

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068201.D
 Acq On : 18 Aug 2021 18:29
 Operator : JC/MD
 Sample : M3449-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP5

Quant Time: Aug 19 03:08:03 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)

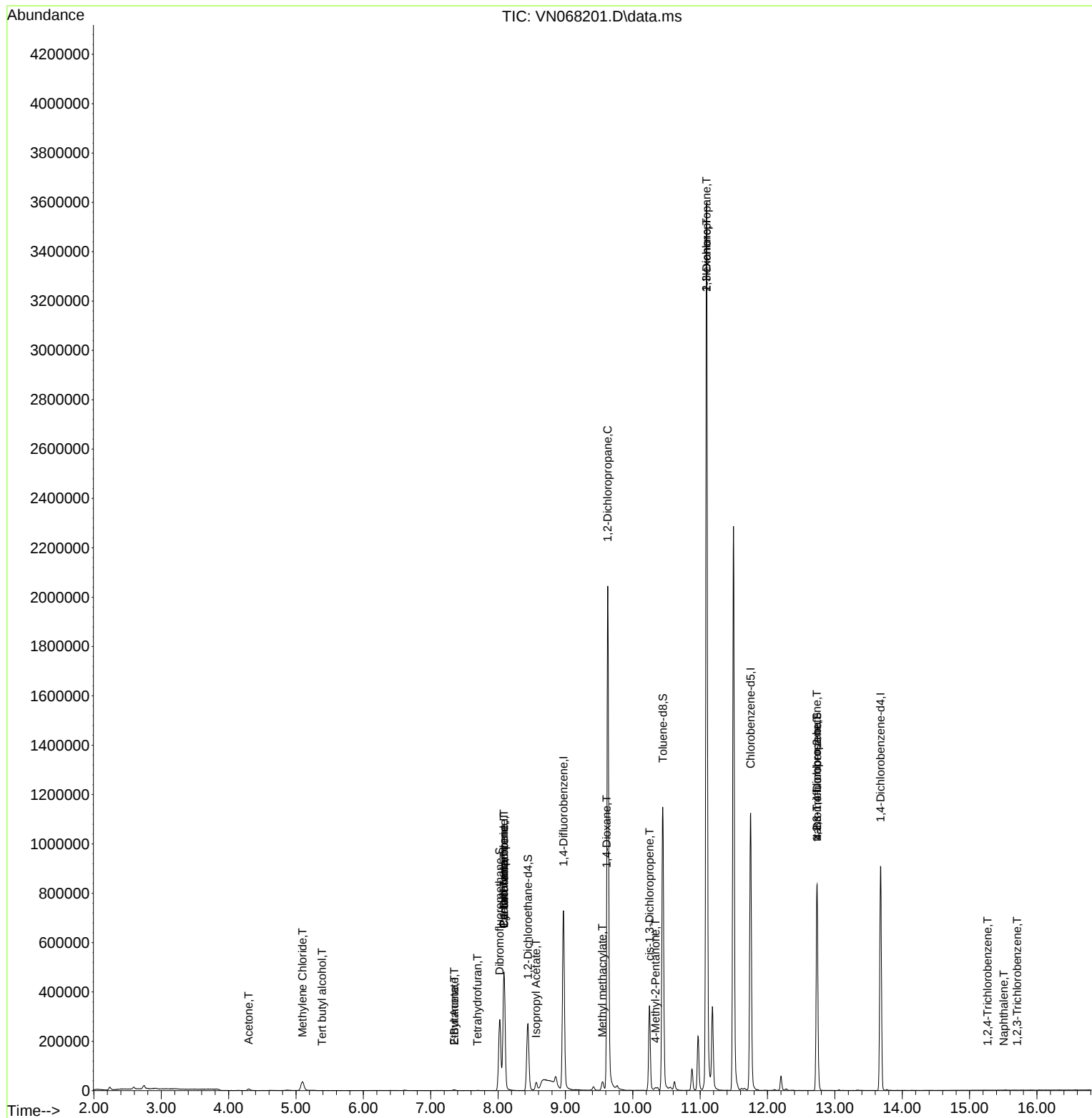
Internal Standards						
1) Pentafluorobenzene	8.088	168	404192	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	693127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	739389	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	275447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	232249	53.815	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.640%			
35) Dibromofluoromethane	8.024	113	211810	48.674	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.340%			
50) Toluene-d8	10.446	98	863775	52.093	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.180%			
62) 4-Bromofluorobenzene	12.736	95	283383	51.339	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.680%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.823	94	25	Below Cal	#	4
6) Chloroethane	3.019	64	380	Below Cal	#	44
11) Tert butyl alcohol	5.385	59	221	0.411	ug/l #	71
13) Acrolein	4.036	56	121	Below Cal	#	71
16) Acetone	4.296	43	11922	9.462	ug/l #	89
18) Methyl Acetate	4.848	43	768	Below Cal	#	54
20) Methylene Chloride	5.095	84	30790	7.004	ug/l #	81
25) 2-Butanone	7.351	43	5230	2.663	ug/l #	81
29) Tetrahydrofuran	7.694	42	523	0.416	ug/l #	39
31) Cyclohexane	8.085	56	6746	1.187	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	26003	4.589	ug/l #	53
37) Ethyl Acetate	7.351	43	5230	1.083	ug/l #	69
38) Carbon Tetrachloride	8.088	117	37632	5.758	ug/l #	16
43) Isopropyl Acetate	8.566	43	37116	4.800	ug/l #	92
45) 1,2-Dichloropropane	9.628	63	2755	0.677	ug/l #	44
48) Methyl methacrylate	9.550	41	8431	2.617	ug/l #	12
49) 1,4-Dioxane	9.612	88	55	0.706	ug/l #	20
51) 4-Methyl-2-Pentanone	10.336	43	3902	0.822	ug/l #	30
54) cis-1,3-Dichloropropene	10.247	75	67307	10.257	ug/l #	56
57) 1,3-Dichloropropane	11.095	76	41855	5.768	ug/l #	43
59) 2-Hexanone	11.095	43	509969	154.630	ug/l #	58
76) 1,2,3-Trichloropropane	12.733	75	142517	31.129	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	142517	101.985	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	133	2.712	ug/l #	12
95) Naphthalene	15.507	128	609	3.397	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.705	180	51	2.842	ug/l #	12

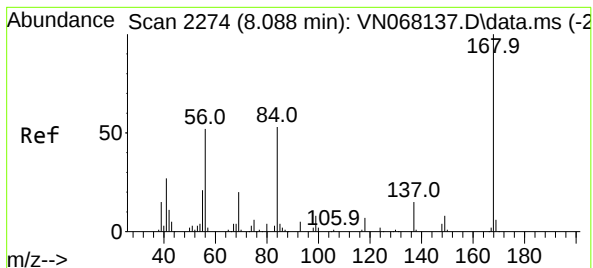
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068201.D

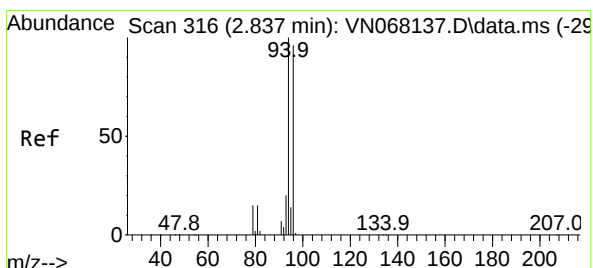
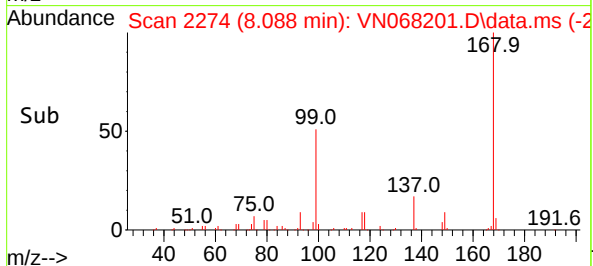
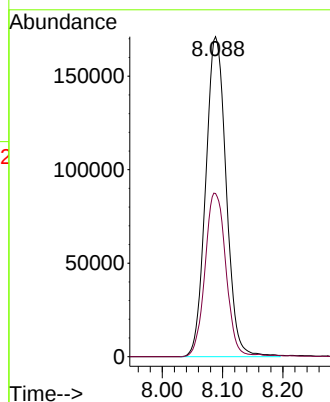
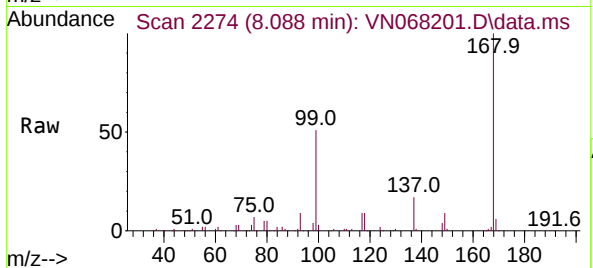
Acq: 18 Aug 2021 18:29

Tgt Ion:168 Resp: 404192

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: VN068201.D

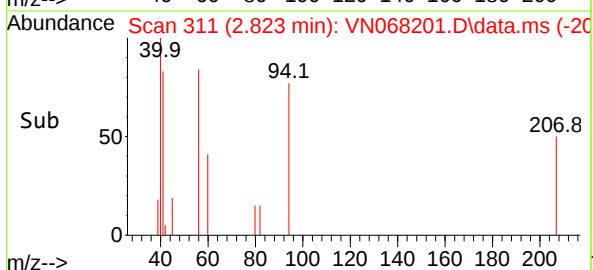
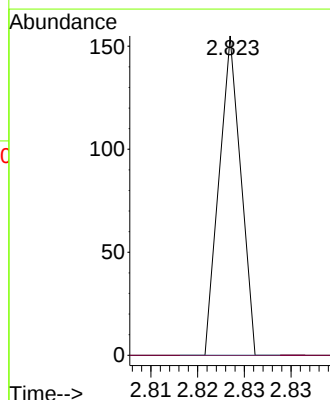
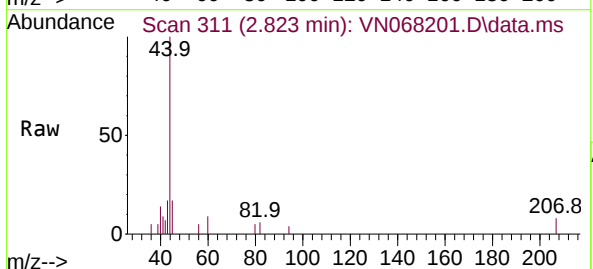
Acq: 18 Aug 2021 18:29

