

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082021\
 Data File : VN068253.D
 Acq On : 20 Aug 2021 18:31
 Operator : JC/MD
 Sample : M3468-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SAMPLE-5-(184.50)

Quant Time: Aug 21 00:00:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

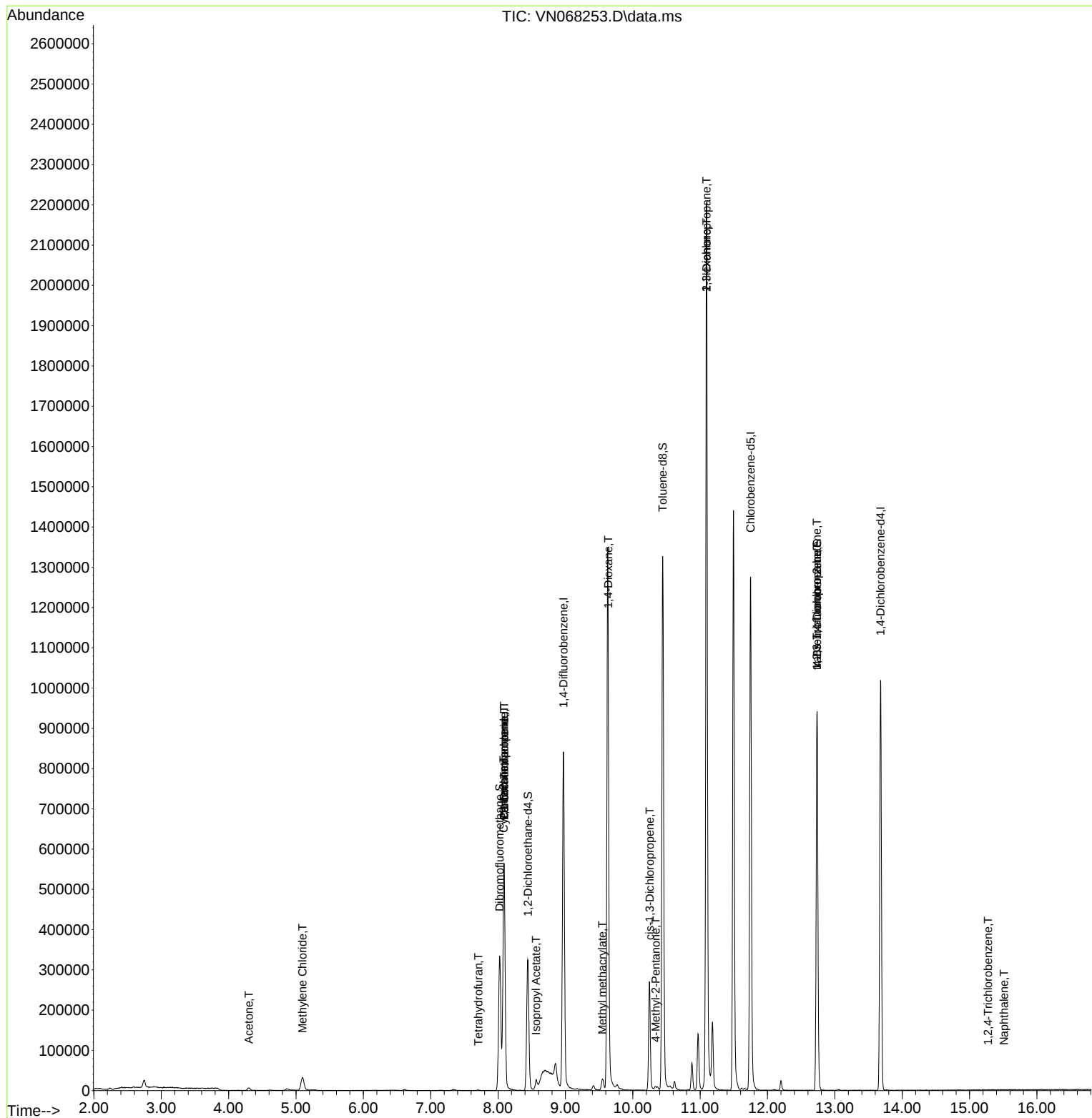
Internal Standards						
1) Pentafluorobenzene	8.091	168	468029	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	804163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	828008	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	311271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	273455	54.721	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.440%			
35) Dibromofluoromethane	8.024	113	247039	48.931	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.860%			
50) Toluene-d8	10.443	98	989225	51.422	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.840%			
62) 4-Bromofluorobenzene	12.736	95	316859	49.478	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.960%			
Target Compounds						
						Qvalue
5) Bromomethane	2.840	94	54	Below Cal	#	4
6) Chloroethane	3.052	64	54	Below Cal	#	44
13) Acrolein	4.041	56	49	Below Cal	#	14
16) Acetone	4.299	43	12839	8.800	ug/l	91
18) Methyl Acetate	4.862	43	3734	Below Cal	#	46
20) Methylene Chloride	5.095	84	27884	4.994	ug/l	# 81
29) Tetrahydrofuran	7.708	42	850	0.585	ug/l	# 53
31) Cyclohexane	8.083	56	4515	0.686	ug/l	# 1
36) 1,1-Dichloropropene	8.091	75	31292	4.760	ug/l	# 53
38) Carbon Tetrachloride	8.091	117	42985	5.669	ug/l	# 17
43) Isopropyl Acetate	8.566	43	29025	3.236	ug/l	# 90
48) Methyl methacrylate	9.550	41	6926	1.853	ug/l	# 12
49) 1,4-Dioxane	9.636	88	86	0.952	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.341	43	5749	1.043	ug/l	100
54) cis-1,3-Dichloropropene	10.250	75	52564	6.904	ug/l	# 58
57) 1,3-Dichloropropane	11.095	76	25546	3.034	ug/l	# 43
59) 2-Hexanone	11.095	43	309606	80.915	ug/l	# 57
76) 1,2,3-Trichloropropane	12.734	75	160547	31.032	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	160547	101.665	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.273	180	111	2.705	ug/l	# 12
95) Naphthalene	15.509	128	483	3.381	ug/l	# 69

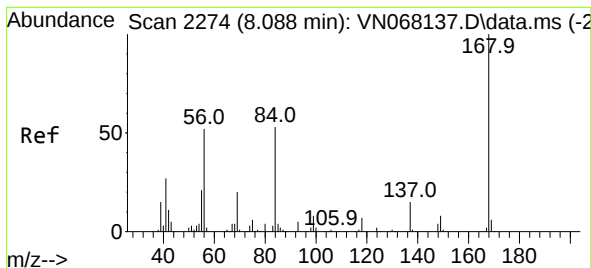
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. 0.003 min

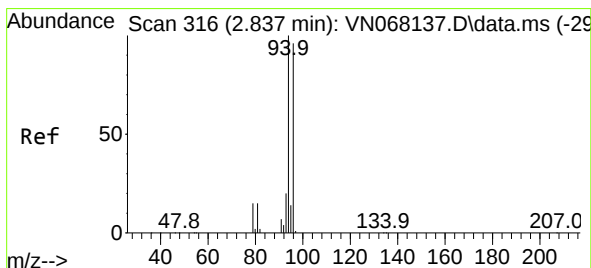
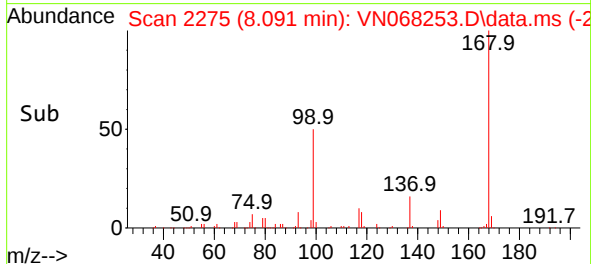
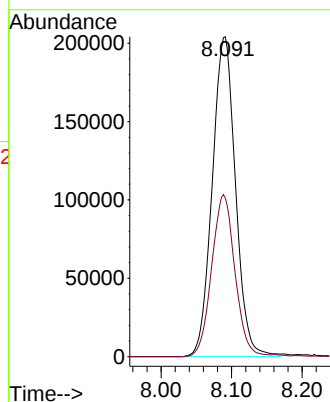
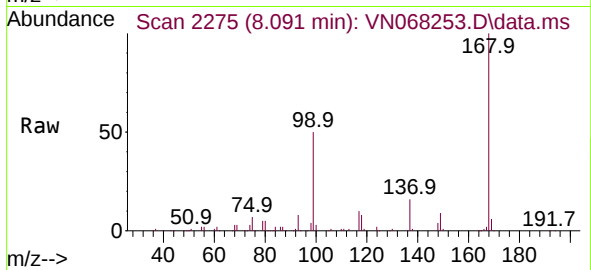
Lab File: VN068253.D

