

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068184.D
 Acq On : 18 Aug 2021 11:12
 Operator : JC/MD
 Sample : VN0818WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 13:40:58 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

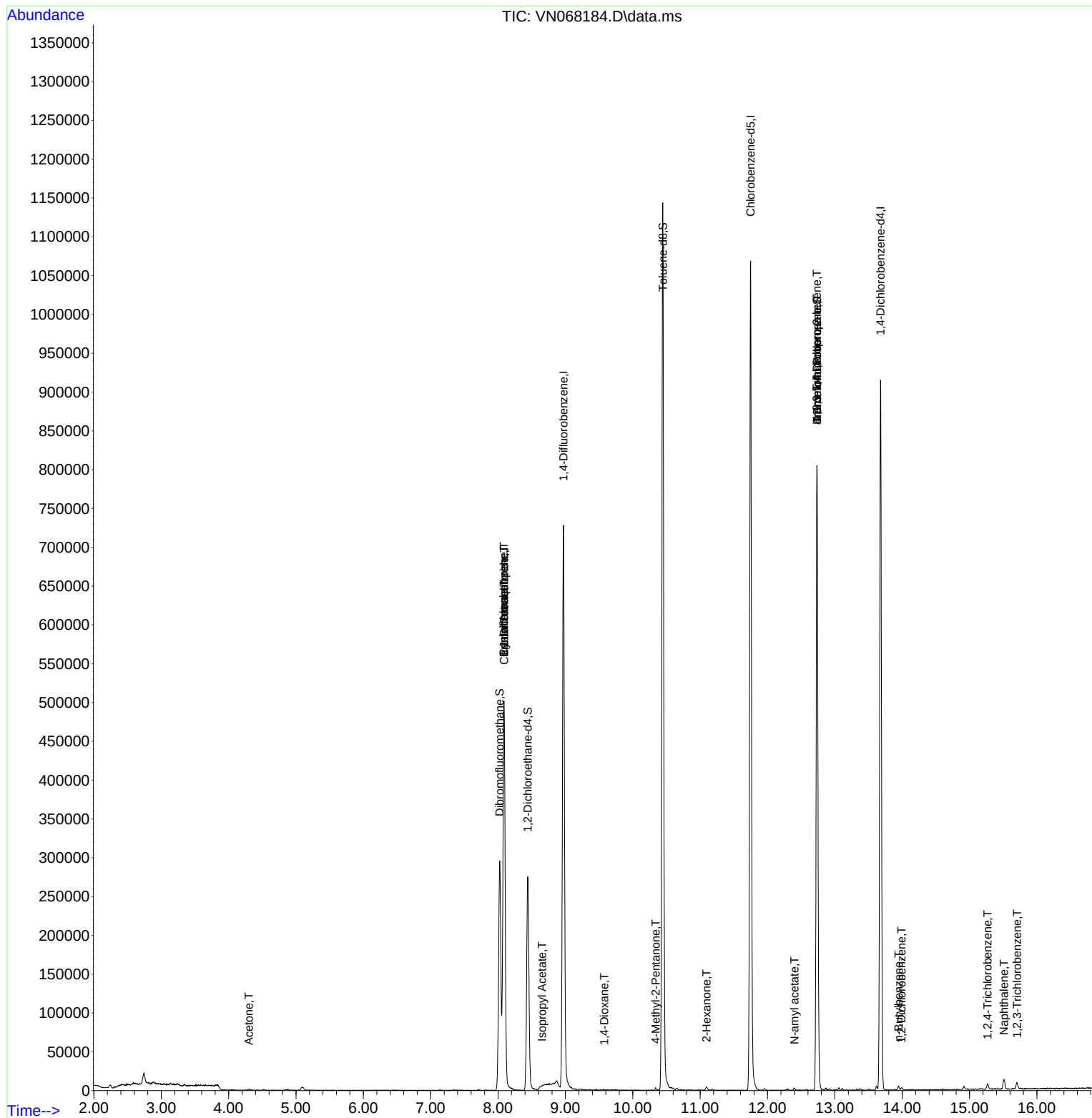
Compound	R.T.	T.Q	Ion	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.088	168		420412	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114		696766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117		689913	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152		280637	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.440	65		238252	53.076	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.160%	
35) Dibromofluoromethane	8.024	113		215109	49.174	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.340%	
50) Toluene-d8	10.446	98		847084	50.820	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.640%	
62) 4-Bromofluorobenzene	12.736	95		277081	49.935	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.880%	
Target Compounds							
							Qvalue
5) Bromomethane	2.823	94		153	Below Cal	#	4
6) Chloroethane	2.904	64		59	Below Cal	#	44
13) Acrolein	4.046	56		273	Below Cal		88
16) Acetone	4.299	43		1120	0.855	ug/l #	48
18) Methyl Acetate	4.870	43		1921	Below Cal	#	63
20) Methylene Chloride	5.095	84		3082	Below Cal	#	68
31) Cyclohexane	8.088	56		7270	1.230	ug/l #	1
36) 1,1-Dichloropropene	8.088	75		27705	4.864	ug/l #	52
38) Carbon Tetrachloride	8.091	117		40448	6.157	ug/l #	17
43) Isopropyl Acetate	8.651	43		4909	0.632	ug/l #	58
49) 1,4-Dioxane	9.577	88		53	0.677	ug/l #	20
51) 4-Methyl-2-Pentanone	10.341	43		1903	0.399	ug/l #	73
59) 2-Hexanone	11.095	43		3636	1.097	ug/l #	56
71) Bromoform	12.736	173		1210	0.283	ug/l #	1
74) N-amyl acetate	12.401	43		1962	0.378	ug/l #	74
76) 1,2,3-Trichloropropane	12.733	75		144115	30.896	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75		144115	101.221	ug/l #	6
89) n-Butylbenzene	13.948	91		3281	0.282	ug/l	93
91) 1,2-Dichlorobenzene	13.991	146		1795	0.201	ug/l	88
93) 1,2,4-Trichlorobenzene	15.268	180		2898	3.271	ug/l #	89
95) Naphthalene	15.512	128		13050	4.450	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180		3611	3.598	ug/l	96

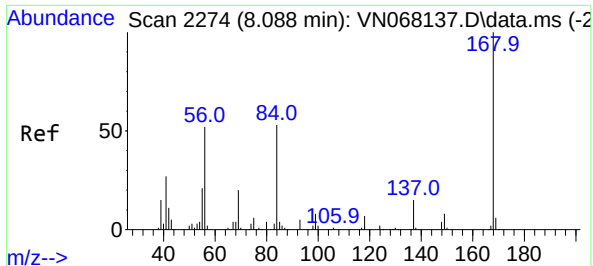
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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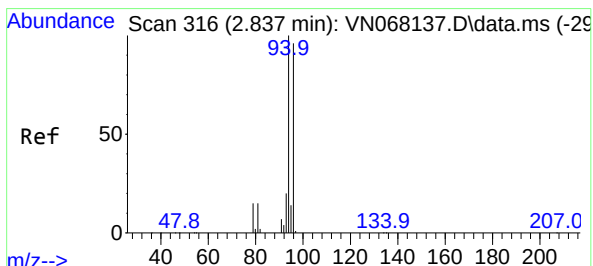
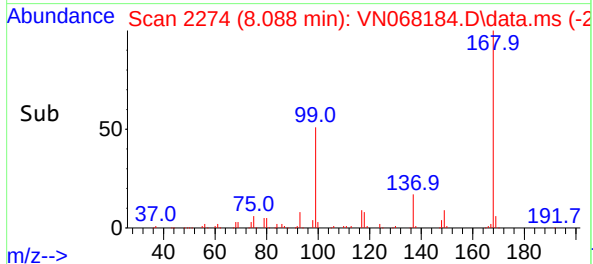
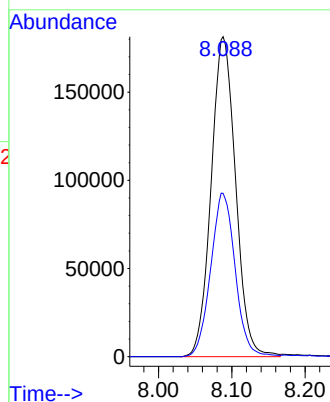
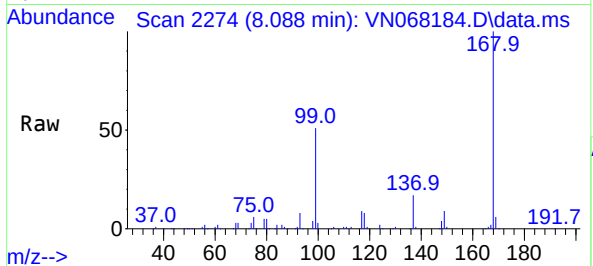