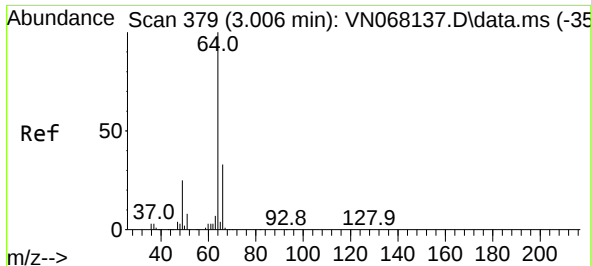
Tgt Ion: 94 Resp: 25

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

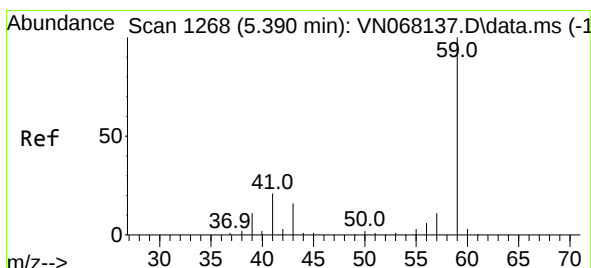
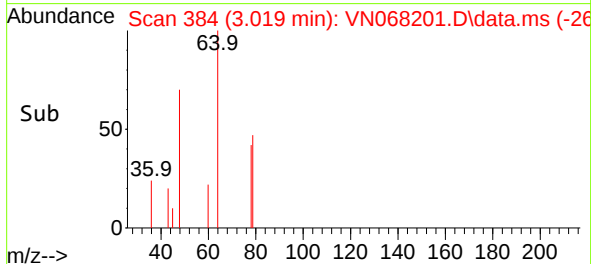
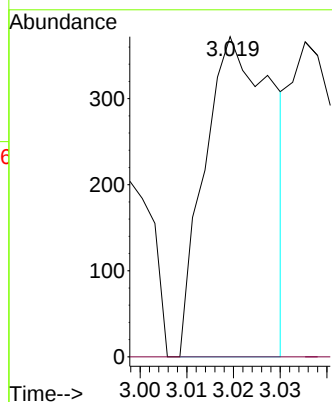
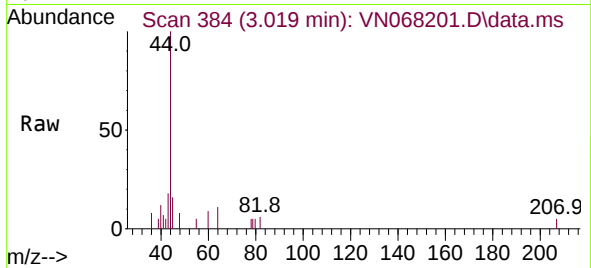




#6
Chloroethane
Concen: Below Cal
RT: 3.019 min Scan# 384
Delta R.T. 0.013 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

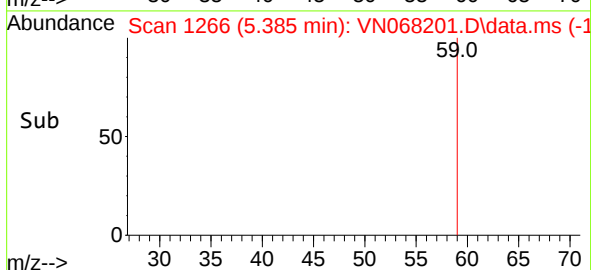
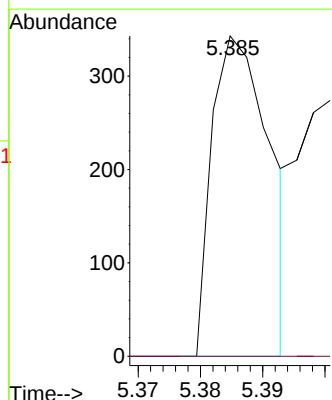
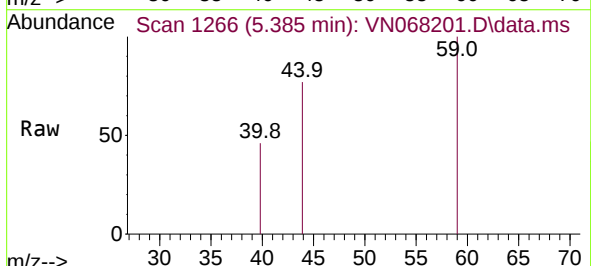
Instrument :
MSVOA_N
ClientSampled :
TP5

Tgt Ion: 64 Resp: 380
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.411 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.005 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion: 59 Resp: 221
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

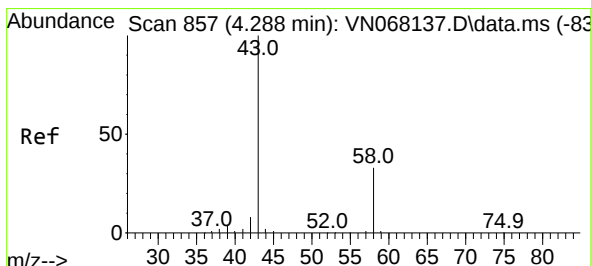
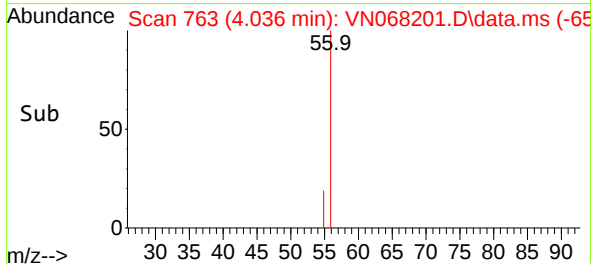
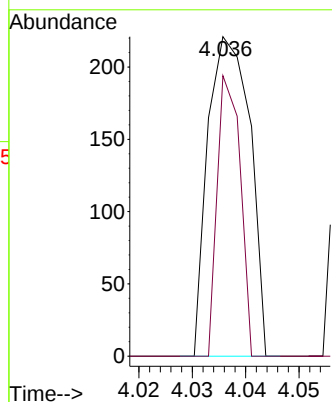
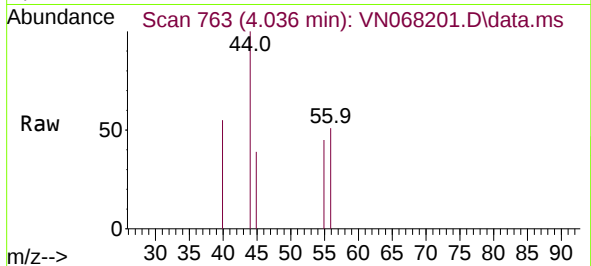




#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

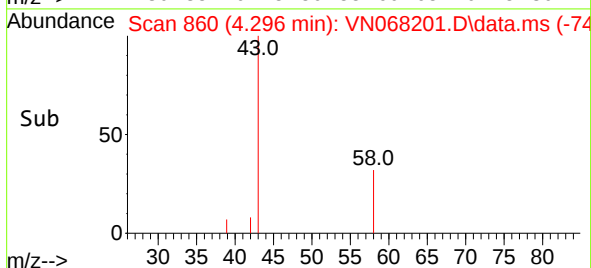
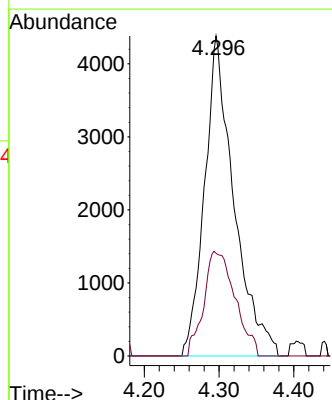
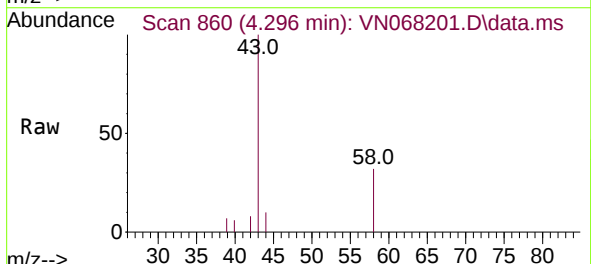
Instrument :
MSVOA_N
ClientSampled :
TP5

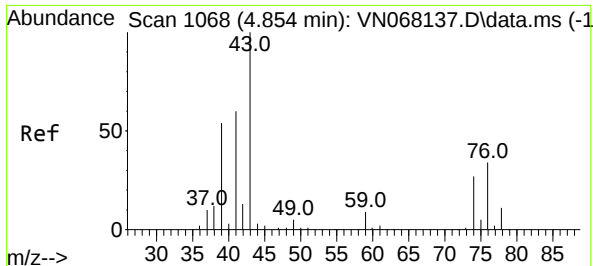
Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 47.9 57.4 86.0#



#16
Acetone
Concen: 9.462 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion: 43 Resp: 11922
Ion Ratio Lower Upper
43 100
58 32.1 21.2 31.8#

