

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
 Data File : VN068094.D
 Acq On : 12 Aug 2021 17:04
 Operator : JC/MD
 Sample : M3361-08 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

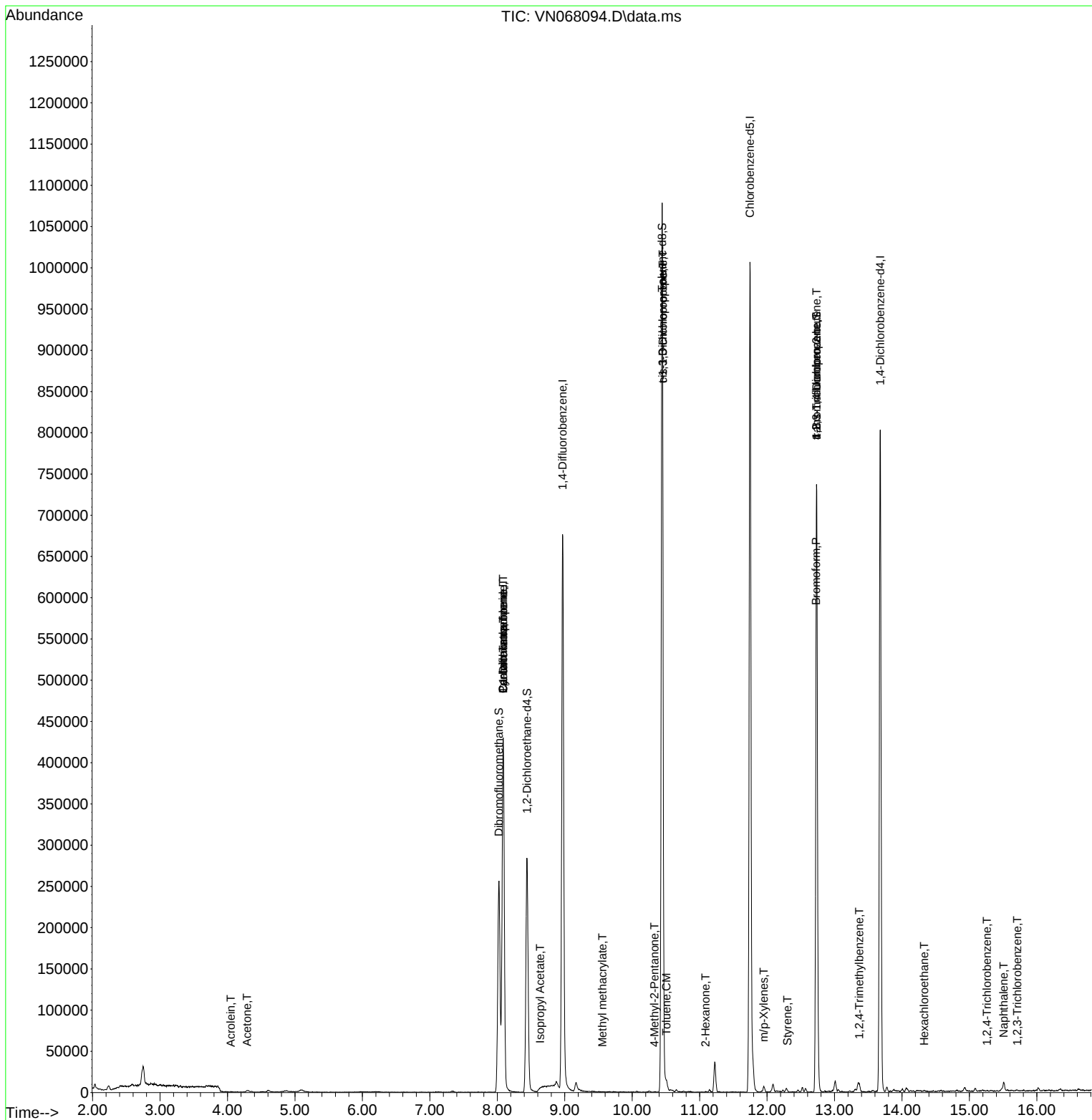
Instrument :
 MSVOA_N
 ClientSampleId :

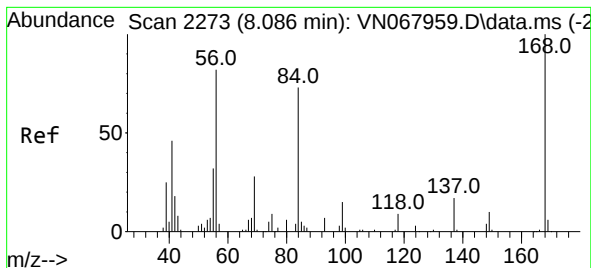
Quant Time: Aug 13 05:44:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	317499	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	609363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	594183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	211801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	238448	53.050	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 106.100%		
35) Dibromofluoromethane	8.024	113	187858	52.899	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 105.800%		
50) Toluene-d8	10.443	98	768260	47.117	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 94.240%		
62) 4-Bromofluorobenzene	12.733	95	256363	43.458	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 86.920%		
Target Compounds						Qvalue
13) Acrolein	4.049	56	190	0.465	ug/l	# 47
16) Acetone	4.288	43	2017	1.230	ug/l	90
20) Methylene Chloride	5.092	84	975	Below Cal	#	39
31) Cyclohexane	8.088	56	7915	1.194	ug/l	# 12
36) 1,1-Dichloropropene	8.088	75	27755	4.924	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	35752	6.450	ug/l	# 16
43) Isopropyl Acetate	8.635	43	3088	0.349	ug/l	# 58
48) Methyl methacrylate	9.558	41	58	2.317	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.328	43	261	12.605	ug/l	# 39
52) Toluene	10.507	92	3227	0.298	ug/l	86
53) t-1,3-Dichloropropene	10.454	75	53	2.840	ug/l	90
54) cis-1,3-Dichloropropene	10.454	75	53	2.362	ug/l	# 23
59) 2-Hexanone	11.087	43	698	13.432	ug/l	# 57
68) m/p-Xylenes	11.953	106	2235	4.290	ug/l	91
70) Styrene	12.302	104	1200	2.704	ug/l	# 60
71) Bromoform	12.725	173	605	4.177	ug/l	# 1
76) 1,2,3-Trichloropropane	12.733	75	142676	33.542	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	142676	89.963	ug/l	# 6
84) 1,2,4-Trimethylbenzene	13.366	105	3255	0.240	ug/l	93
90) Hexachloroethane	14.329	117	556	0.251	ug/l	# 16
93) 1,2,4-Trichlorobenzene	15.262	180	192	2.526	ug/l	# 46
95) Naphthalene	15.507	128	9756	4.156	ug/l	96
96) 1,2,3-Trichlorobenzene	15.708	180	241	2.445	ug/l	# 12

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

Quant Time: Aug 13 05:44:44 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: VN068094.D

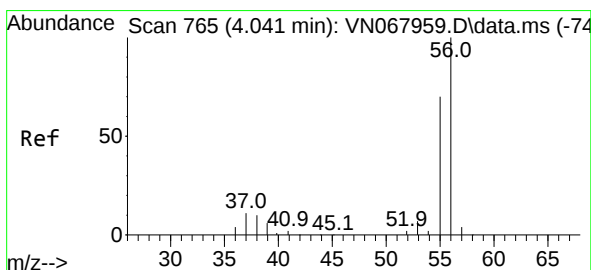
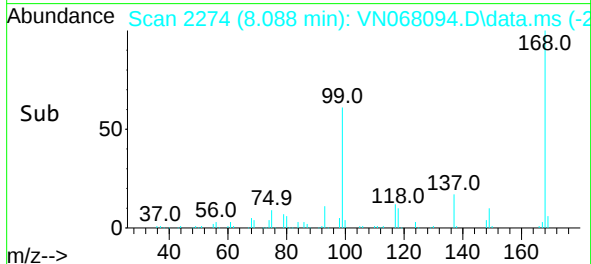
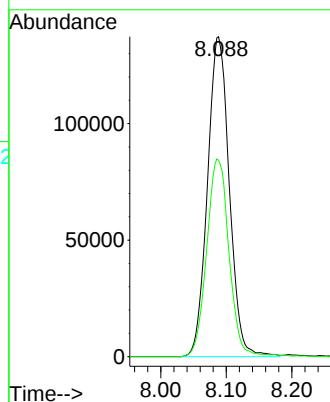
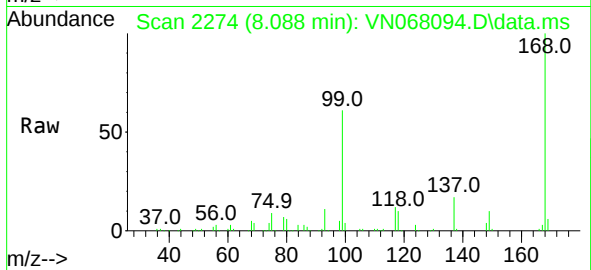
Acq: 12 Aug 2021 17:04