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

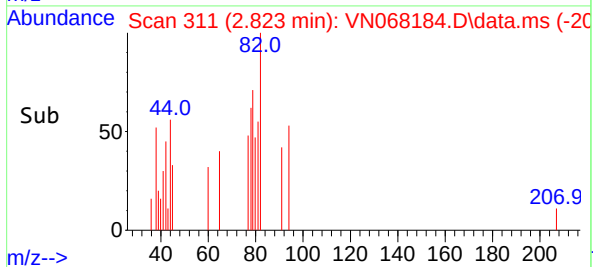
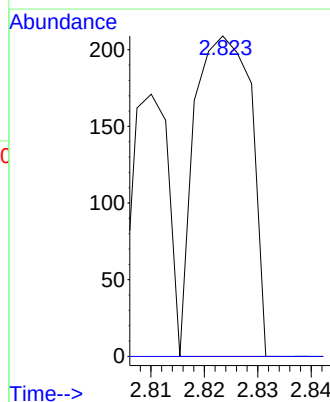
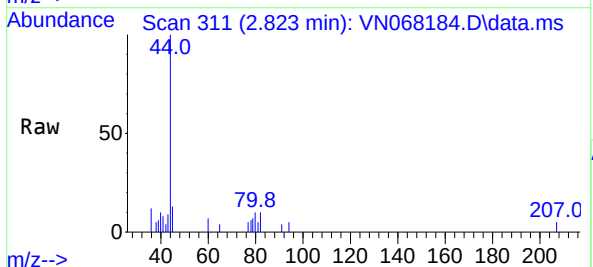
Instrument :
MSVOA_N
ClientSampled :

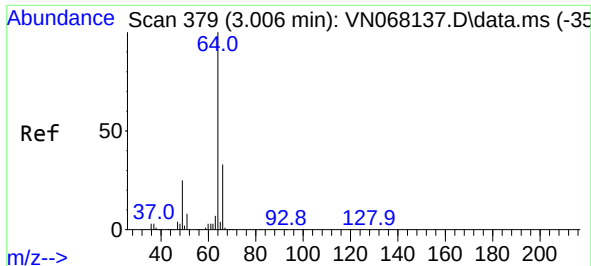
Tgt Ion:168 Resp: 420412
Ion Ratio Lower Upper
168 100
99 51.0 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.823 min Scan# 311
Delta R.T. -0.014 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Tgt Ion: 94 Resp: 153
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

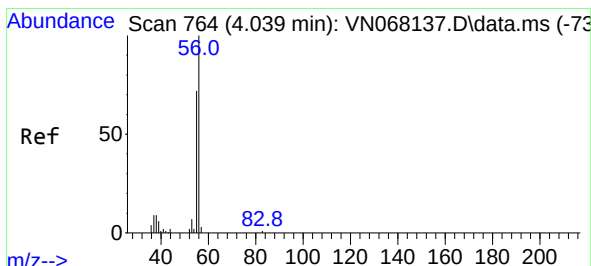
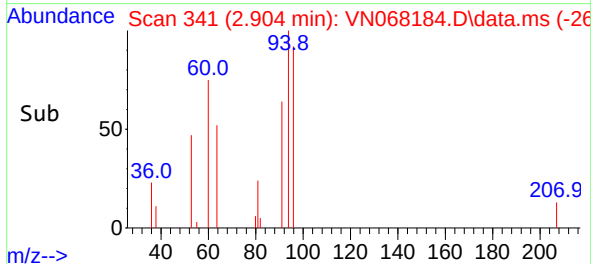
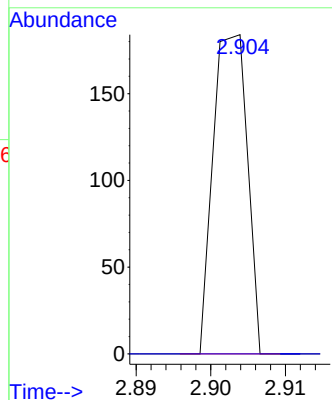
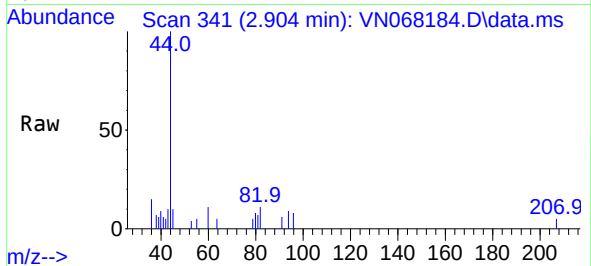




#6
Chloroethane
Concen: Below Cal
RT: 2.904 min Scan# 341
Delta R.T. -0.102 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

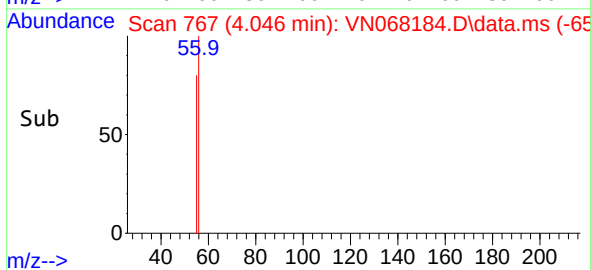
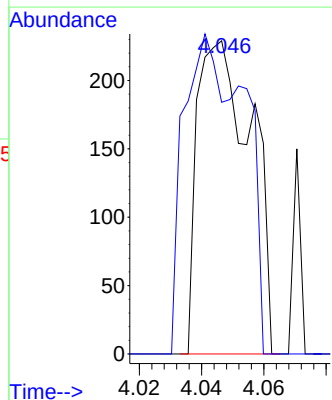
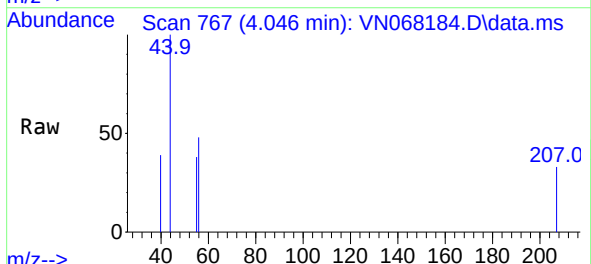
Instrument :
MSVOA_N
ClientSampled :

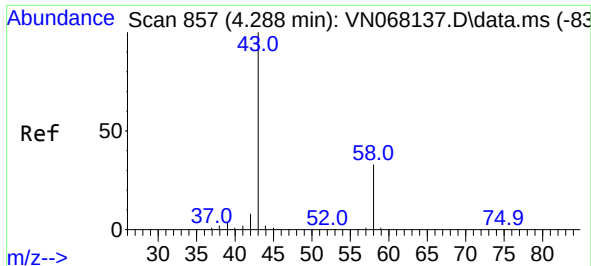
Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.046 min Scan# 767
Delta R.T. 0.007 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Tgt Ion: 56 Resp: 273
Ion Ratio Lower Upper
56 100
55 81.7 57.4 86.0

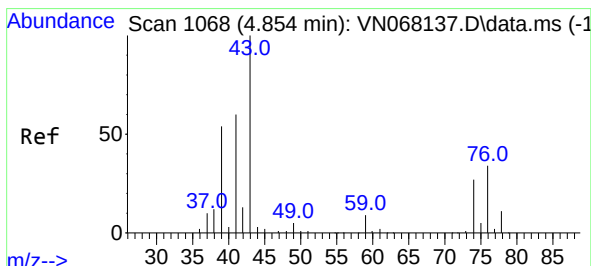
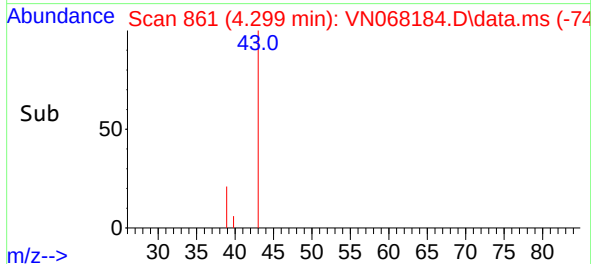
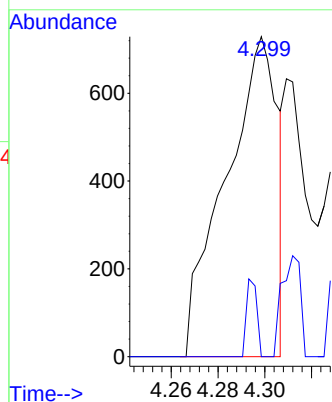
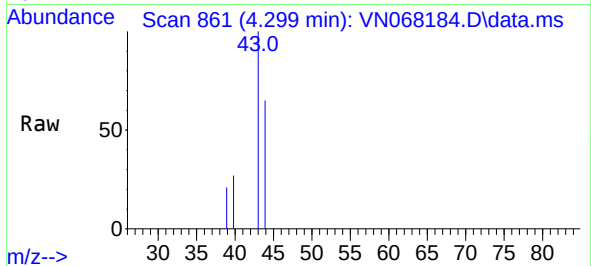