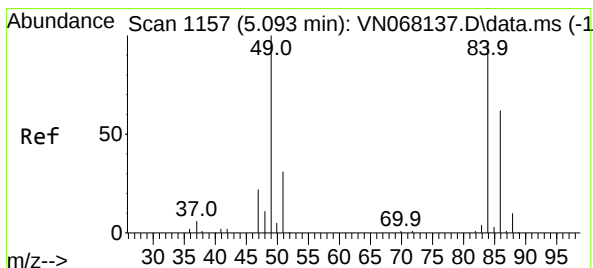
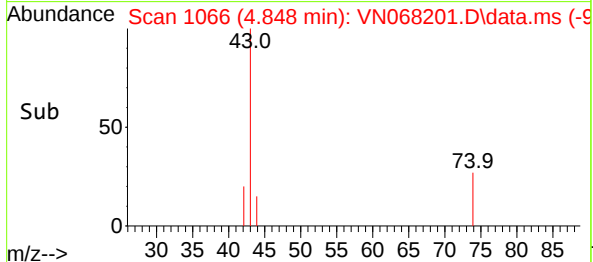
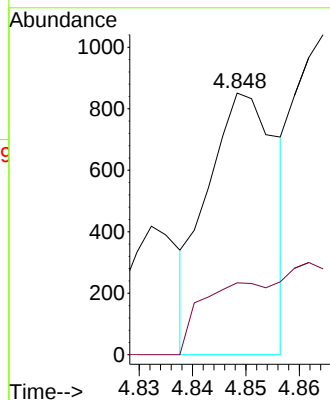
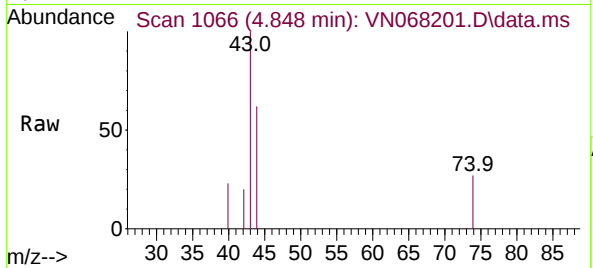




#18
Methyl Acetate
Concen: Below Cal
RT: 4.848 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

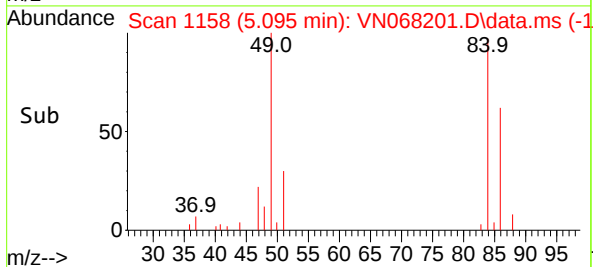
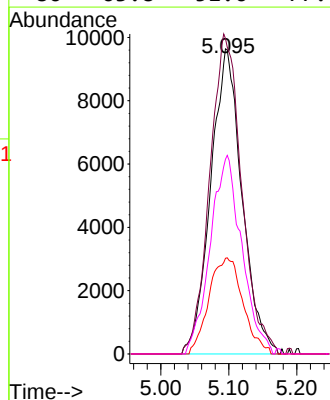
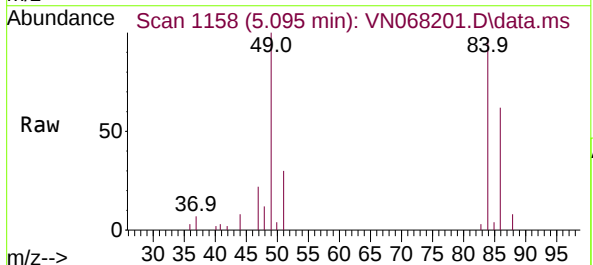
Instrument :
MSVOA_N
ClientSampled :
TP5

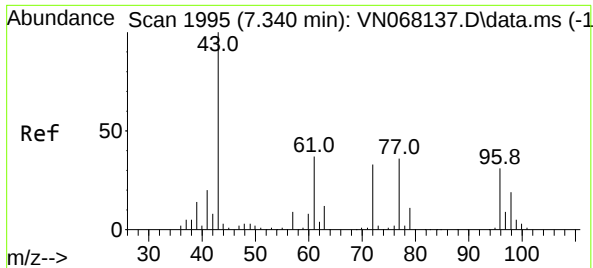
Tgt Ion: 43 Resp: 768
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#20
Methylene Chloride
Concen: 7.004 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion: 84 Resp: 30790
Ion Ratio Lower Upper
84 100
49 103.3 110.9 166.3#
51 31.3 32.6 49.0#
86 63.8 51.6 77.4

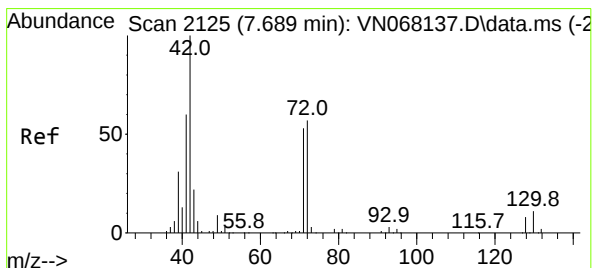
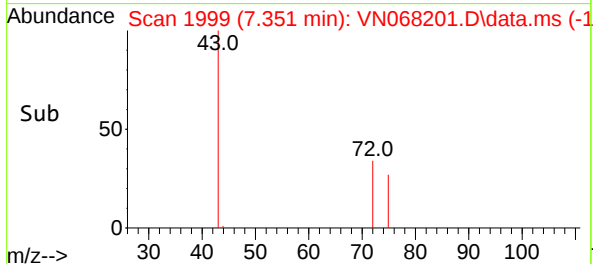
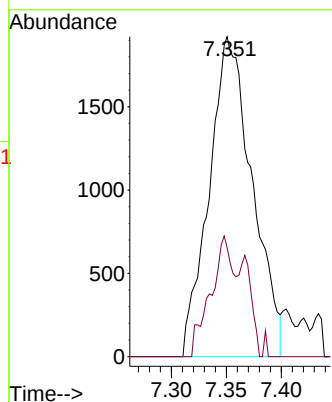
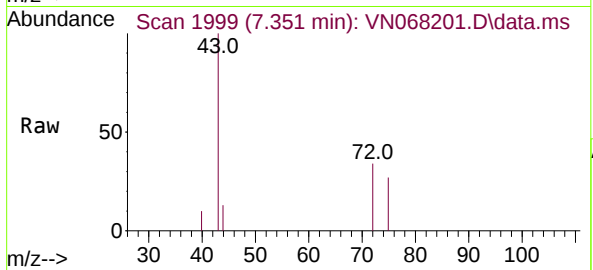




#25
2-Butanone
Concen: 2.663 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.011 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

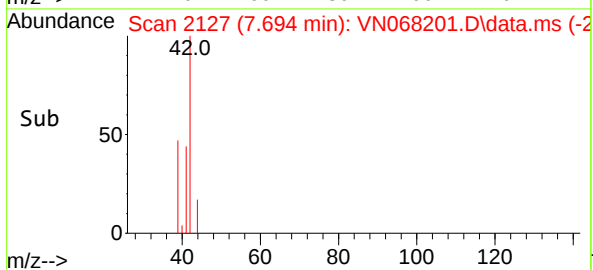
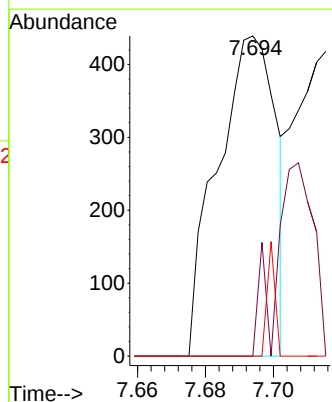
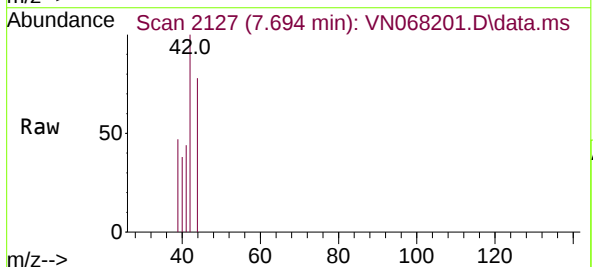
Instrument :
MSVOA_N
ClientSampled :
TP5

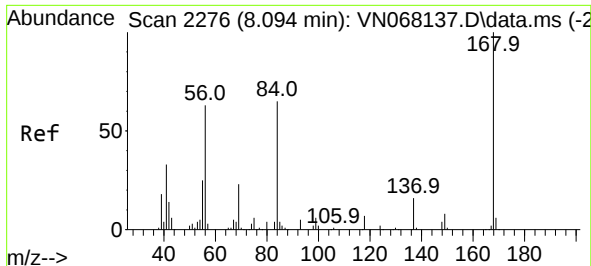
Tgt Ion: 43 Resp: 5230
Ion Ratio Lower Upper
43 100
72 34.1 19.7 29.5#



#29
Tetrahydrofuran
Concen: 0.416 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.005 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion: 42 Resp: 523
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 4.8 31.2 46.8#

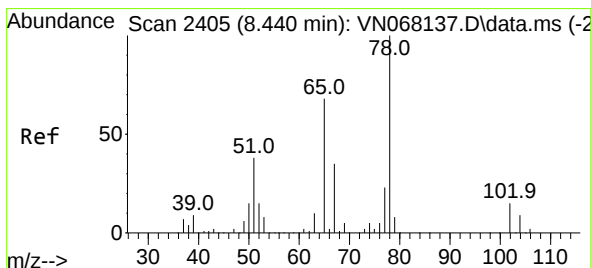
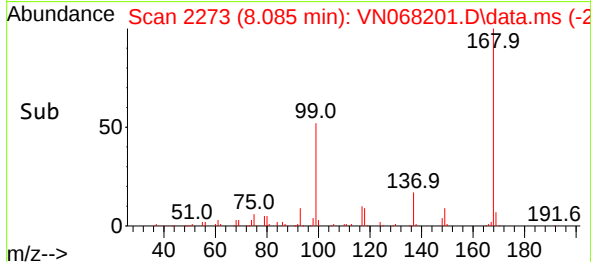
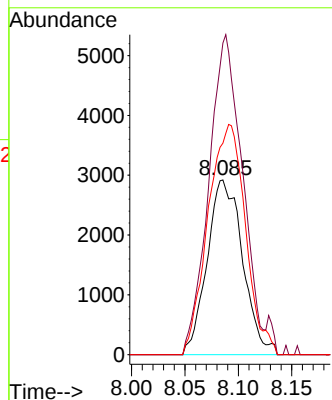
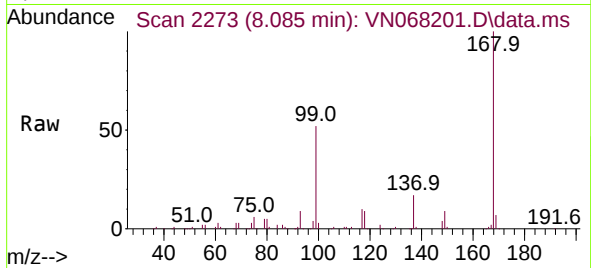