Acq: 20 Aug 2021 18:31

Tgt Ion:168 Resp: 468029

Ion Ratio Lower Upper

168 100
99 49.6 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.840 min Scan# 317

Delta R.T. 0.003 min

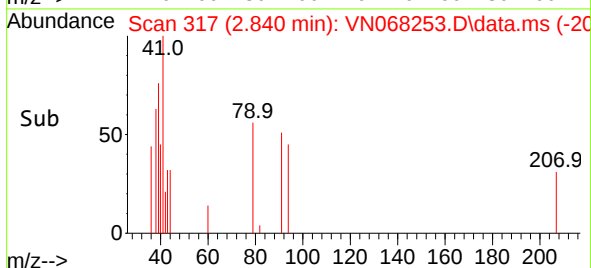
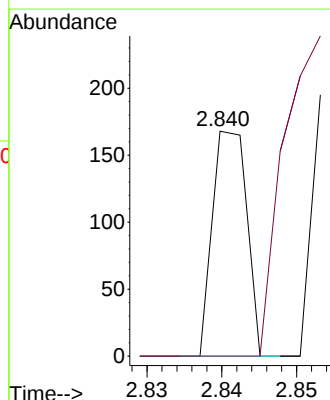
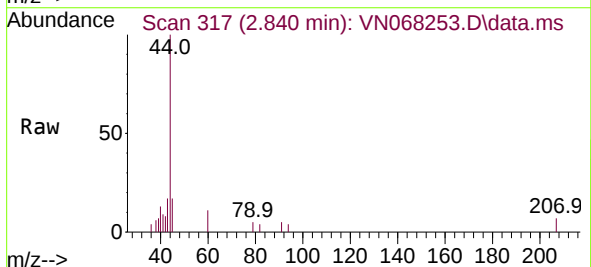
Lab File: VN068253.D

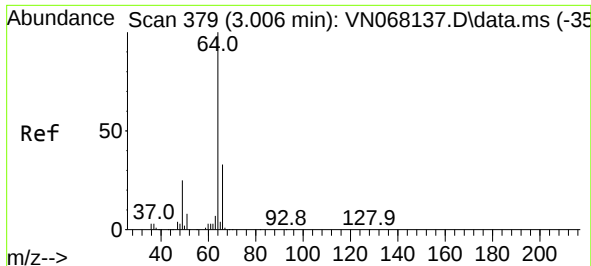
Acq: 20 Aug 2021 18:31

Tgt Ion: 94 Resp: 54

Ion Ratio Lower Upper

94 100
96 0.0 73.7 110.5#

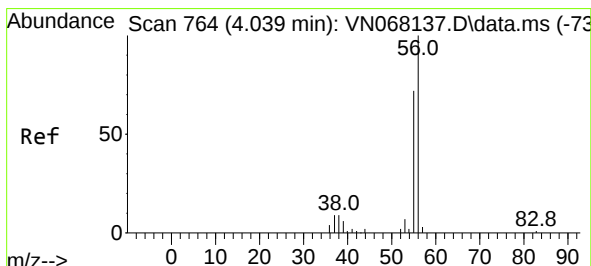
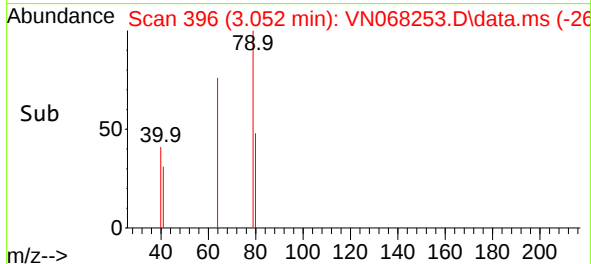
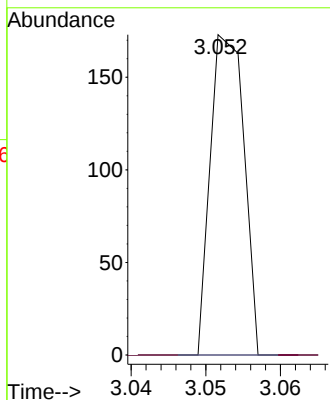
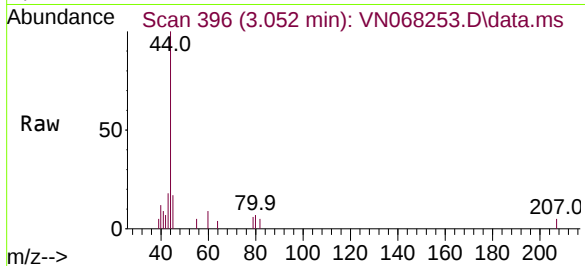




#6
Chloroethane
Concen: Below Cal
RT: 3.052 min Scan# 396
Delta R.T. 0.046 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

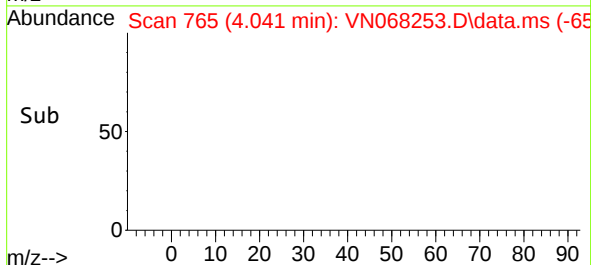
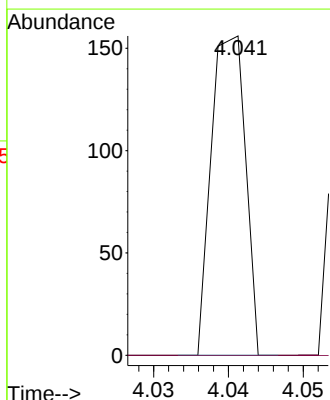
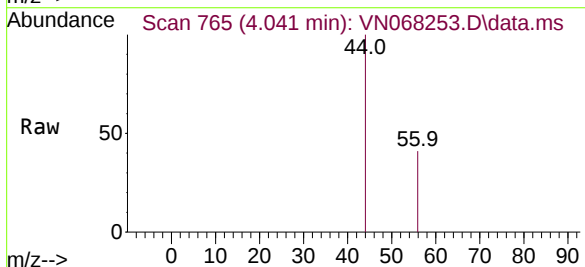
Instrument :
MSVOA_N
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Tgt Ion: 64 Resp: 54
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

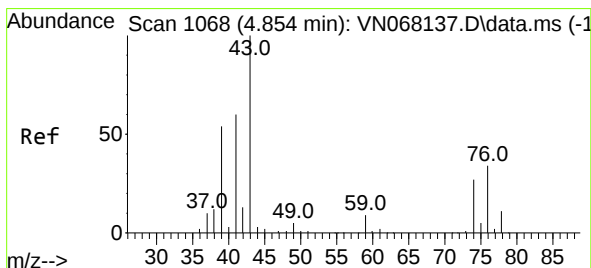
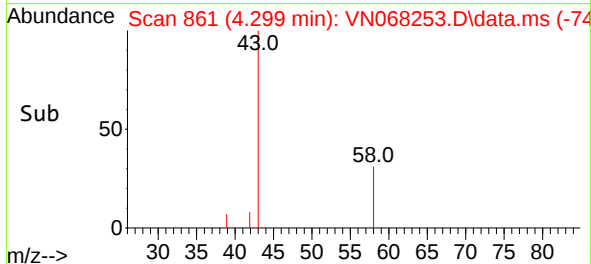
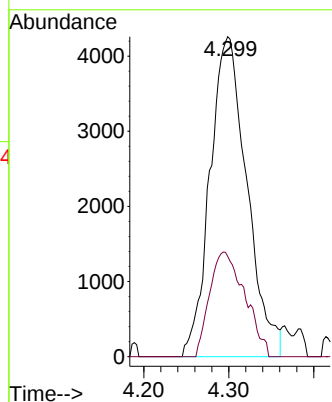
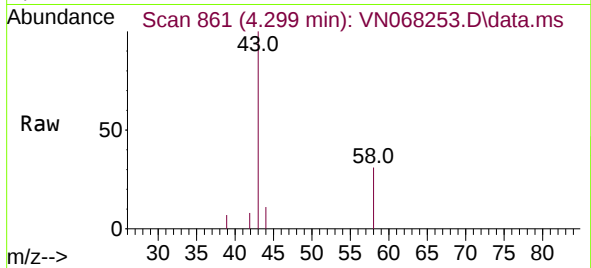




