

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082021\
 Data File : VN068250.D
 Acq On : 20 Aug 2021 17:16
 Operator : JC/MD
 Sample : M3468-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 23:59:37 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)

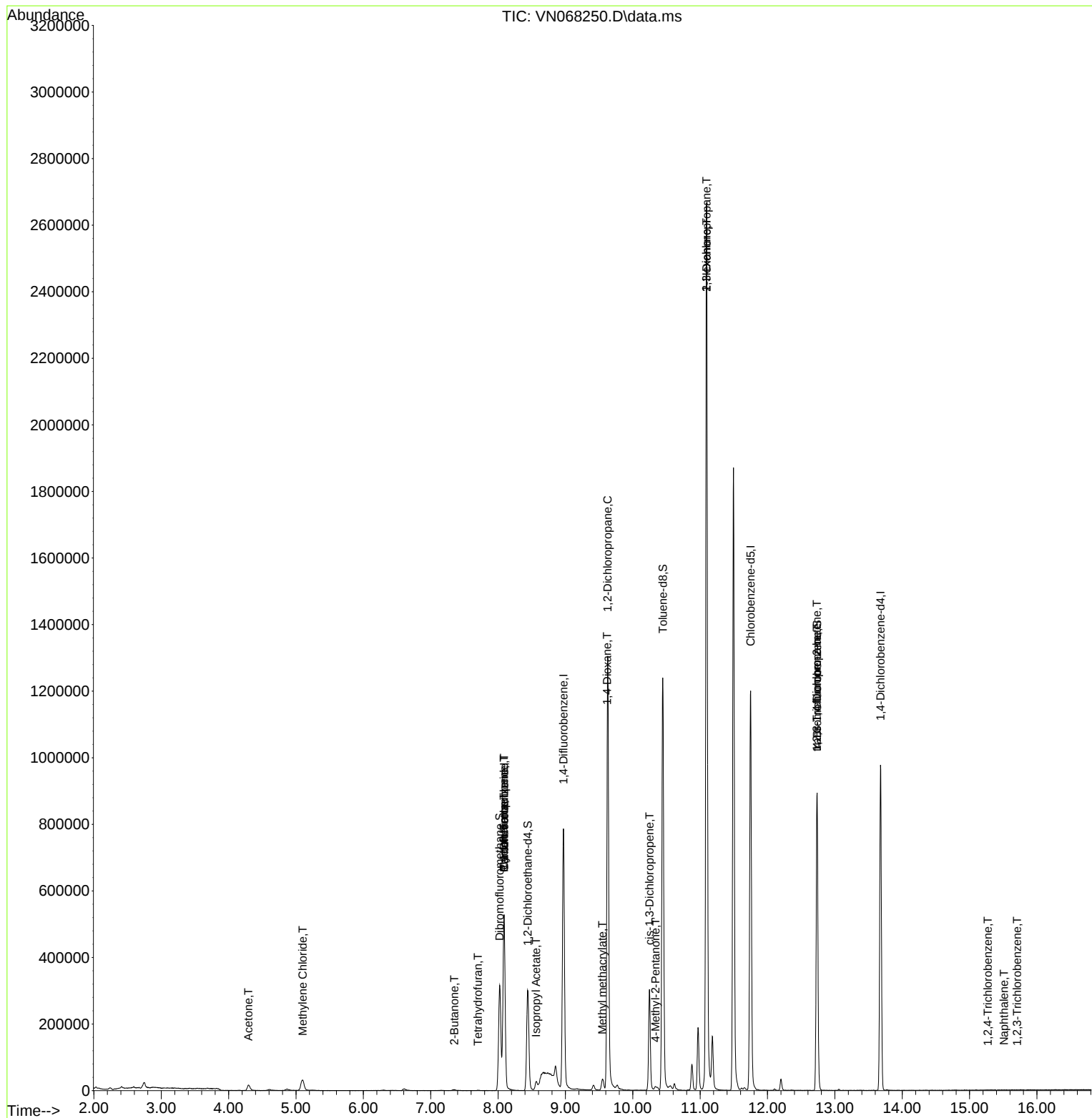
Internal Standards						
1) Pentafluorobenzene	8.091	168	430905	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	755514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	788211	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	293845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	256604	55.773	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	111.540%	
35) Dibromofluoromethane	8.024	113	233713	49.272	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	98.540%	
50) Toluene-d8	10.446	98	931950	51.564	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	103.120%	
62) 4-Bromofluorobenzene	12.736	95	303724	50.481	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	100.960%	
Target Compounds						
						Qvalue
5) Bromomethane	2.866	94	725	Below Cal		83
6) Chloroethane	2.990	64	60	Below Cal	#	44
13) Acrolein	4.041	56	158	Below Cal	#	14
16) Acetone	4.293	43	30834	22.954	ug/l #	90
18) Methyl Acetate	4.867	43	8035	Below Cal	#	90
20) Methylene Chloride	5.098	84	28197	5.703	ug/l #	79
25) 2-Butanone	7.351	43	1790	0.855	ug/l	99
29) Tetrahydrofuran	7.699	42	567	0.424	ug/l #	64
31) Cyclohexane	8.088	56	7888	1.302	ug/l #	5
36) 1,1-Dichloropropene	8.088	75	27120	4.391	ug/l #	52
38) Carbon Tetrachloride	8.091	117	41106	5.771	ug/l #	16
43) Isopropyl Acetate	8.566	43	31174	3.699	ug/l #	90
45) 1,2-Dichloropropane	9.628	63	1681	0.379	ug/l #	44
48) Methyl methacrylate	9.550	41	7956	2.265	ug/l #	12
49) 1,4-Dioxane	9.620	88	85	1.001	ug/l #	20
51) 4-Methyl-2-Pentanone	10.336	43	5583	1.078	ug/l #	77
54) cis-1,3-Dichloropropene	10.247	75	59179	8.274	ug/l #	55
57) 1,3-Dichloropropane	11.095	76	31318	3.959	ug/l #	43
59) 2-Hexanone	11.095	43	386167	107.423	ug/l #	57
76) 1,2,3-Trichloropropane	12.733	75	154556	31.645	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	154556	103.675	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.271	180	267	2.737	ug/l #	43
95) Naphthalene	15.509	128	885	3.416	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.705	180	108	2.853	ug/l #	30

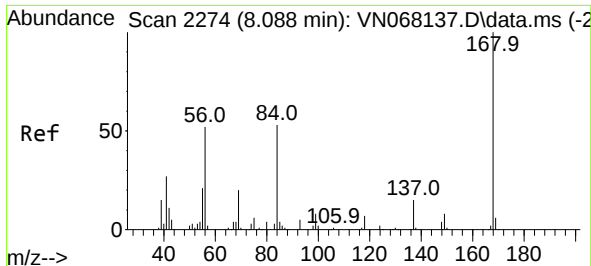
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration

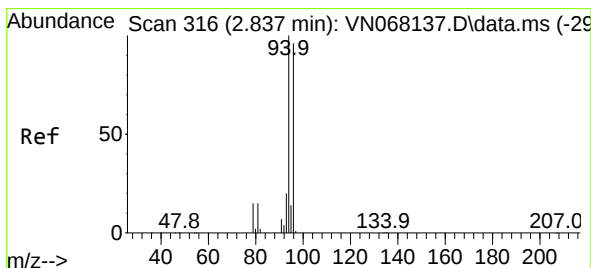
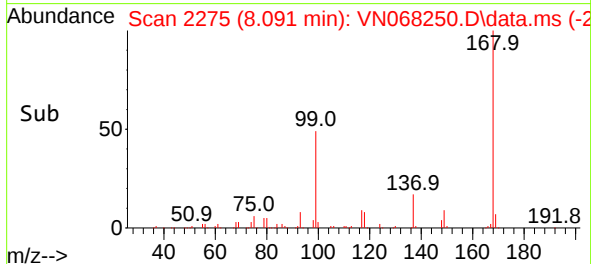
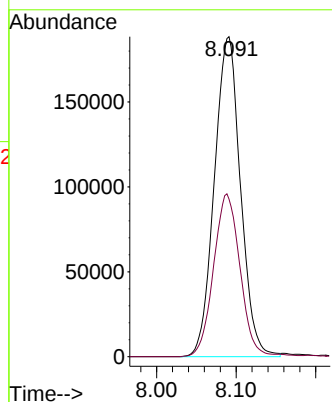
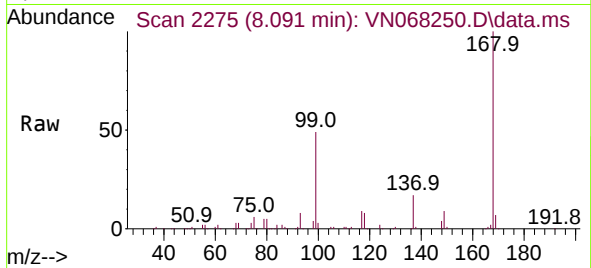