#31
Cyclohexane
Concen: 1.187 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.009 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

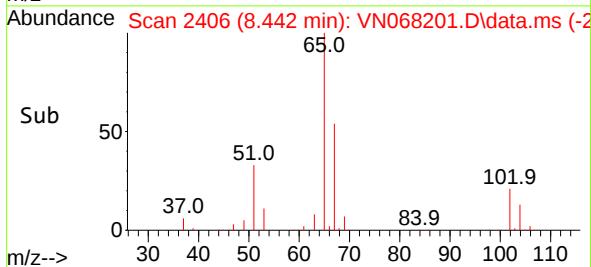
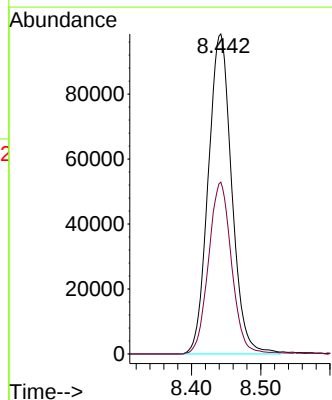
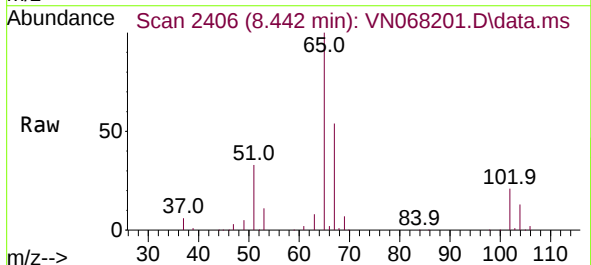
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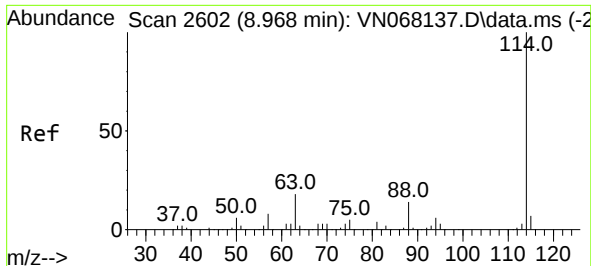
Tgt Ion: 56 Resp: 6746
Ion Ratio Lower Upper
56 100
69 178.3 27.3 40.9#
84 121.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.815 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion: 65 Resp: 232249
Ion Ratio Lower Upper
65 100
67 52.5 0.0 98.6

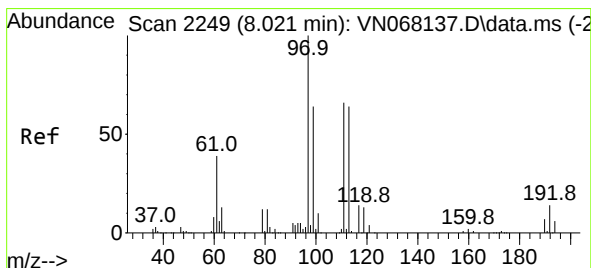
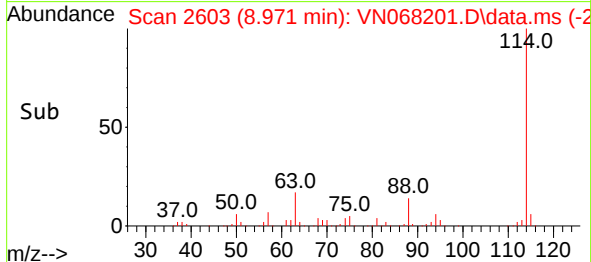
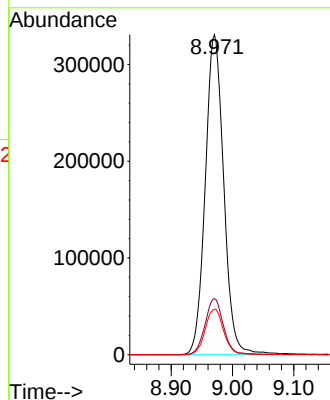
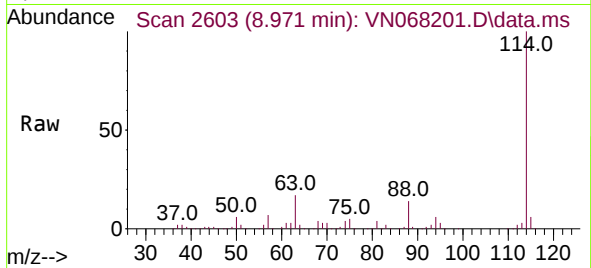




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

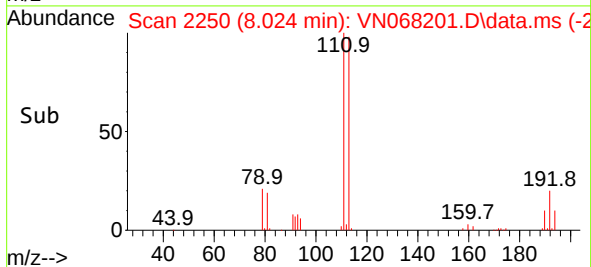
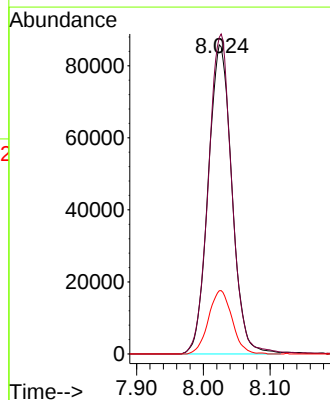
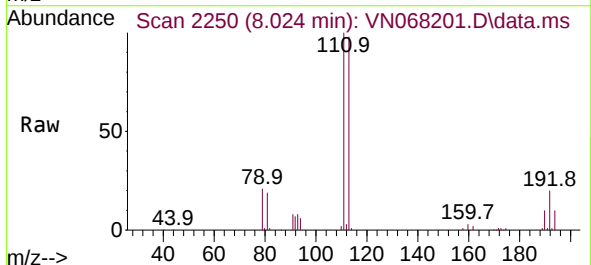
Instrument :
MSVOA_N
ClientSampleId :
TP5

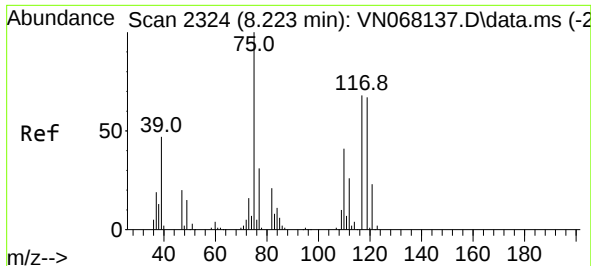
Tgt Ion:114 Resp: 693127
Ion Ratio Lower Upper
114 100
63 17.5 0.0 49.0
88 14.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.674 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion:113 Resp: 211810
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.8
192 20.3 13.4 20.0#

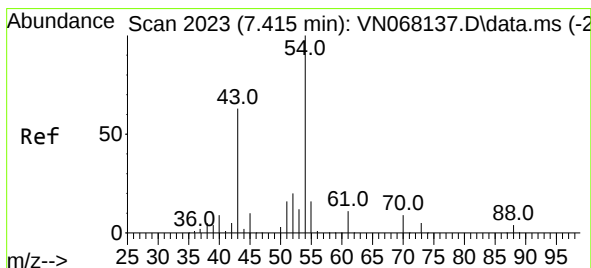
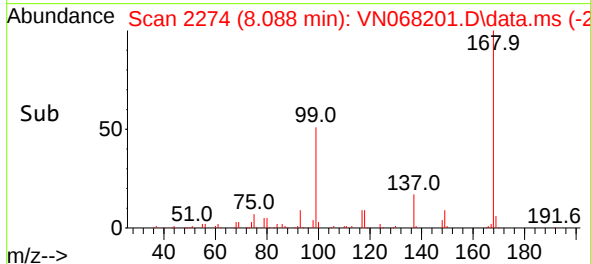
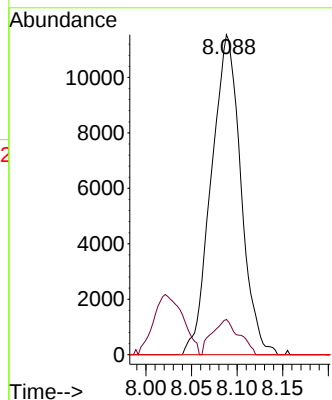
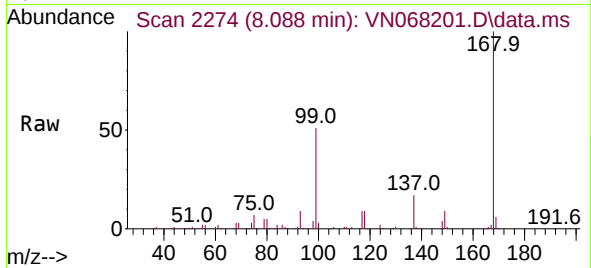




#36
 1,1-Dichloropropene
 Concen: 4.589 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.135 min
 Lab File: VN068201.D
 Acq: 18 Aug 2021 18:29

