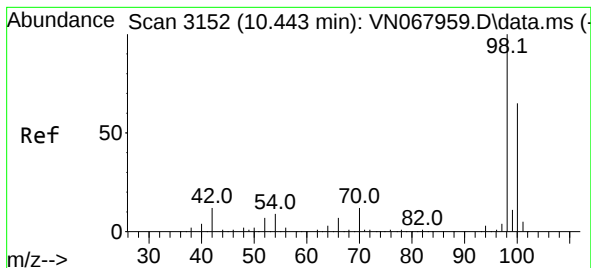
Tgt Ion: 43 Resp: 3917
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#48
Methyl methacrylate
Concen: 2.317 ug/l
RT: 9.510 min Scan# 2804
Delta R.T. -0.053 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

Tgt Ion: 41 Resp: 52
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

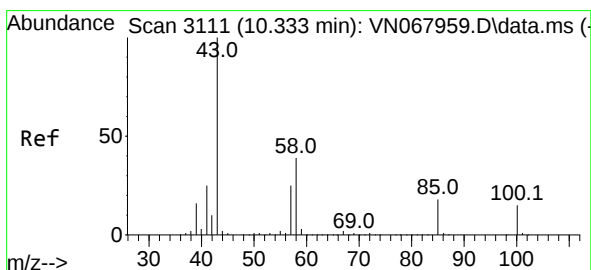
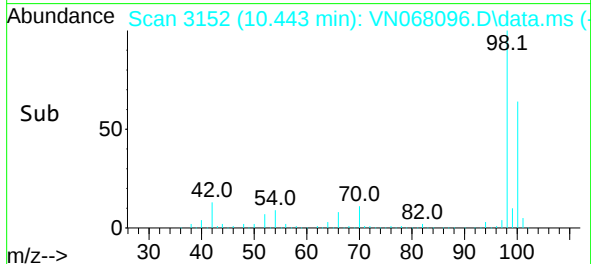
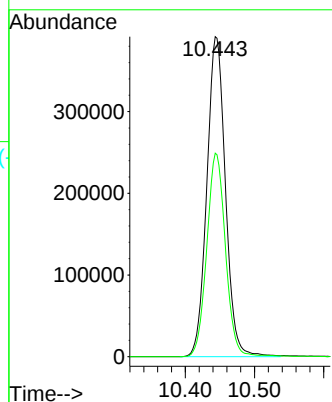
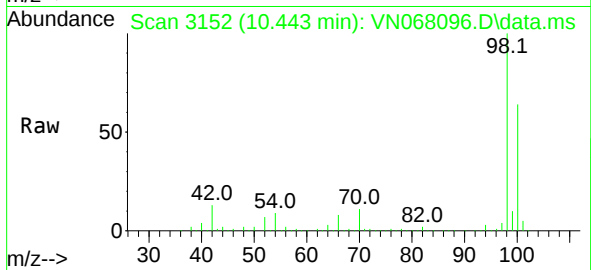




#50
Toluene-d8
Concen: 47.123 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

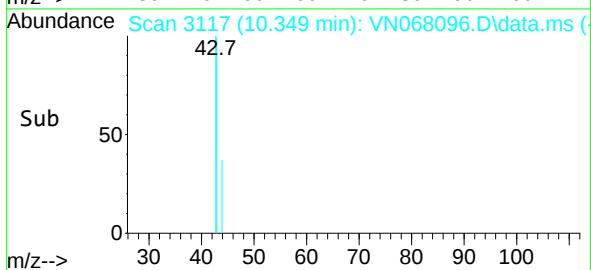
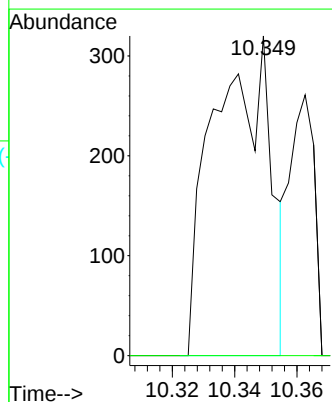
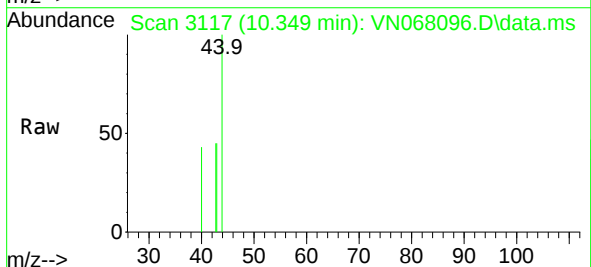
Instrument :
MSVOA_N
ClientSampled :