#16
Acetone
Concen: 0.855 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

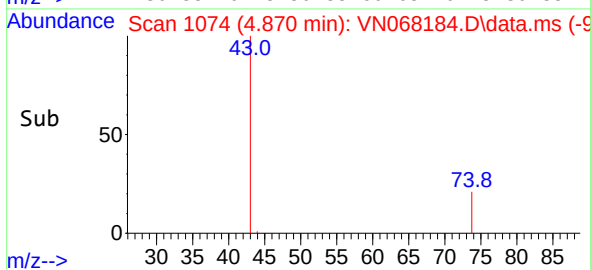
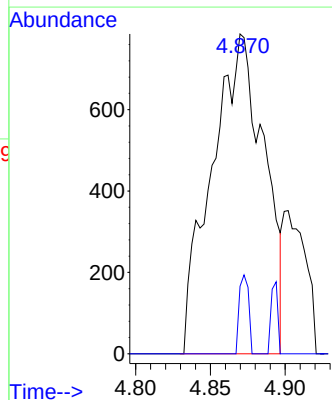
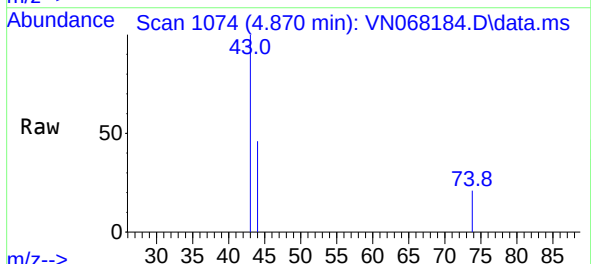
Instrument :
MSVOA_N
ClientSampled :

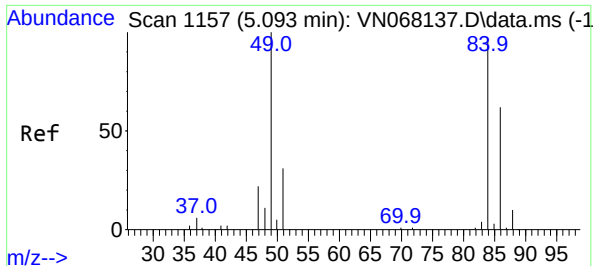
Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

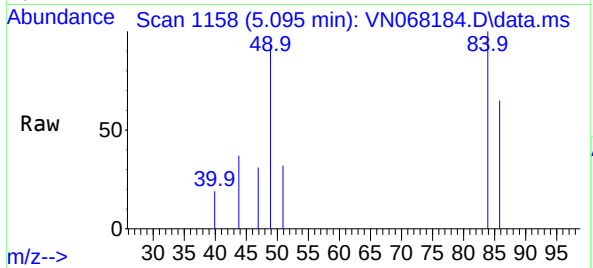
Tgt Ion: 43 Resp: 1921
Ion Ratio Lower Upper
43 100
74 4.4 17.4 26.0#





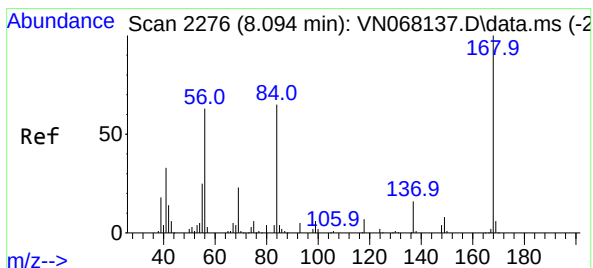
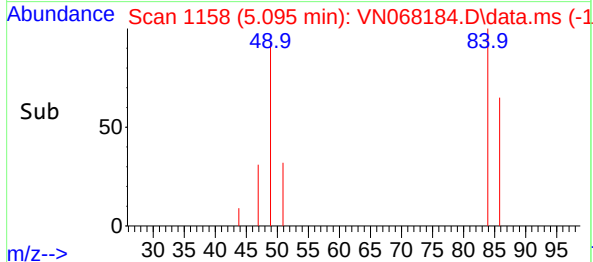
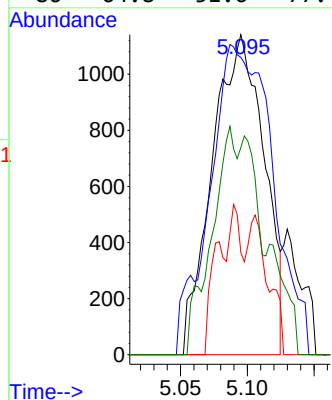
#20
Methylene Chloride
Concen: Below Cal
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 3082

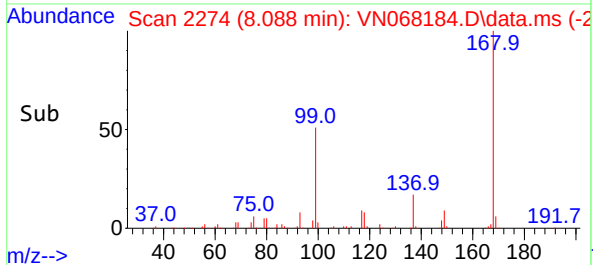
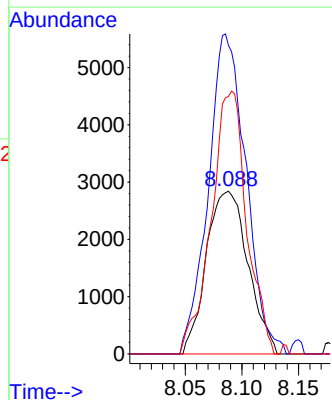
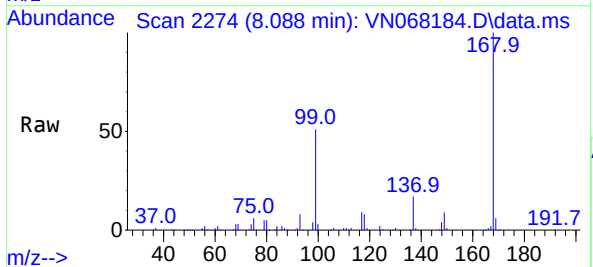
Ion	Ratio	Lower	Upper
84	100		
49	76.1	110.9	166.3#
51	31.9	32.6	49.0#
86	64.8	51.6	77.4

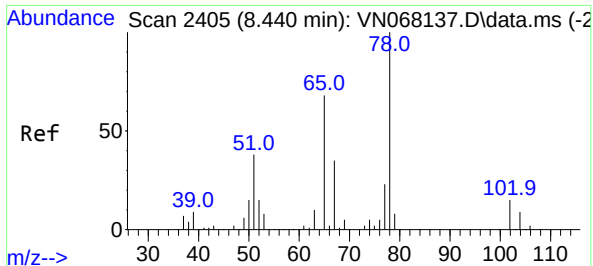


#31
Cyclohexane
Concen: 1.230 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Tgt Ion: 56 Resp: 7270

Ion	Ratio	Lower	Upper
56	100		
69	189.6	27.3	40.9#
84	158.4	64.9	97.3#

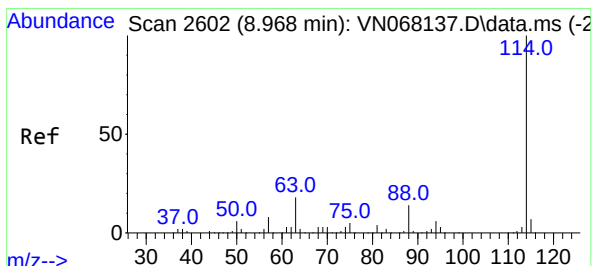
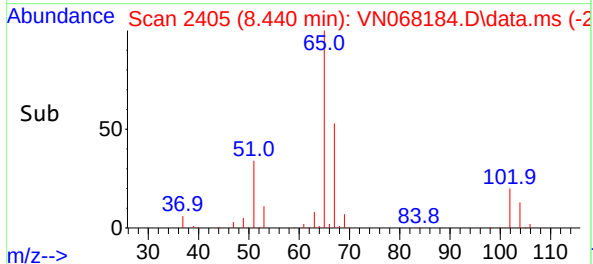
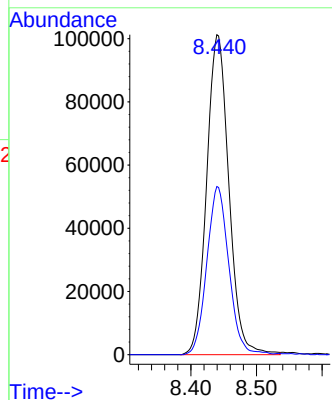
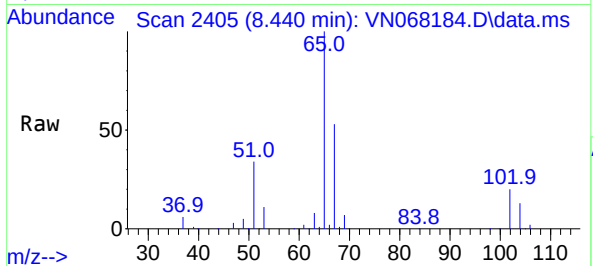




#33
1,2-Dichloroethane-d4
Concen: 53.076 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