Tgt Ion:168 Resp: 317499

Ion Ratio Lower Upper

168 100

99 61.4 62.9 94.3#



#13

Acrolein

Concen: 0.465 ug/l

RT: 4.049 min Scan# 768

Delta R.T. 0.008 min

Lab File: VN068094.D

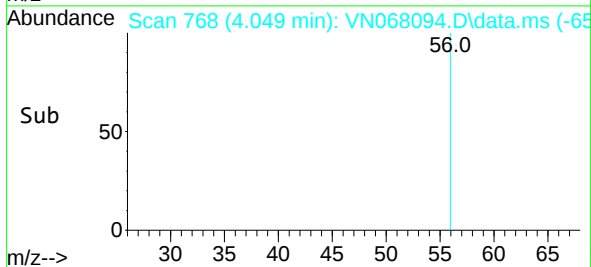
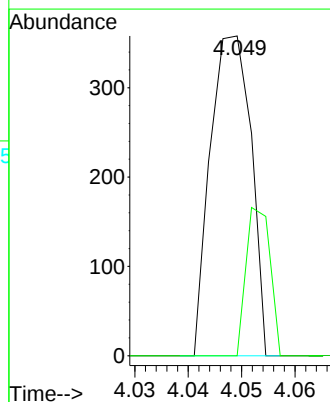
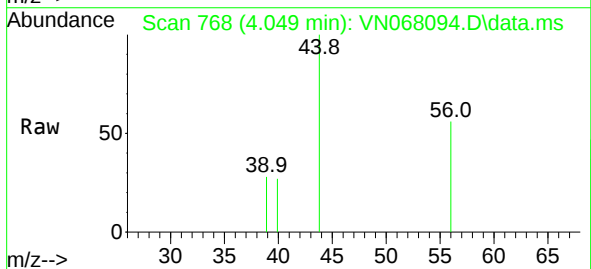
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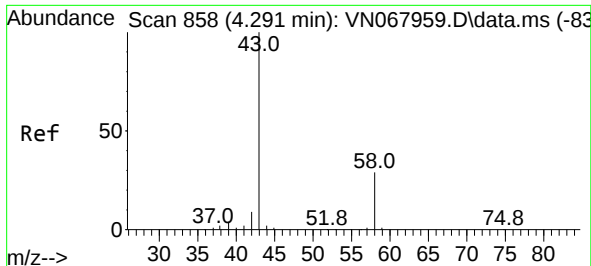
Tgt Ion: 56 Resp: 190

Ion Ratio Lower Upper

56 100

55 27.4 57.4 86.0#

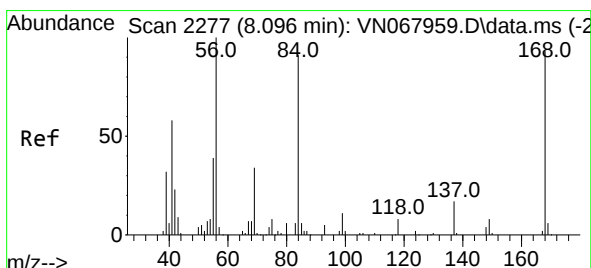
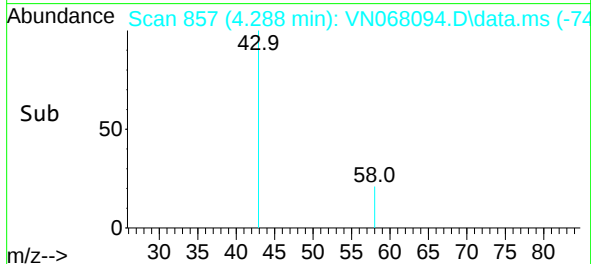
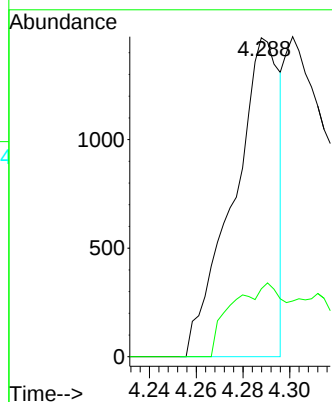
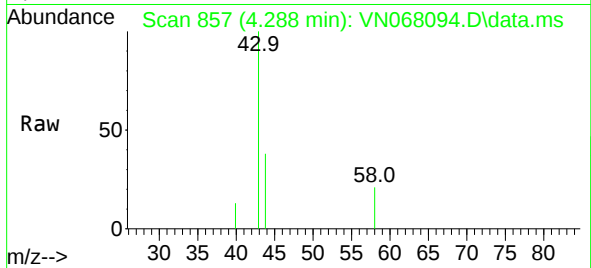




#16
Acetone
Concen: 1.230 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

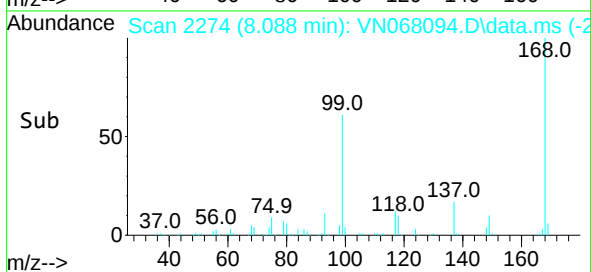
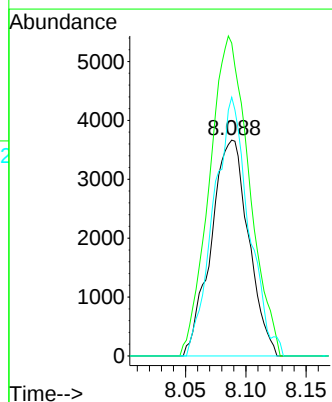
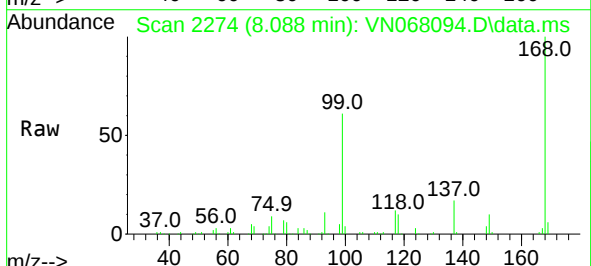
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MSVOA_N
ClientSampled :

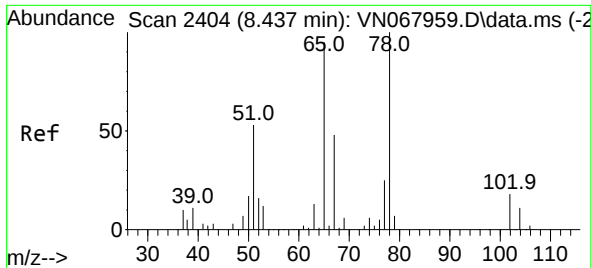
Tgt Ion: 43 Resp: 2017
Ion Ratio Lower Upper
43 100
58 21.3 21.2 31.8



#31
Cyclohexane
Concen: 1.194 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

Tgt Ion: 56 Resp: 7915
Ion Ratio Lower Upper
56 100
69 144.9 27.3 40.9#
84 119.9 64.9 97.3#

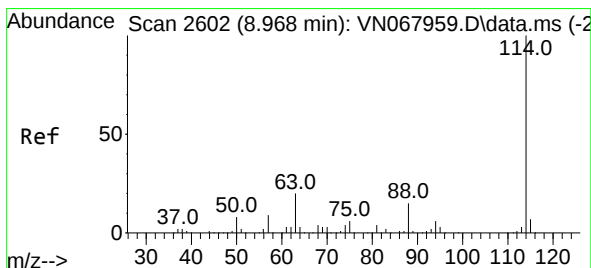
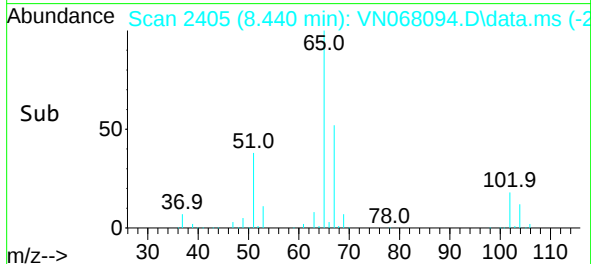
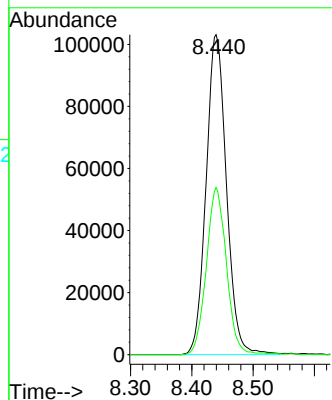
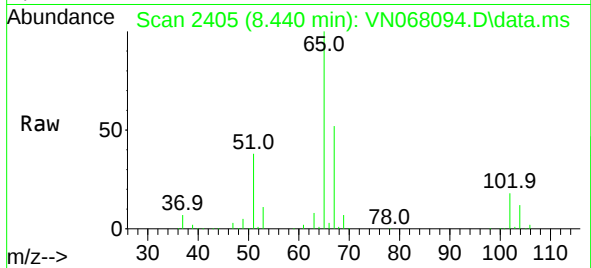




#33
 1,2-Dichloroethane-d4
 Concen: 53.050 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.003 min
 Lab File: VN068094.D
 Acq: 12 Aug 2021 17:04