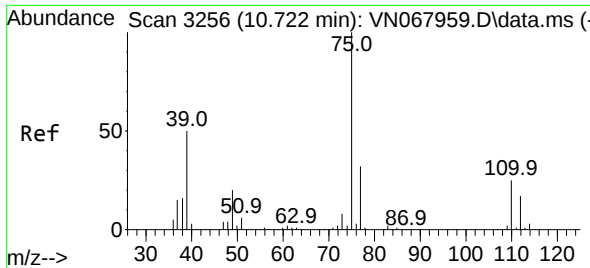
Tgt Ion: 98 Resp: 731829
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.629 ug/l
RT: 10.349 min Scan# 3117
Delta R.T. 0.016 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

Tgt Ion: 43 Resp: 404
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

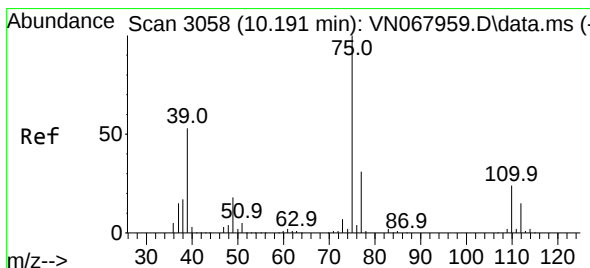
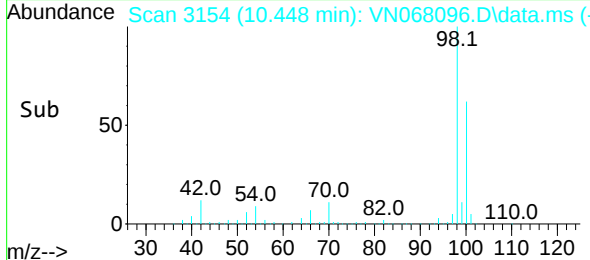
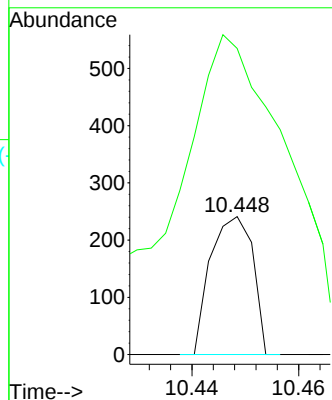
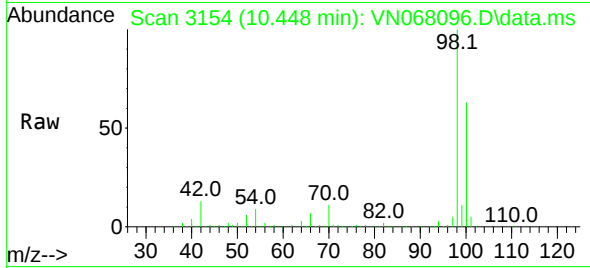




#53
t-1,3-Dichloropropene
Concen: 2.851 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.274 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

