

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068222.D
 Acq On : 19 Aug 2021 17:28
 Operator : JC/MD
 Sample : PB138556ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 01:55:14 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

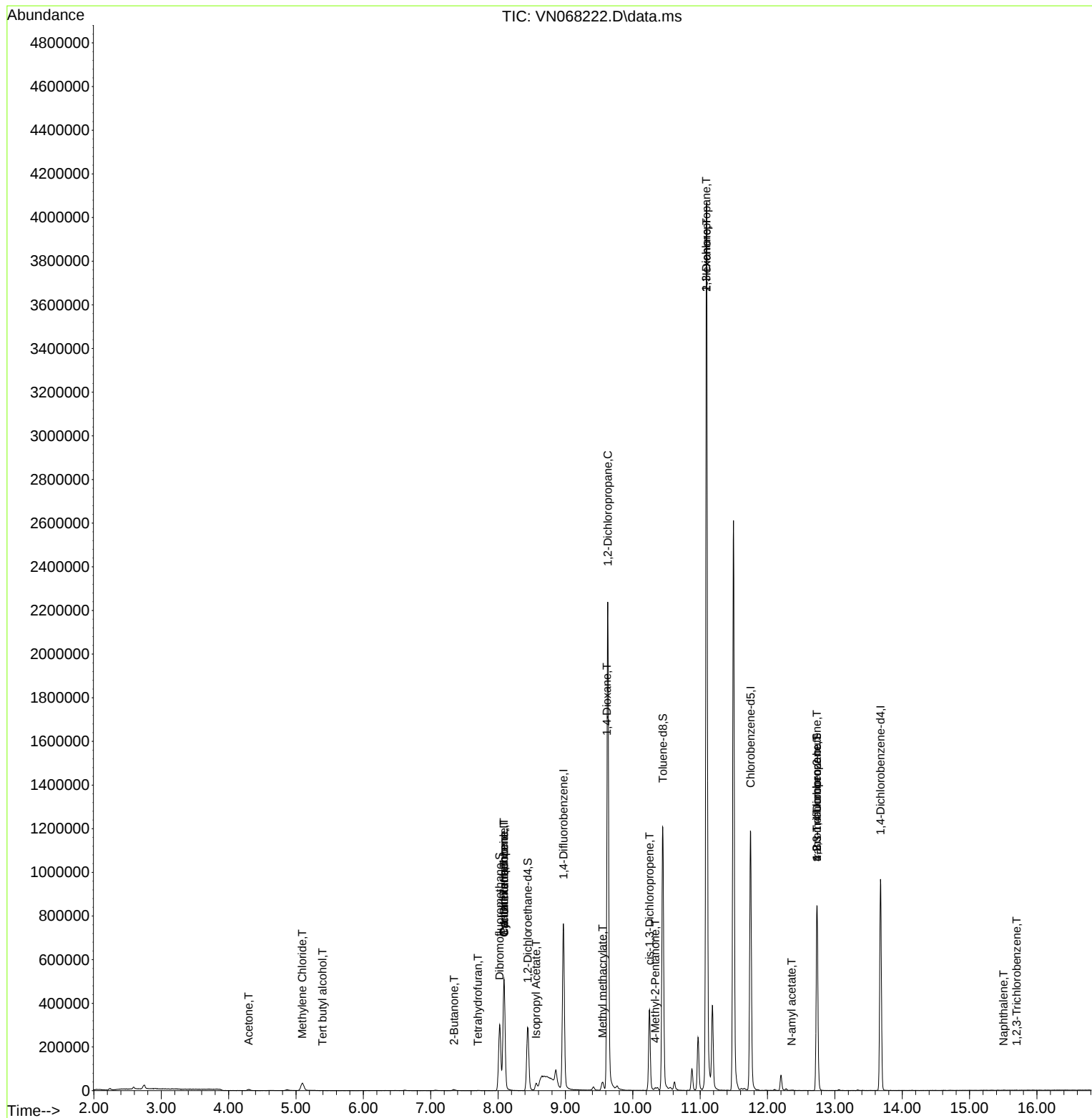
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	419051	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	720460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	773857	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	294066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	246280	55.043	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 110.080%	
35) Dibromofluoromethane	8.024	113	218638	48.337	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.680%	
50) Toluene-d8	10.446	98	894458	51.897	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.800%	
62) 4-Bromofluorobenzene	12.734	95	293918	51.228	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.460%	
Target Compounds						Qvalue
5) Bromomethane	2.808	94	85	Below Cal	#	4
6) Chloroethane	3.036	64	26	Below Cal	#	44
11) Tert butyl alcohol	5.393	59	227	0.407	ug/l #	71
13) Acrolein	4.033	56	51	Below Cal	#	14
16) Acetone	4.296	43	9790	7.494	ug/l #	84
18) Methyl Acetate	4.867	43	7324	Below Cal		97
20) Methylene Chloride	5.093	84	30224	6.513	ug/l #	76
25) 2-Butanone	7.346	43	2655	1.304	ug/l #	84
29) Tetrahydrofuran	7.700	42	373	0.286	ug/l #	84
31) Cyclohexane	8.091	56	7054	1.197	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	27345	4.643	ug/l #	47
38) Carbon Tetrachloride	8.086	117	39142	5.762	ug/l #	18
43) Isopropyl Acetate	8.566	43	36952	4.598	ug/l #	92
45) 1,2-Dichloropropane	9.631	63	2906	0.687	ug/l #	44
48) Methyl methacrylate	9.553	41	9260	2.765	ug/l #	12
49) 1,4-Dioxane	9.617	88	245	3.026	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	6111	1.238	ug/l #	67
54) cis-1,3-Dichloropropene	10.247	75	72413	10.617	ug/l #	56
57) 1,3-Dichloropropane	11.092	76	46770	6.201	ug/l #	43
59) 2-Hexanone	11.095	43	572070	166.879	ug/l #	58
74) N-amyl acetate	12.358	43	1173	0.215	ug/l #	47
76) 1,2,3-Trichloropropane	12.734	75	147041	30.084	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	147041	98.560	ug/l #	6
95) Naphthalene	15.504	128	964	3.422	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.700	180	84	2.848	ug/l #	12