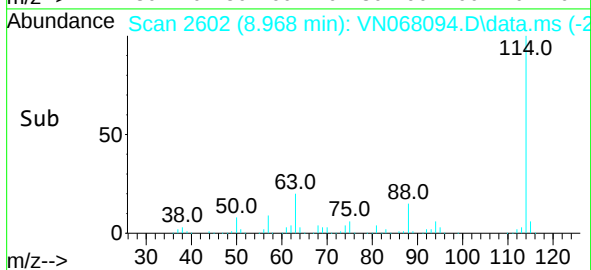
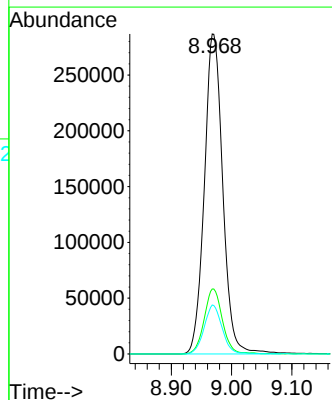
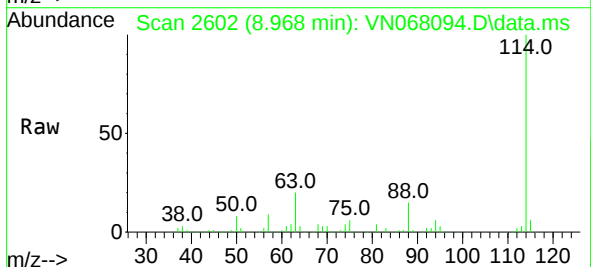
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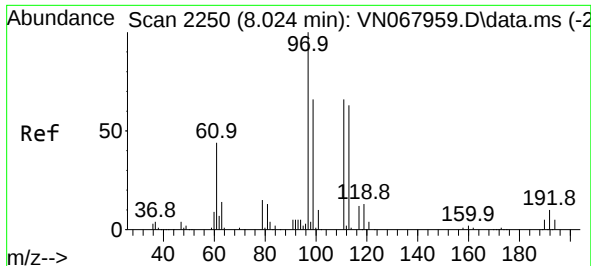
Tgt Ion: 65 Resp: 238448
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN068094.D
 Acq: 12 Aug 2021 17:04

Tgt Ion: 114 Resp: 609363
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 49.0
 88 15.3 0.0 36.6

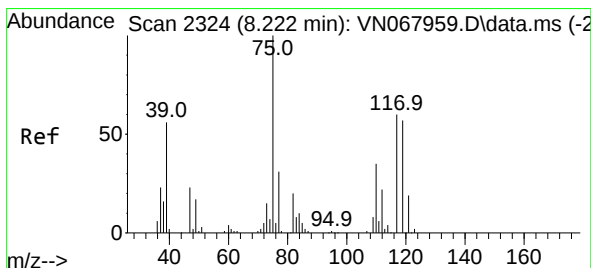
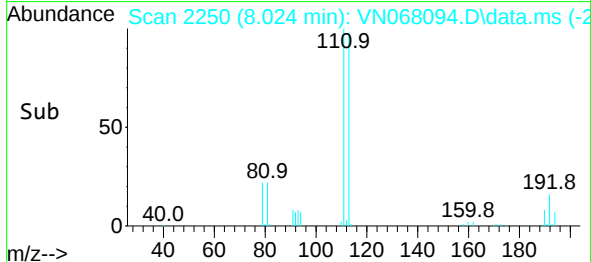
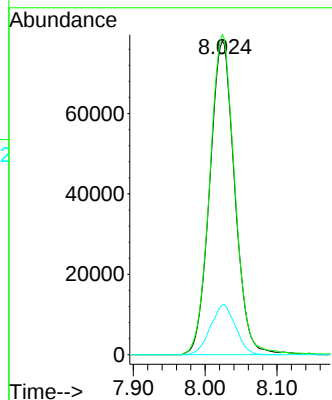
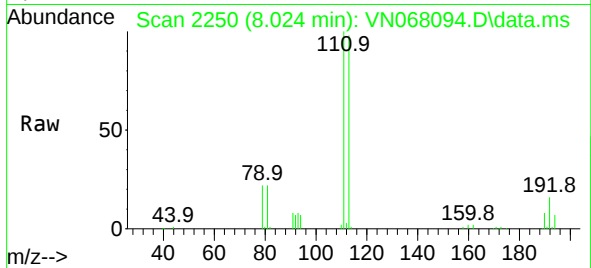




#35
Dibromofluoromethane
Concen: 52.899 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

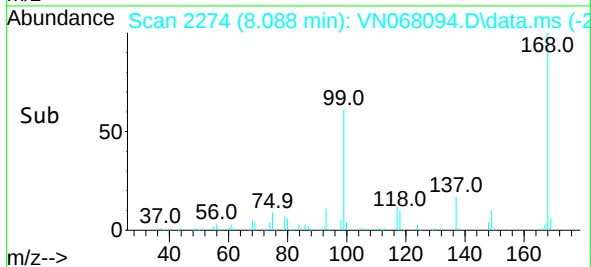
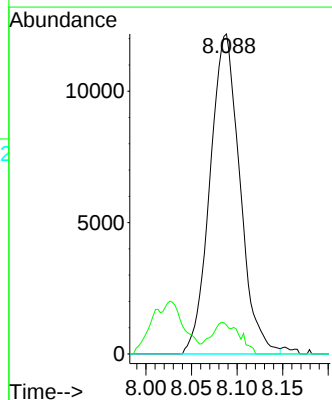
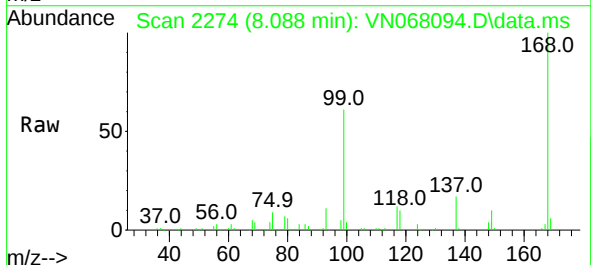
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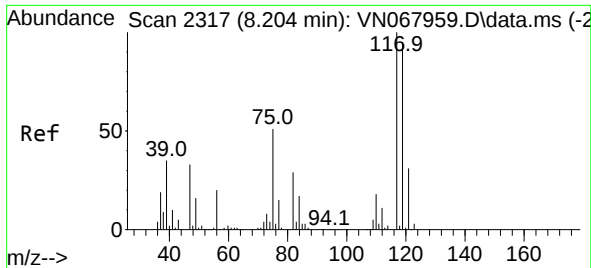
Tgt Ion:113 Resp: 187858
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.8
192 16.0 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.924 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

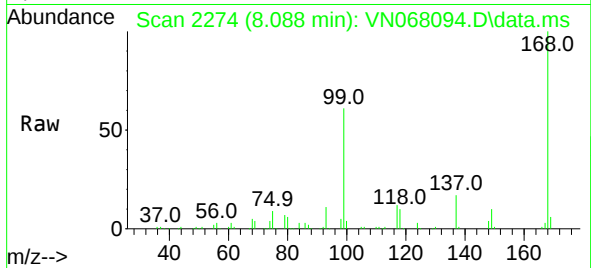
Tgt Ion: 75 Resp: 27755
Ion Ratio Lower Upper
75 100
110 9.3 15.7 47.0#
77 0.0 24.6 37.0#



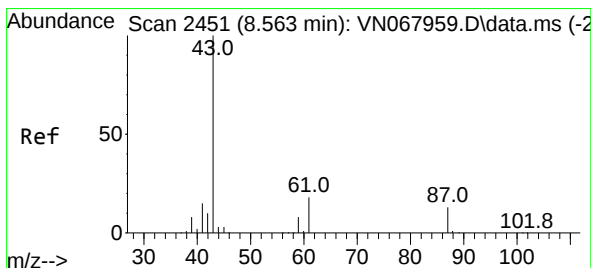
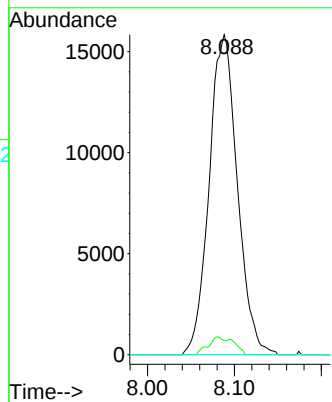
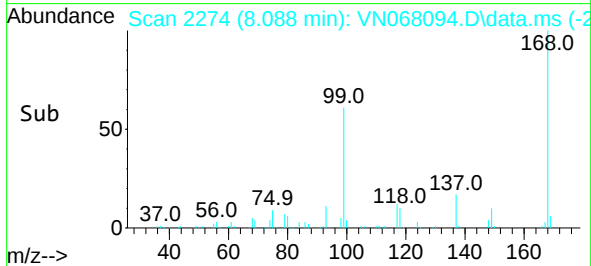


#38
Carbon Tetrachloride
Concen: 6.450 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