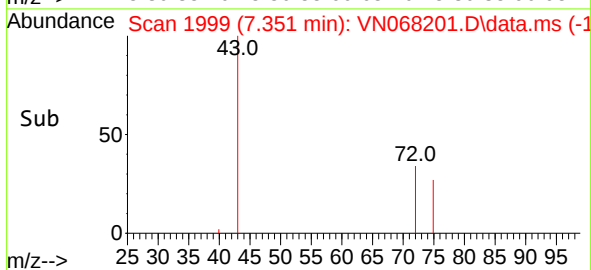
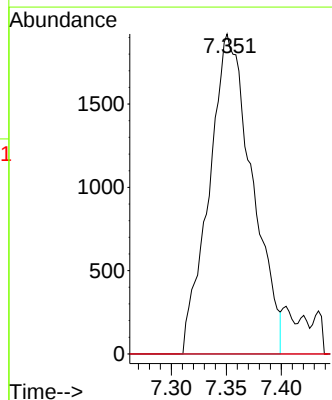
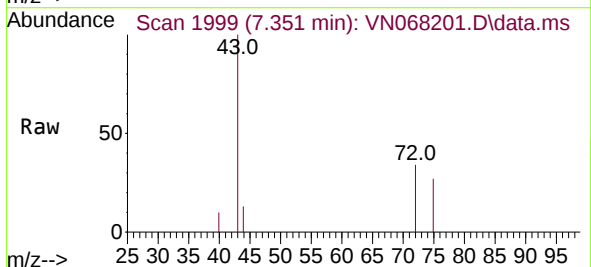
Instrument :
 MSVOA_N
 ClientSampled :
 TP5

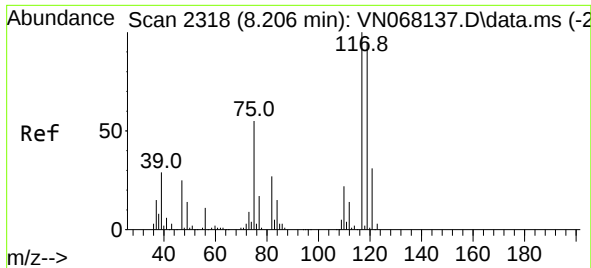
Tgt Ion: 75 Resp: 26003
 Ion Ratio Lower Upper
 75 100
 110 10.1 15.7 47.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 1.083 ug/l
 RT: 7.351 min Scan# 1999
 Delta R.T. -0.064 min
 Lab File: VN068201.D
 Acq: 18 Aug 2021 18:29

Tgt Ion: 43 Resp: 5230
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 16.0#
 70 0.0 8.1 12.1#

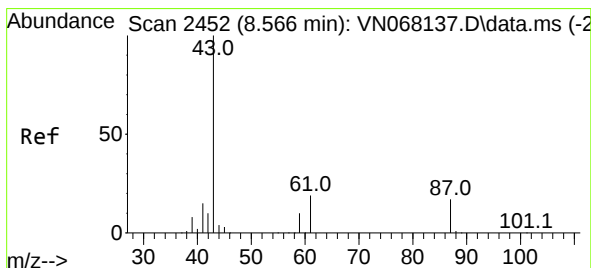
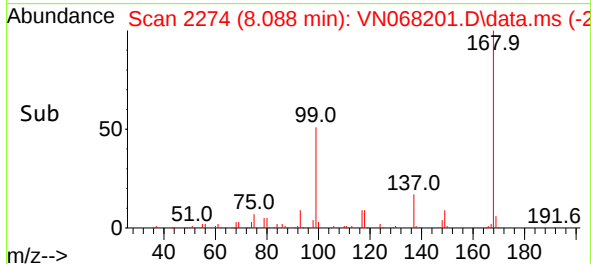
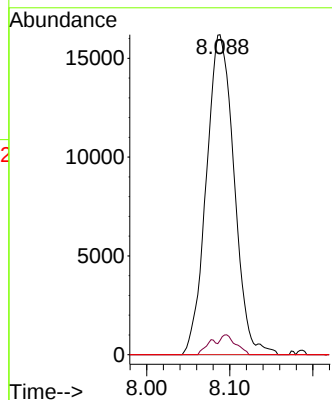
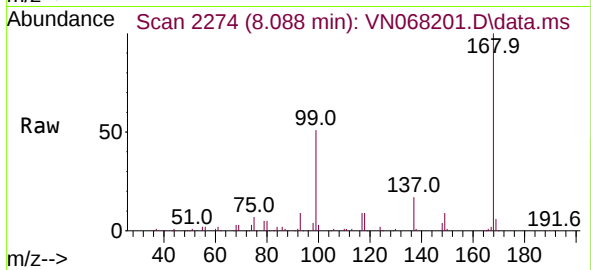




#38
Carbon Tetrachloride
Concen: 5.758 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

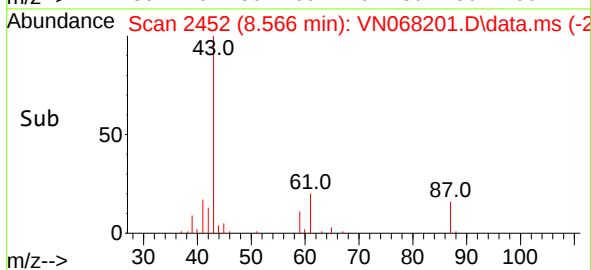
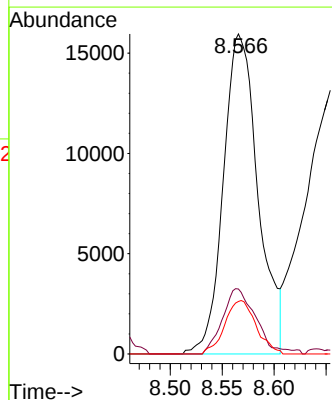
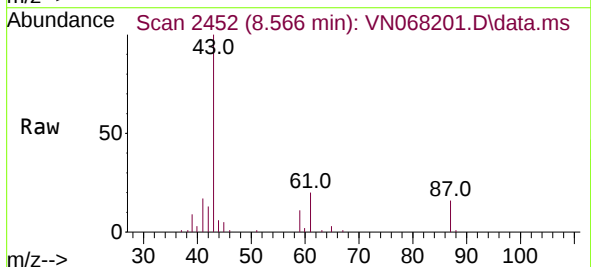
Instrument :
MSVOA_N
ClientSampled :
TP5

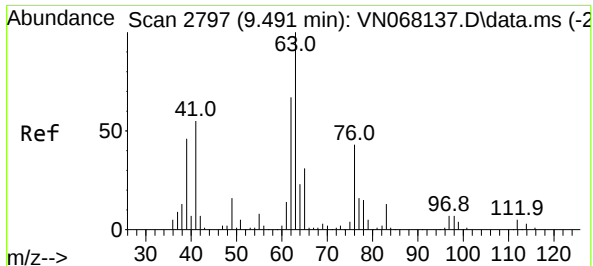
Tgt Ion:117 Resp: 37632
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 4.800 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion: 43 Resp: 37116
Ion Ratio Lower Upper
43 100
61 19.7 19.0 28.4
87 15.0 9.5 14.3#

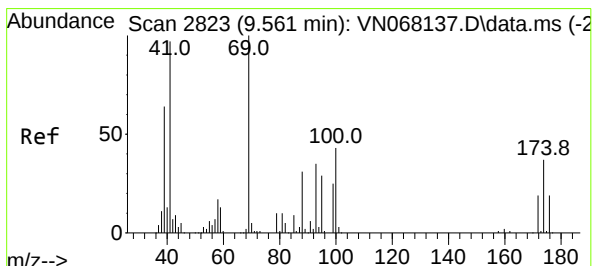
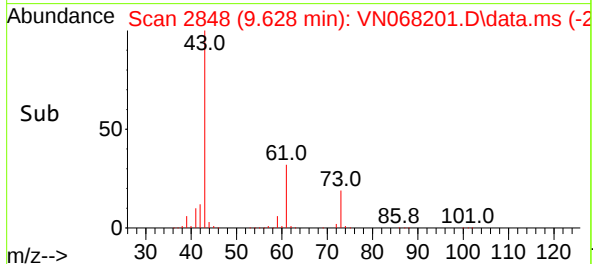
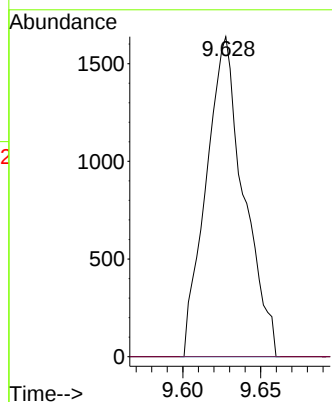
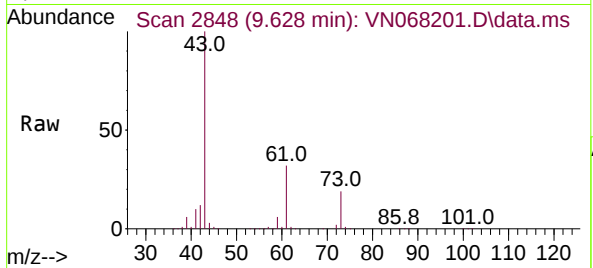




#45
1,2-Dichloropropane
Concen: 0.677 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

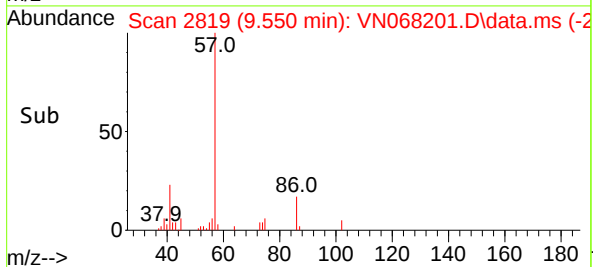
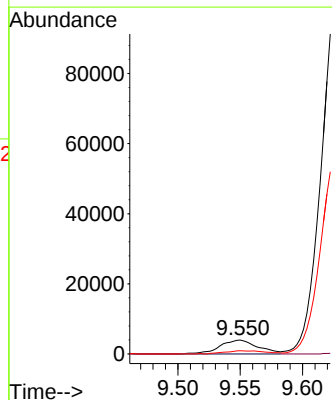
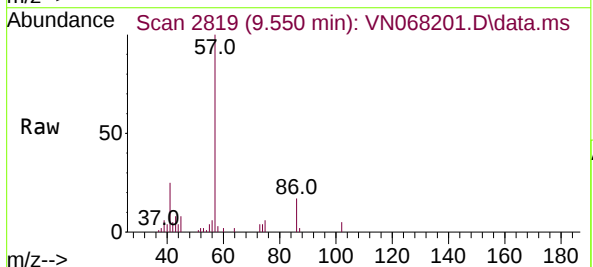
Instrument :
MSVOA_N
ClientSampled :
TP5