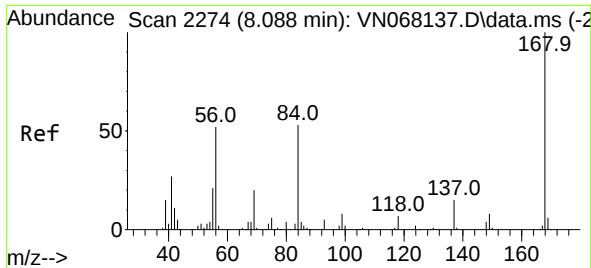
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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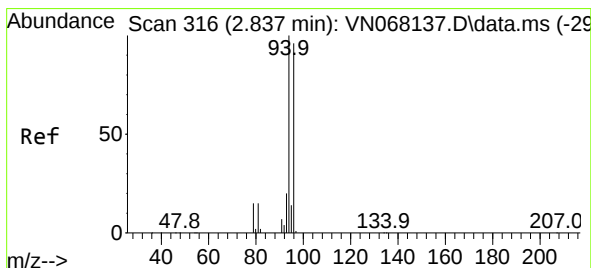
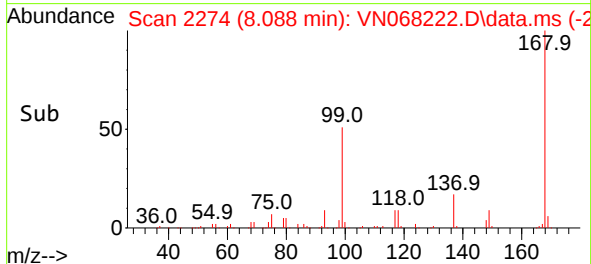
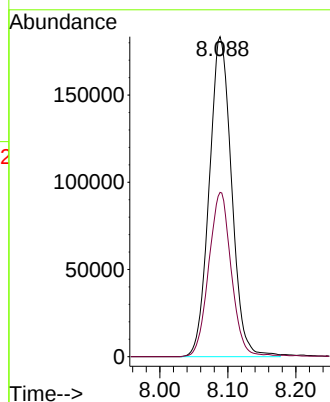
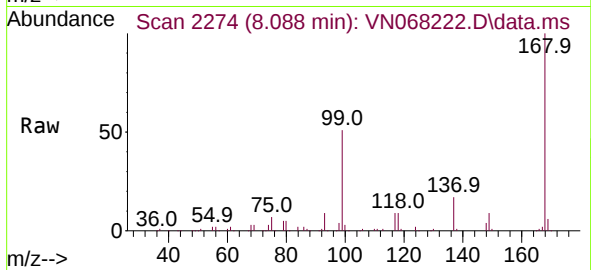