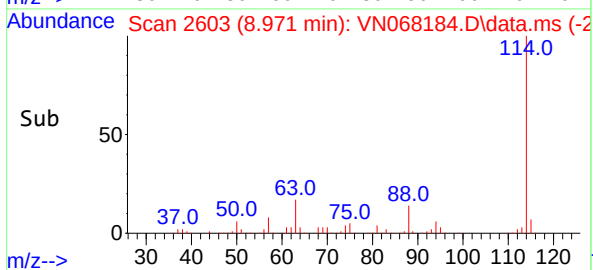
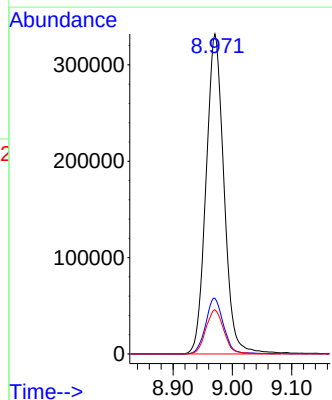
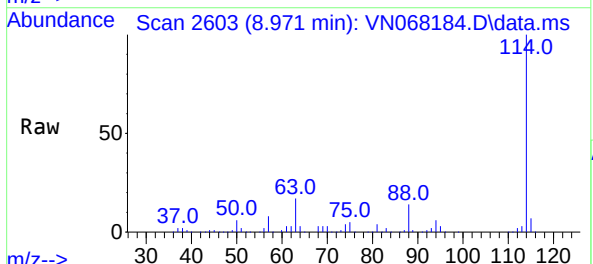
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MSVOA_N
ClientSampled :

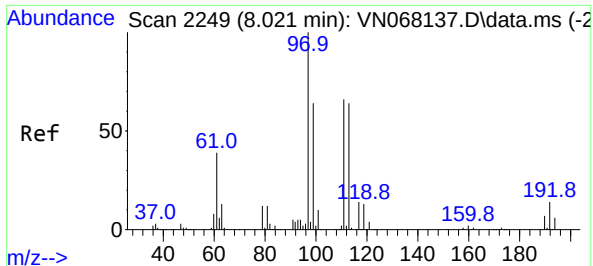
Tgt Ion: 65 Resp: 238252
Ion Ratio Lower Upper
65 100
67 52.1 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Tgt Ion: 114 Resp: 696766
Ion Ratio Lower Upper
114 100
63 17.4 0.0 49.0
88 13.8 0.0 36.6

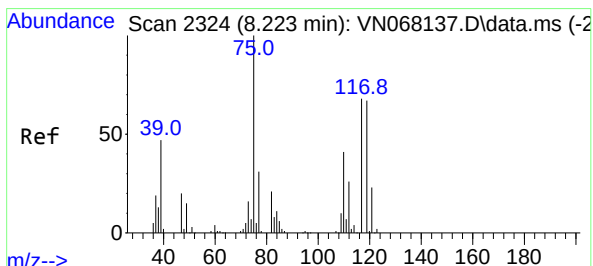
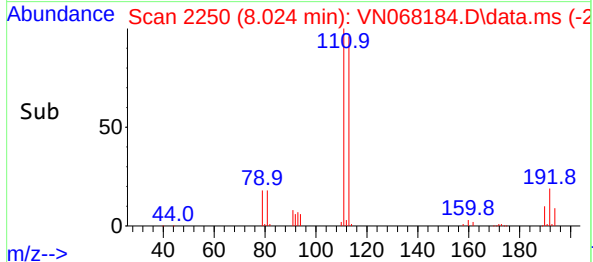
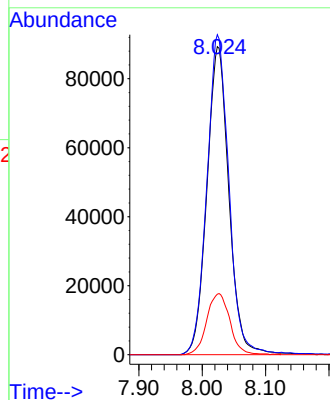
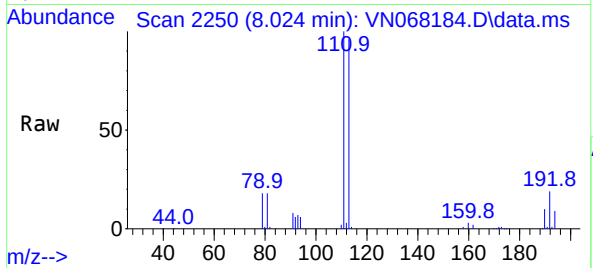




#35
Dibromofluoromethane
Concen: 49.174 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

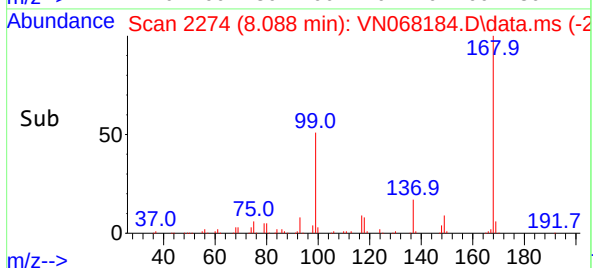
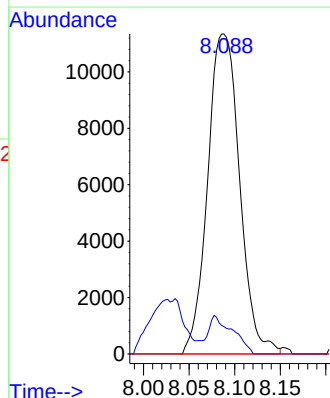
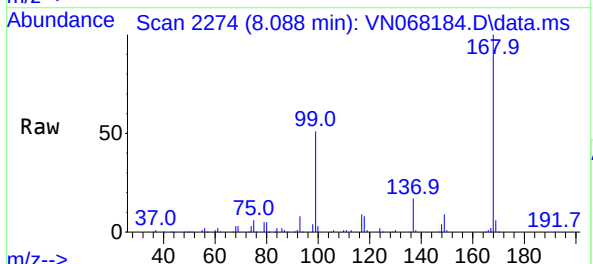
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ClientSampled :

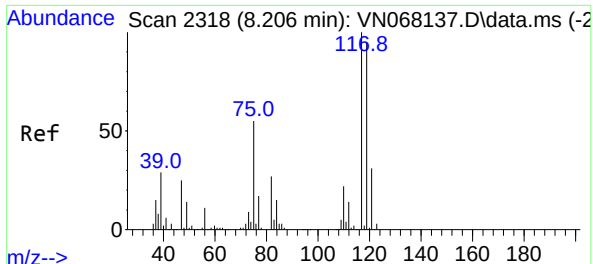
Tgt Ion:113 Resp: 215109
Ion Ratio Lower Upper
113 100
111 103.7 83.8 125.8
192 20.9 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.864 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

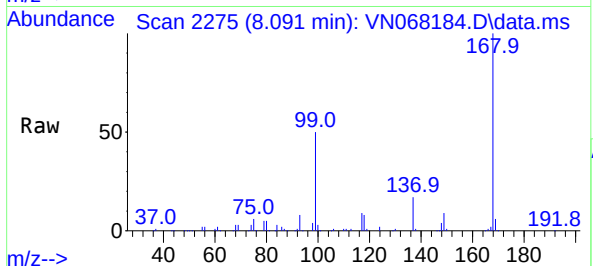
Tgt Ion: 75 Resp: 27705
Ion Ratio Lower Upper
75 100
110 9.1 15.7 47.0#
77 0.0 24.6 37.0#



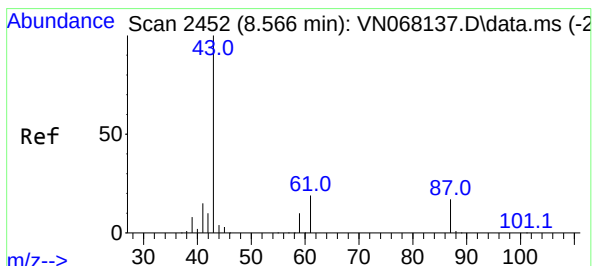
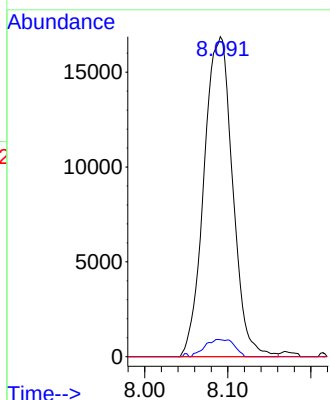
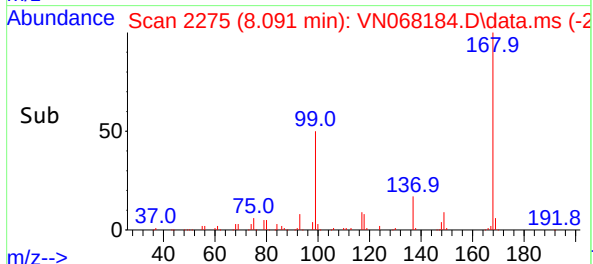


#38
Carbon Tetrachloride
Concen: 6.157 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

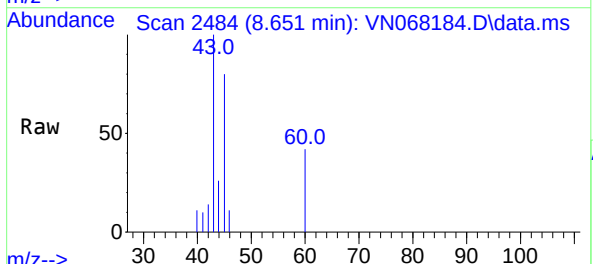
Instrument :
MSVOA_N
ClientSampled :