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

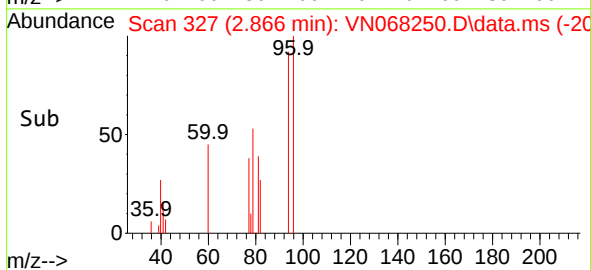
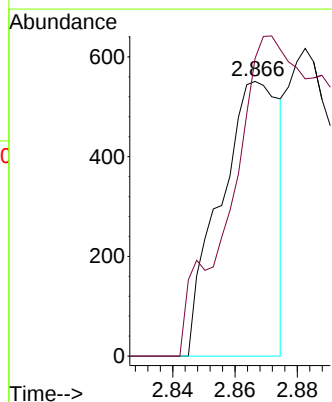
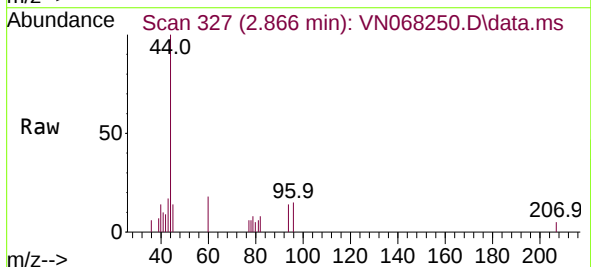
Instrument :
MSVOA_N
ClientSampled :

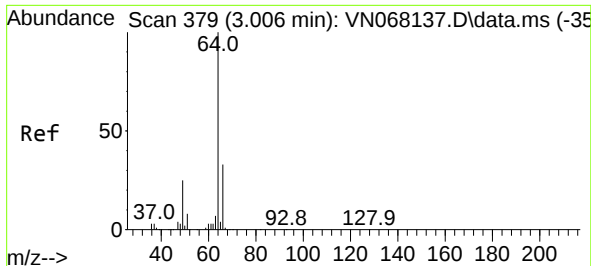
Tgt Ion:168 Resp: 430905
Ion Ratio Lower Upper
168 100
99 49.3 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.866 min Scan# 327
Delta R.T. 0.029 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

Tgt Ion: 94 Resp: 725
Ion Ratio Lower Upper
94 100
96 108.3 73.7 110.5

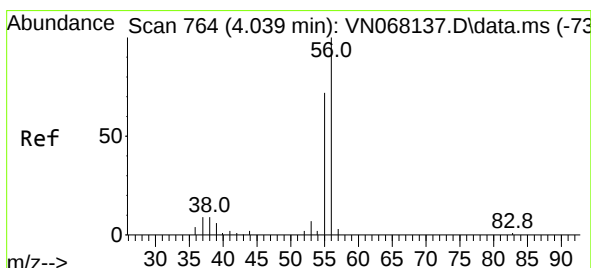
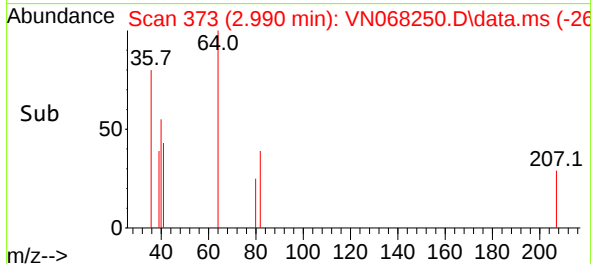
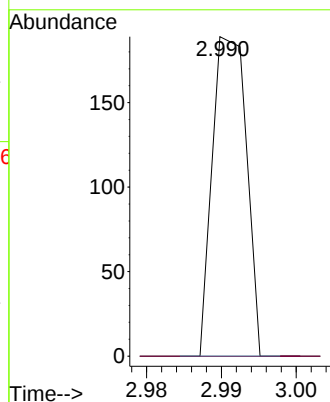
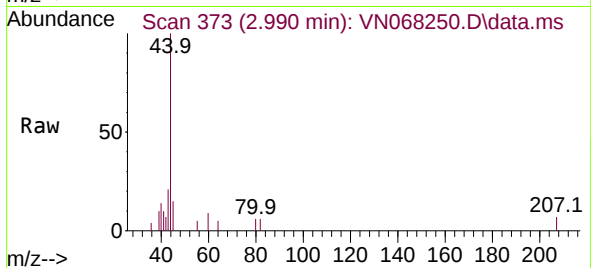




#6
Chloroethane
Concen: Below Cal
RT: 2.990 min Scan# 373
Delta R.T. -0.016 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

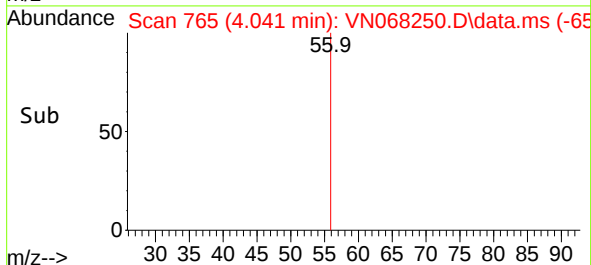
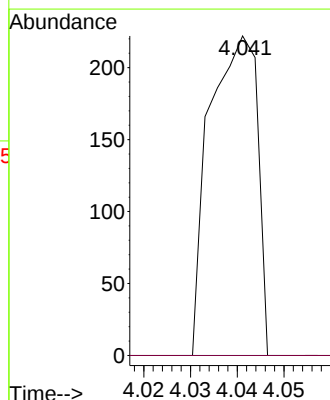
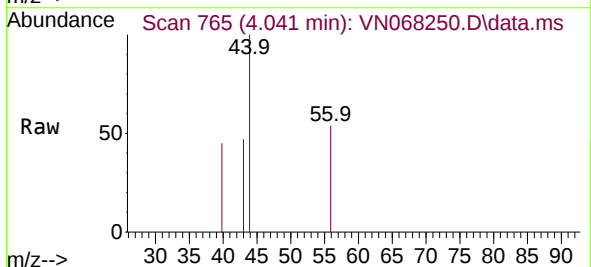
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 64 Resp: 60
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: VN068250.D
Acq: 20 Aug 2021 17:16

Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

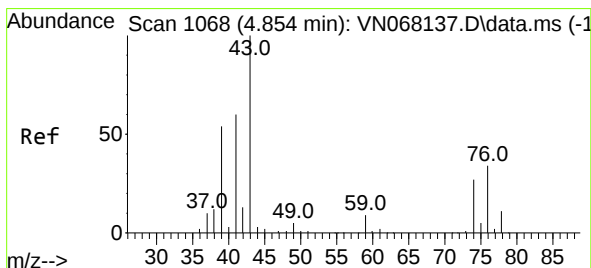
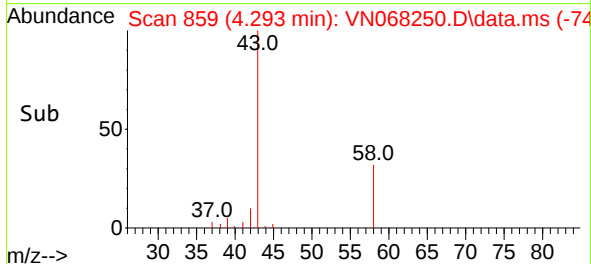
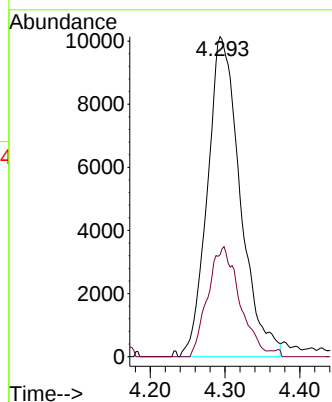
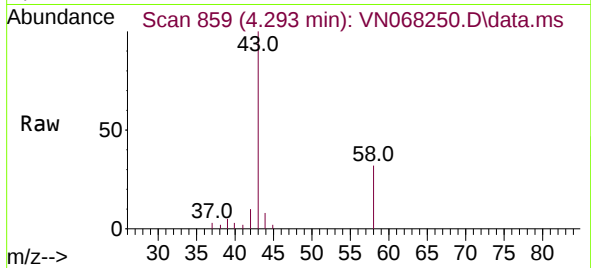




#16
Acetone
Concen: 22.954 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

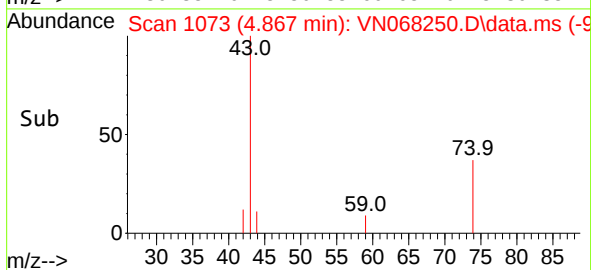
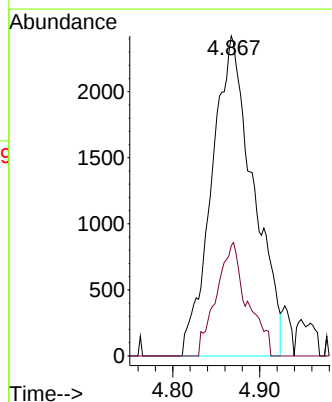
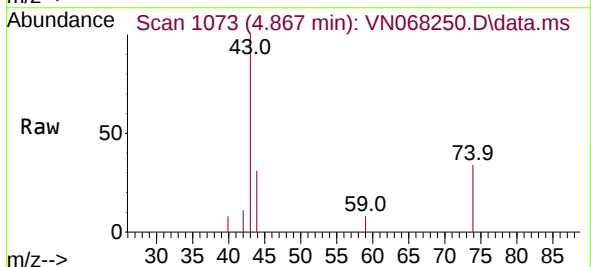
Instrument :
MSVOA_N
ClientSampled :