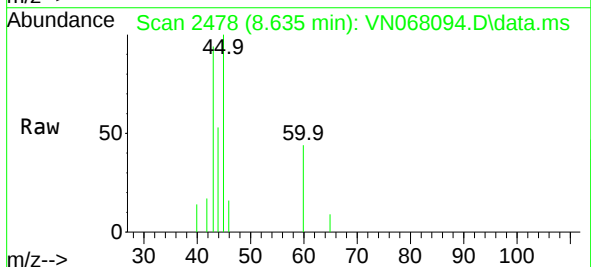
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ClientSampled :



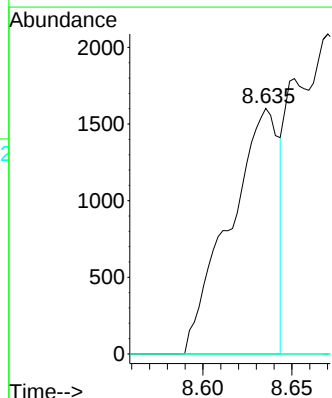
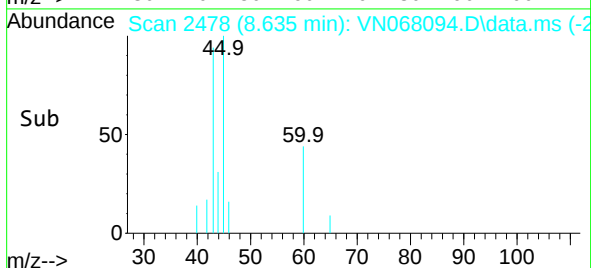
Tgt Ion:117 Resp: 35752
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.2#
121 0.0 23.5 35.3#

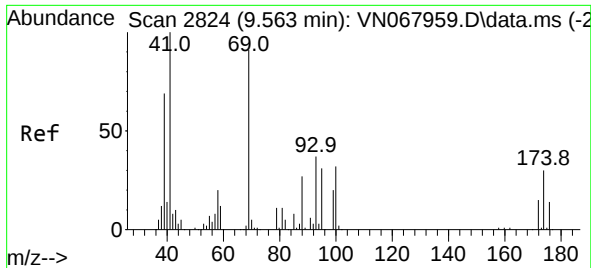


#43
Isopropyl Acetate
Concen: 0.349 ug/l
RT: 8.635 min Scan# 2478
Delta R.T. 0.072 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04



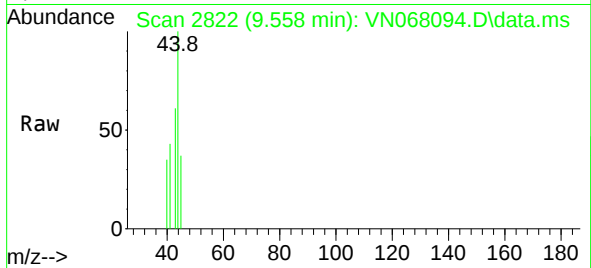
Tgt Ion: 43 Resp: 3088
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



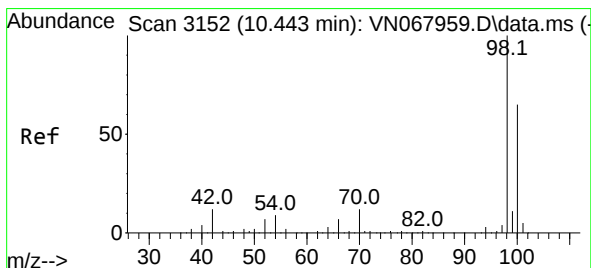
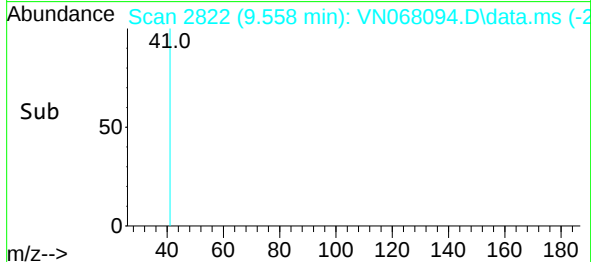
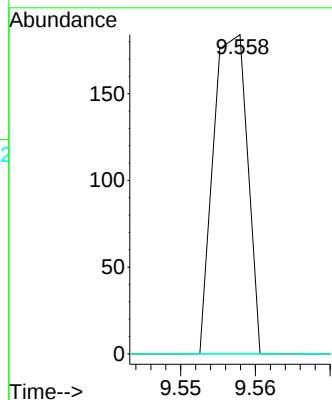


#48
Methyl methacrylate
Concen: 2.317 ug/l
RT: 9.558 min Scan# 2822
Delta R.T. -0.005 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

Instrument :
MSVOA_N
ClientSampled :

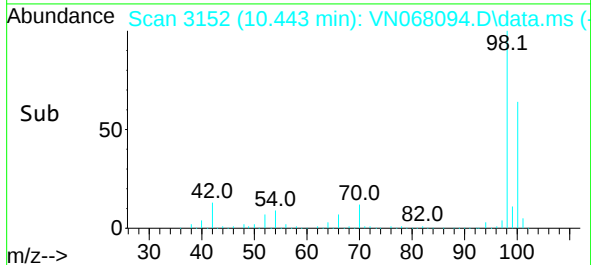
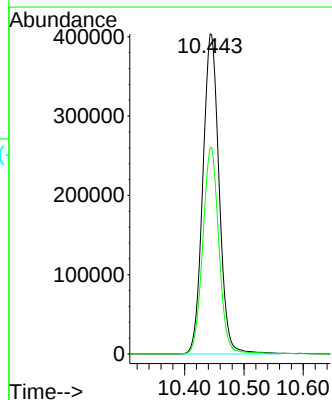
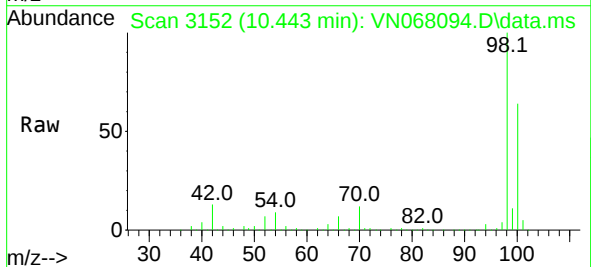


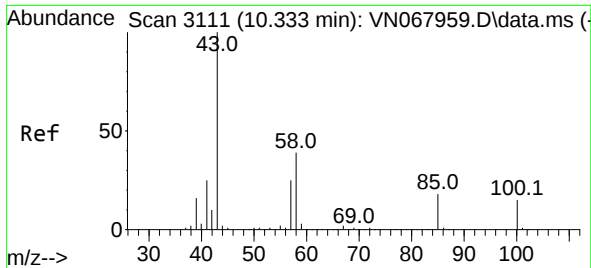
Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#50
Toluene-d8
Concen: 47.117 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

Tgt Ion: 98 Resp: 768260
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5

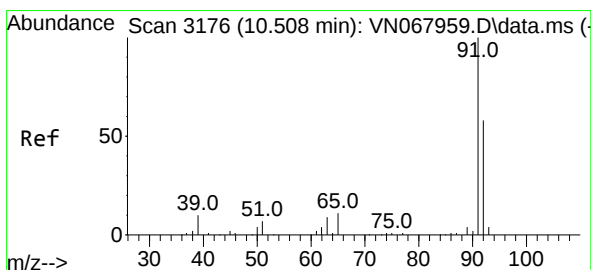
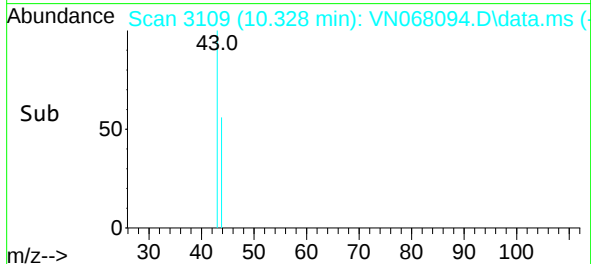
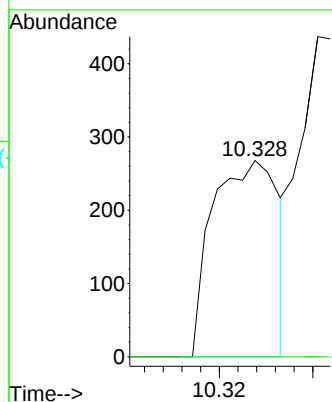
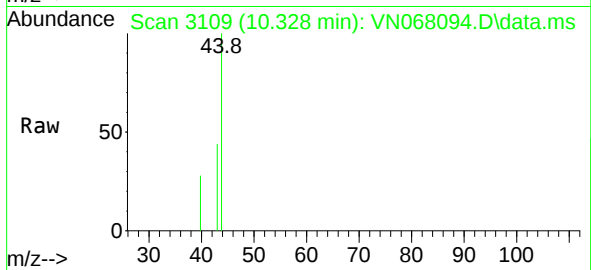




#51
4-Methyl-2-Pentanone
Concen: 12.605 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.005 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