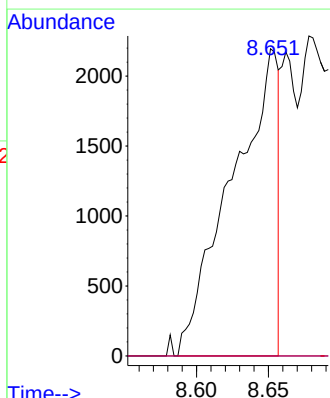
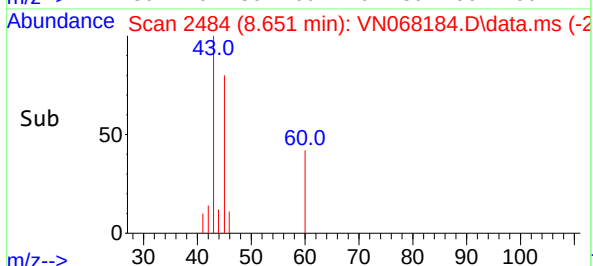
Tgt Ion:117 Resp: 40448
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#

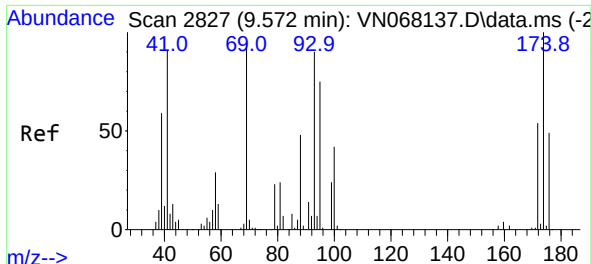


#43
Isopropyl Acetate
Concen: 0.632 ug/l
RT: 8.651 min Scan# 2484
Delta R.T. 0.085 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12



Tgt Ion: 43 Resp: 4909
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

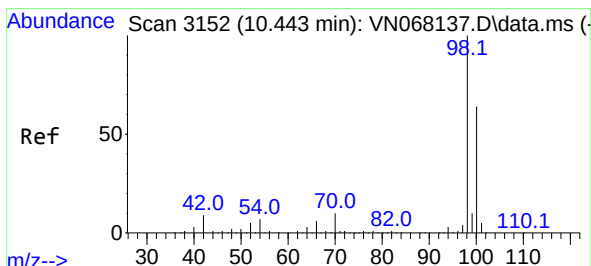
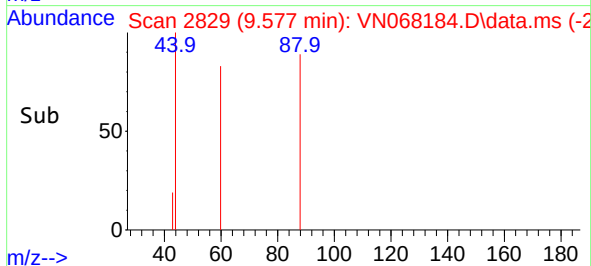
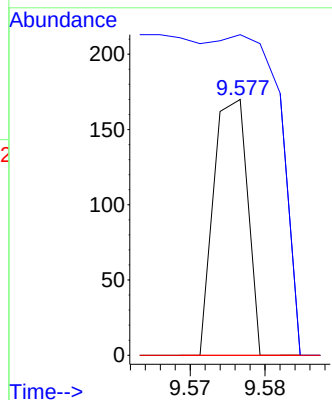
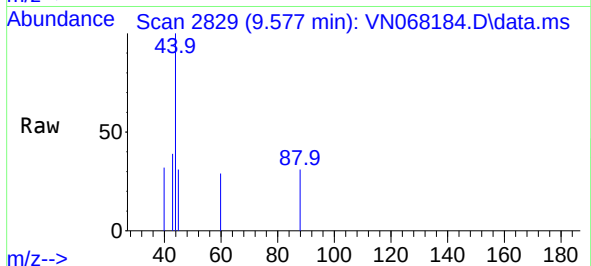




#49
1,4-Dioxane
Concen: 0.677 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.005 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

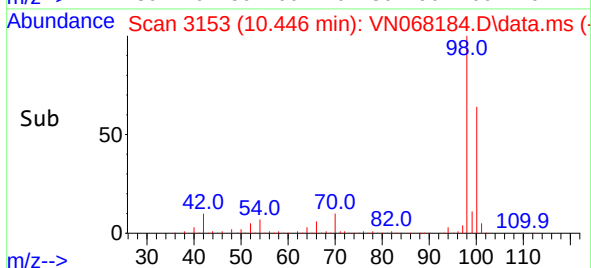
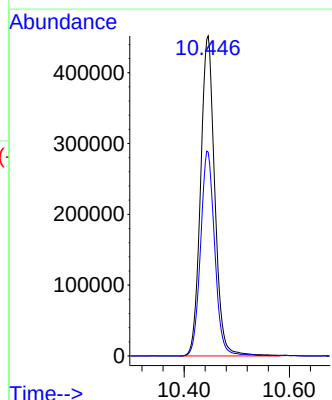
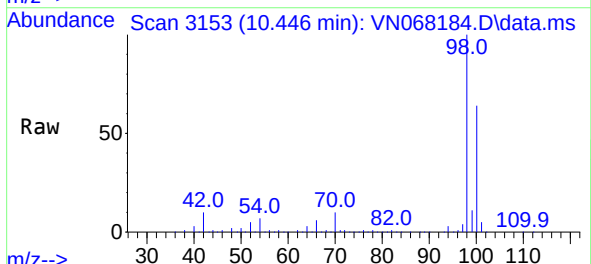
Instrument :
MSVOA_N
ClientSampled :

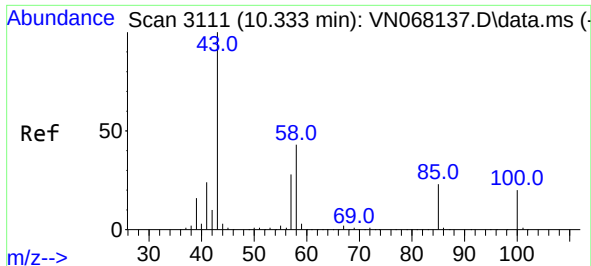
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 50.820 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Tgt Ion: 98 Resp: 847084
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

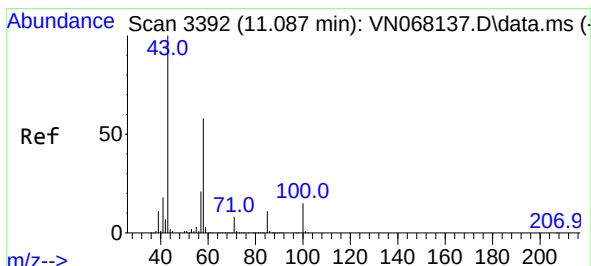
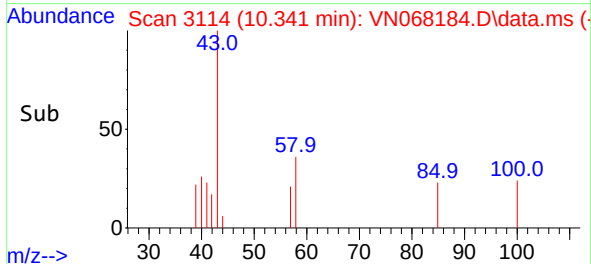
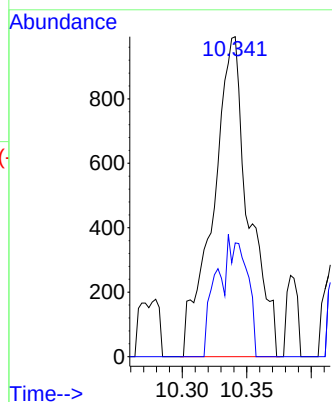
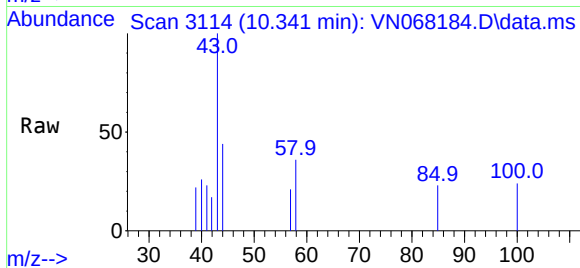




#51
4-Methyl-2-Pentanone
Concen: 0.399 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