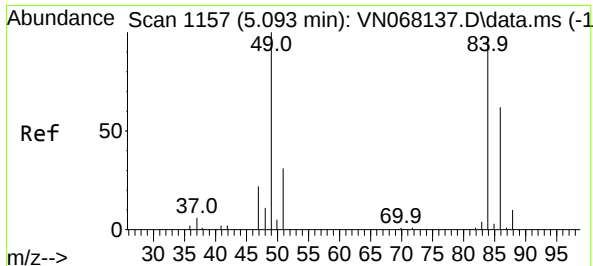
Tgt Ion: 43 Resp: 30834
Ion Ratio Lower Upper
43 100
58 31.9 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

Tgt Ion: 43 Resp: 8035
Ion Ratio Lower Upper
43 100
74 26.3 17.4 26.0#

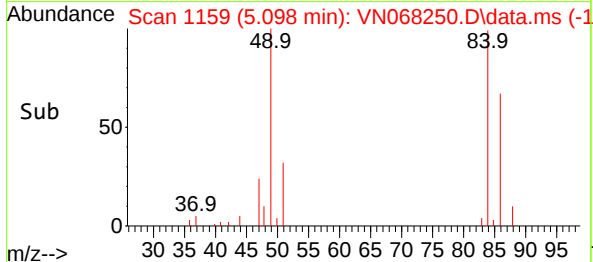
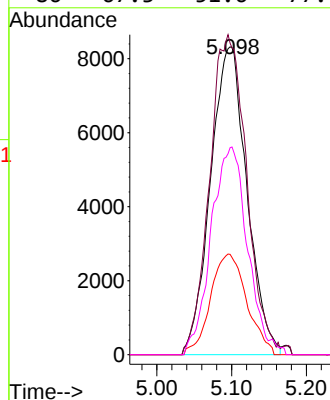
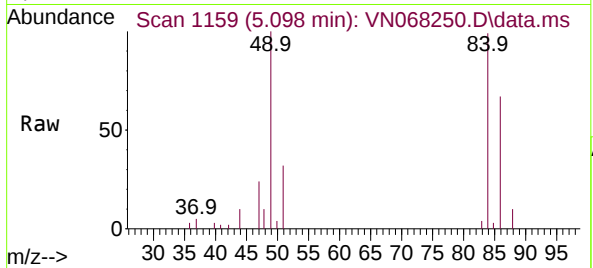




#20
Methylene Chloride
Concen: 5.703 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

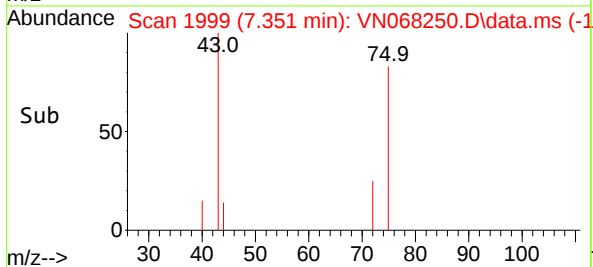
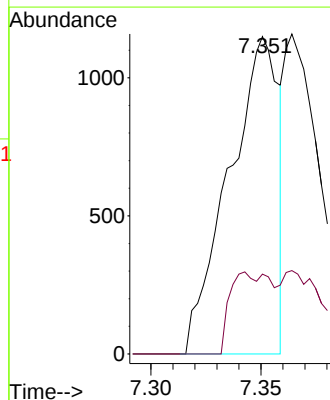
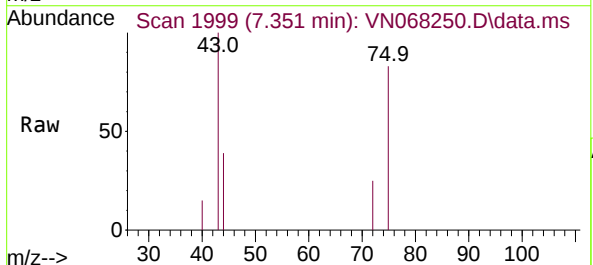
Instrument :
MSVOA_N
ClientSampled :

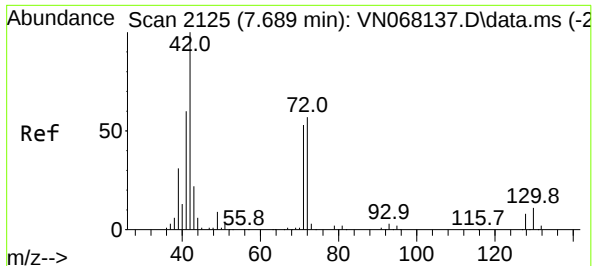
Tgt Ion:	84	Resp:	28197
Ion	Ratio	Lower	Upper
84	100		
49	101.2	110.9	166.3#
51	32.6	32.6	49.0#
86	67.3	51.6	77.4



#25
2-Butanone
Concen: 0.855 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.011 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

Tgt Ion:	43	Resp:	1790
Ion	Ratio	Lower	Upper
43	100		
72	25.1	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.424 ug/l

RT: 7.699 min Scan# 2129

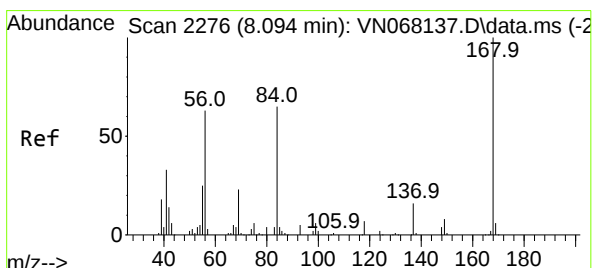
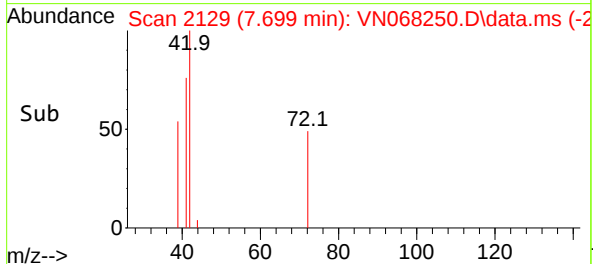
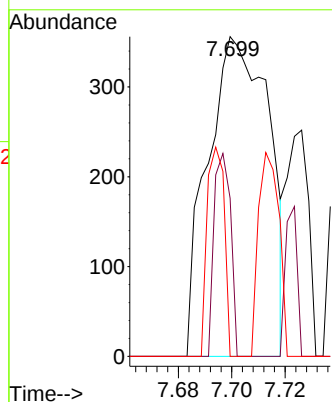
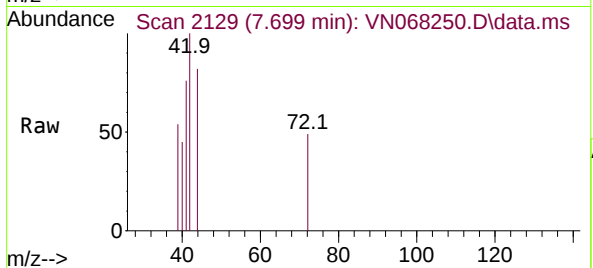
Delta R.T. 0.010 min

Lab File: VN068250.D

Acq: 20 Aug 2021 17:16

Tgt Ion:	42	Resp:	567
Ion	Ratio	Lower	Upper
42	100		
72	17.1	32.8	49.2#
71	18.2	31.2	46.8#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.302 ug/l

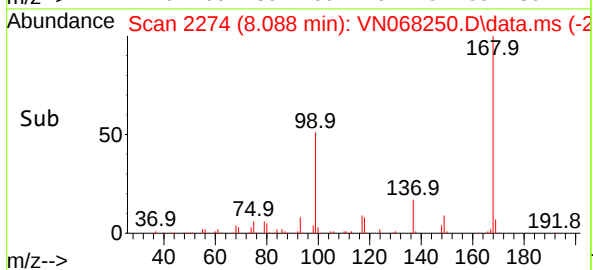
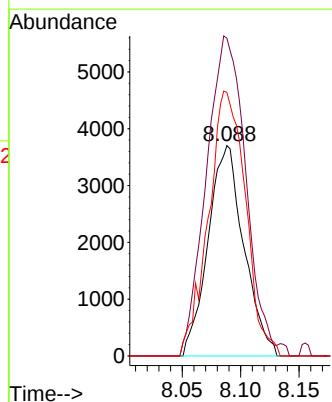
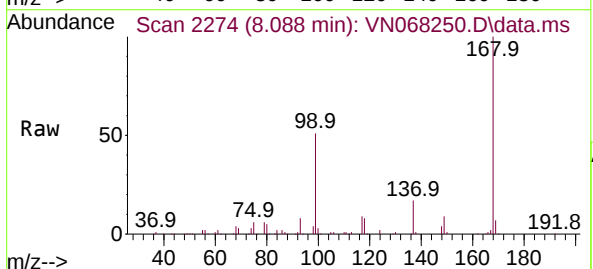
RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN068250.D

Acq: 20 Aug 2021 17:16

Tgt Ion:	56	Resp:	7888
Ion	Ratio	Lower	Upper
56	100		
69	151.1	27.3	40.9#
84	125.3	64.9	97.3#