#16
Acetone
Concen: 8.800 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

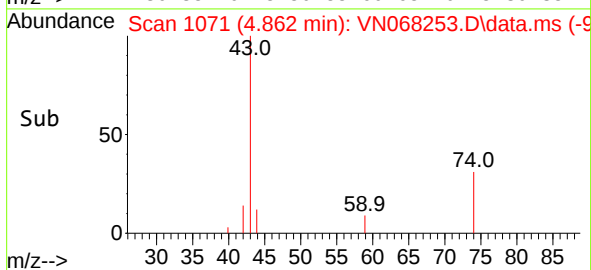
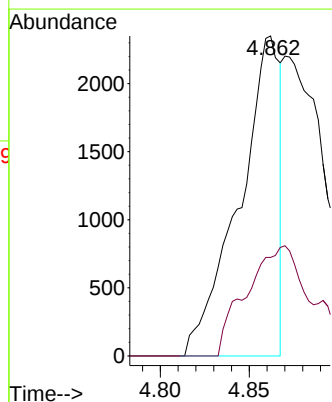
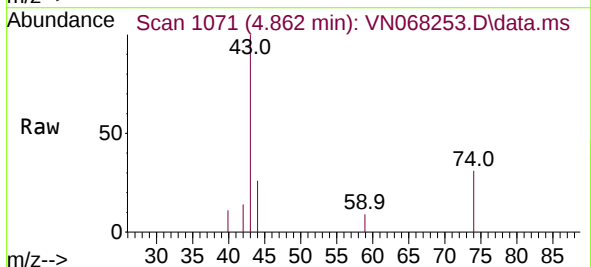
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-5-(184.50)

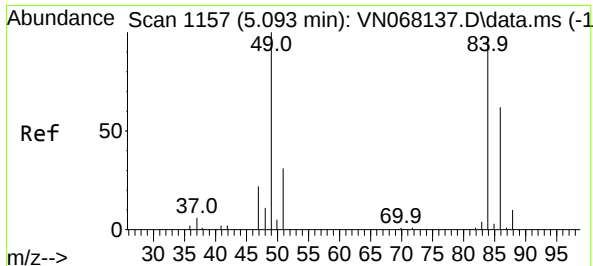
Tgt Ion: 43 Resp: 12839
Ion Ratio Lower Upper
43 100
58 31.3 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

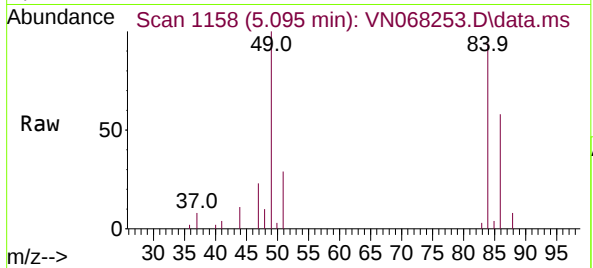
Tgt Ion: 43 Resp: 3734
Ion Ratio Lower Upper
43 100
74 47.2 17.4 26.0#



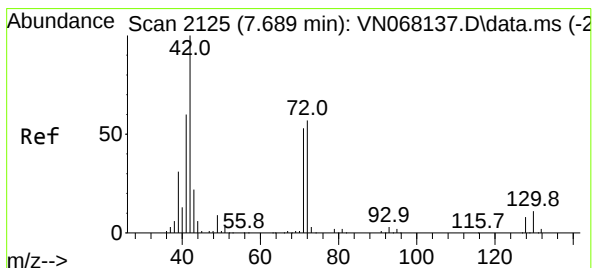
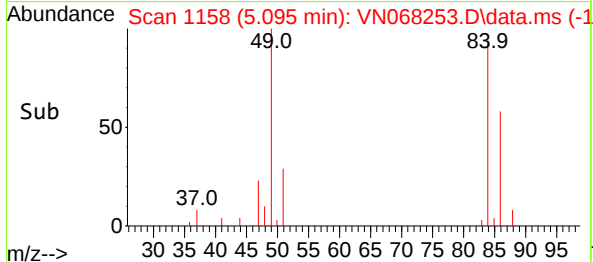
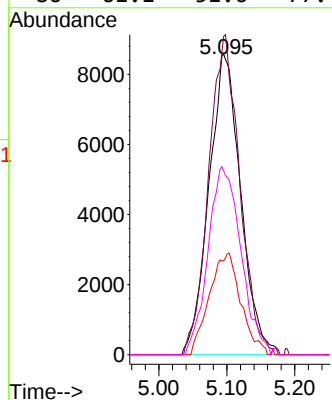


#20
Methylene Chloride
Concen: 4.994 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-5-(184.50)

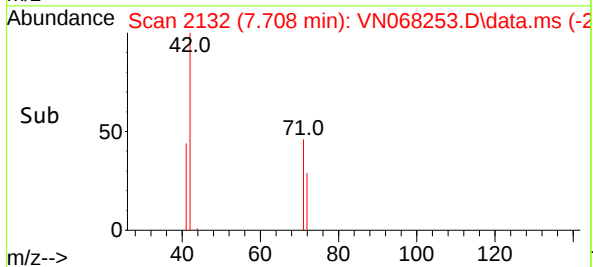
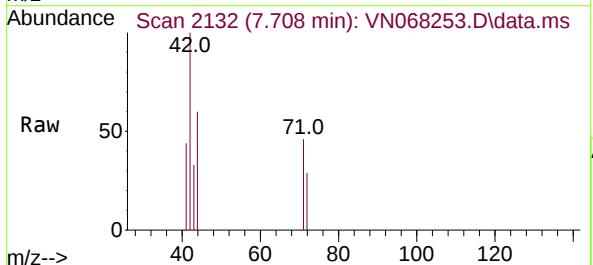
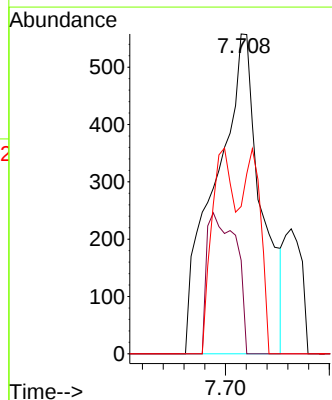


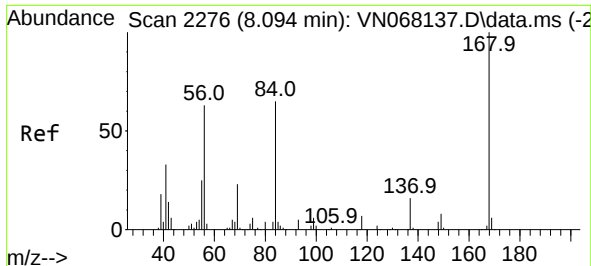
Tgt Ion:	84	Resp:	27884
Ion	Ratio	Lower	Upper
84	100		
49	105.9	110.9	166.3#
51	31.2	32.6	49.0#
86	61.1	51.6	77.4



#29
Tetrahydrofuran
Concen: 0.585 ug/l
RT: 7.708 min Scan# 2132
Delta R.T. 0.019 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

Tgt Ion:	42	Resp:	850
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	21.8	31.2	46.8#

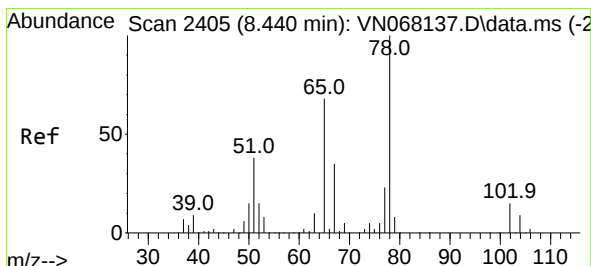
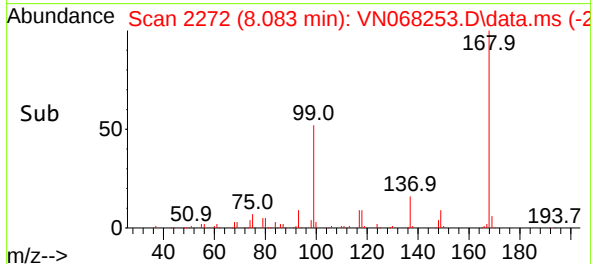
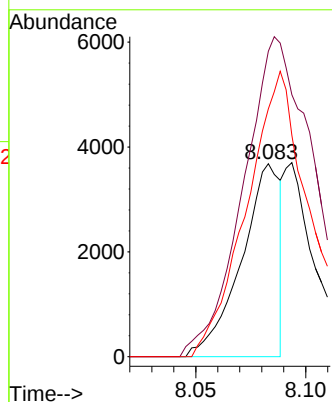
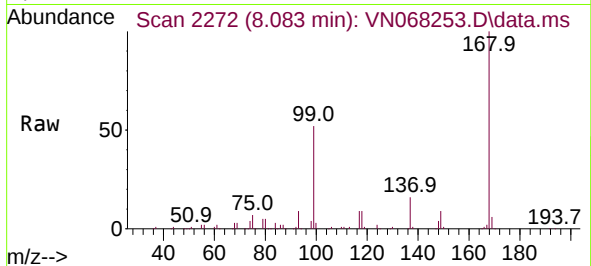