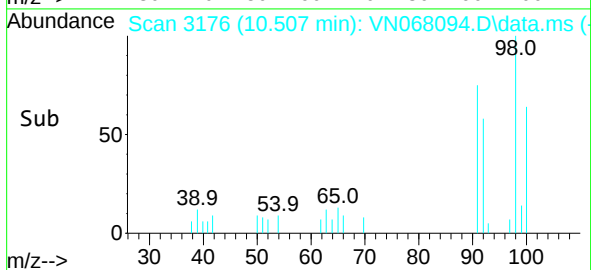
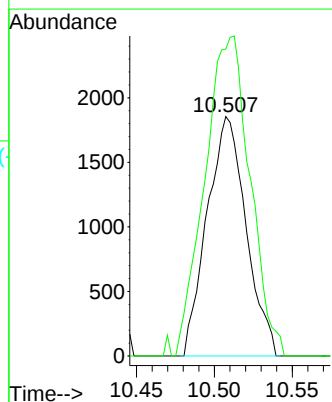
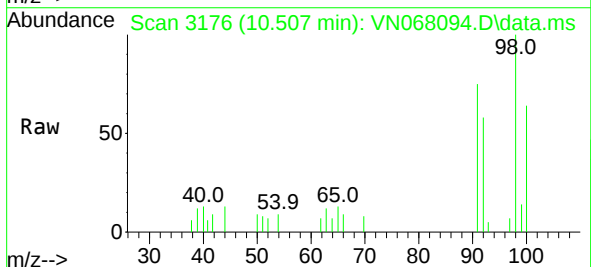
Instrument :
MSVOA_N
ClientSampled :

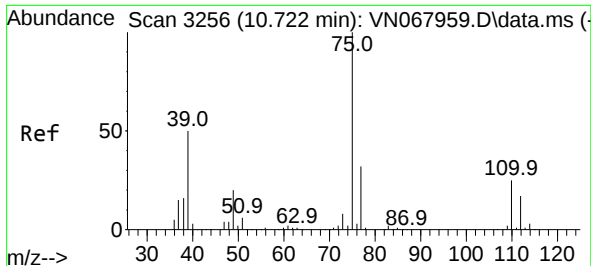
Tgt Ion: 43 Resp: 261
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#52
Toluene
Concen: 0.298 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.001 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

Tgt Ion: 92 Resp: 3227
Ion Ratio Lower Upper
92 100
91 155.3 139.6 209.4

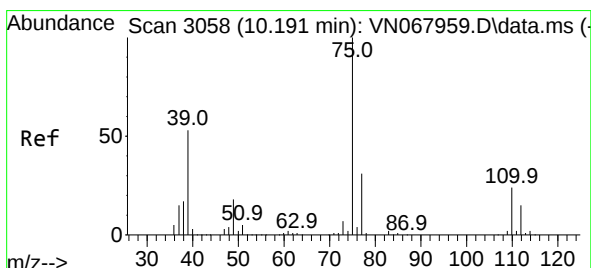
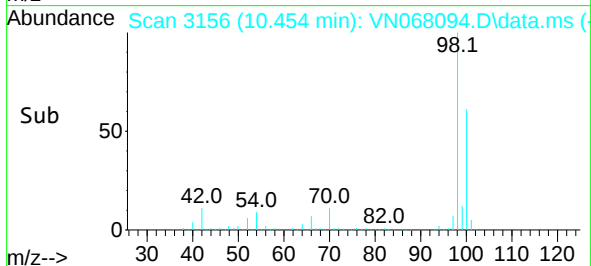
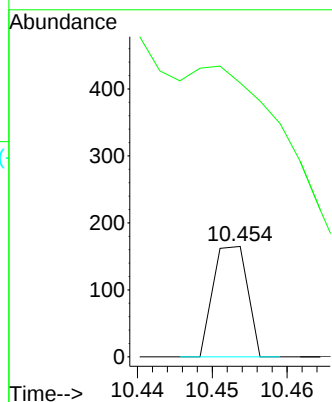
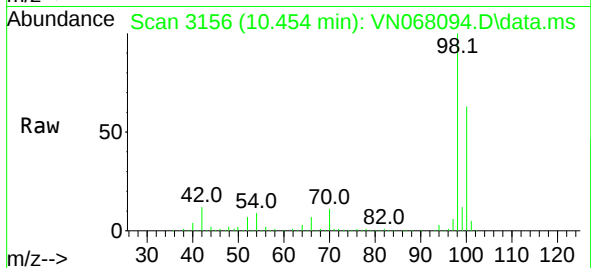




#53
t-1,3-Dichloropropene
Concen: 2.840 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. -0.268 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

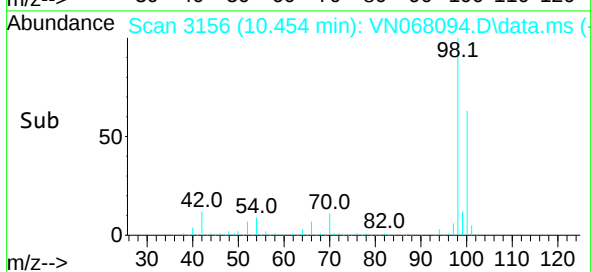
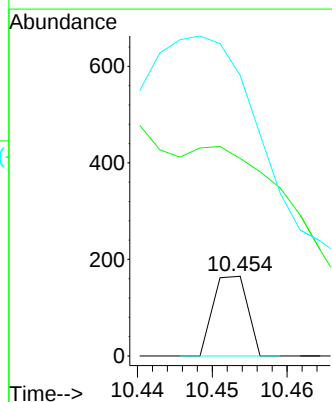
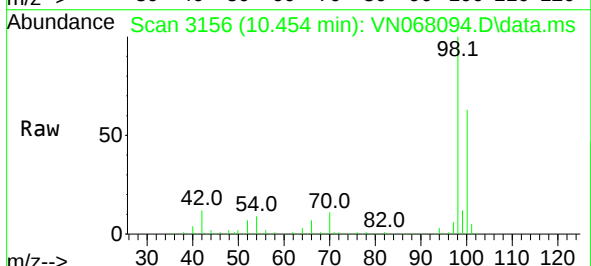
Instrument :
MSVOA_N
ClientSampled :

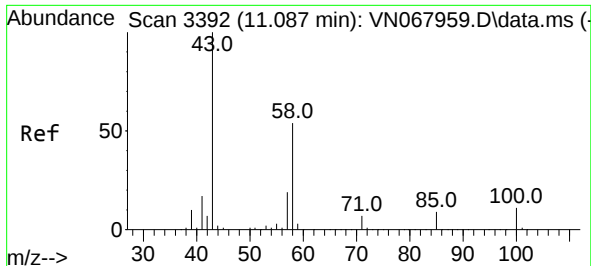
Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
77 37.0 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 2.362 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. 0.263 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
77 37.0 24.6 37.0#
39 147.9 50.7 76.1#

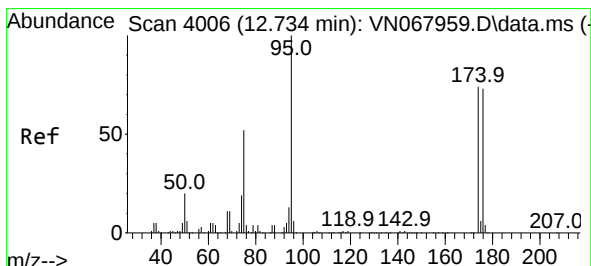
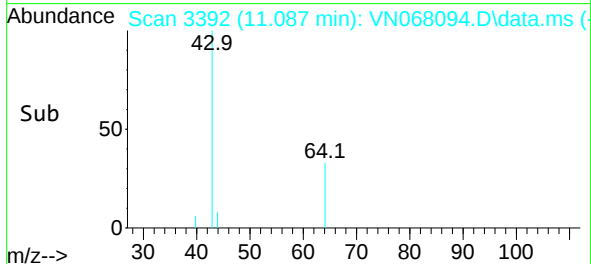
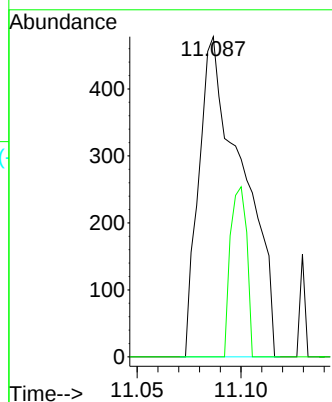
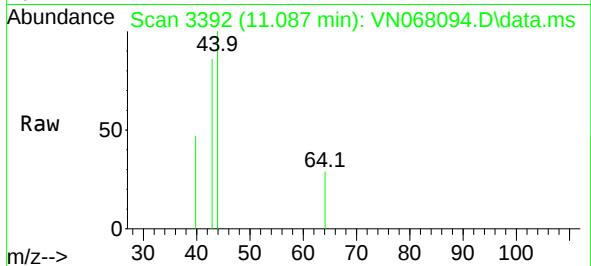




#59
2-Hexanone
Concen: 13.432 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