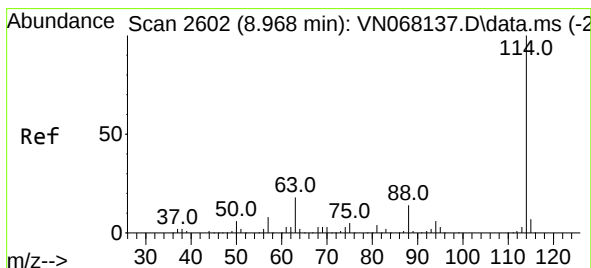
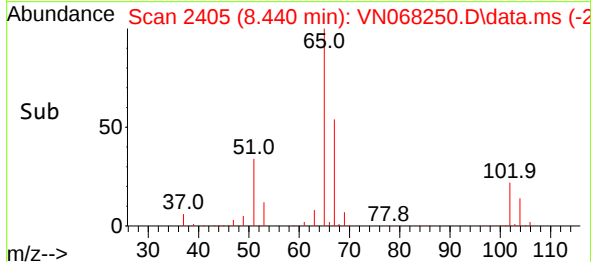
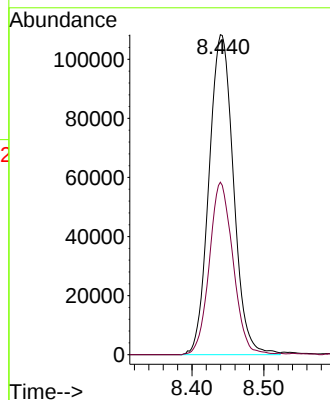
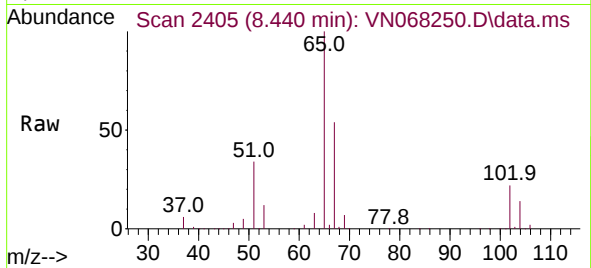




#33
 1,2-Dichloroethane-d4
 Concen: 55.773 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068250.D
 Acq: 20 Aug 2021 17:16

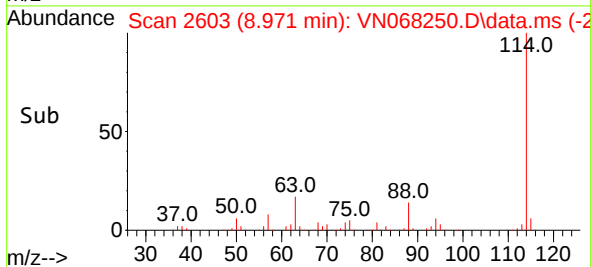
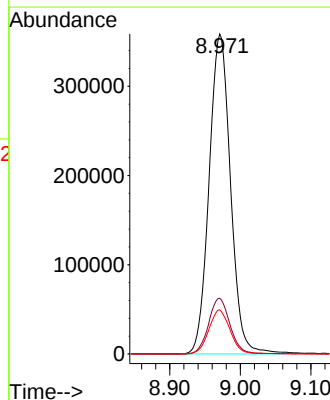
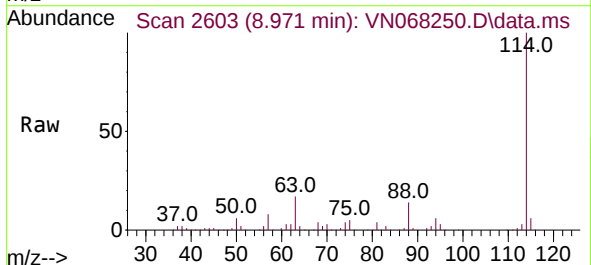
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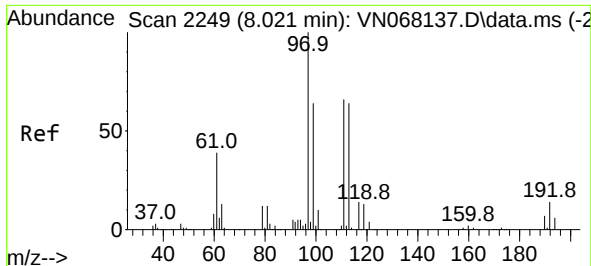
Tgt Ion: 65 Resp: 256604
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068250.D
 Acq: 20 Aug 2021 17:16

Tgt Ion: 114 Resp: 755514
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 49.0
 88 13.8 0.0 36.6

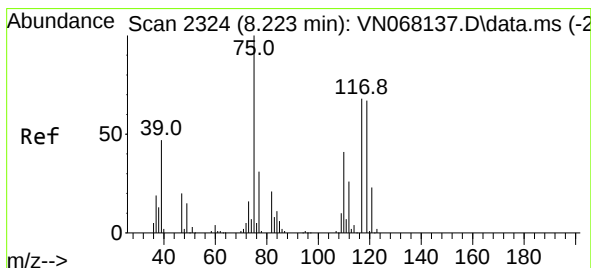
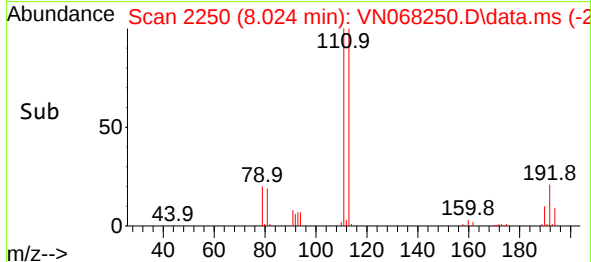
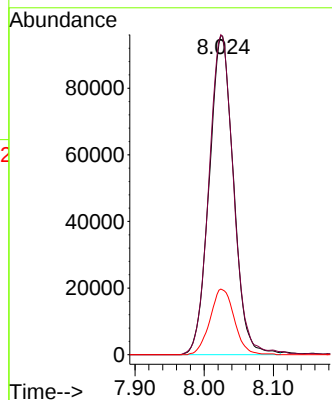
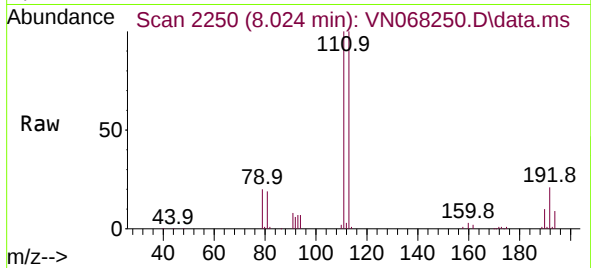




#35
Dibromofluoromethane
Concen: 49.272 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

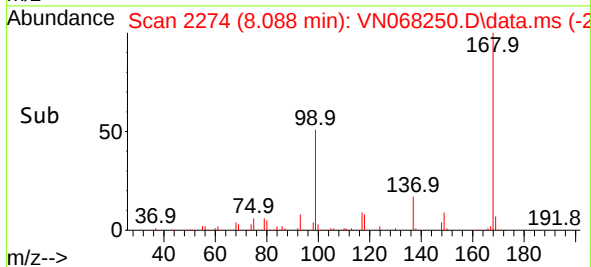
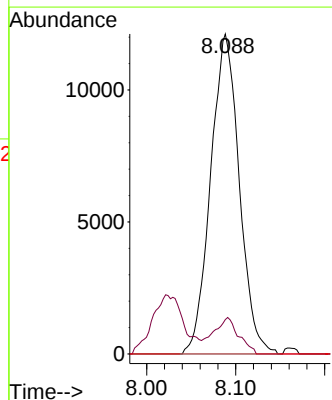
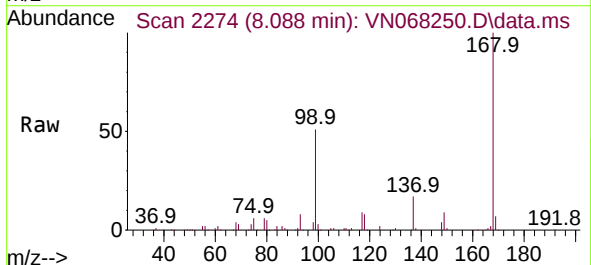
Instrument :
MSVOA_N
ClientSampled :

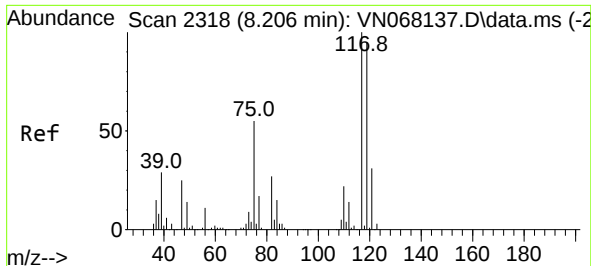
Tgt Ion:113 Resp: 233713
Ion Ratio Lower Upper
113 100
111 100.8 83.8 125.8
192 20.5 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.391 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

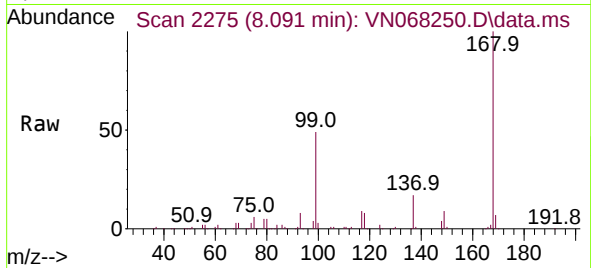
Tgt Ion: 75 Resp: 27120
Ion Ratio Lower Upper
75 100
110 9.8 15.7 47.0#
77 0.0 24.6 37.0#