#31
Cyclohexane
Concen: 0.686 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

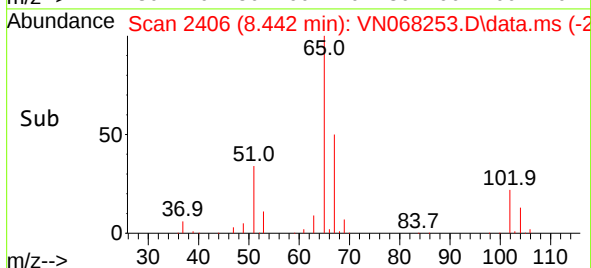
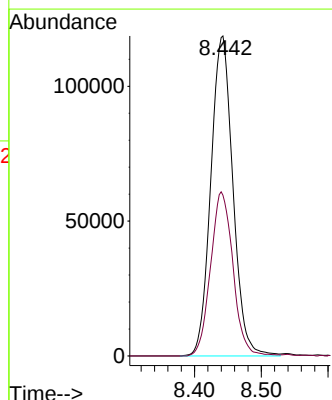
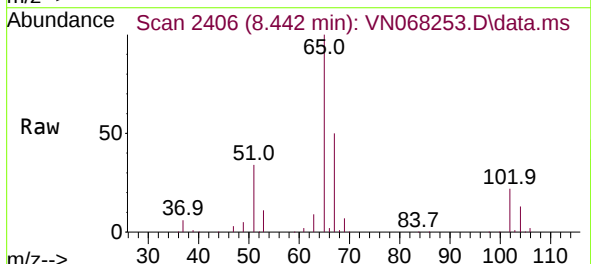
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MSVOA_N
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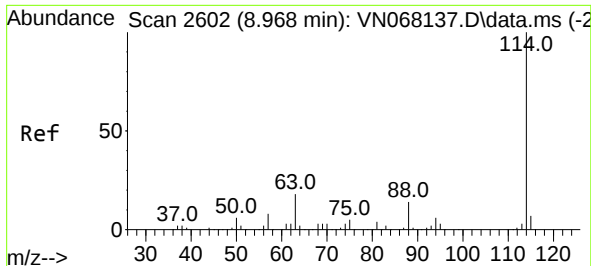
Tgt Ion:	56	Resp:	4515
Ion	Ratio	Lower	Upper
56	100		
69	158.3	27.3	40.9#
84	135.8	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 54.721 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

Tgt Ion:	65	Resp:	273455
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	98.6

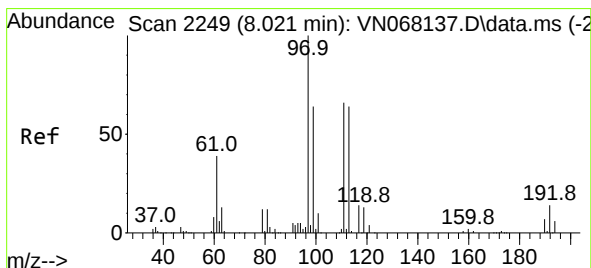
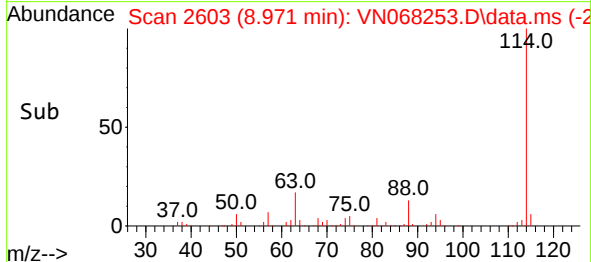
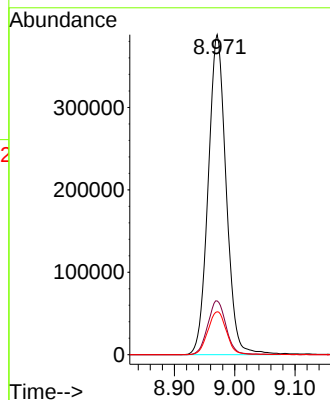
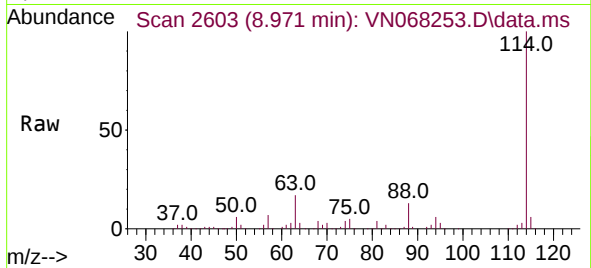




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

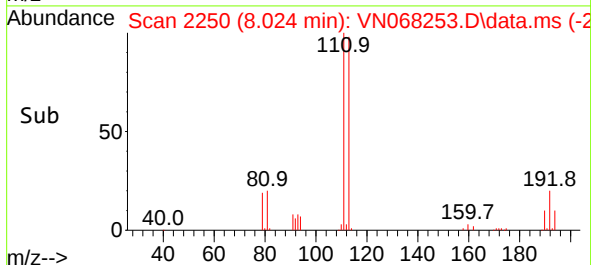
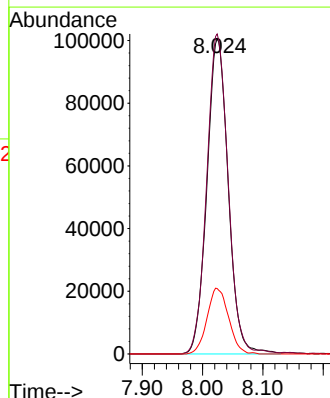
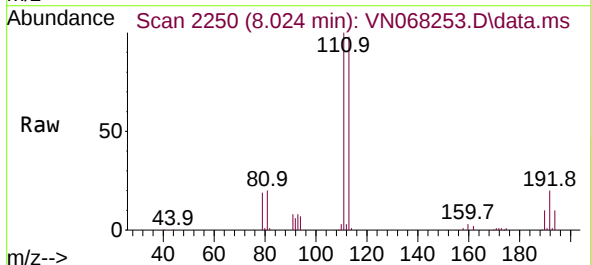
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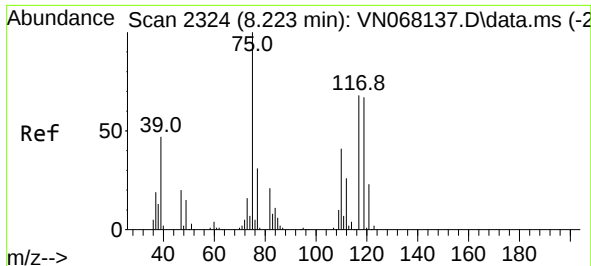
Tgt Ion:114 Resp: 804163
Ion Ratio Lower Upper
114 100
63 16.8 0.0 49.0
88 13.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.931 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

Tgt Ion:113 Resp: 247039
Ion Ratio Lower Upper
113 100
111 101.9 83.8 125.8
192 21.0 13.4 20.0#

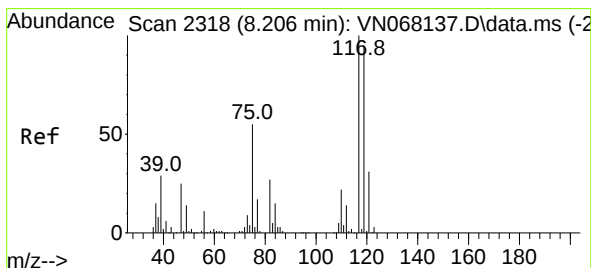
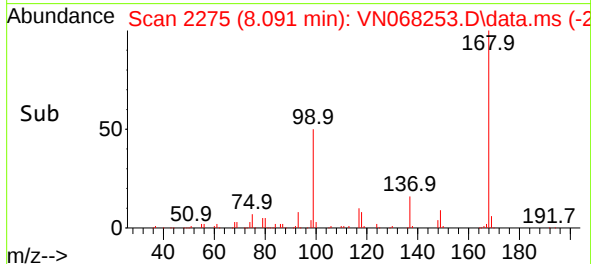
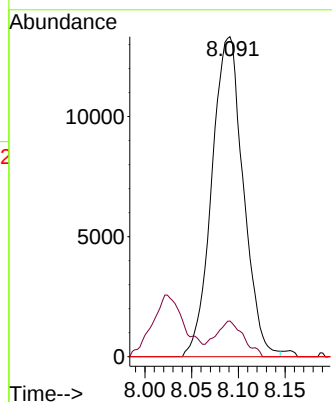
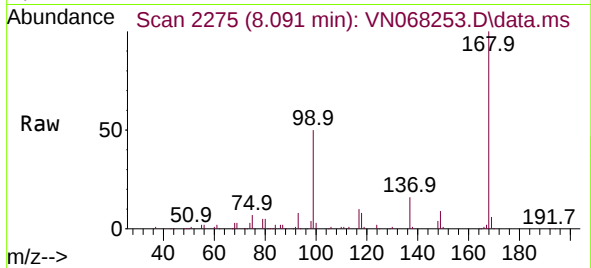