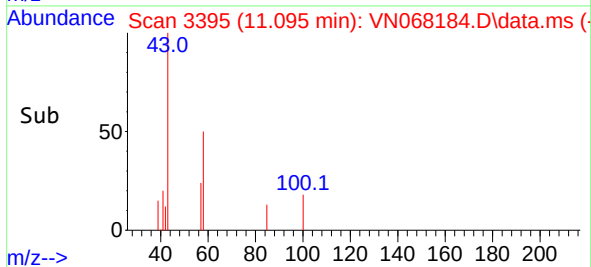
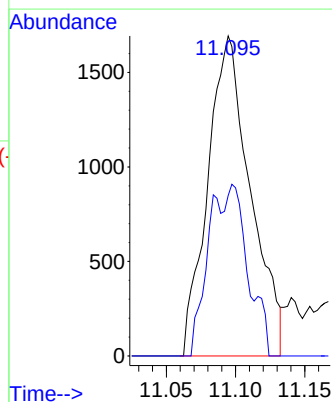
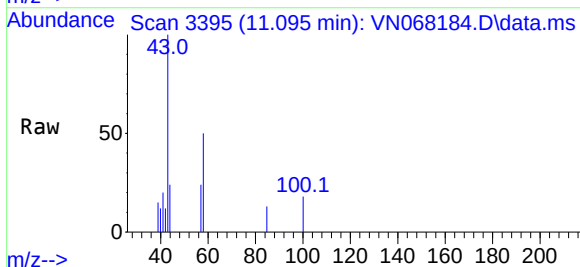
Instrument :
MSVOA_N
ClientSampled :

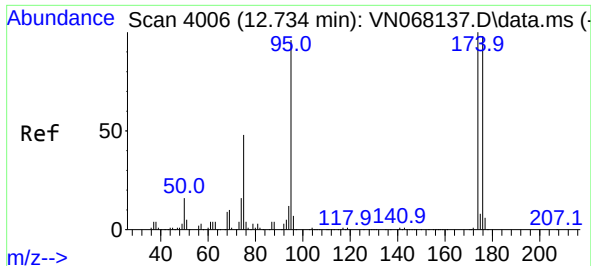
Tgt Ion: 43 Resp: 1903
Ion Ratio Lower Upper
43 100
58 20.2 28.6 43.0#



#59
2-Hexanone
Concen: 1.097 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Tgt Ion: 43 Resp: 3636
Ion Ratio Lower Upper
43 100
58 19.3 24.7 74.1#

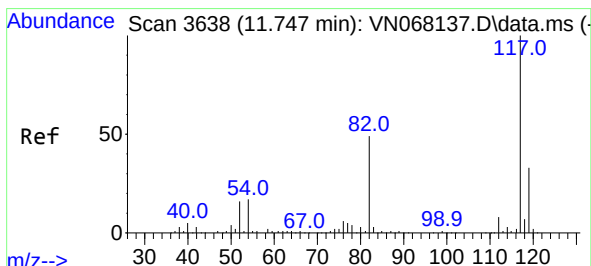
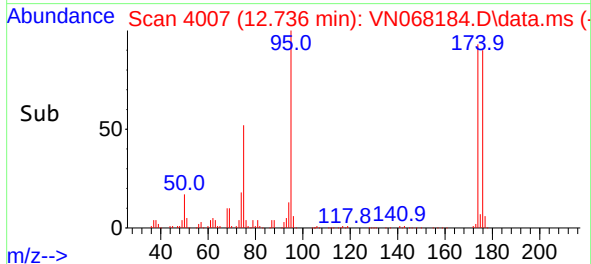
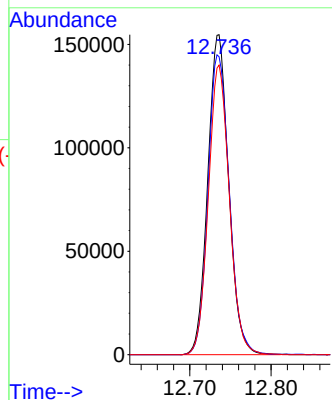
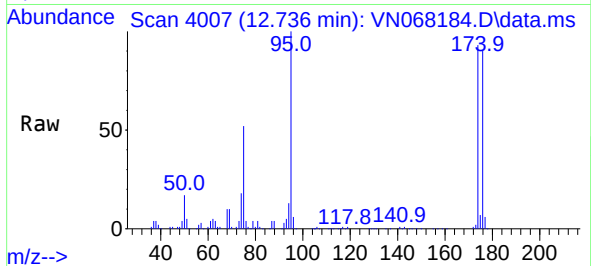




#62
4-Bromofluorobenzene
Concen: 49.935 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

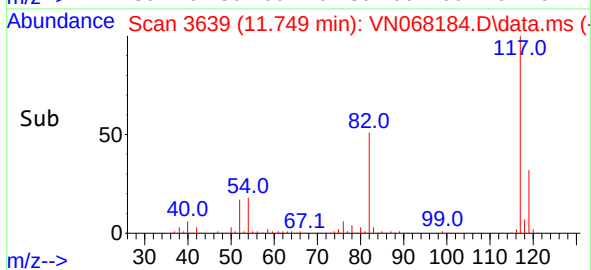
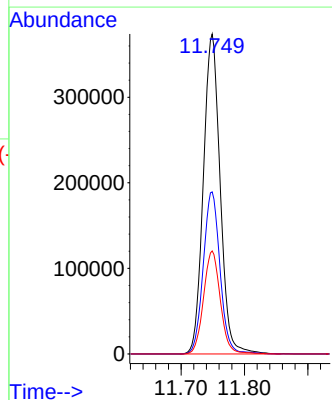
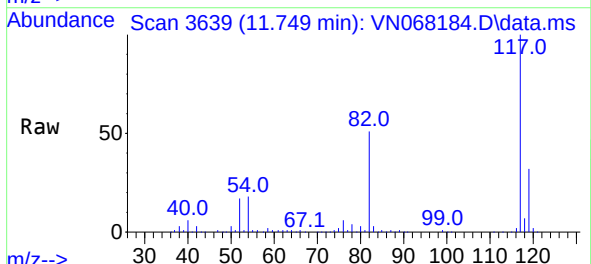
Instrument :
MSVOA_N
ClientSampled :

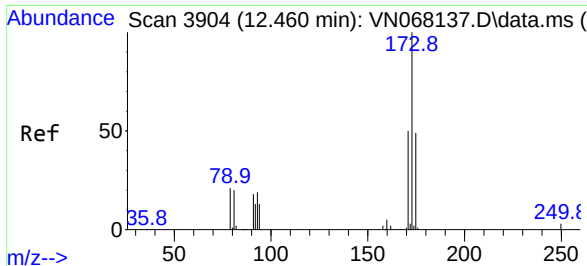
Tgt Ion: 95 Resp: 277081
Ion Ratio Lower Upper
95 100
174 95.4 0.0 122.0
176 90.7 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Tgt Ion: 117 Resp: 689913
Ion Ratio Lower Upper
117 100
82 50.7 53.1 79.7#
119 32.2 25.5 38.3

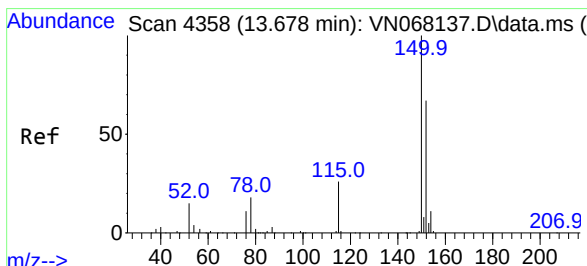
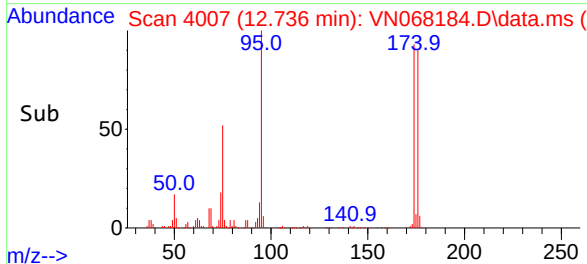
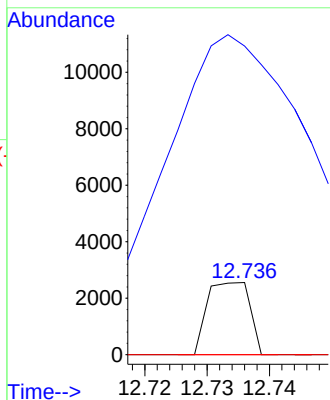
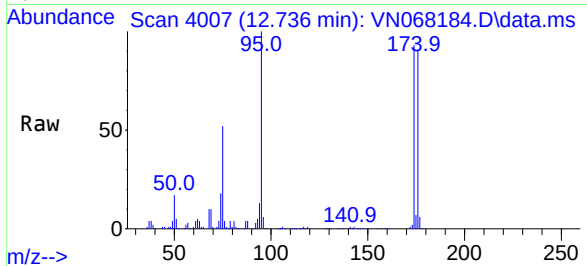




#71
Bromoform
Concen: 0.283 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