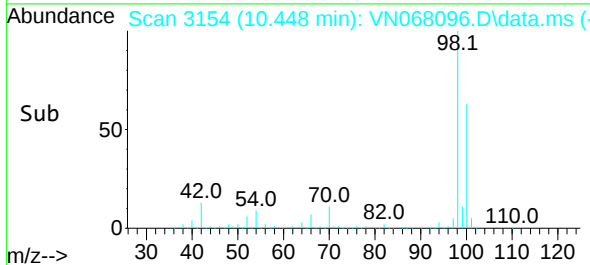
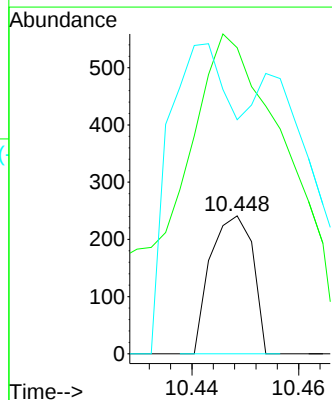
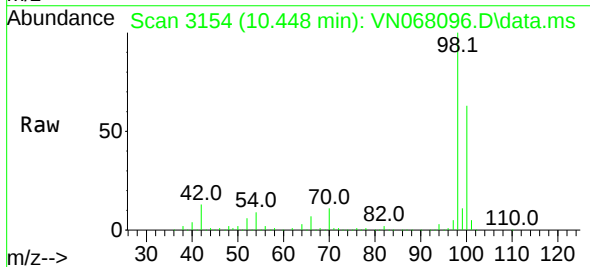
Instrument :
MSVOA_N
ClientSampled :

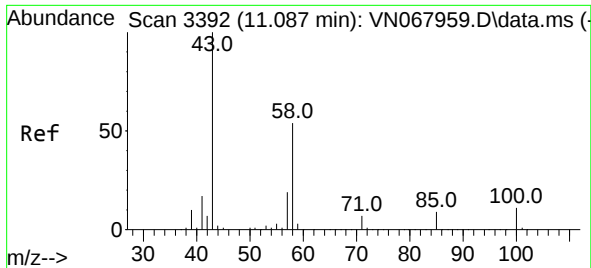
Tgt Ion: 75 Resp: 133
Ion Ratio Lower Upper
75 100
77 102.9 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 2.373 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. 0.257 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

Tgt Ion: 75 Resp: 133
Ion Ratio Lower Upper
75 100
77 102.9 24.6 37.0#
39 0.0 50.7 76.1#

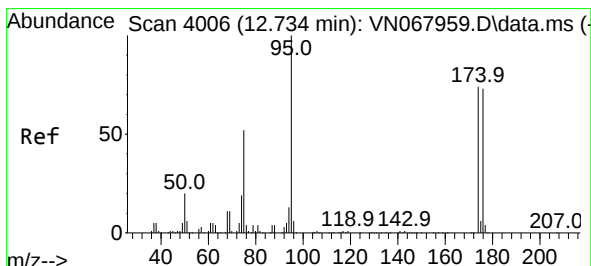
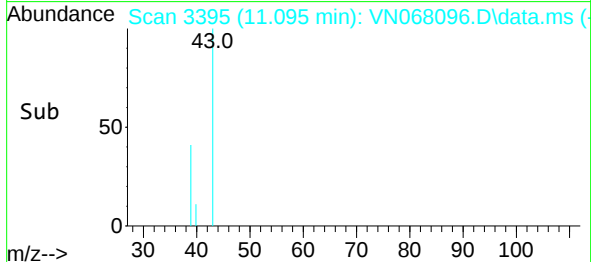
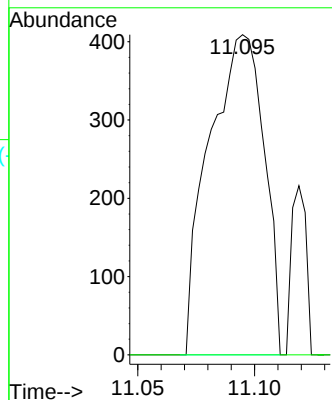
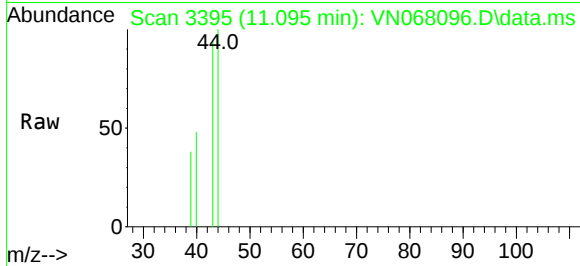