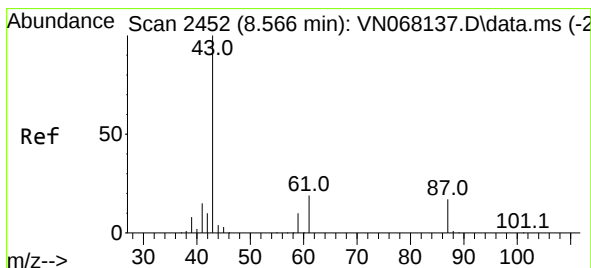
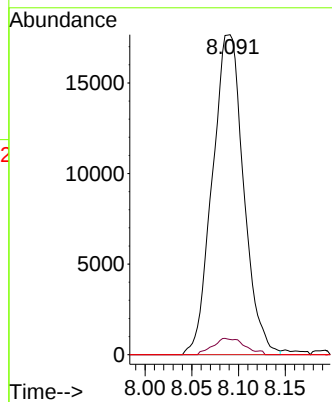
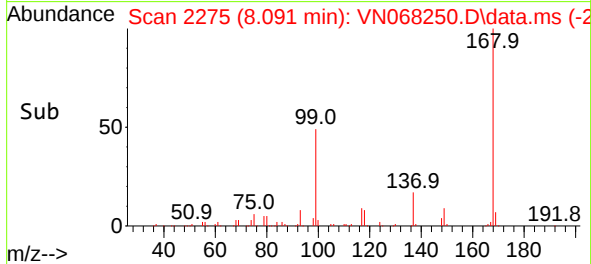


#38
Carbon Tetrachloride
Concen: 5.771 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

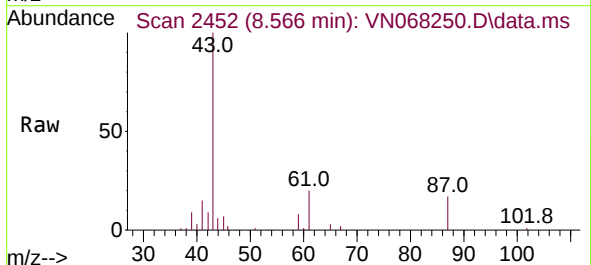
Instrument :
MSVOA_N
ClientSampled :



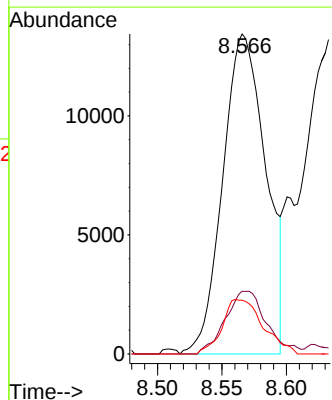
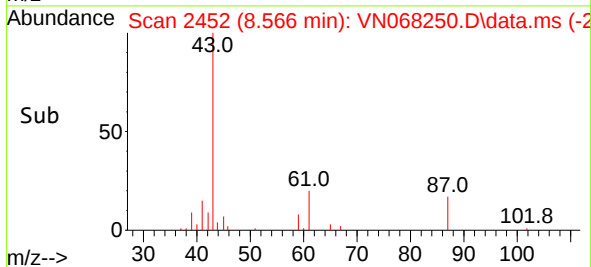
Tgt Ion:117 Resp: 41106
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 23.5 35.3#

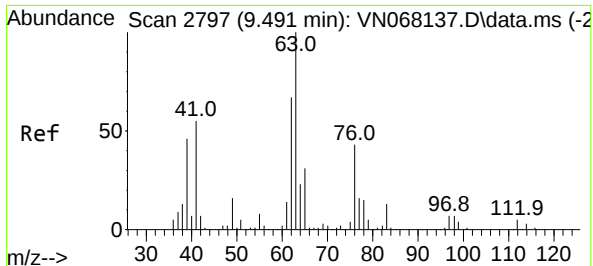


#43
Isopropyl Acetate
Concen: 3.699 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16



Tgt Ion: 43 Resp: 31174
Ion Ratio Lower Upper
43 100
61 18.8 19.0 28.4#
87 16.2 9.5 14.3#

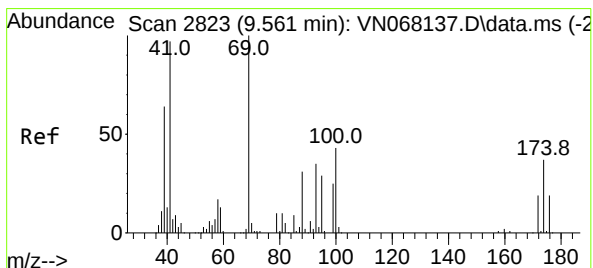
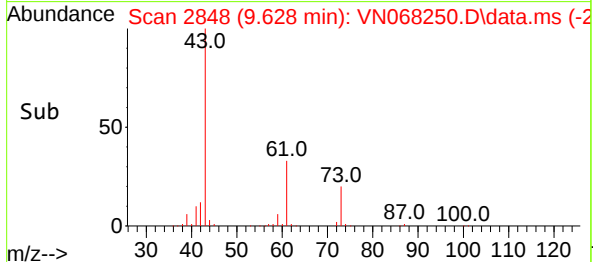
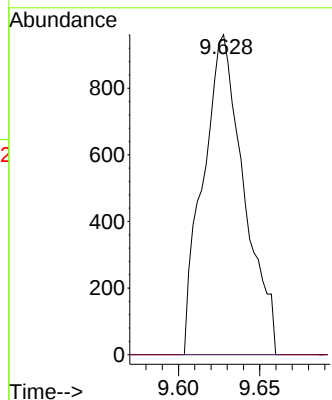
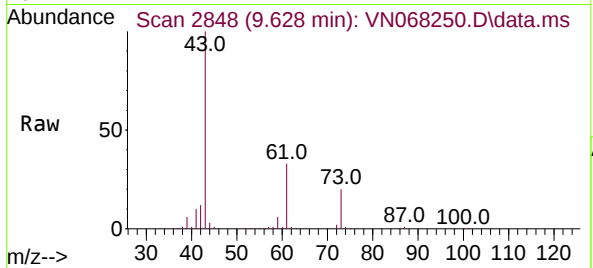




#45
1,2-Dichloropropane
Concen: 0.379 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

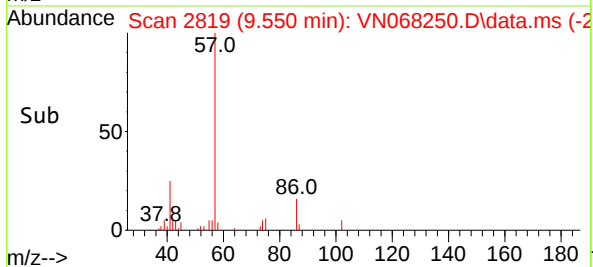
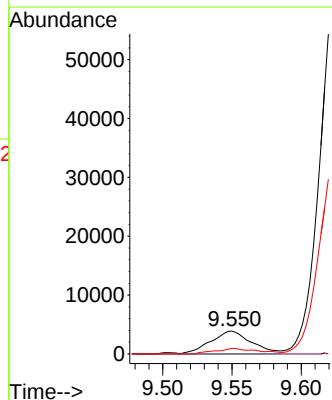
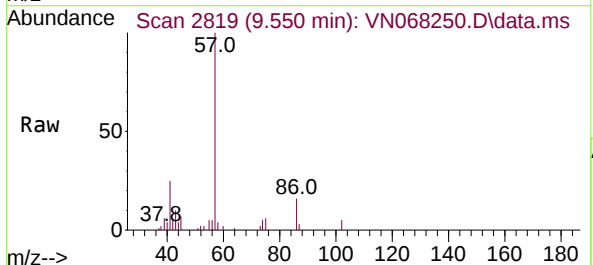
Instrument :
MSVOA_N
ClientSampled :

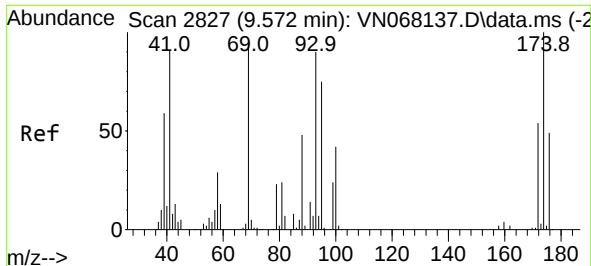
Tgt Ion: 63 Resp: 1681
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.265 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

Tgt Ion: 41 Resp: 7956
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

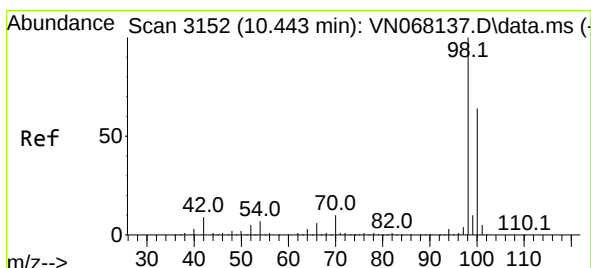
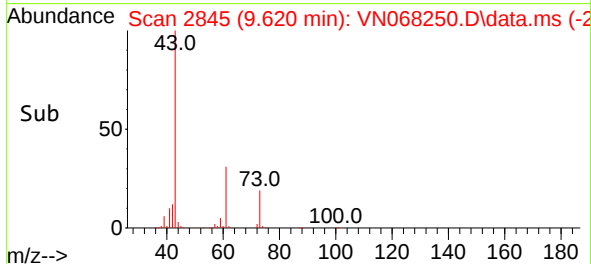
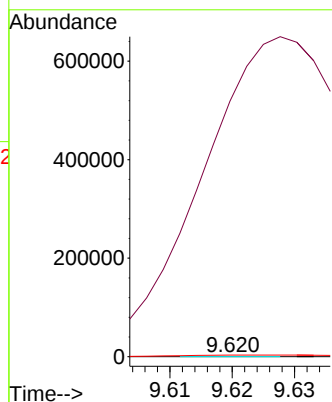
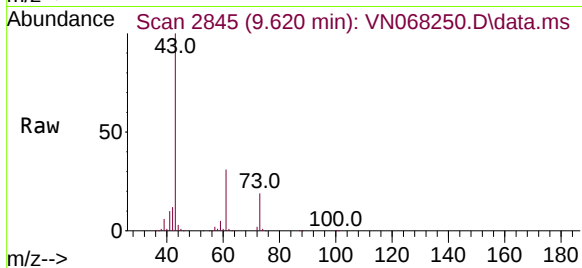