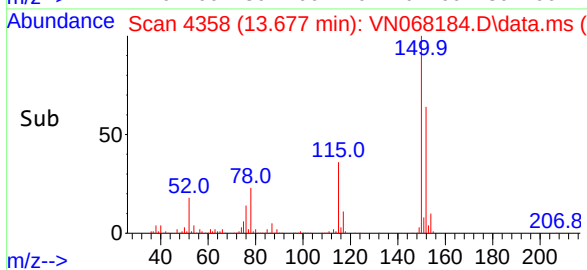
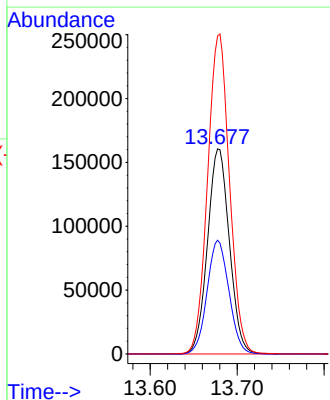
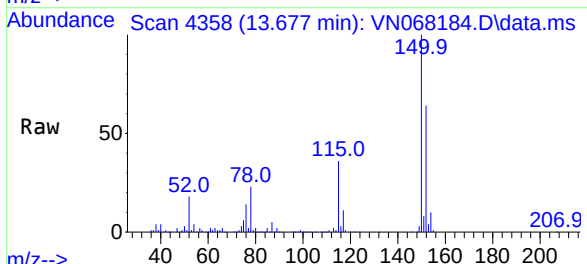
Instrument :
MSVOA_N
ClientSampled :

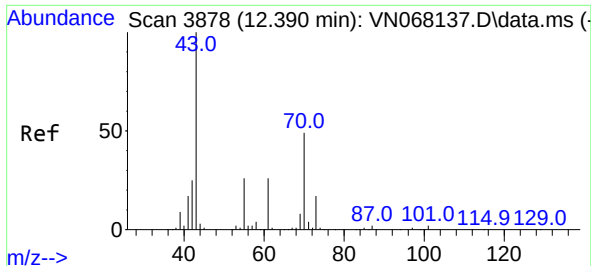
Tgt Ion:173 Resp: 1210
Ion Ratio Lower Upper
173 100
175 1504.6 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Tgt Ion:152 Resp: 280637
Ion Ratio Lower Upper
152 100
115 55.3 36.1 108.5
150 156.1 0.0 351.8

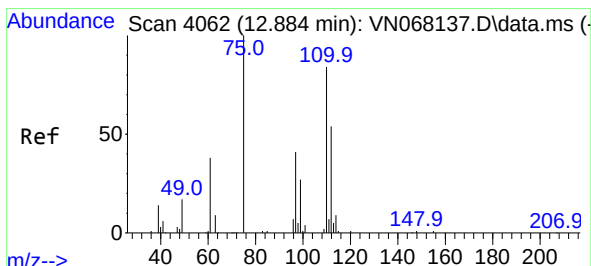
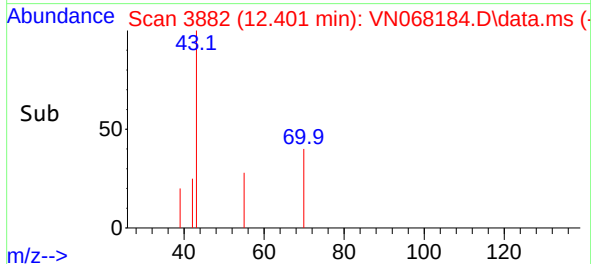
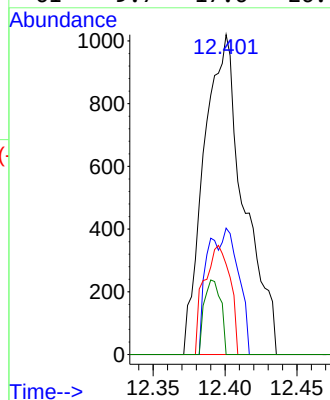
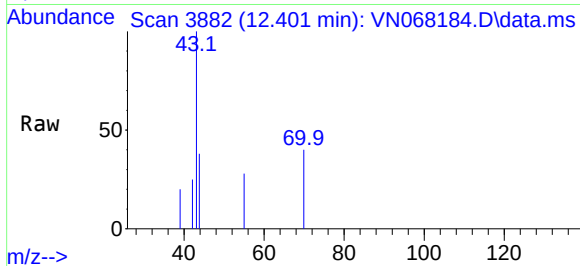




#74
N-amy1 acetate
Concen: 0.378 ug/l
RT: 12.401 min Scan# 3882
Delta R.T. 0.011 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

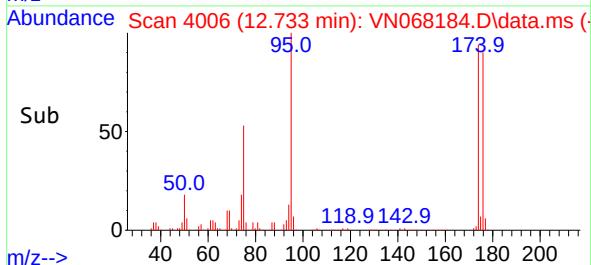
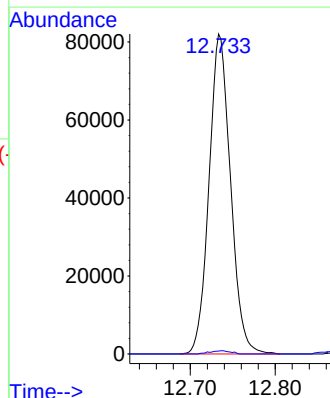
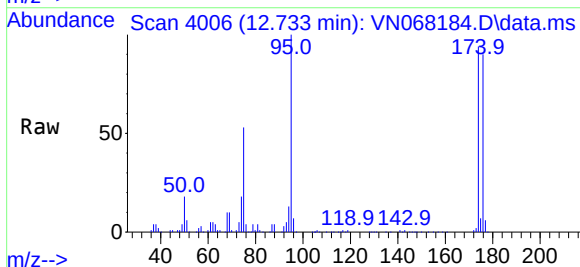
Instrument :
MSVOA_N
ClientSampled :

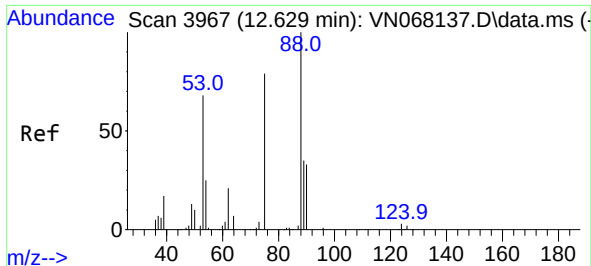
Tgt Ion: 43	Resp: 1962
Ion Ratio	Lower Upper
43 100	
70 13.3	29.4 44.2#
55 22.1	17.0 25.4
61 9.7	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 30.896 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Tgt Ion: 75	Resp: 144115
Ion Ratio	Lower Upper
75 100	
77 1.0	0.0 0.0#

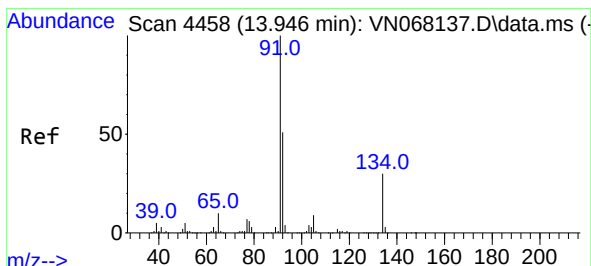
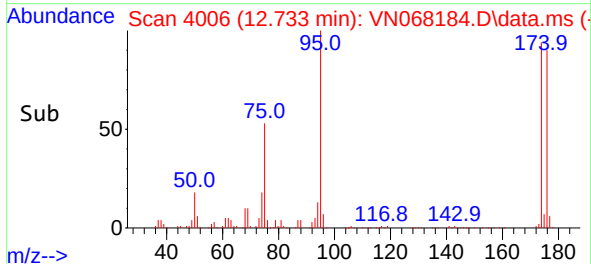
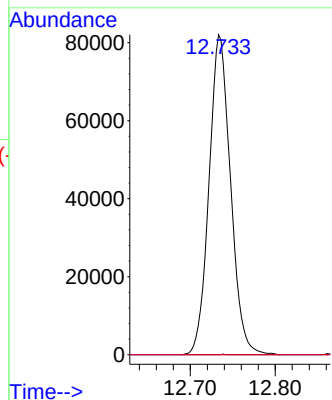
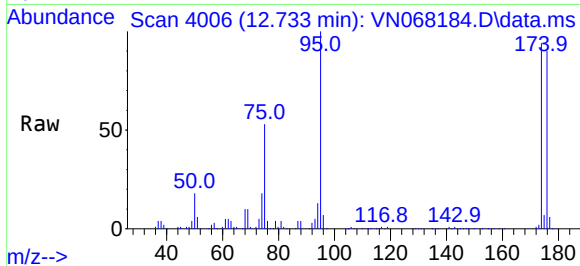




#81
trans-1,4-Dichloro-2-butene
Concen: 101.221 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