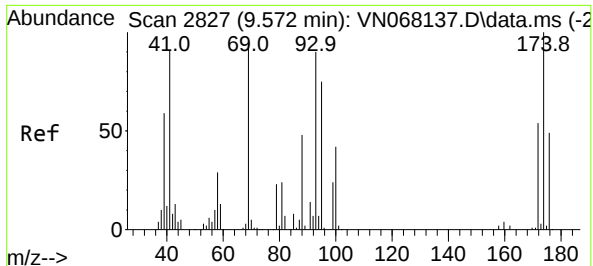
Tgt Ion: 63 Resp: 2755
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.617 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion: 41 Resp: 8431
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

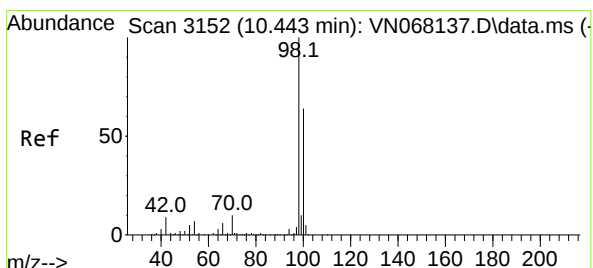
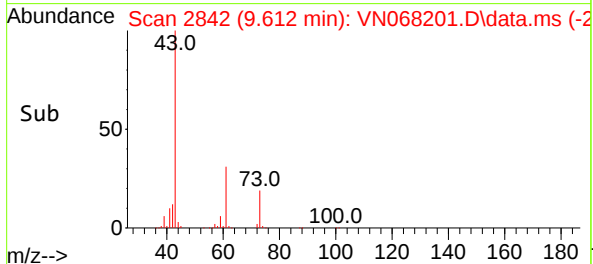
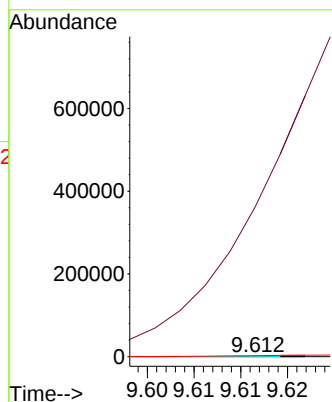
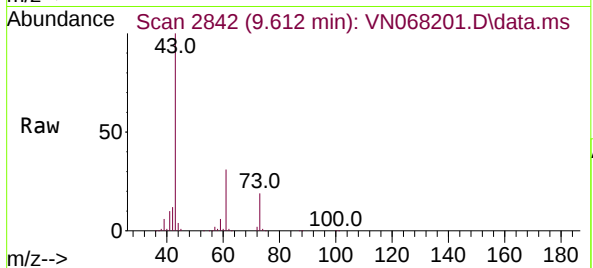




#49
1,4-Dioxane
Concen: 0.706 ug/l
RT: 9.612 min Scan# 2842
Delta R.T. 0.040 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

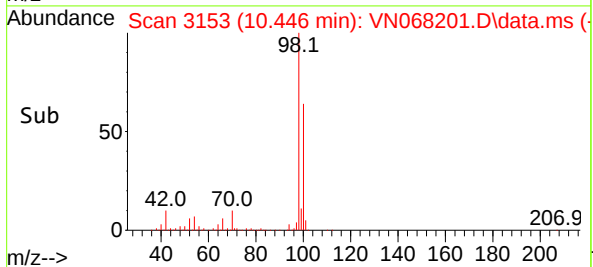
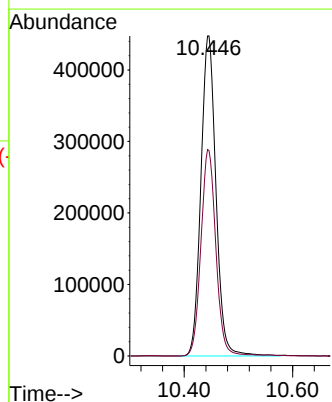
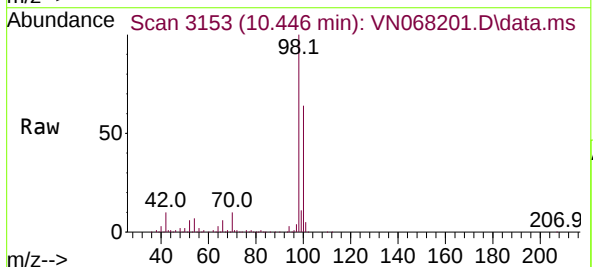
Instrument :
MSVOA_N
ClientSampled :
TP5

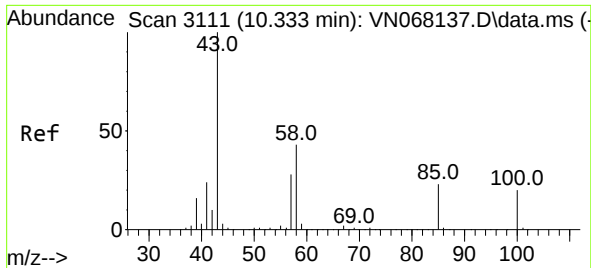
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 52.093 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion: 98 Resp: 863775
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

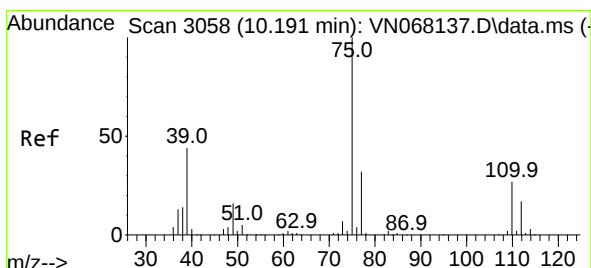
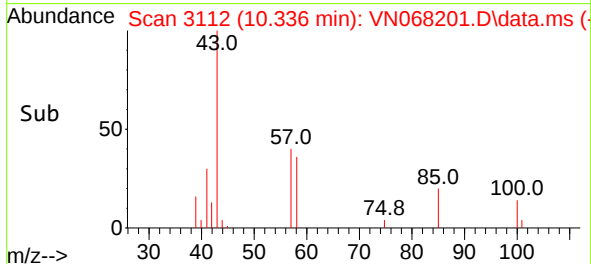
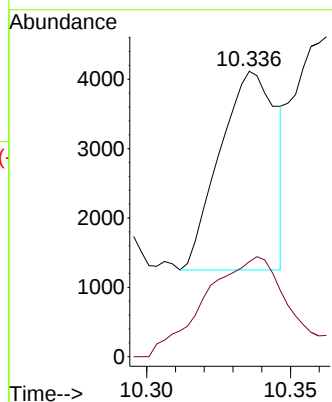
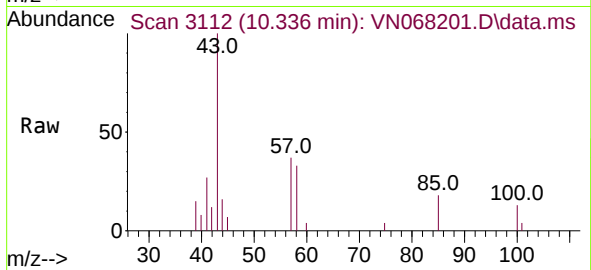




#51
4-Methyl-2-Pentanone
Concen: 0.822 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

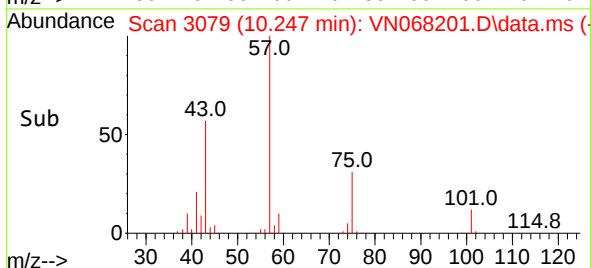
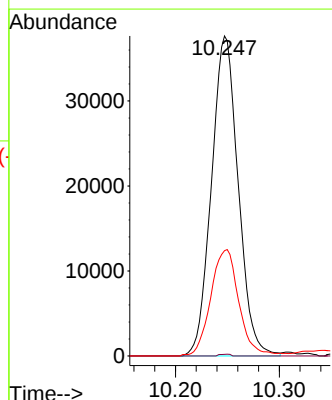
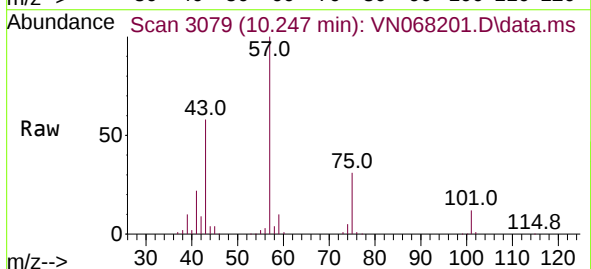
Instrument :
MSVOA_N
ClientSampled :
TP5

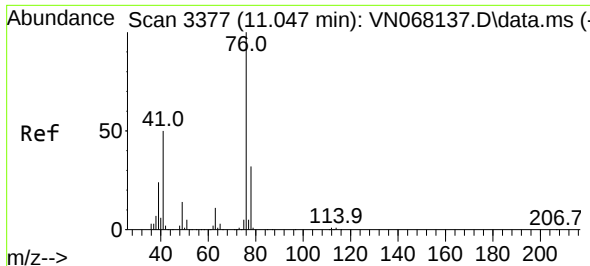
Tgt Ion: 43 Resp: 3902
Ion Ratio Lower Upper
43 100
58 77.1 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 10.257 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion: 75 Resp: 67307
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 32.9 50.7 76.1#