#49
1,4-Dioxane
Concen: 1.001 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.048 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

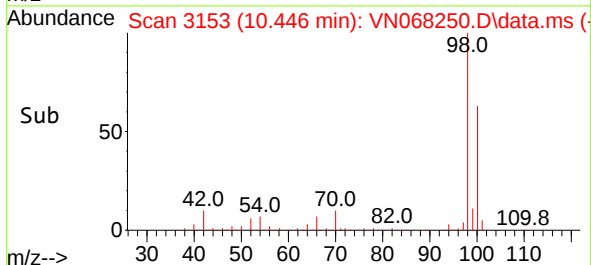
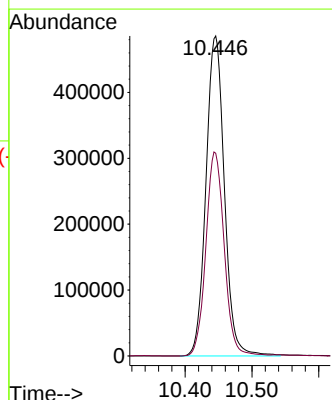
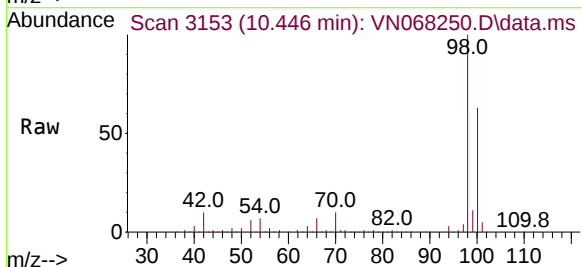
Instrument :
MSVOA_N
ClientSampled :

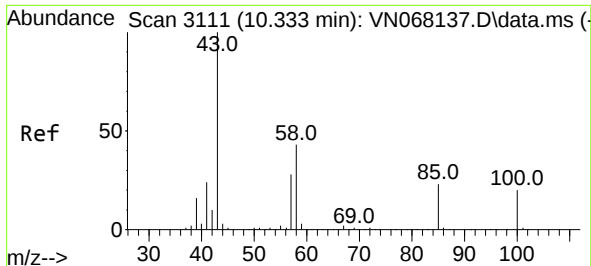
Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 51.564 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

Tgt Ion: 98 Resp: 931950
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

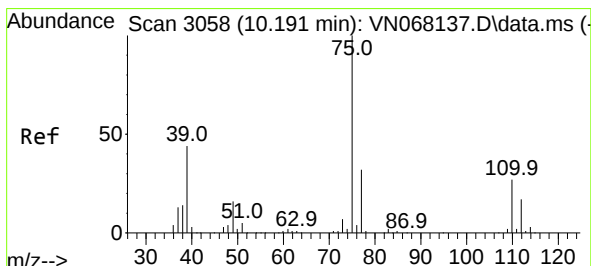
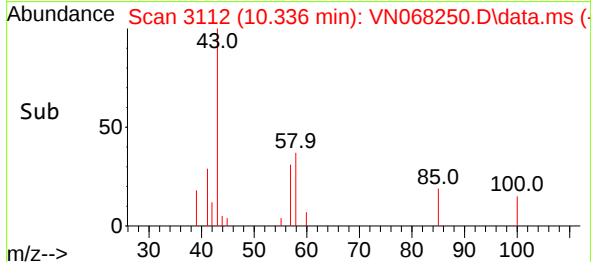
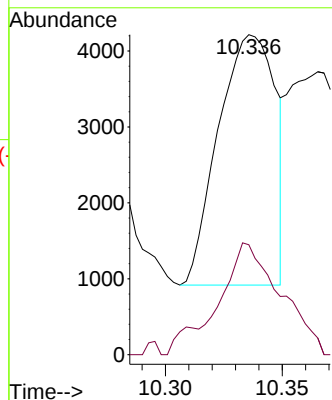
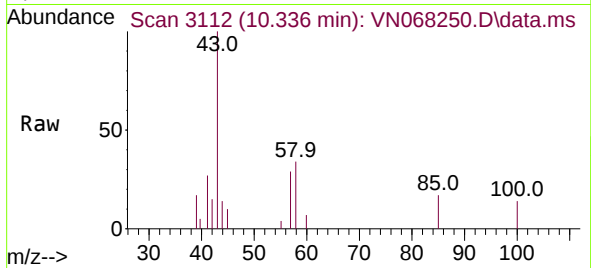




#51
4-Methyl-2-Pentanone
Concen: 1.078 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

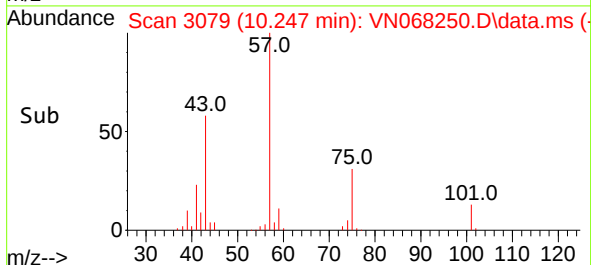
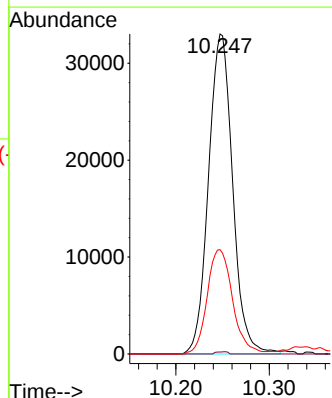
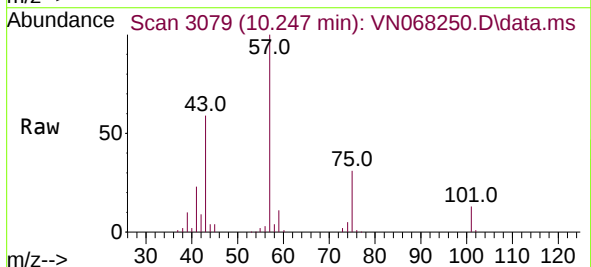
Instrument :
MSVOA_N
ClientSampled :

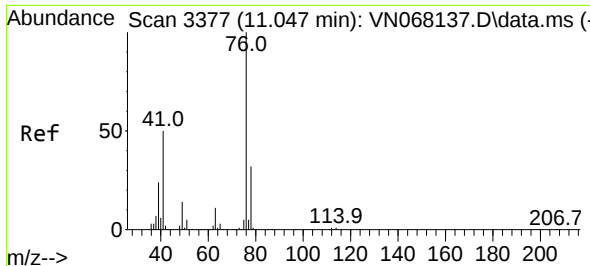
Tgt Ion: 43 Resp: 5583
Ion Ratio Lower Upper
43 100
58 49.3 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 8.274 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

Tgt Ion: 75 Resp: 59179
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 32.6 50.7 76.1#

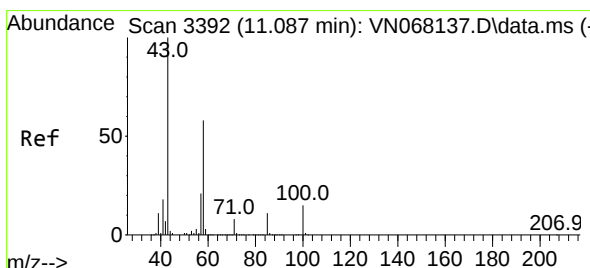
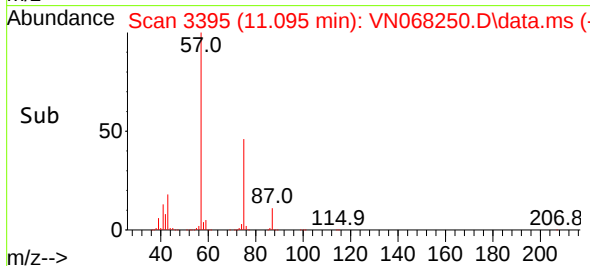
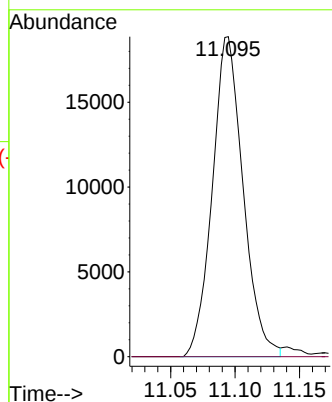
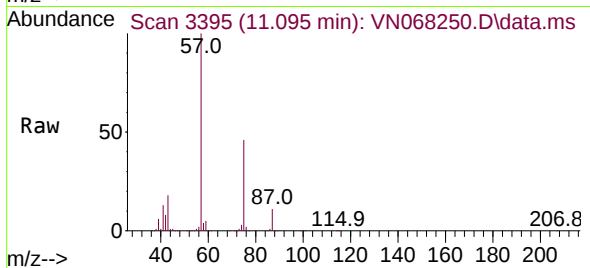