#59
2-Hexanone
Concen: 13.433 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

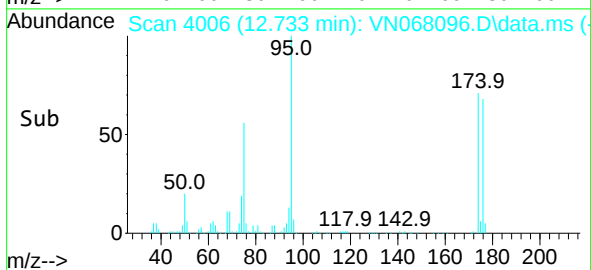
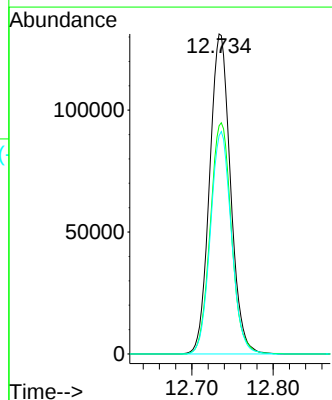
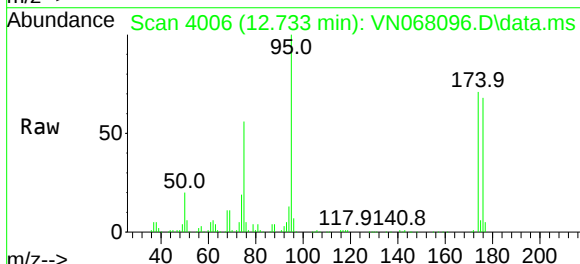
Instrument :
MSVOA_N
ClientSampled :

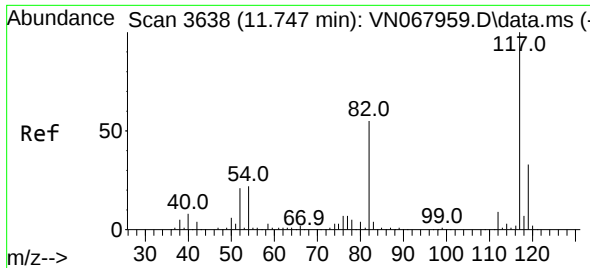
Tgt Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 41.898 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

Tgt Ion: 95 Resp: 234276
Ion Ratio Lower Upper
95 100
174 73.2 0.0 122.0
176 69.6 0.0 117.6