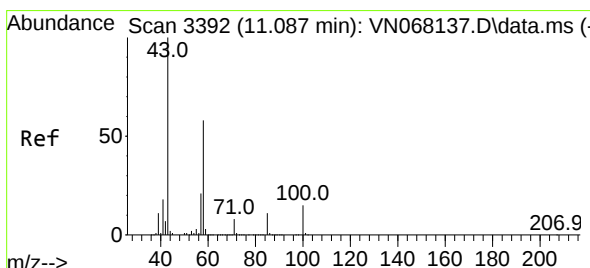
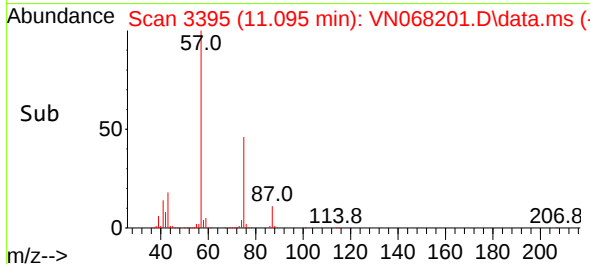
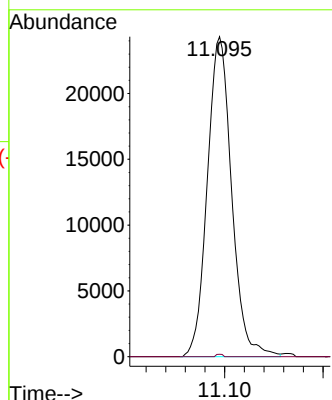
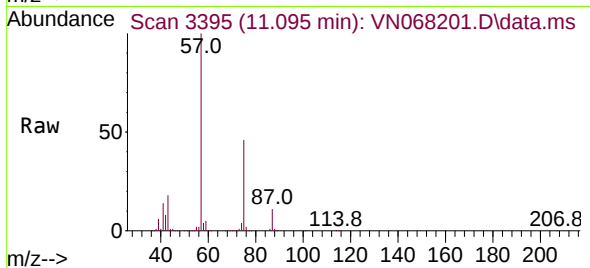




#57
1,3-Dichloropropane
Concen: 5.768 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

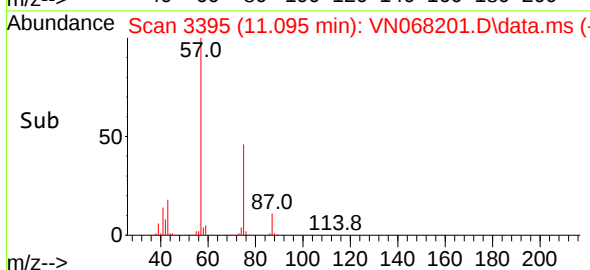
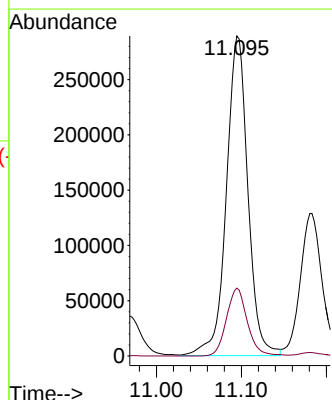
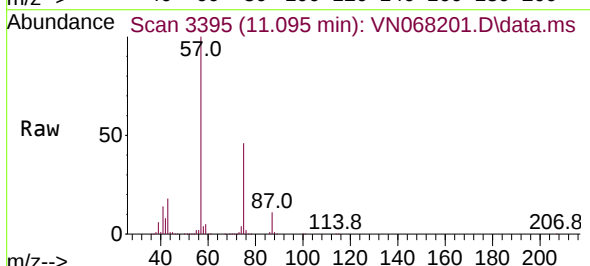
Instrument :
MSVOA_N
ClientSampled :
TP5

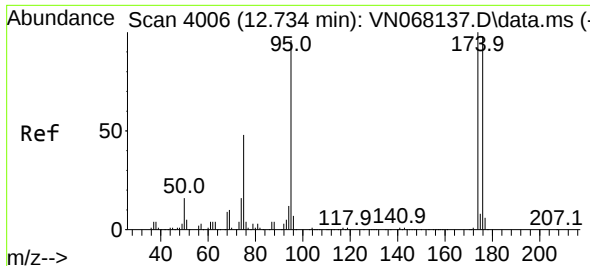
Tgt Ion: 76 Resp: 41855
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 154.630 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion: 43 Resp: 509969
Ion Ratio Lower Upper
43 100
58 20.6 24.7 74.1#

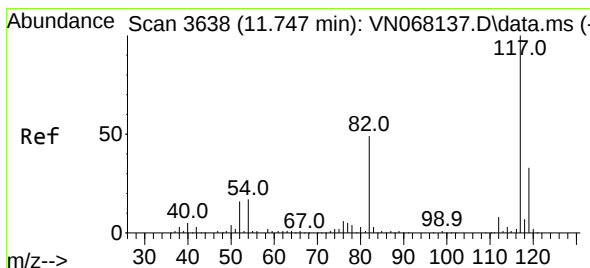
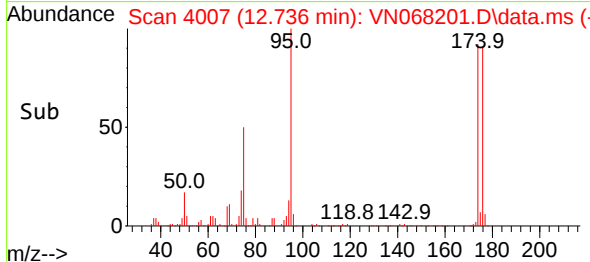
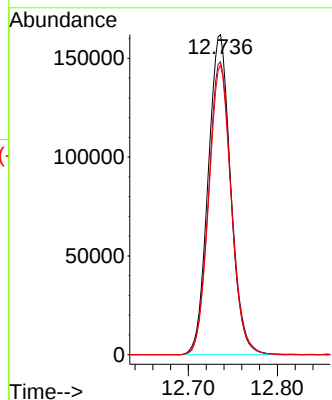
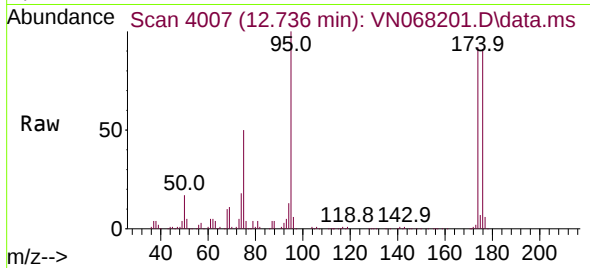




#62
4-Bromofluorobenzene
Concen: 51.339 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

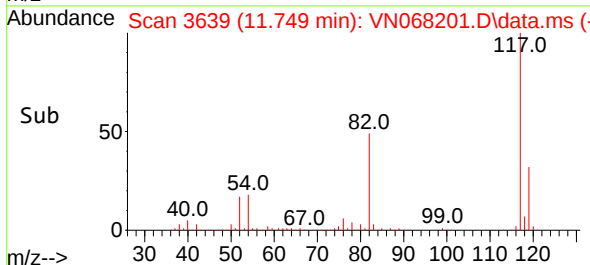
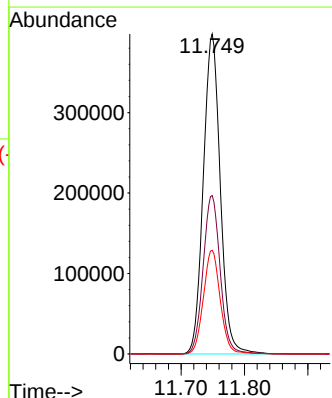
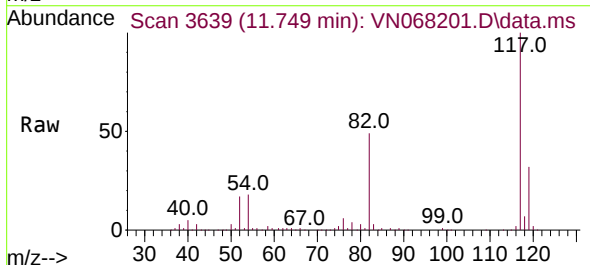
Instrument :
MSVOA_N
ClientSampleId :
TP5

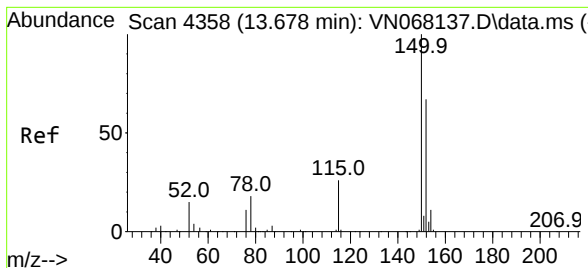
Tgt Ion: 95 Resp: 283383
Ion Ratio Lower Upper
95 100
174 93.6 0.0 122.0
176 90.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion: 117 Resp: 739389
Ion Ratio Lower Upper
117 100
82 49.5 53.1 79.7#
119 32.4 25.5 38.3

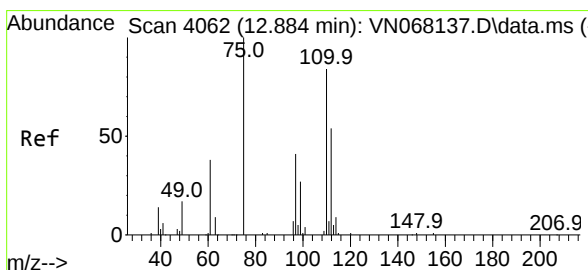
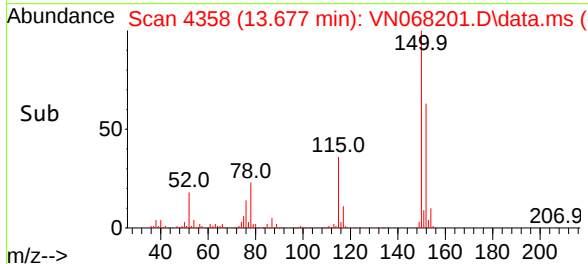
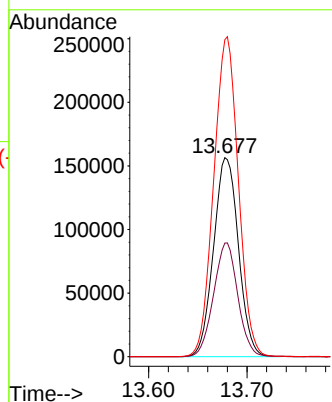
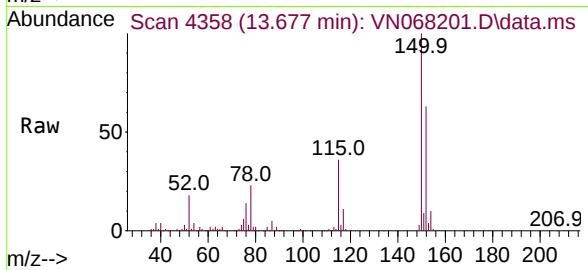