#57
1,3-Dichloropropane
Concen: 3.959 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

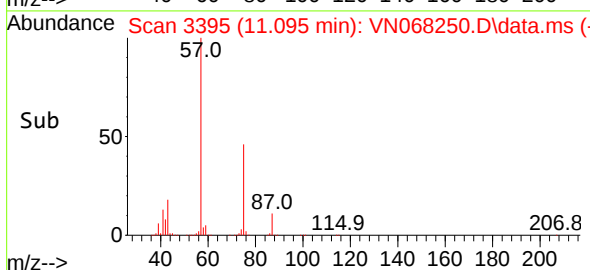
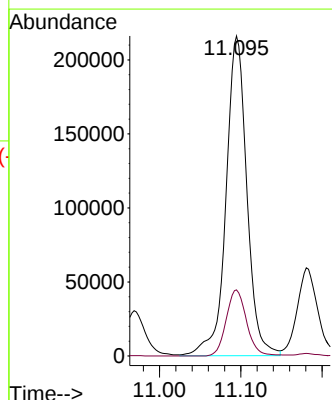
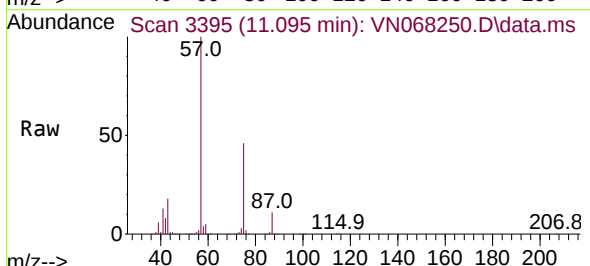
Instrument :
MSVOA_N
ClientSampled :

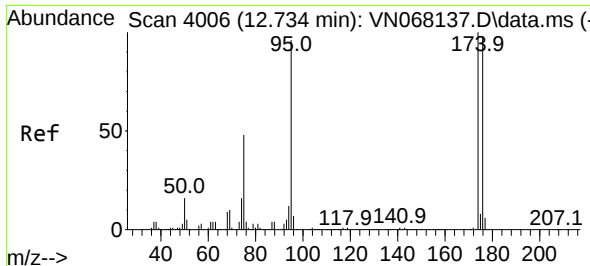
Tgt Ion: 76 Resp: 31318
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 107.423 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

Tgt Ion: 43 Resp: 386167
Ion Ratio Lower Upper
43 100
58 20.2 24.7 74.1#

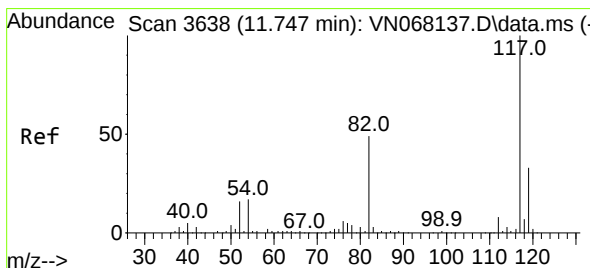
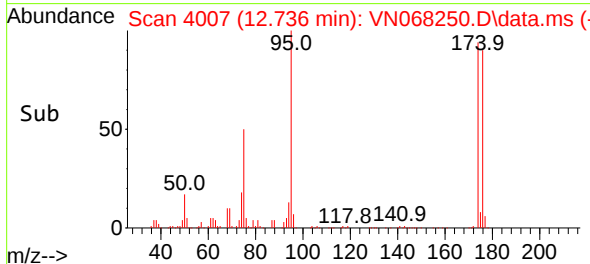
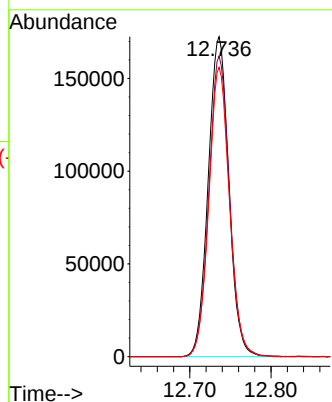
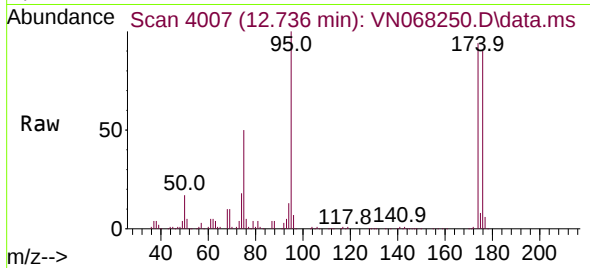




#62
4-Bromofluorobenzene
Concen: 50.481 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

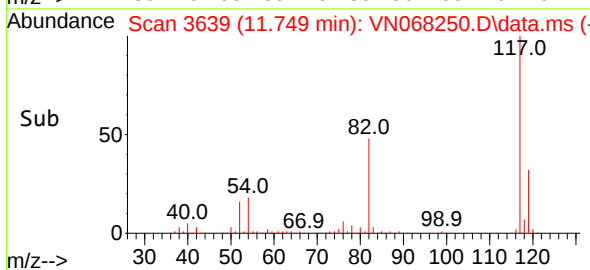
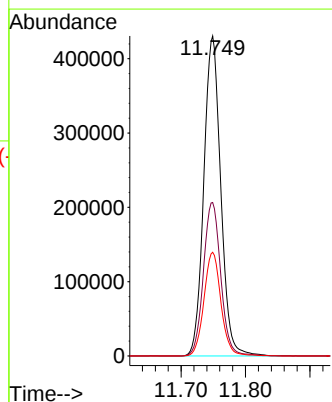
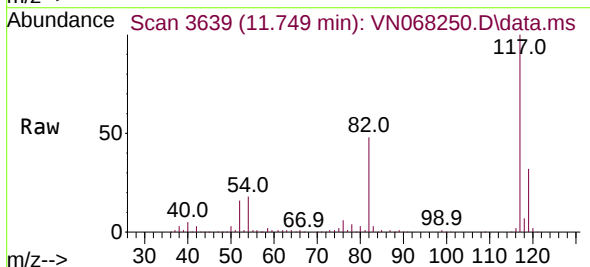
Instrument :
MSVOA_N
ClientSampleId :

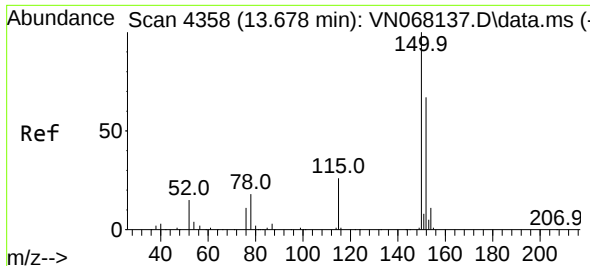
Tgt Ion: 95 Resp: 303724
Ion Ratio Lower Upper
95 100
174 94.7 0.0 122.0
176 90.4 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

Tgt Ion: 117 Resp: 788211
Ion Ratio Lower Upper
117 100
82 48.0 53.1 79.7#
119 32.4 25.5 38.3

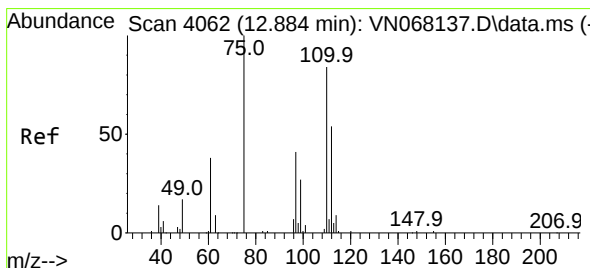
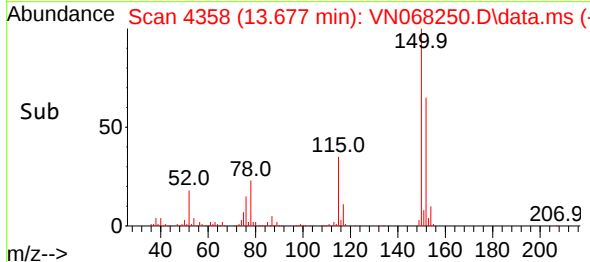
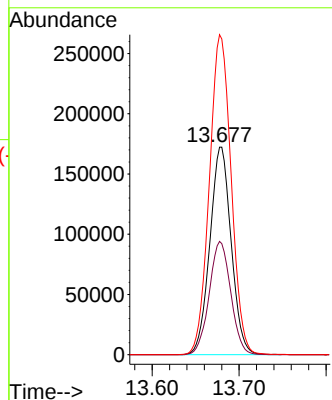
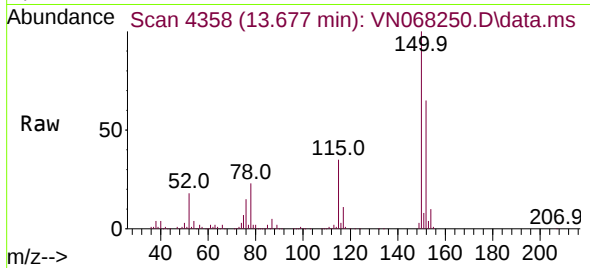