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

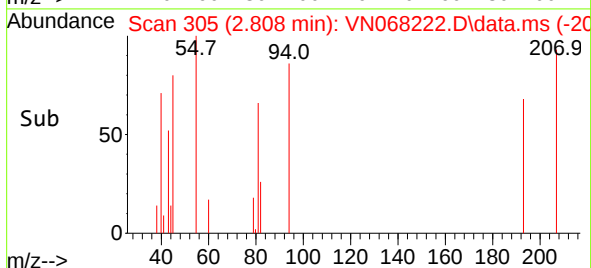
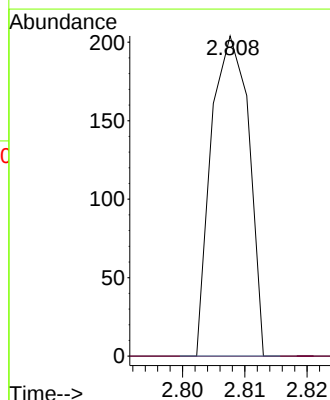
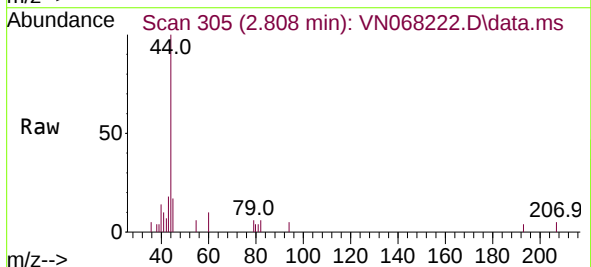
Instrument :
MSVOA_N
ClientSampleId :

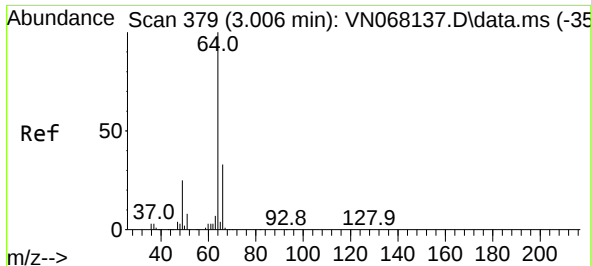
Tgt Ion:168 Resp: 419051
Ion Ratio Lower Upper
168 100
99 51.4 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.808 min Scan# 305
Delta R.T. -0.029 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

Tgt Ion: 94 Resp: 85
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

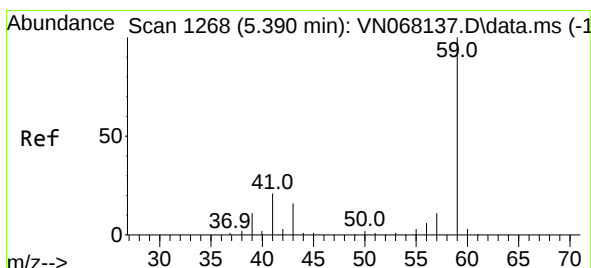
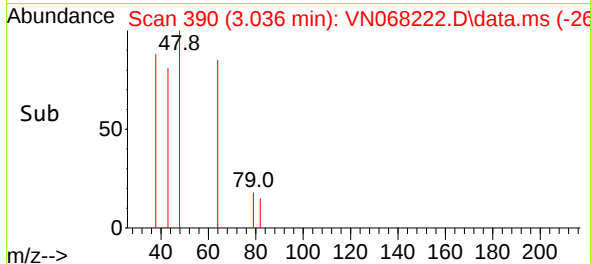
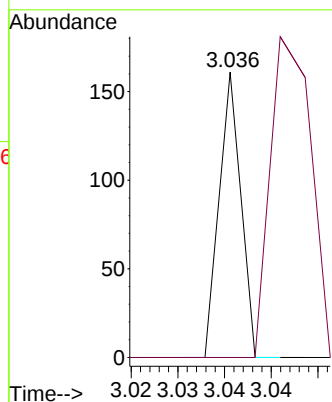
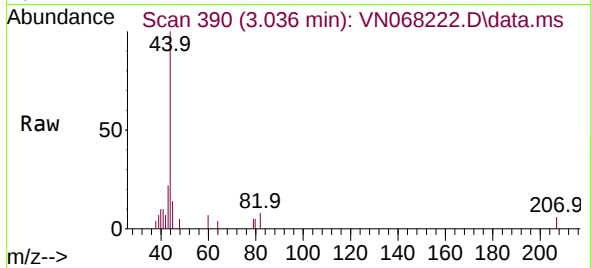




#6
Chloroethane
Concen: Below Cal
RT: 3.036 min Scan# 390
Delta R.T. 0.030 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