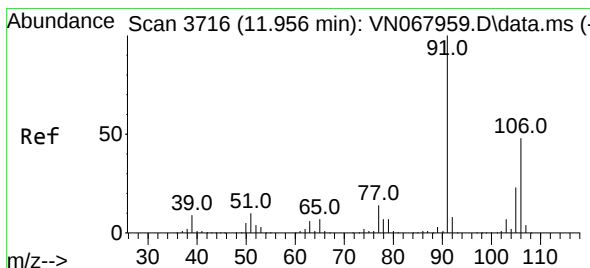
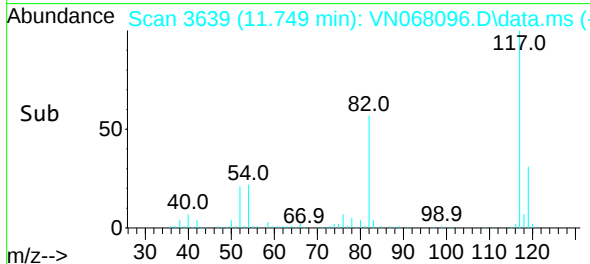
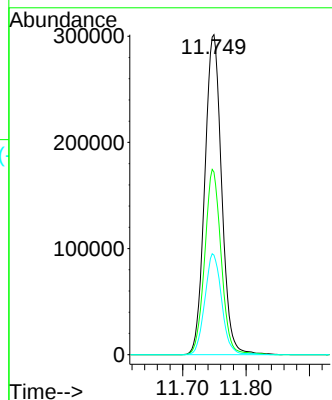
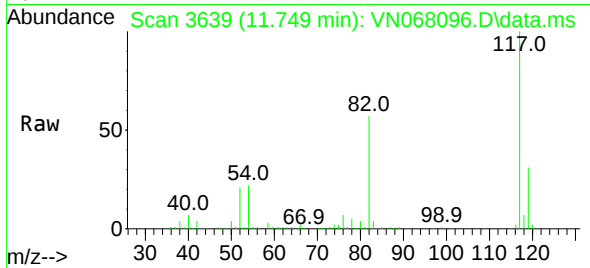




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

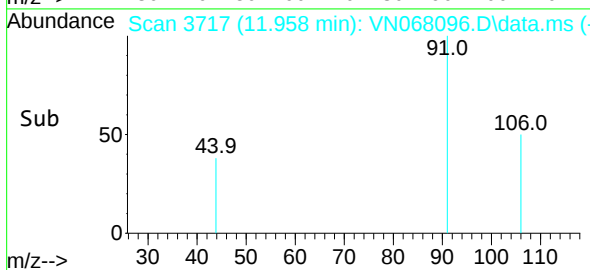
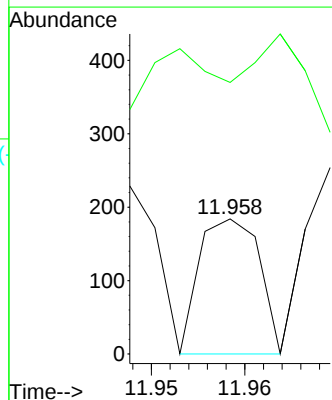
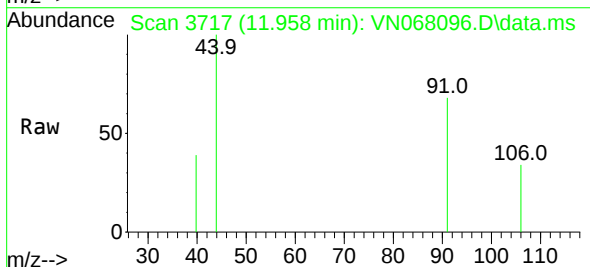
Instrument :
MSVOA_N
ClientSampled :

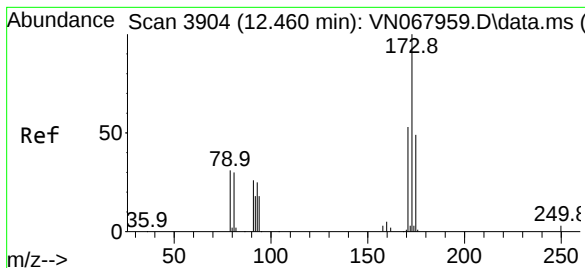
Tgt Ion:117 Resp: 557439
Ion Ratio Lower Upper
117 100
82 57.1 53.1 79.7
119 31.1 25.5 38.3



#68
m/p-Xylenes
Concen: 4.071 ug/l
RT: 11.958 min Scan# 3717
Delta R.T. 0.002 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