#36
1,1-Dichloropropene
Concen: 4.760 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.132 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

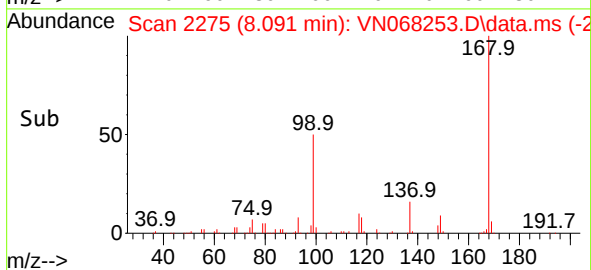
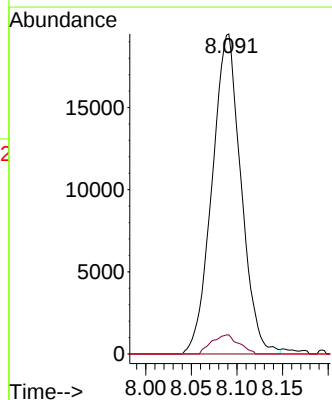
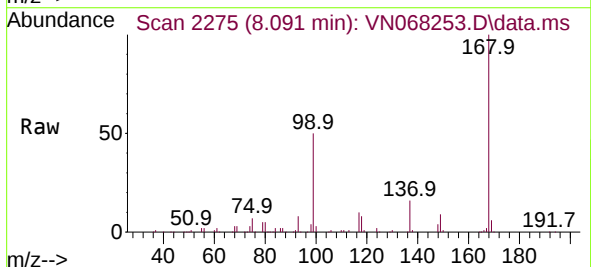
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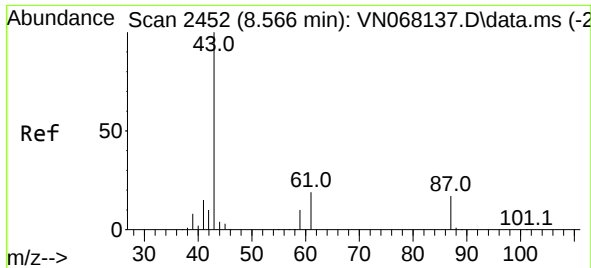
Tgt Ion: 75 Resp: 31292
Ion Ratio Lower Upper
75 100
110 9.9 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.669 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

Tgt Ion: 117 Resp: 42985
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 23.5 35.3#

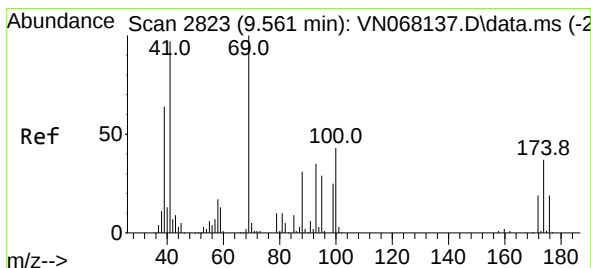
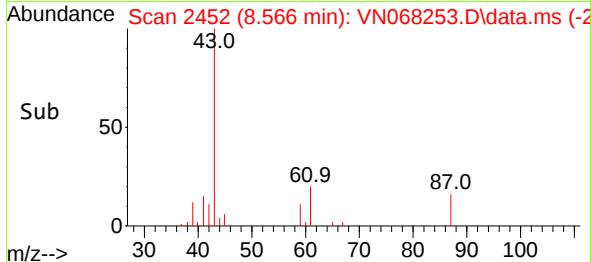
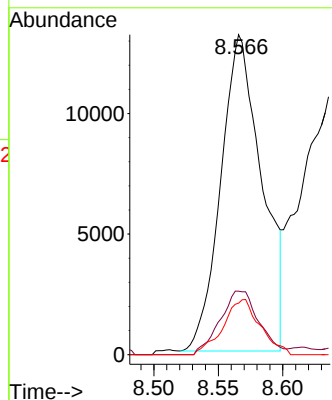
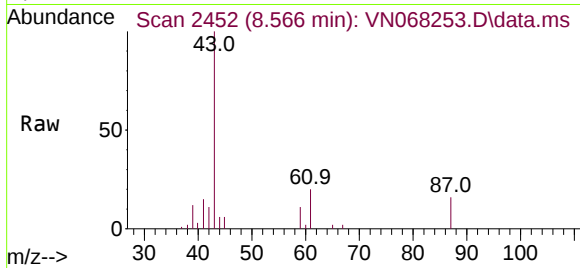




#43
Isopropyl Acetate
Concen: 3.236 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

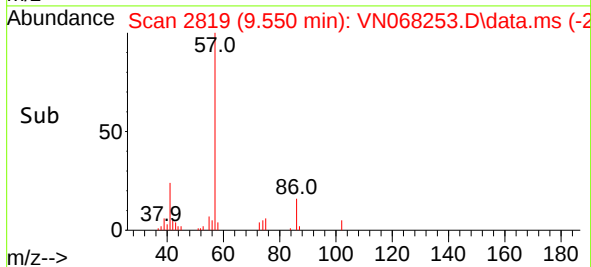
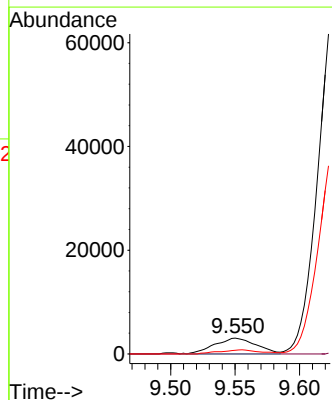
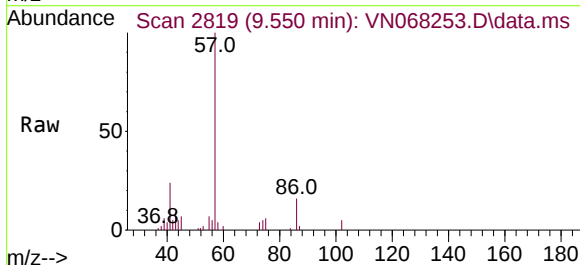
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-5-(184.50)

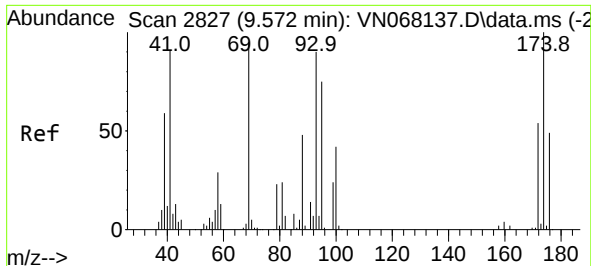
Tgt Ion: 43 Resp: 29025
Ion Ratio Lower Upper
43 100
61 19.1 19.0 28.4
87 15.8 9.5 14.3#



#48
Methyl methacrylate
Concen: 1.853 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

Tgt Ion: 41 Resp: 6926
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

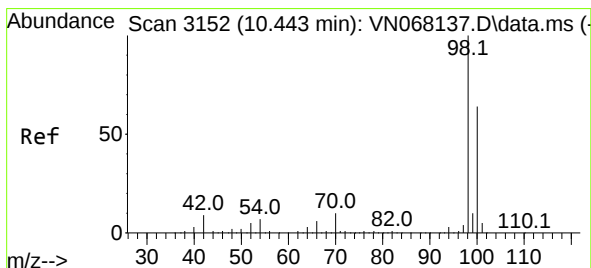
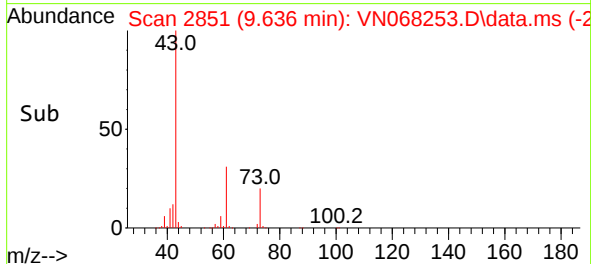
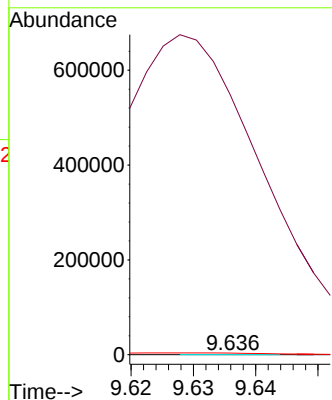
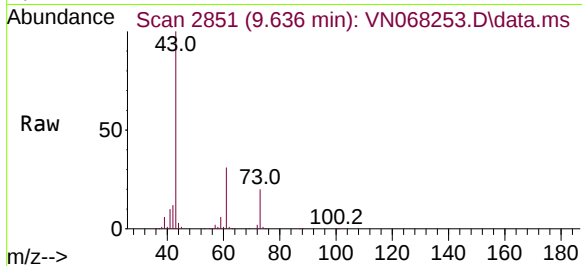