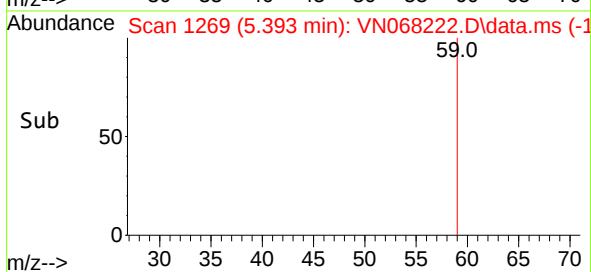
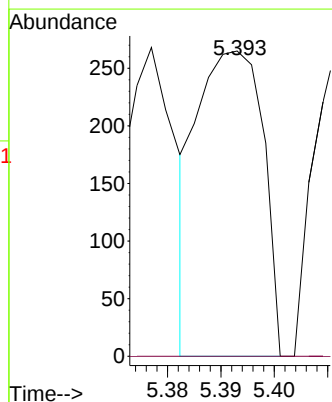
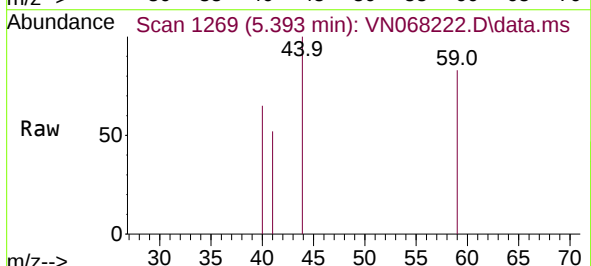
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.407 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

Tgt Ion: 59 Resp: 227
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

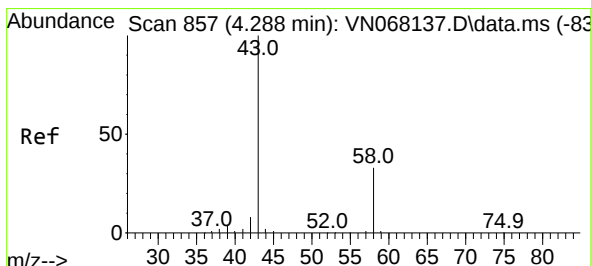
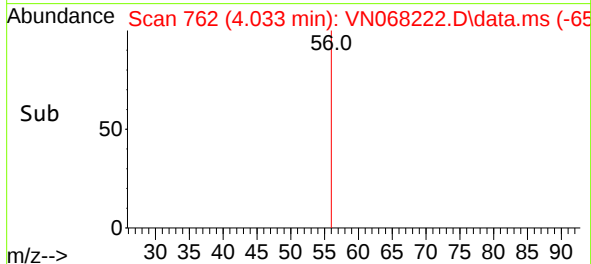
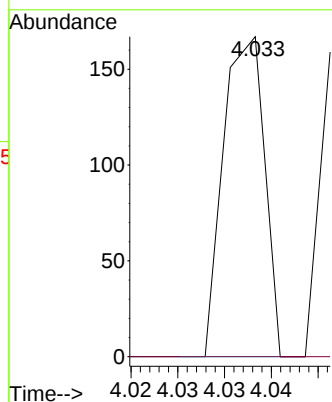
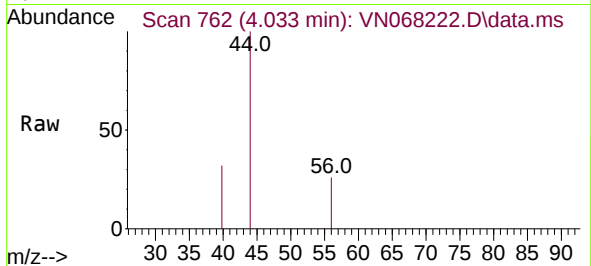




#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

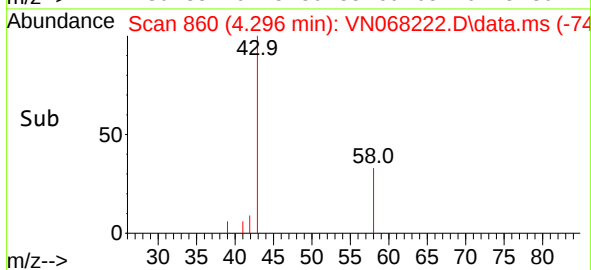
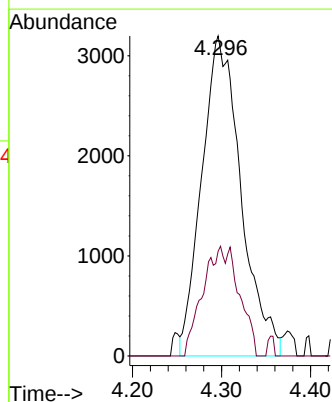
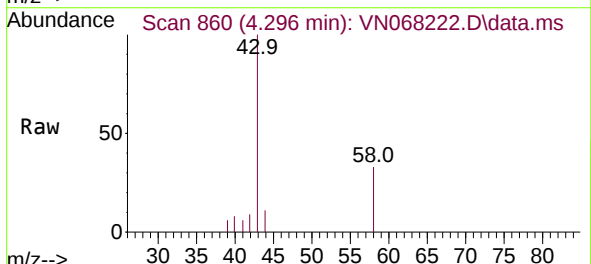
Instrument :
MSVOA_N
ClientSampled :