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. -0.001 min
 Lab File: VN068201.D
 Acq: 18 Aug 2021 18:29

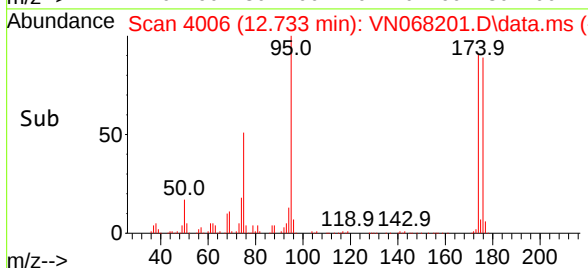
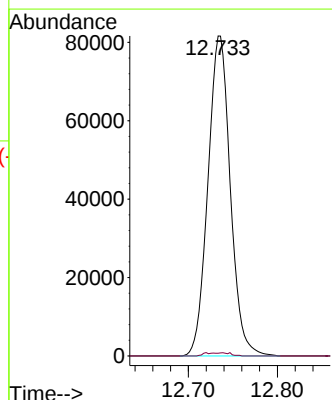
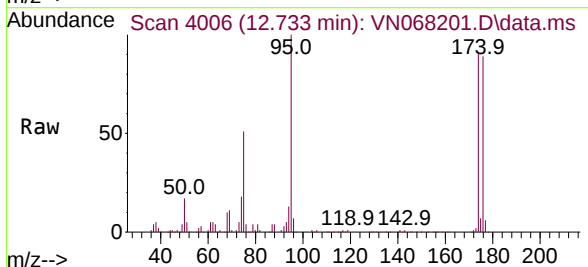
Instrument :
 MSVOA_N
 ClientSampled :
 TP5

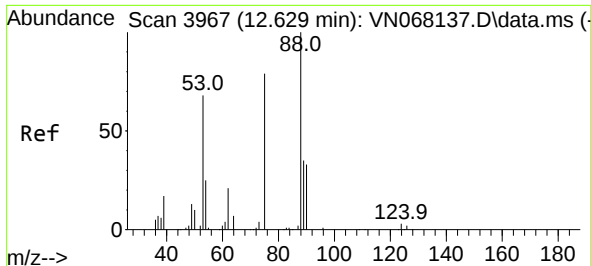
Tgt Ion:152 Resp: 275447
 Ion Ratio Lower Upper
 152 100
 115 55.6 36.1 108.5
 150 159.1 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 31.129 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN068201.D
 Acq: 18 Aug 2021 18:29

Tgt Ion: 75 Resp: 142517
 Ion Ratio Lower Upper
 75 100
 77 0.3 0.0 0.0#

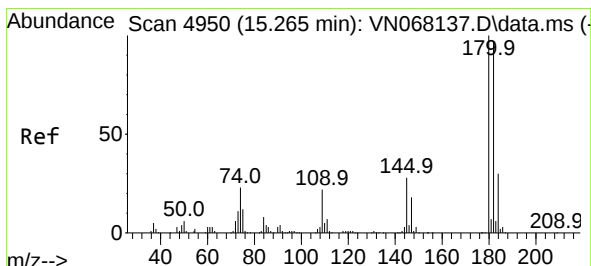
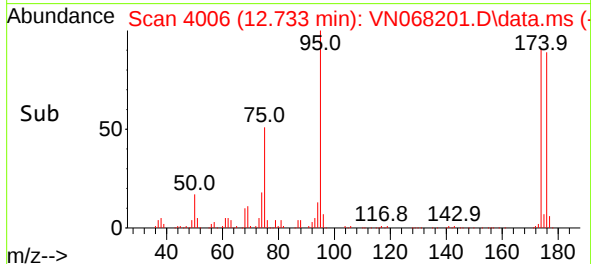
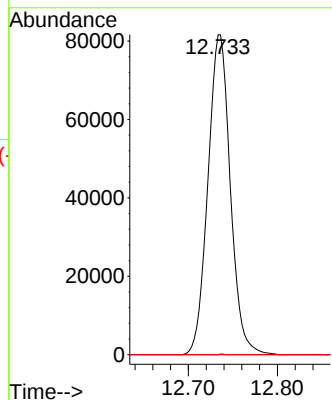
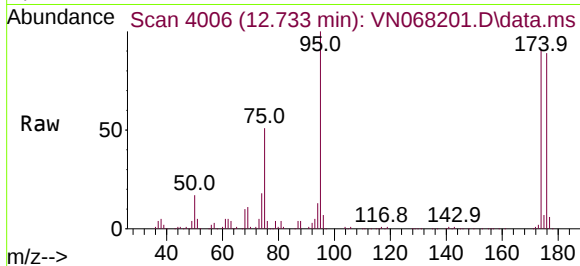




#81
trans-1,4-Dichloro-2-butene
Concen: 101.985 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

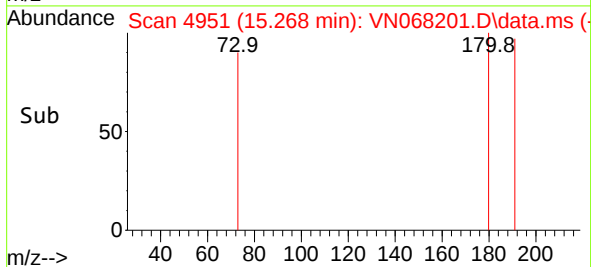
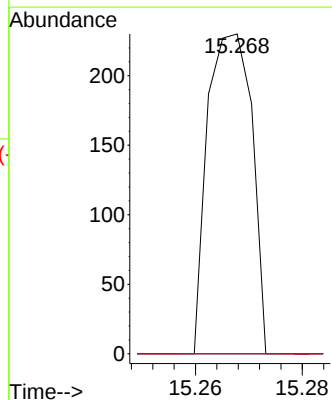
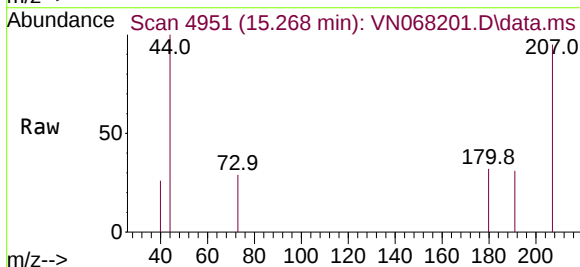
Instrument :
MSVOA_N
ClientSampled :
TP5

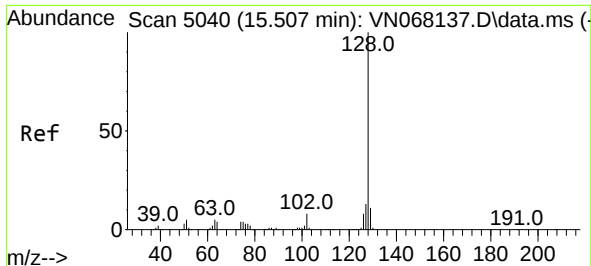
Tgt Ion: 75 Resp: 142517
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.712 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion:180 Resp: 133
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#

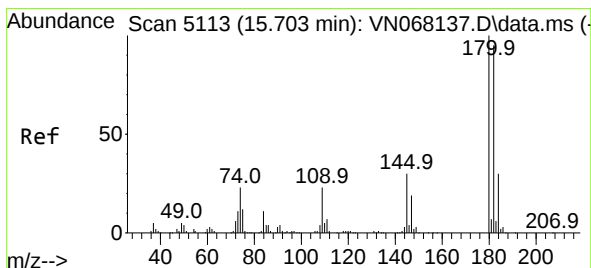
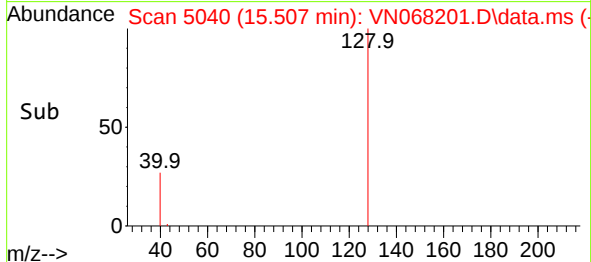
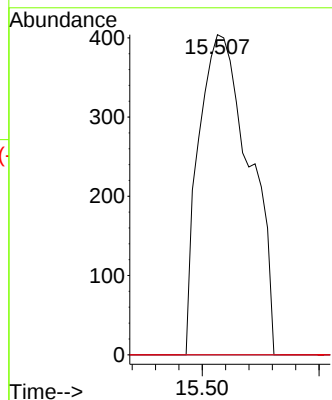
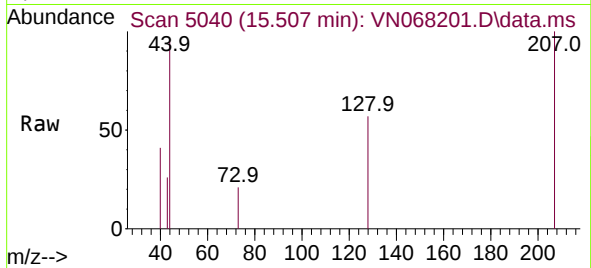




#95
Naphthalene
Concen: 3.397 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Instrument :
MSVOA_N
ClientSampled :
TP5

Tgt Ion:128	Resp:	609
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: 2.842 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.002 min
Lab File: VN068201.D
Acq: 18 Aug 2021 18:29

Tgt Ion:180	Resp:	51
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.8 143.3#
145	0.0	18.2 54.6#