#49
1,4-Dioxane
Concen: 0.952 ug/l
RT: 9.636 min Scan# 2851
Delta R.T. 0.064 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

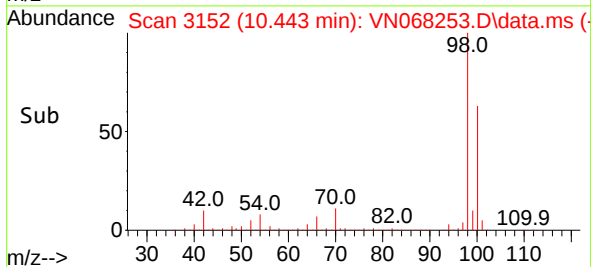
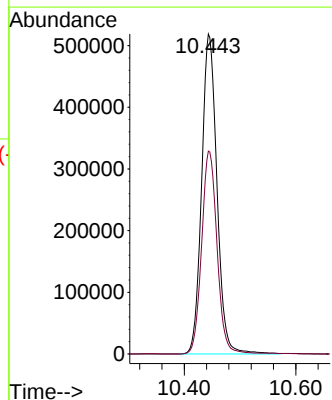
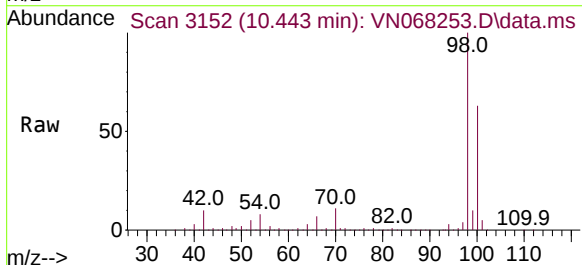
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-5-(184.50)

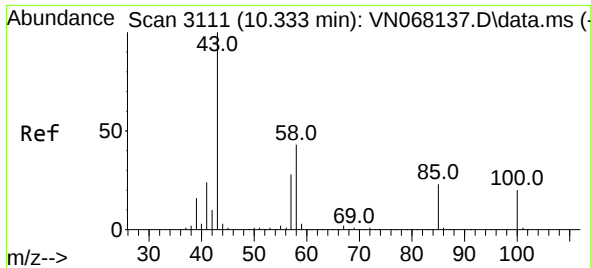
Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 1488277.9 28.8 43.2#
58 9059.3 60.4 90.6#



#50
Toluene-d8
Concen: 51.422 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

Tgt Ion: 98 Resp: 989225
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

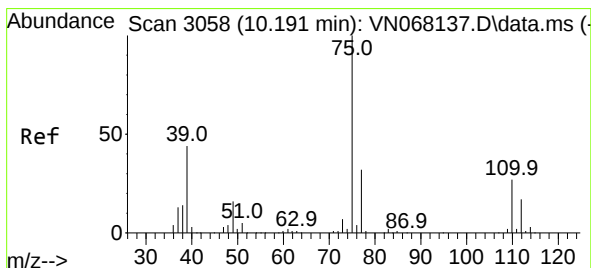
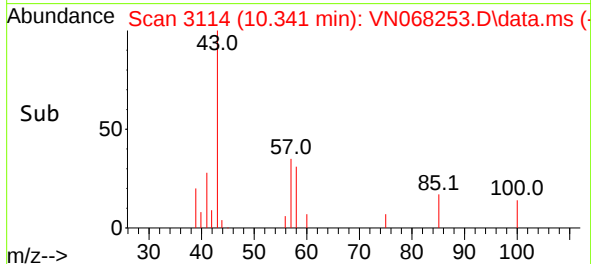
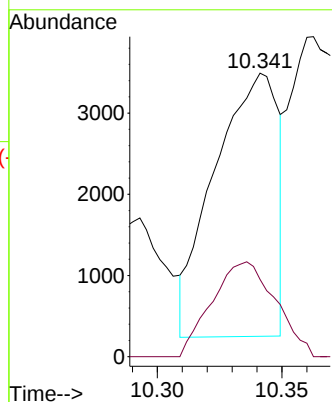
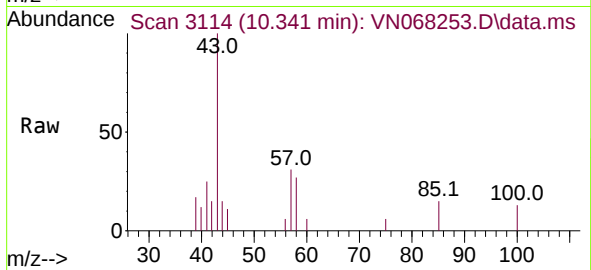




#51
4-Methyl-2-Pentanone
Concen: 1.043 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

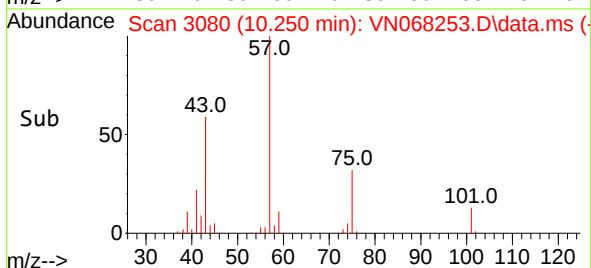
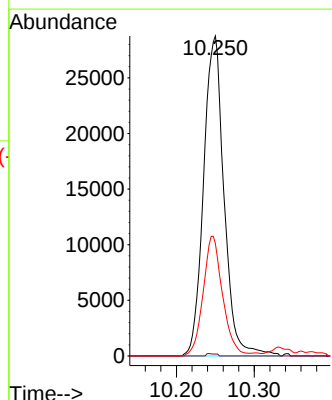
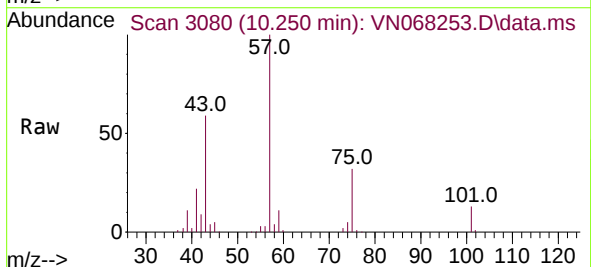
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-5-(184.50)

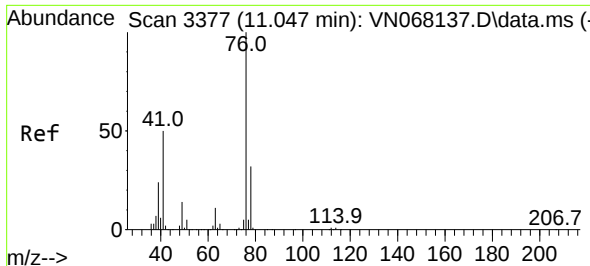
Tgt Ion: 43 Resp: 5749
Ion Ratio Lower Upper
43 100
58 36.1 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 6.904 ug/l
RT: 10.250 min Scan# 3080
Delta R.T. 0.059 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

Tgt Ion: 75 Resp: 52564
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 35.1 50.7 76.1#

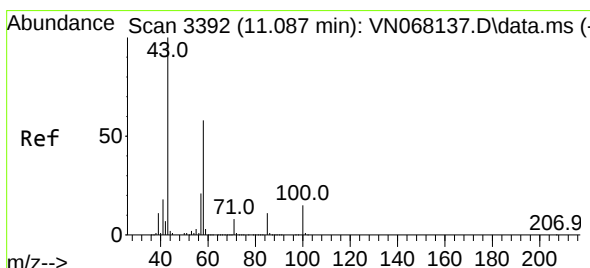
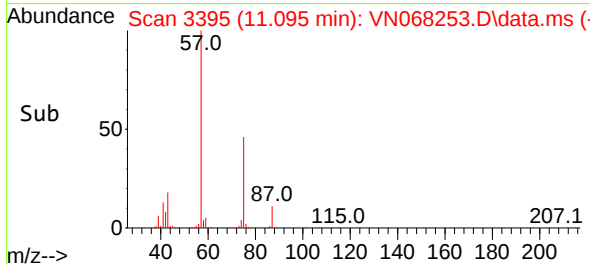
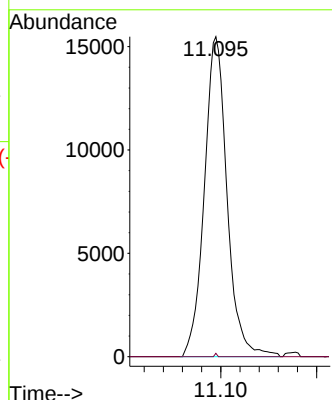
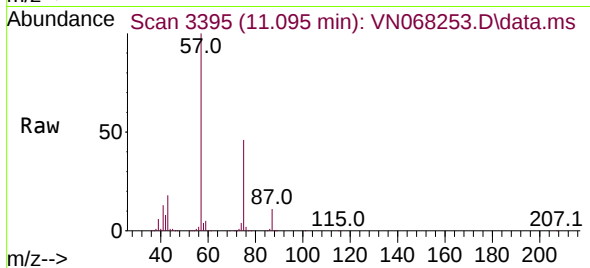