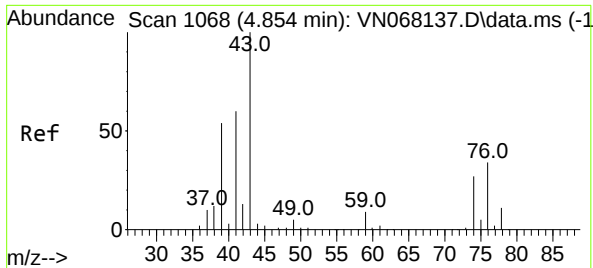
Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 7.494 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

Tgt Ion: 43 Resp: 9790
Ion Ratio Lower Upper
43 100
58 34.6 21.2 31.8#

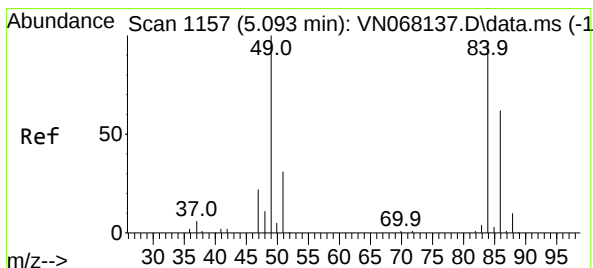
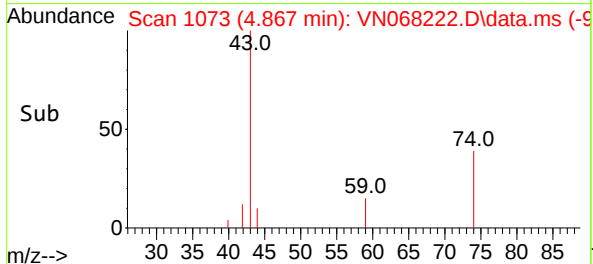
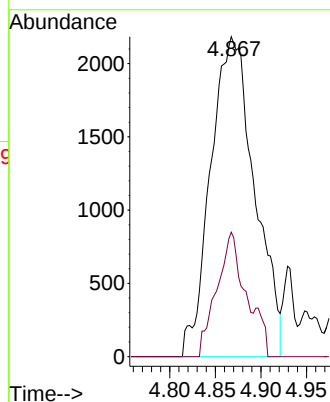
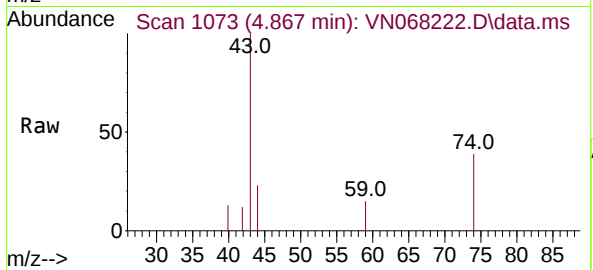




#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

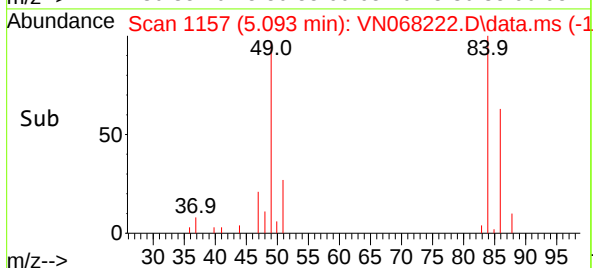
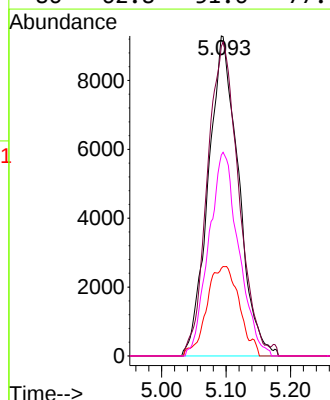
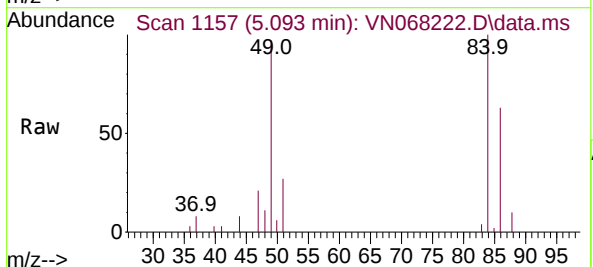
Instrument :
MSVOA_N
ClientSampled :