Tgt Ion:106 Resp: 82
Ion Ratio Lower Upper
106 100
91 464.6 180.6 270.8#





#71

Bromoform

Concen: 4.059 ug/l

RT: 12.712 min Scan# 3998

Delta R.T. 0.252 min

Lab File: VN068096.D

Acq: 12 Aug 2021 17:54

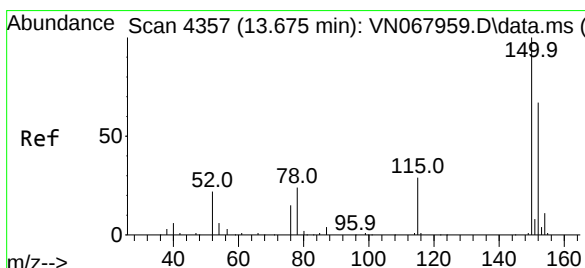
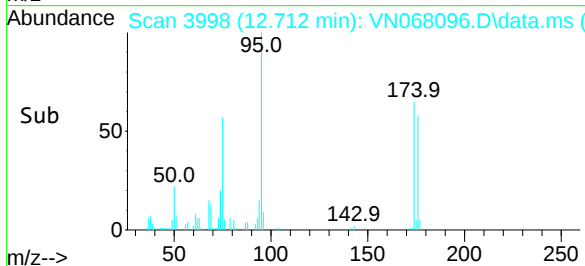
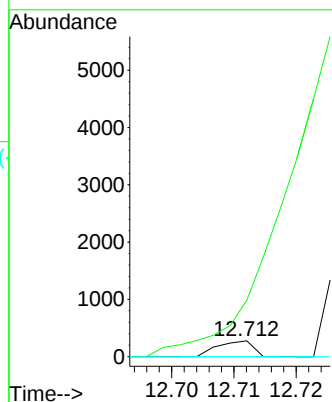
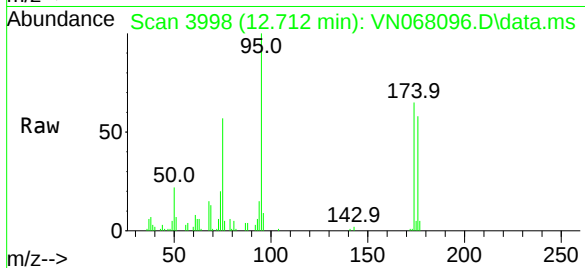
Tgt Ion:173 Resp: 110

Ion Ratio Lower Upper

173 100

175 0.0 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: VN068096.D

Acq: 12 Aug 2021 17:54

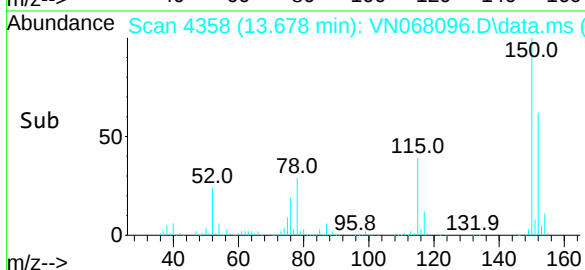
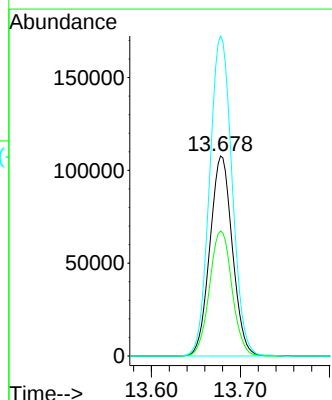
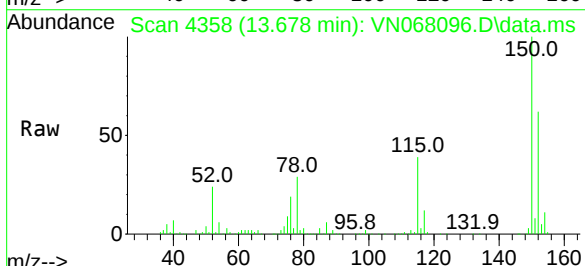
Tgt Ion:152 Resp: 188874