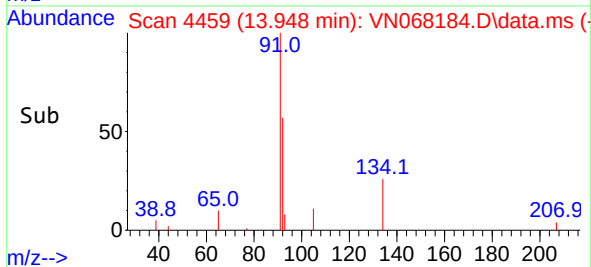
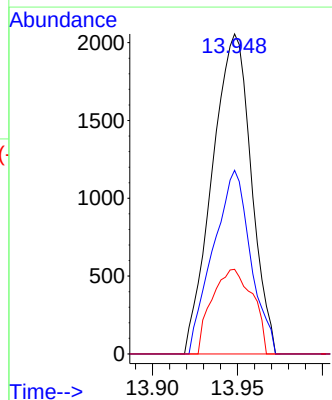
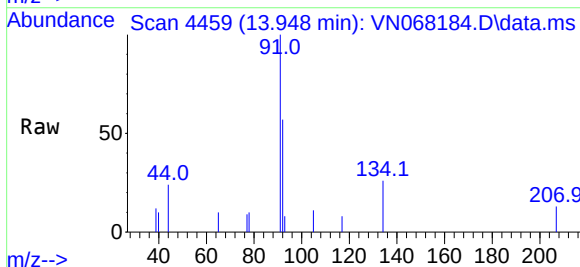
Instrument :
MSVOA_N
ClientSampled :

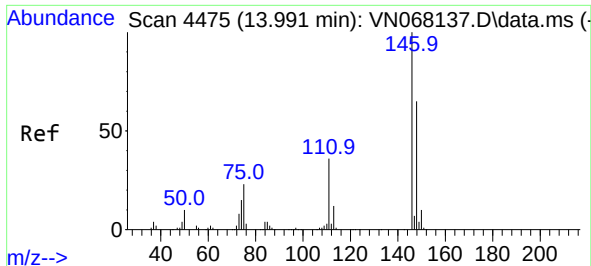
Tgt Ion: 75 Resp: 144115
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#89
n-Butylbenzene
Concen: 0.282 ug/l
RT: 13.948 min Scan# 4459
Delta R.T. 0.002 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Tgt Ion: 91 Resp: 3281
Ion Ratio Lower Upper
91 100
92 55.1 25.7 77.1
134 27.5 11.2 33.6

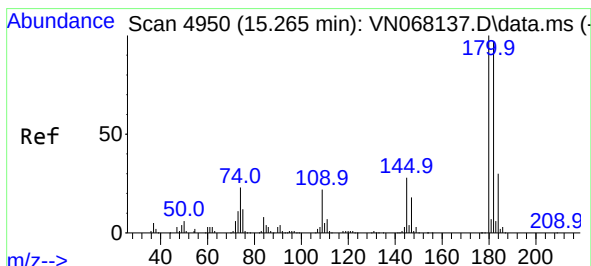
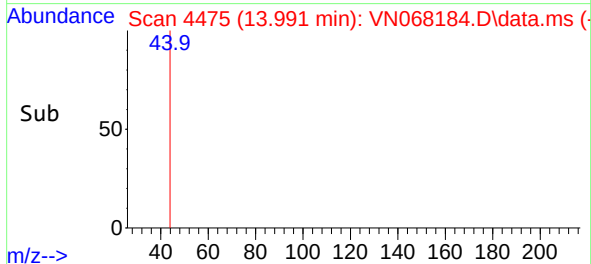
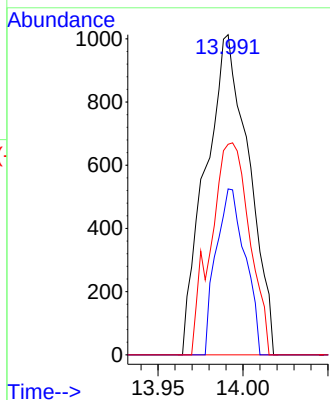
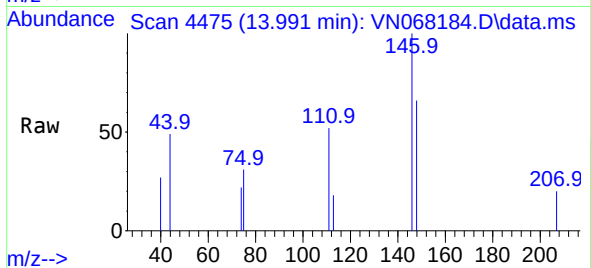




#91
1,2-Dichlorobenzene
Concen: 0.201 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

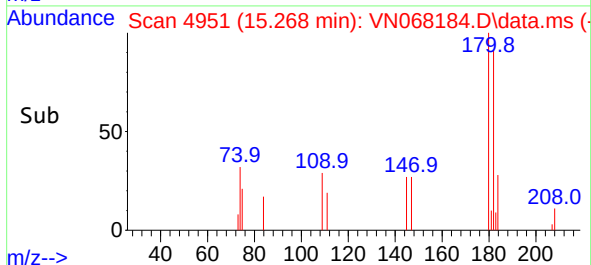
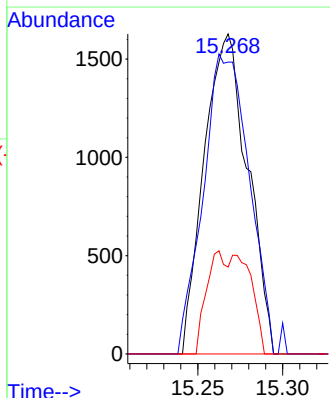
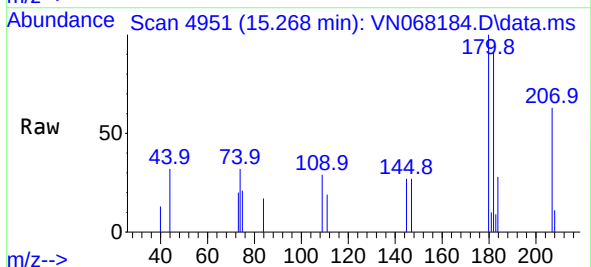
Instrument :
MSVOA_N
ClientSampled :

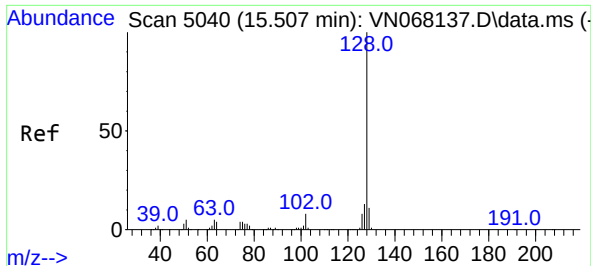
Tgt Ion:	146	Resp:	1795
Ion	Ratio	Lower	Upper
146	100		
111	34.8	24.9	74.6
148	59.3	31.6	95.0



#93
1,2,4-Trichlorobenzene
Concen: 3.271 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Tgt Ion:	180	Resp:	2898
Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.5	142.5
145	15.7	17.2	51.6#

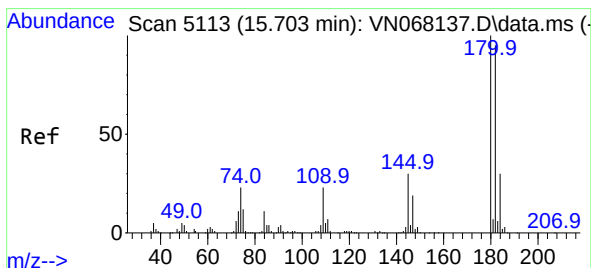
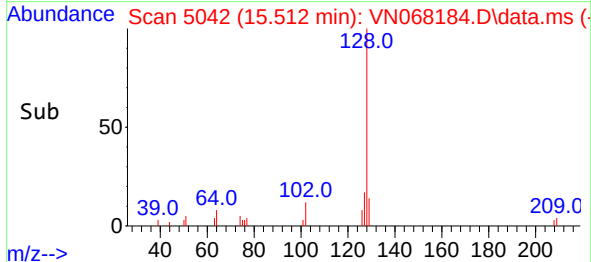
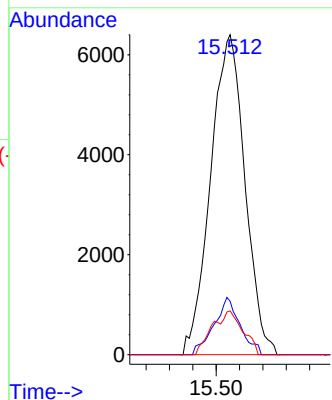
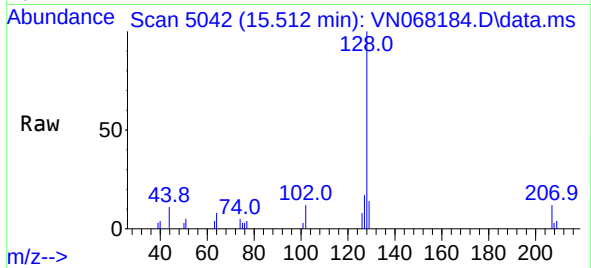




#95
Naphthalene
Concen: 4.450 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128	Resp:	13050
Ion Ratio	Lower	Upper
128	100	
127	13.6	10.6 15.8
129	12.2	8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.598 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.002 min
Lab File: VN068184.D
Acq: 18 Aug 2021 11:12

Tgt Ion:180	Resp:	3611
Ion Ratio	Lower	Upper
180	100	
182	92.1	47.8 143.3
145	32.7	18.2 54.6