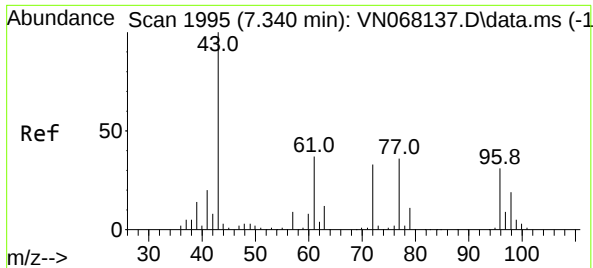
Tgt Ion: 43 Resp: 7324
Ion Ratio Lower Upper
43 100
74 23.2 17.4 26.0



#20
Methylene Chloride
Concen: 6.513 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

Tgt Ion: 84 Resp: 30224
Ion Ratio Lower Upper
84 100
49 96.7 110.9 166.3#
51 27.4 32.6 49.0#
86 62.8 51.6 77.4

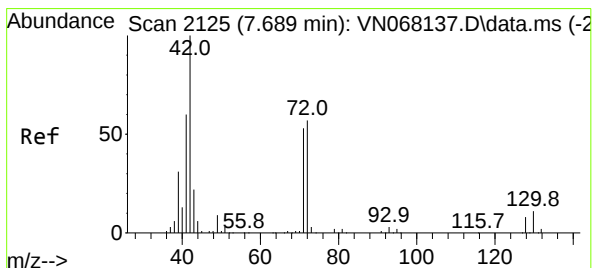
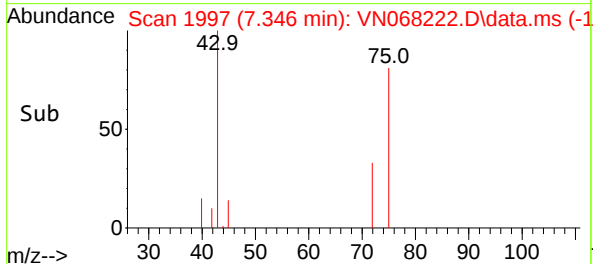
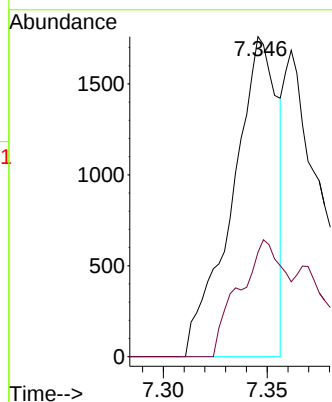
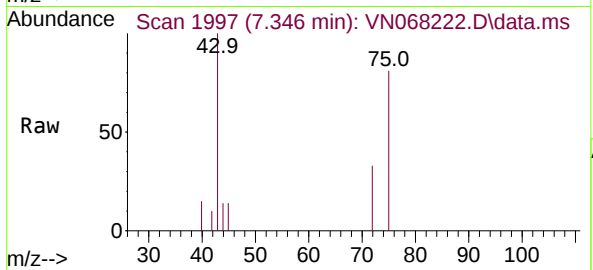




#25
2-Butanone
Concen: 1.304 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. 0.006 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