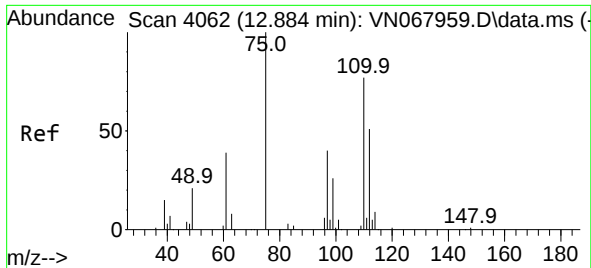
Ion Ratio Lower Upper

152 100

115 62.6 36.1 108.5

150 160.3 0.0 351.8

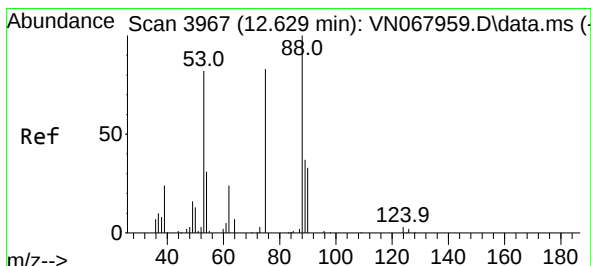
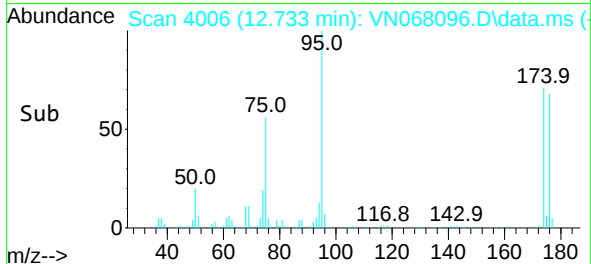
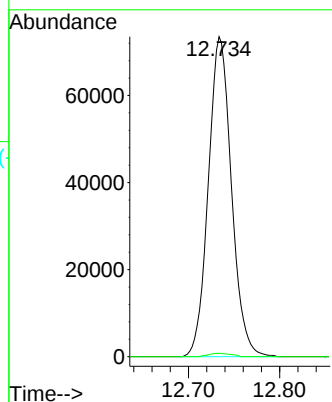
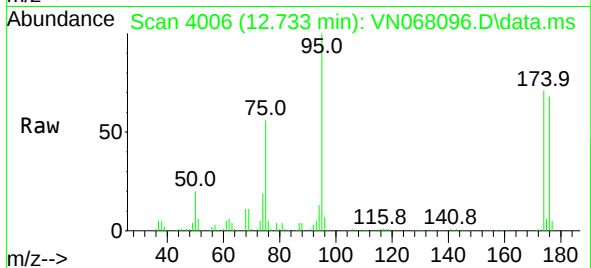




#76
1,2,3-Trichloropropane
Concen: 34.126 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

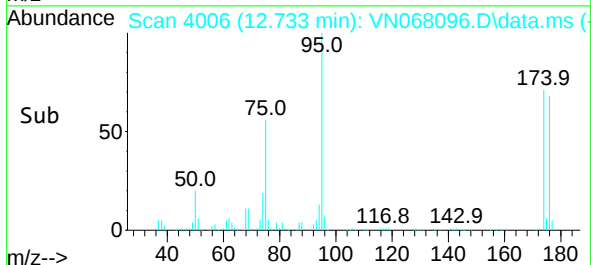
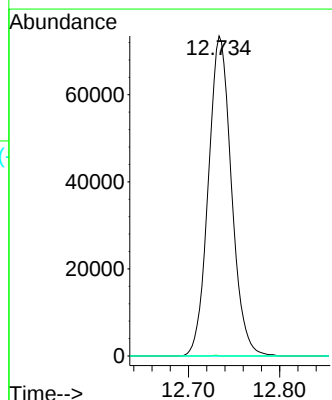
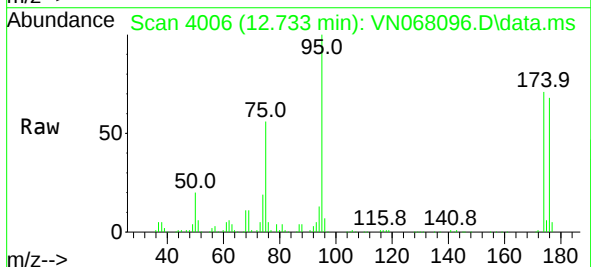
Instrument :
MSVOA_N
ClientSampled :