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

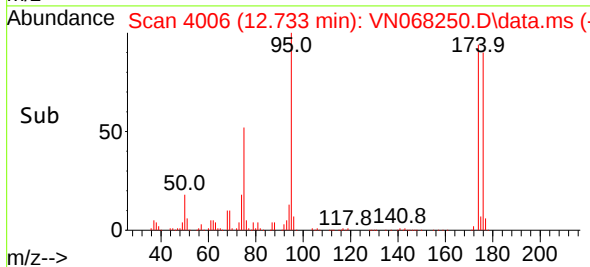
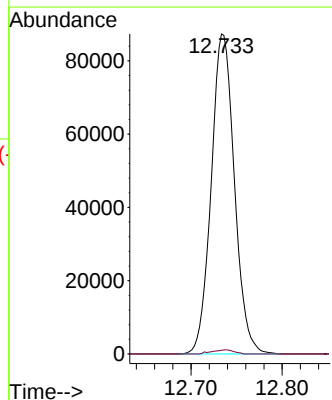
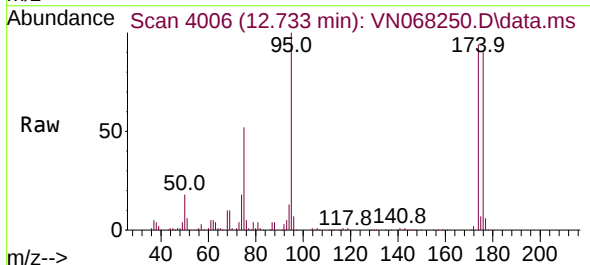
Instrument :
MSVOA_N
ClientSampled :

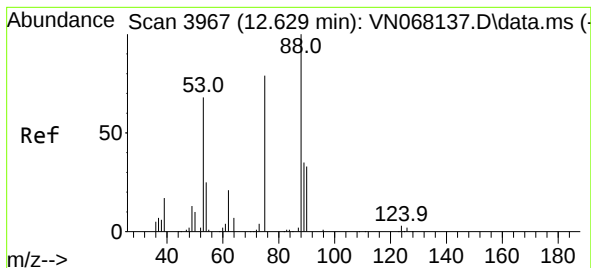
Tgt Ion:152 Resp: 293845
Ion Ratio Lower Upper
152 100
115 55.0 36.1 108.5
150 157.4 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 31.645 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

Tgt Ion: 75 Resp: 154556
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

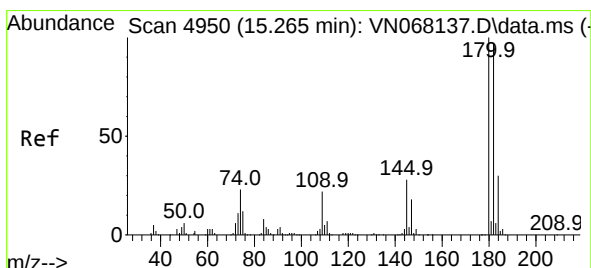
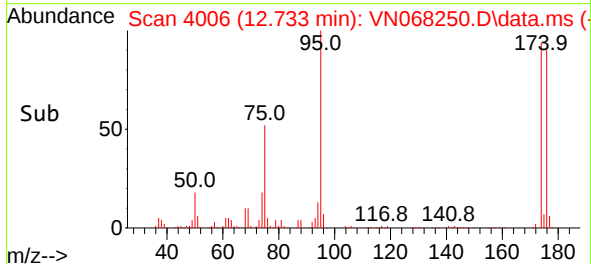
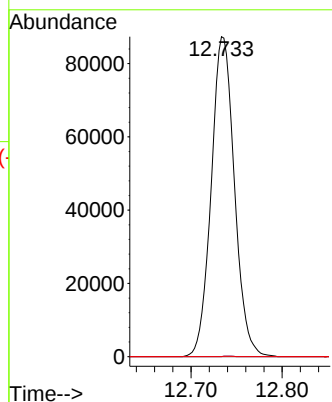
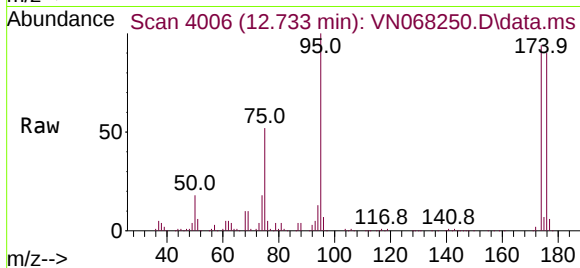




#81
trans-1,4-Dichloro-2-butene
Concen: 103.675 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

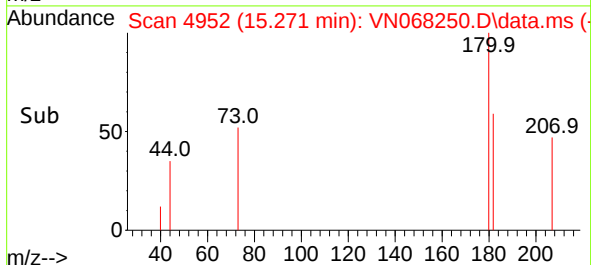
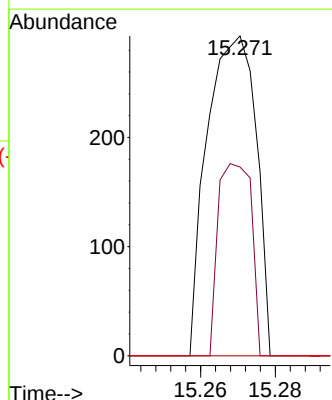
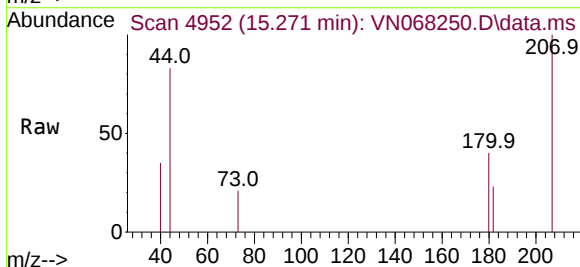
Instrument :
MSVOA_N
ClientSampled :

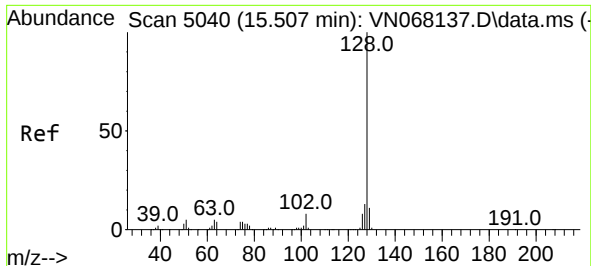
Tgt Ion: 75 Resp: 154556
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.737 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

Tgt Ion:180 Resp: 267
Ion Ratio Lower Upper
180 100
182 40.4 47.5 142.5#
145 0.0 17.2 51.6#

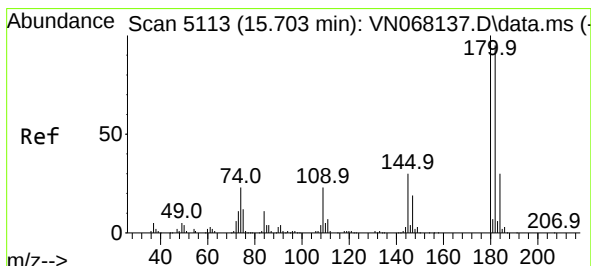
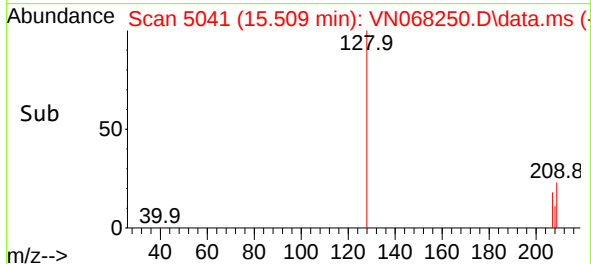
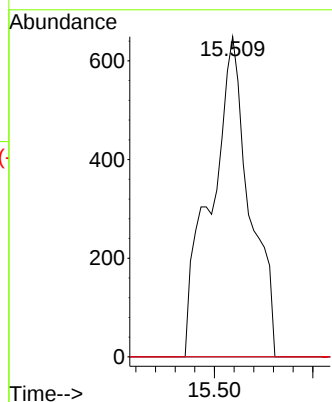
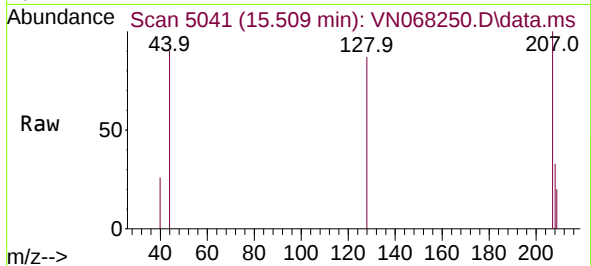




#95
Naphthalene
Concen: 3.416 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128	Resp:	885
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 15.8#
129	0.0	8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.853 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.002 min
Lab File: VN068250.D
Acq: 20 Aug 2021 17:16

Tgt Ion:180	Resp:	108
Ion Ratio	Lower	Upper
180	100	
182	24.1	47.8 143.3#
145	0.0	18.2 54.6#