#57
1,3-Dichloropropane
Concen: 3.034 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

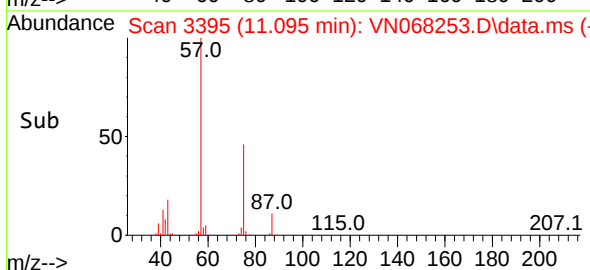
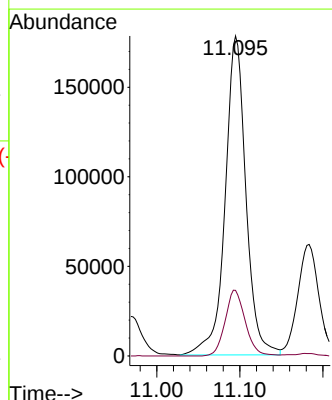
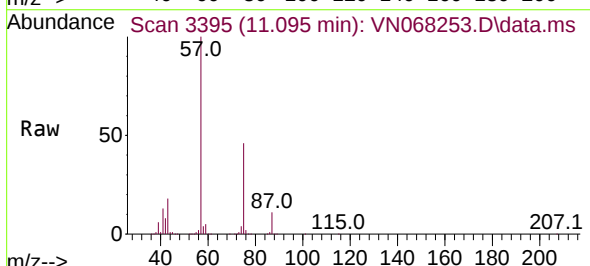
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-5-(184.50)

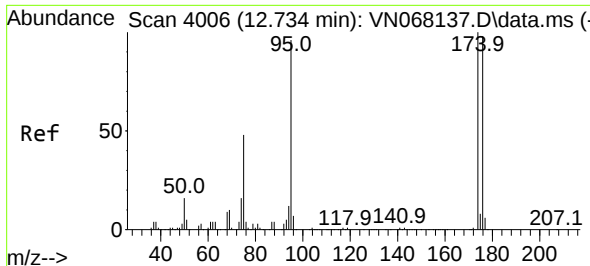
Tgt Ion: 76 Resp: 25546
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#



#59
2-Hexanone
Concen: 80.915 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

Tgt Ion: 43 Resp: 309606
Ion Ratio Lower Upper
43 100
58 20.0 24.7 74.1#

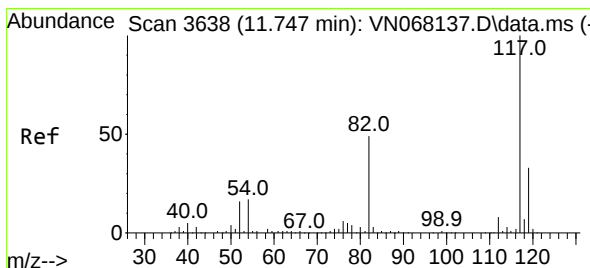
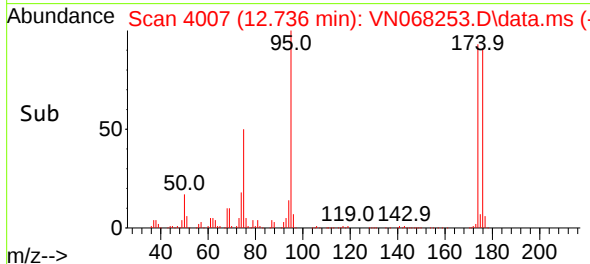
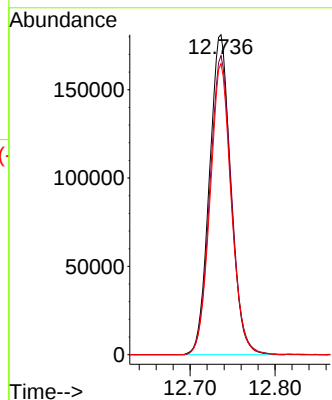
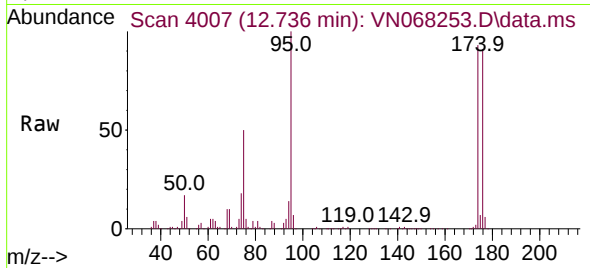




#62
4-Bromofluorobenzene
Concen: 49.478 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

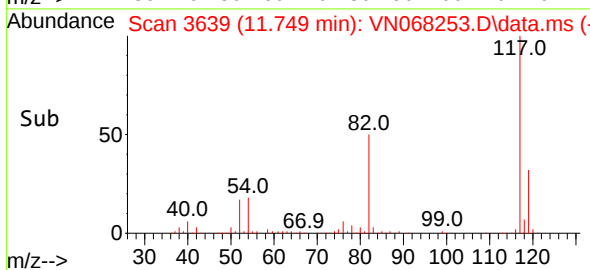
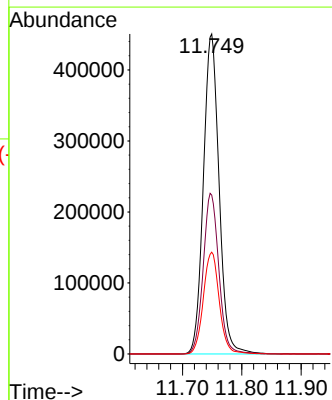
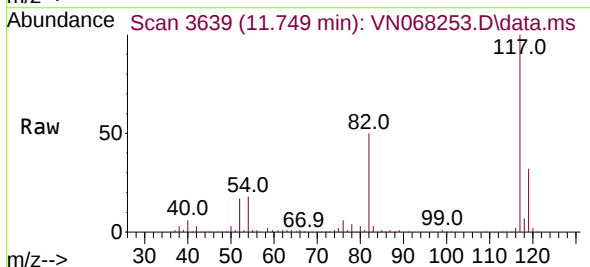
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-5-(184.50)

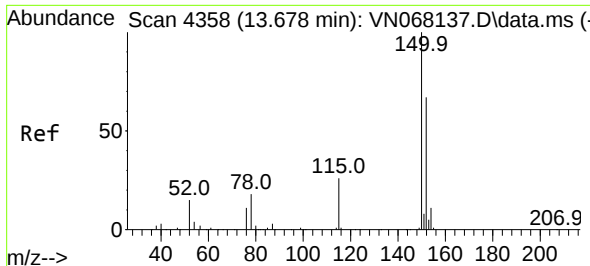
Tgt Ion: 95 Resp: 316859
Ion Ratio Lower Upper
95 100
174 95.0 0.0 122.0
176 90.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

Tgt Ion: 117 Resp: 828008
Ion Ratio Lower Upper
117 100
82 49.7 53.1 79.7#
119 31.8 25.5 38.3