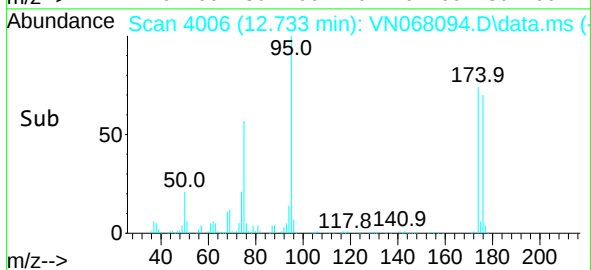
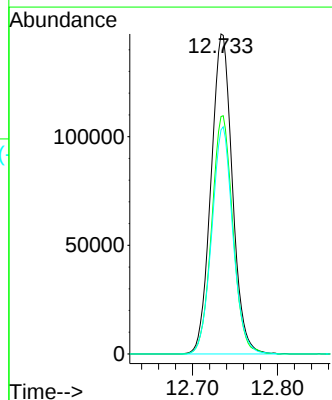
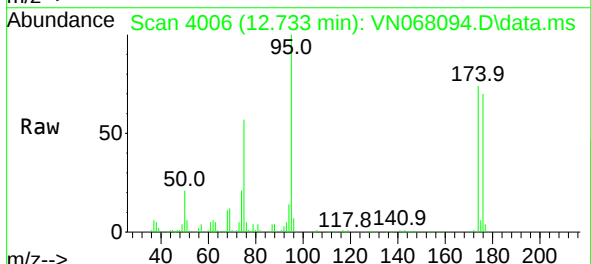
Instrument :
MSVOA_N
ClientSampled :

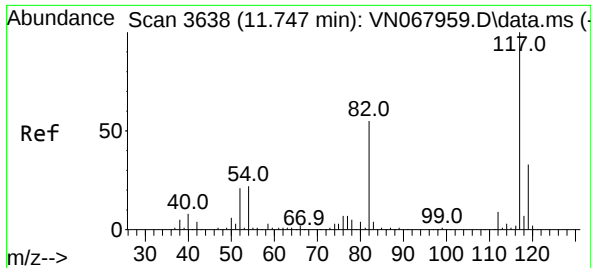
Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
58 19.9 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 43.458 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

Tgt Ion: 95 Resp: 256363
Ion Ratio Lower Upper
95 100
174 74.0 0.0 122.0
176 70.5 0.0 117.6

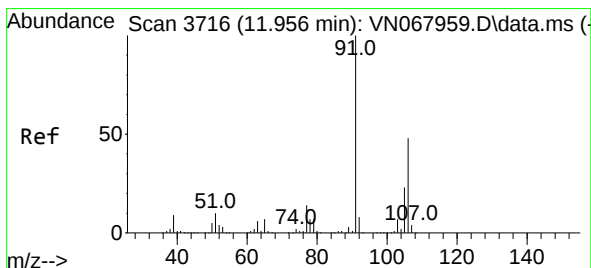
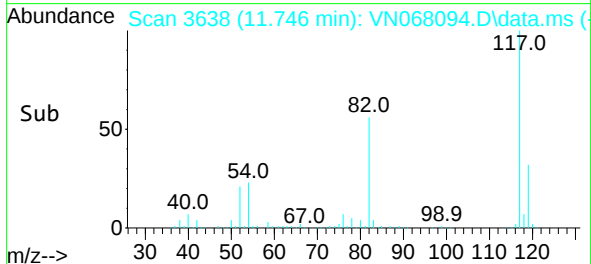
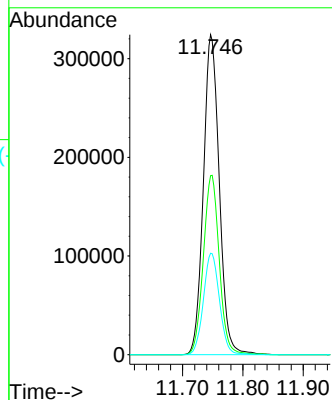
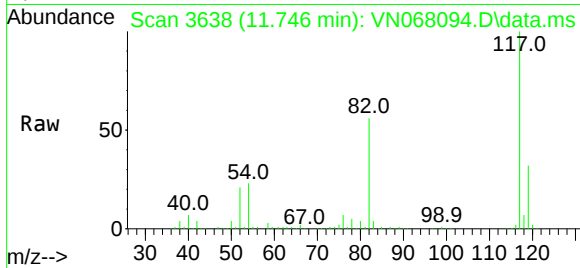




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

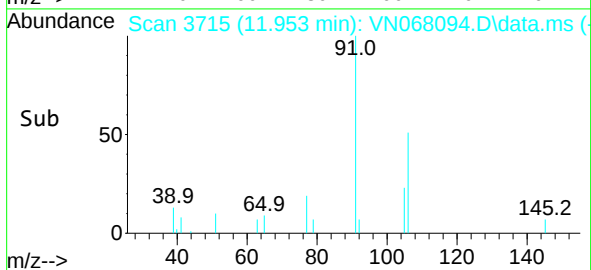
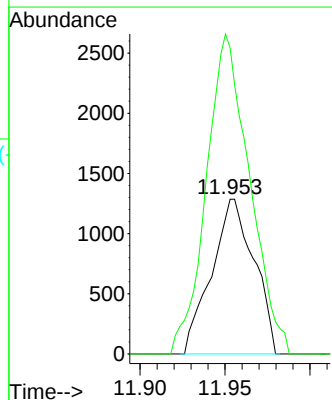
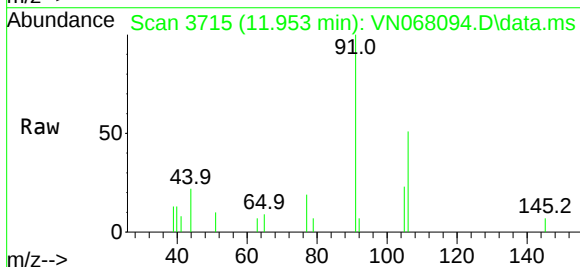
Instrument :
MSVOA_N
ClientSampled :

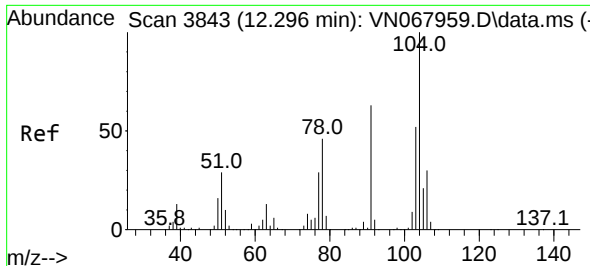
Tgt Ion:117 Resp: 594183
Ion Ratio Lower Upper
117 100
82 56.0 53.1 79.7
119 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 4.290 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

Tgt Ion:106 Resp: 2235
Ion Ratio Lower Upper
106 100
91 210.2 180.6 270.8

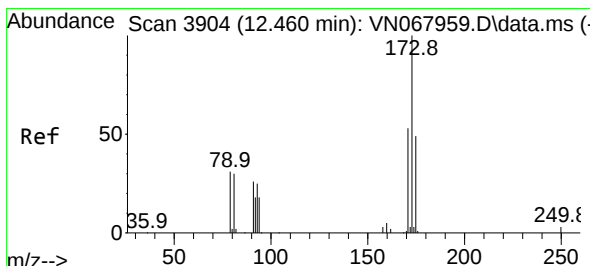
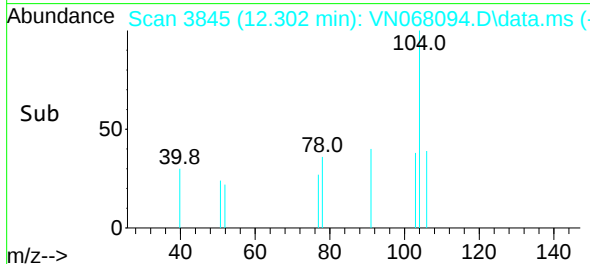
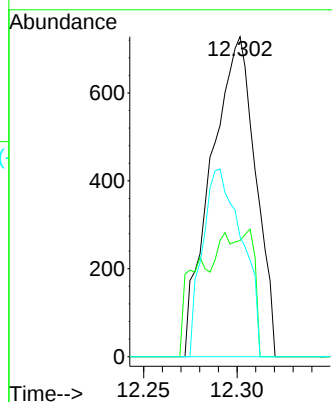
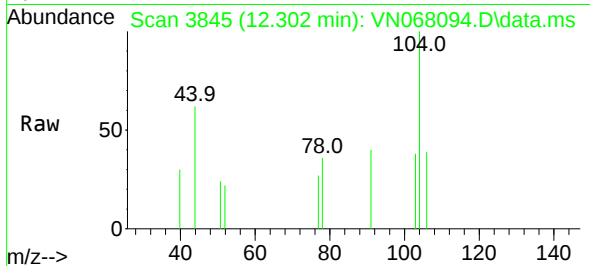




#70
Styrene
Concen: 2.704 ug/l
RT: 12.302 min Scan# 3845
Delta R.T. 0.006 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