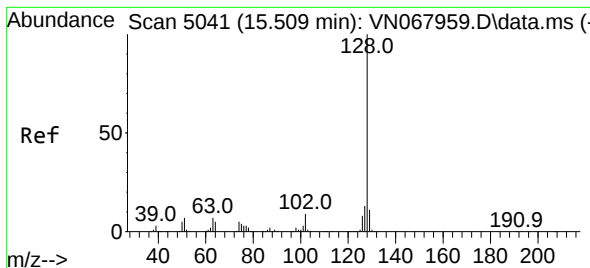
Tgt Ion: 75 Resp: 129445
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.465 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

Tgt Ion: 75 Resp: 129445
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

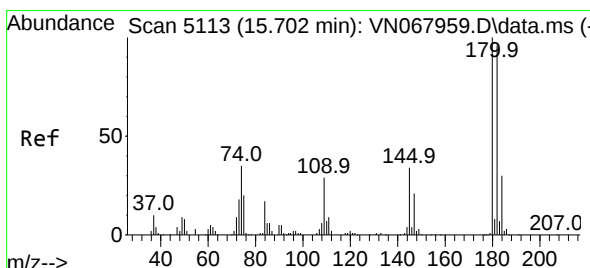
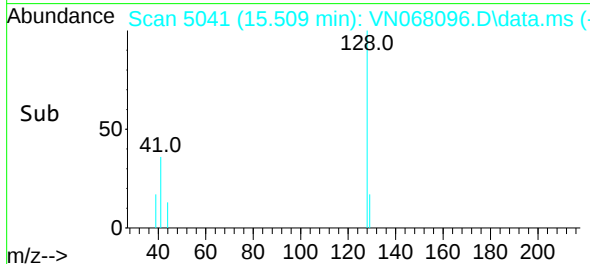
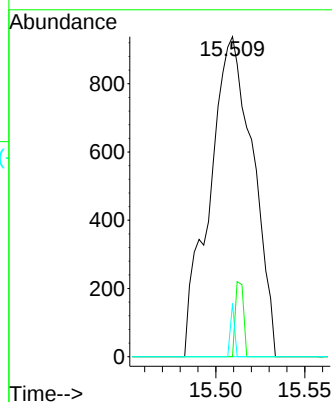
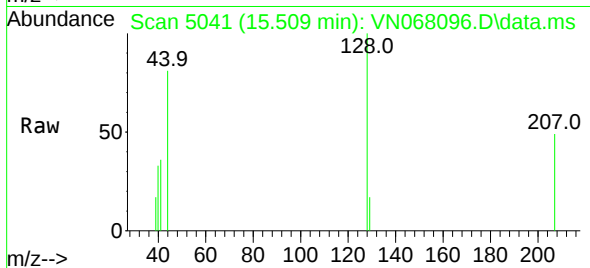




#95
Naphthalene
Concen: 3.308 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 1583
Ion Ratio Lower Upper
128 100
127 4.4 10.6 15.8#
129 1.6 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.386 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN068096.D
Acq: 12 Aug 2021 17:54

Tgt Ion:180 Resp: 53
Ion Ratio Lower Upper
180 100
182 149.1 47.8 143.3#
145 0.0 18.2 54.6#