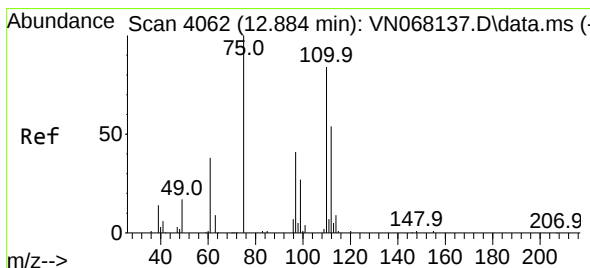
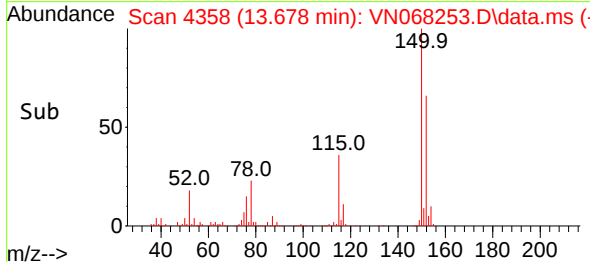
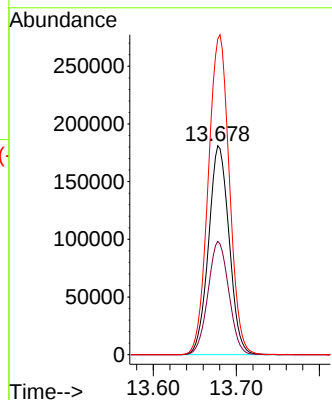
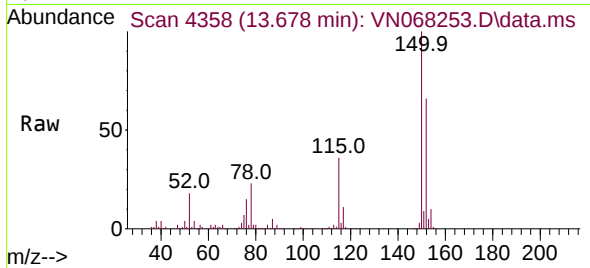




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

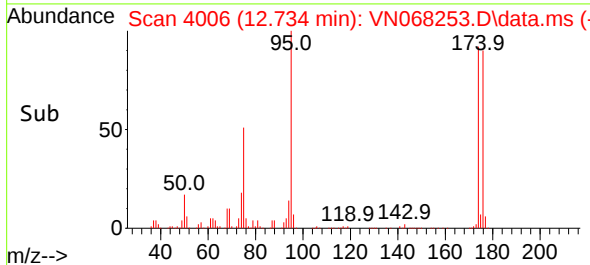
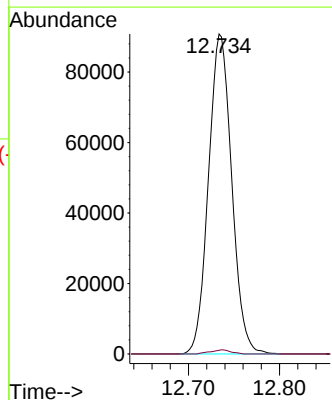
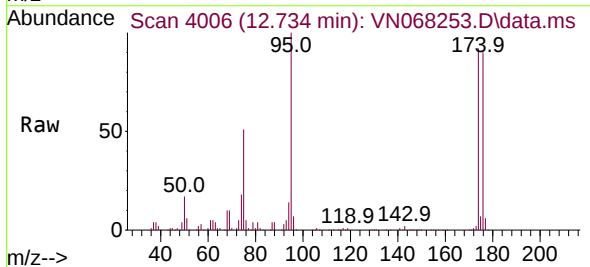
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-5-(184.50)

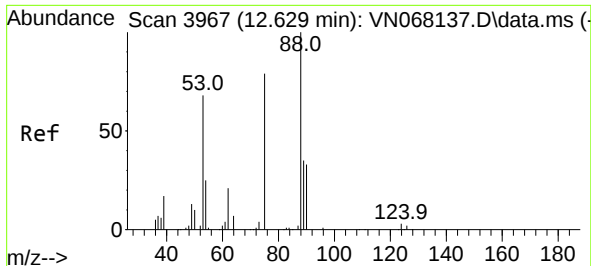
Tgt Ion:152 Resp: 311271
Ion Ratio Lower Upper
152 100
115 54.9 36.1 108.5
150 156.7 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 31.032 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

Tgt Ion: 75 Resp: 160547
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

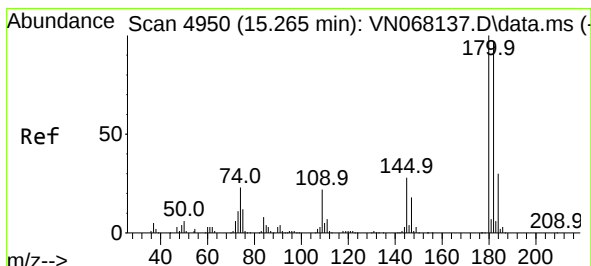
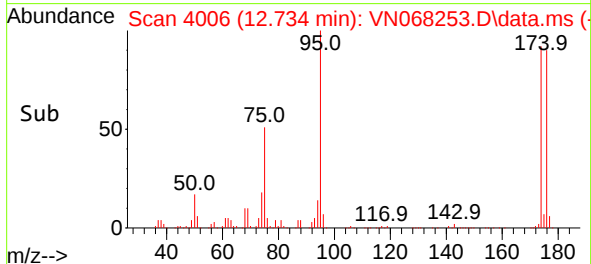
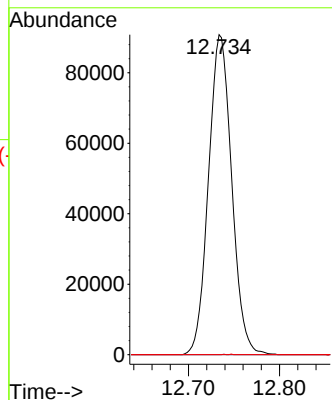
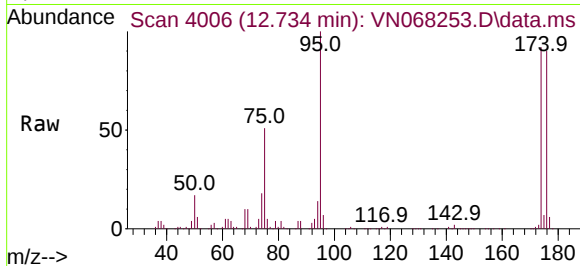




#81
trans-1,4-Dichloro-2-butene
Concen: 101.665 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

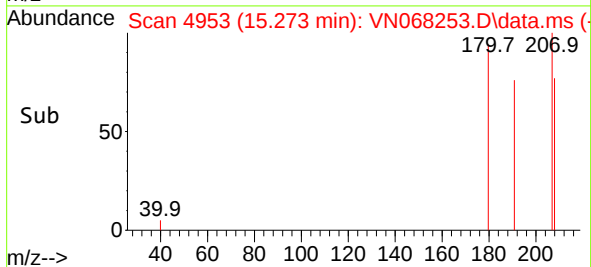
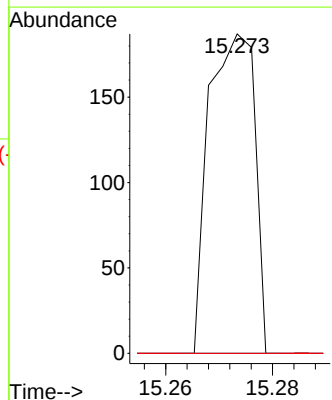
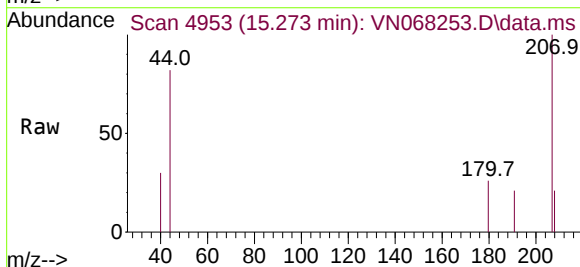
Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-5-(184.50)

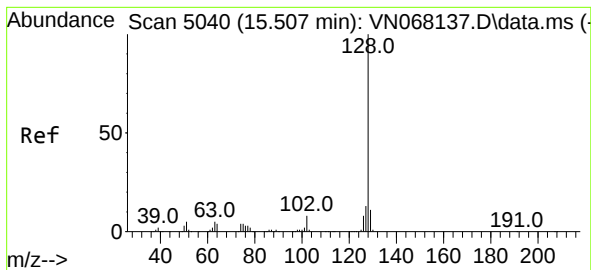
Tgt Ion: 75 Resp: 160547
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.705 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

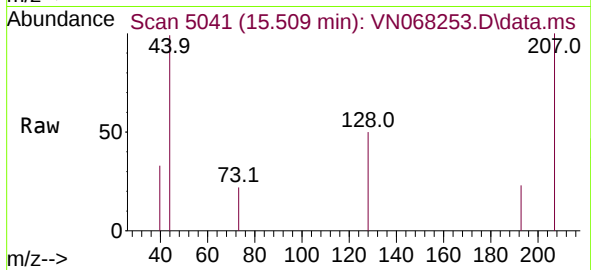
Tgt Ion:180 Resp: 111
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#





#95
Naphthalene
Concen: 3.381 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068253.D
Acq: 20 Aug 2021 18:31

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-5-(184.50)



Tgt Ion:128 Resp: 483
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