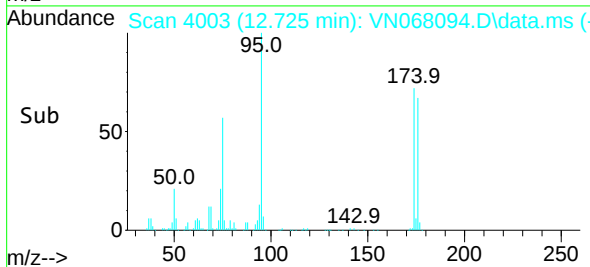
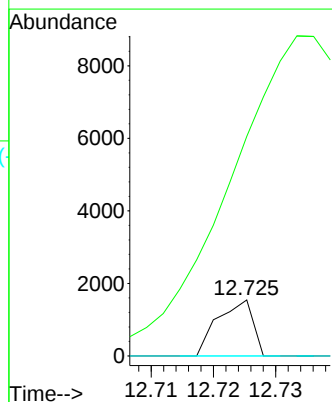
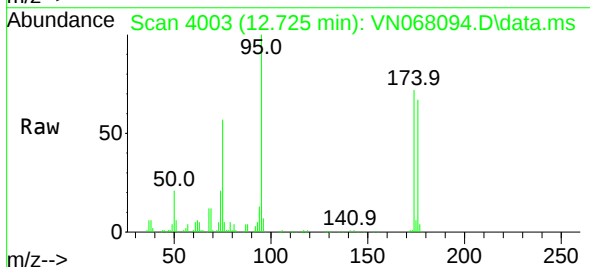
Instrument :
MSVOA_N
ClientSampled :

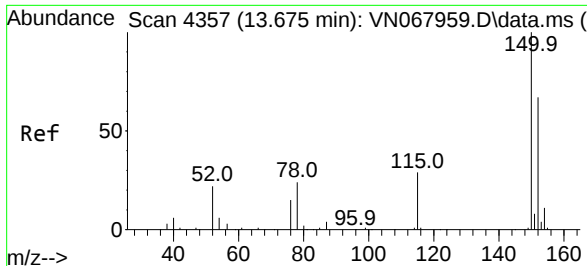
Tgt Ion:104 Resp: 1200
Ion Ratio Lower Upper
104 100
78 5.7 48.2 72.2#
103 52.2 44.5 66.7



#71
Bromoform
Concen: 4.177 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

Tgt Ion:173 Resp: 605
Ion Ratio Lower Upper
173 100
175 2244.3 23.9 71.8#
254 0.0 0.0 0.0

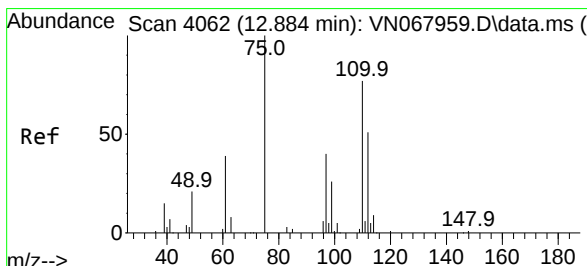
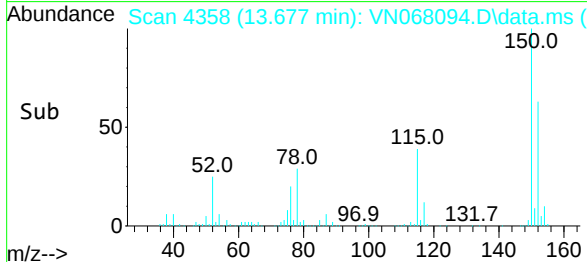
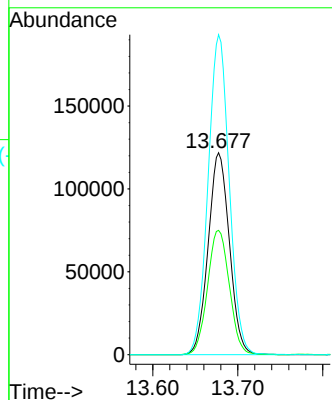
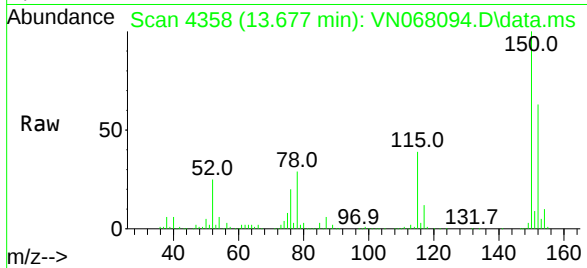




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.002 min
 Lab File: VN068094.D
 Acq: 12 Aug 2021 17:04

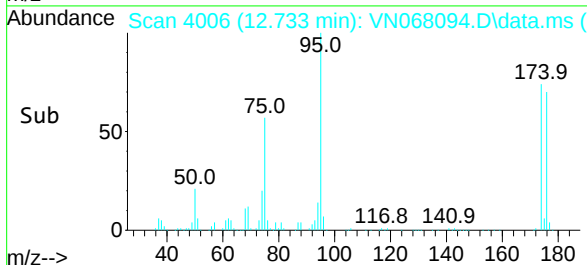
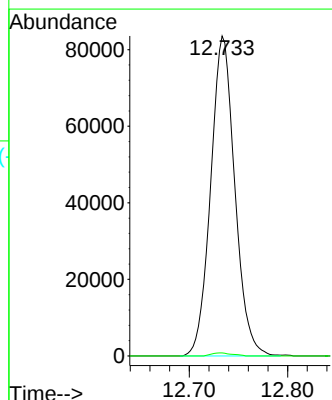
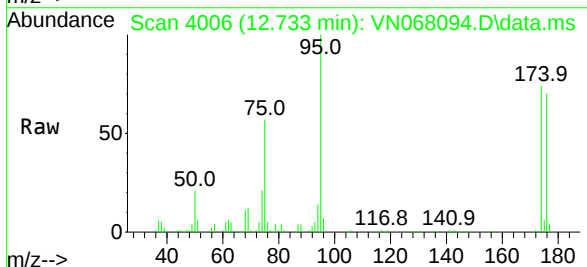
Instrument :
 MSVOA_N
 ClientSampled :

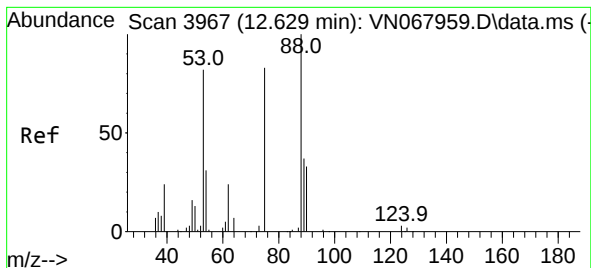
Tgt Ion:152 Resp: 211801
 Ion Ratio Lower Upper
 152 100
 115 63.3 36.1 108.5
 150 157.3 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 33.542 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN068094.D
 Acq: 12 Aug 2021 17:04

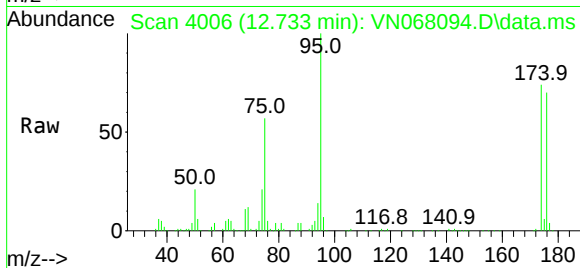
Tgt Ion: 75 Resp: 142676
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



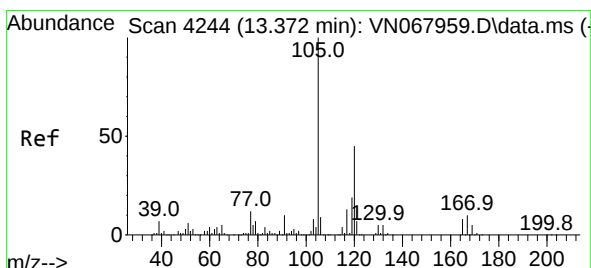
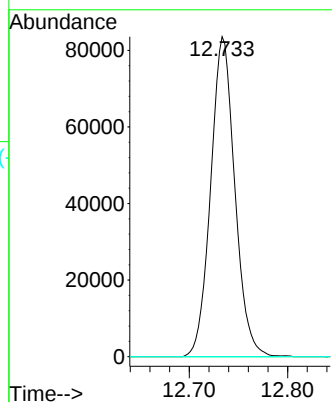
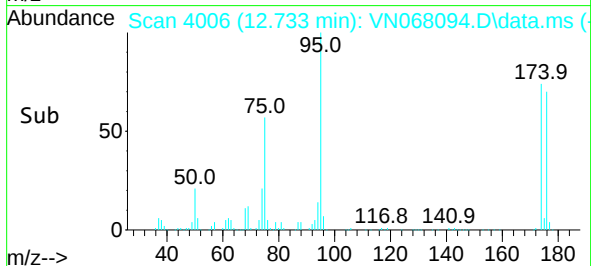


#81
trans-1,4-Dichloro-2-butene
Concen: 89.963 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

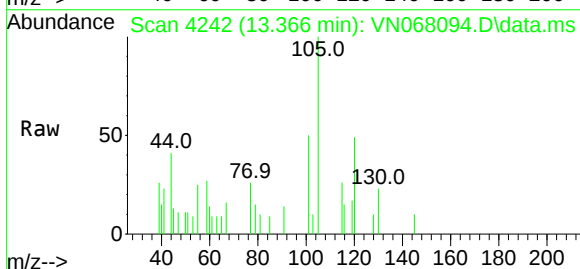
Instrument :
MSVOA_N
ClientSampled :