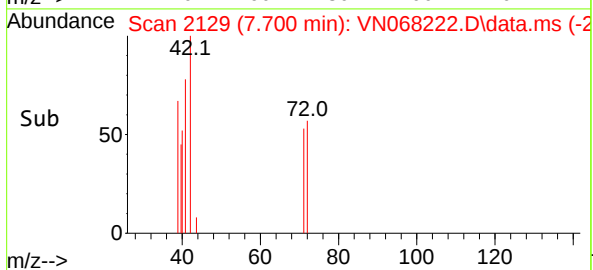
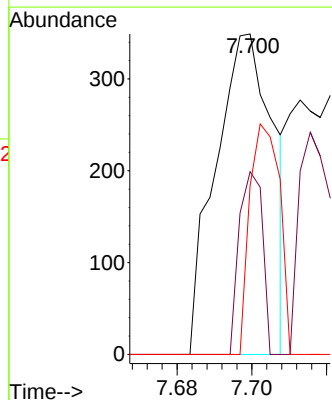
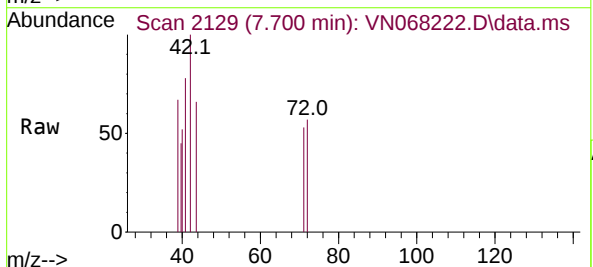
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MSVOA_N
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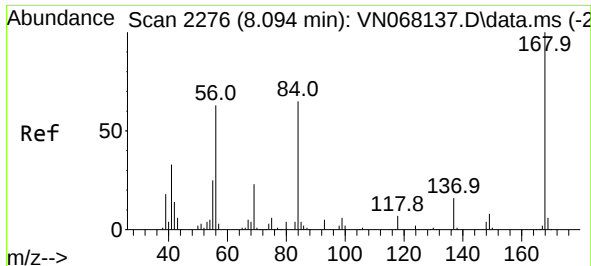
Tgt Ion: 43 Resp: 2655
Ion Ratio Lower Upper
43 100
72 32.6 19.7 29.5#



#29
Tetrahydrofuran
Concen: 0.286 ug/l
RT: 7.700 min Scan# 2129
Delta R.T. 0.011 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

Tgt Ion: 42 Resp: 373
Ion Ratio Lower Upper
42 100
72 23.1 32.8 49.2#
71 37.3 31.2 46.8

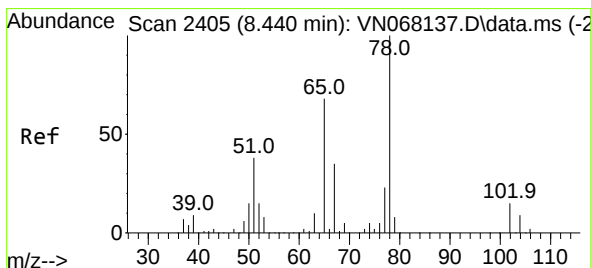
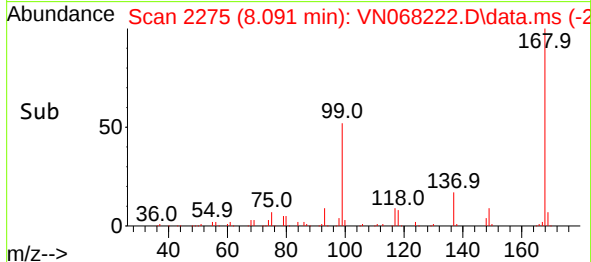
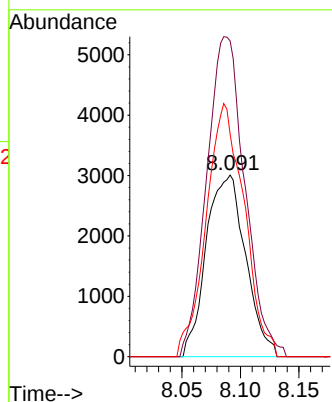
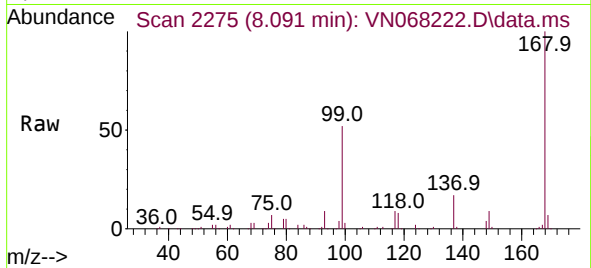




#31
Cyclohexane
Concen: 1.197 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