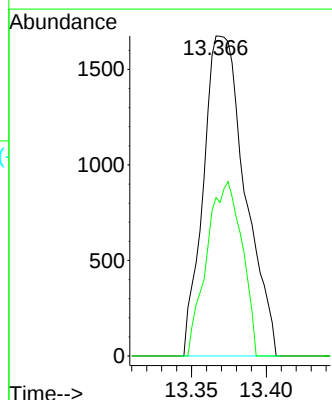
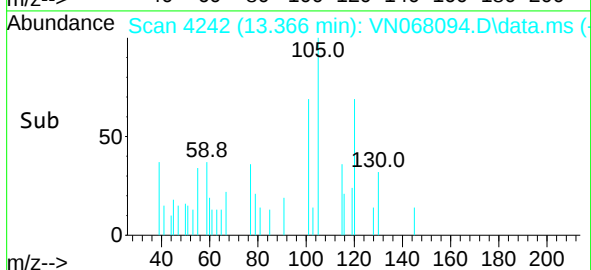
Tgt Ion: 75 Resp: 142676
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

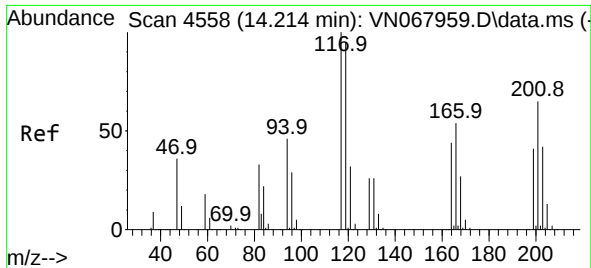


#84
1,2,4-Trimethylbenzene
Concen: 0.240 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.006 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04



Tgt Ion: 105 Resp: 3255
Ion Ratio Lower Upper
105 100
120 45.9 20.6 61.8

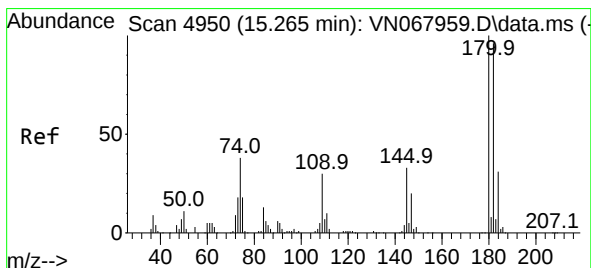
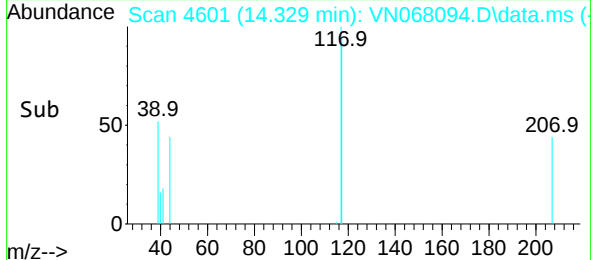
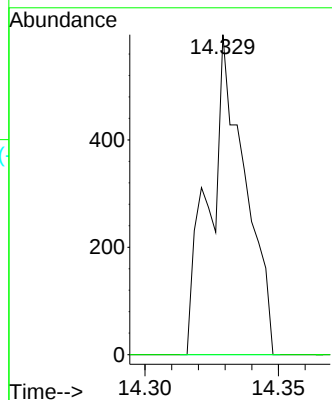
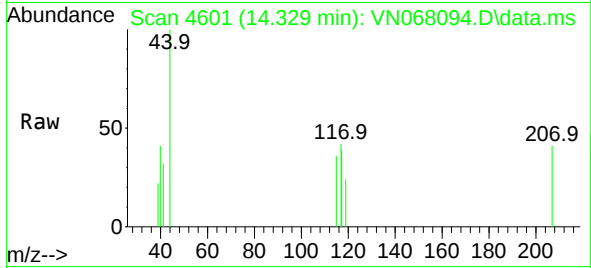




#90
Hexachloroethane
Concen: 0.251 ug/l
RT: 14.329 min Scan# 4601
Delta R.T. 0.115 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

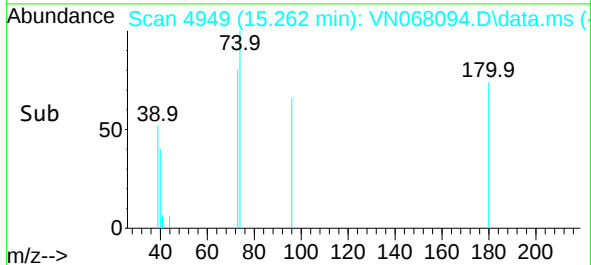
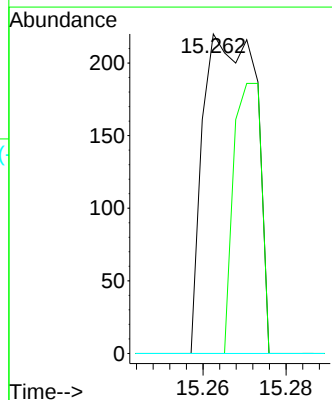
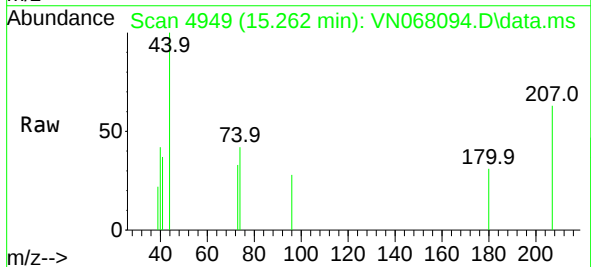
Instrument :
MSVOA_N
ClientSampled :

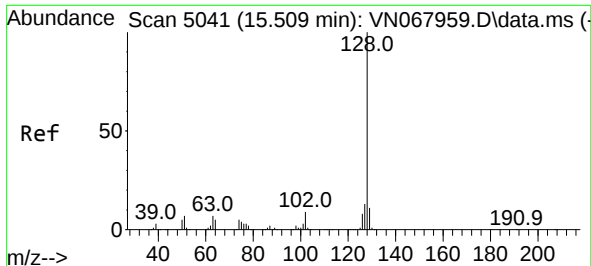
Tgt Ion:117 Resp: 556
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.5#



#93
1,2,4-Trichlorobenzene
Concen: 2.526 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

Tgt Ion:180 Resp: 192
Ion Ratio Lower Upper
180 100
182 44.8 47.5 142.5#
145 0.0 17.2 51.6#

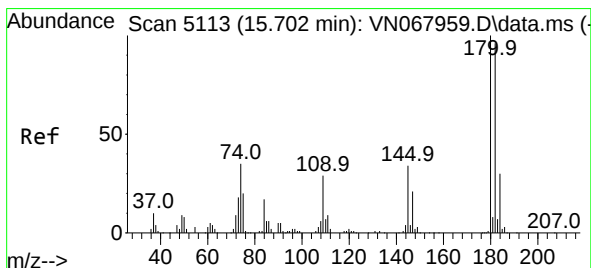
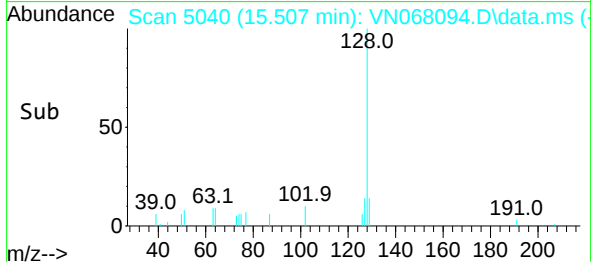
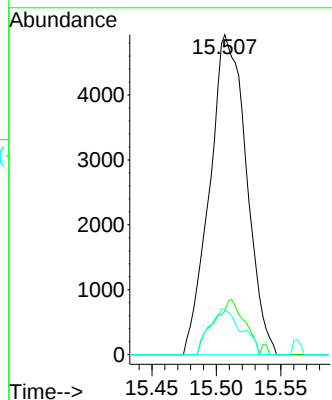
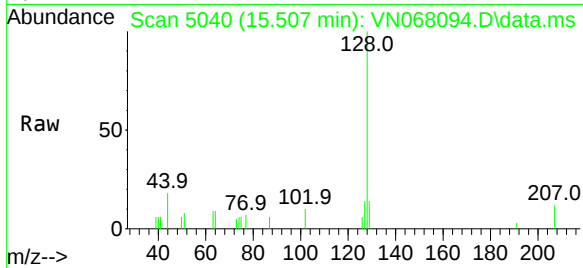




#95
Naphthalene
Concen: 4.156 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	128	Resp:	9756
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.6	15.8
129	12.4	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.445 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN068094.D
Acq: 12 Aug 2021 17:04

Tgt Ion:	180	Resp:	241
Ion Ratio	Lower	Upper	
180	100		
182	0.0	47.8	143.3#
145	0.0	18.2	54.6#