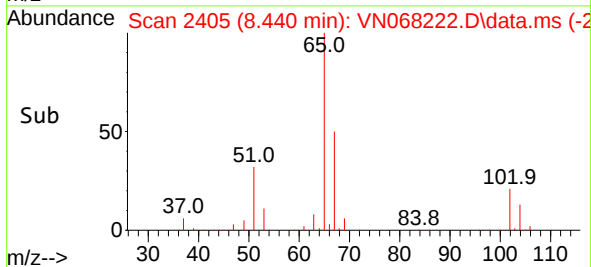
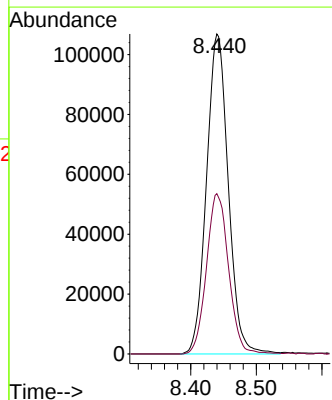
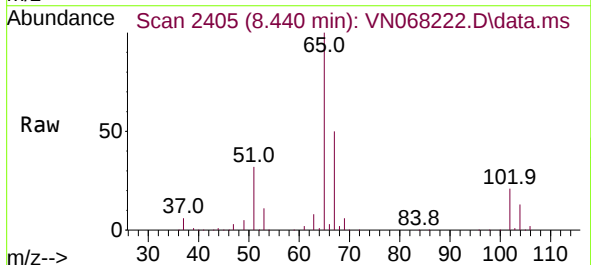
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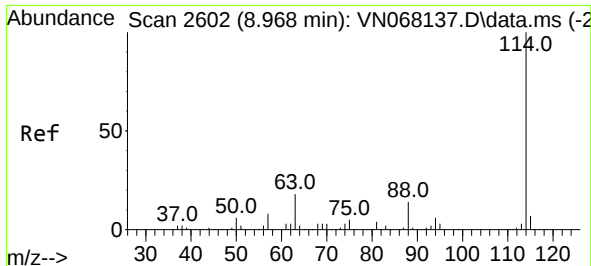
Tgt Ion: 56 Resp: 7054
Ion Ratio Lower Upper
56 100
69 174.0 27.3 40.9#
84 122.7 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 55.043 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

Tgt Ion: 65 Resp: 246280
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.6

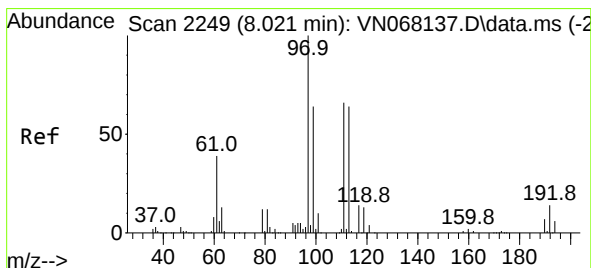
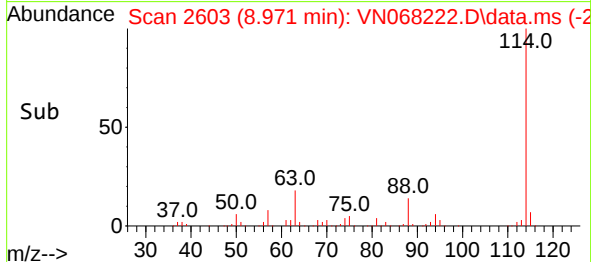
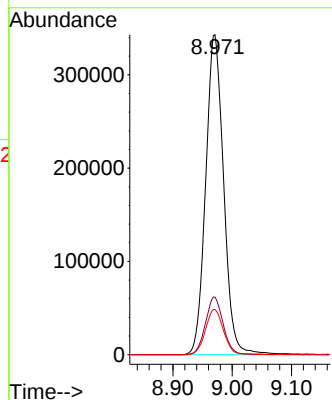
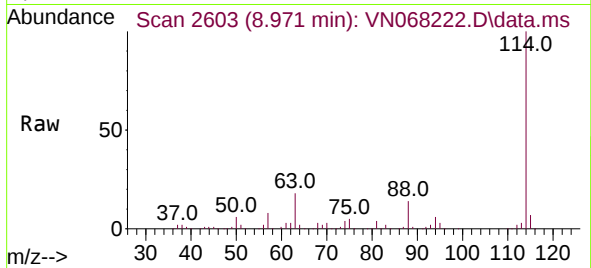




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

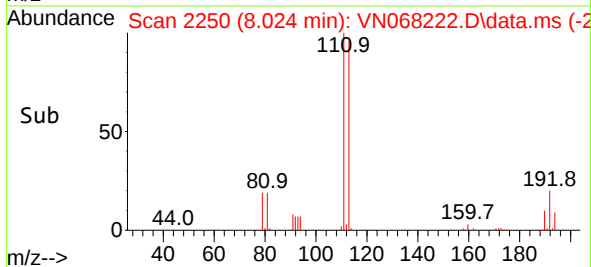
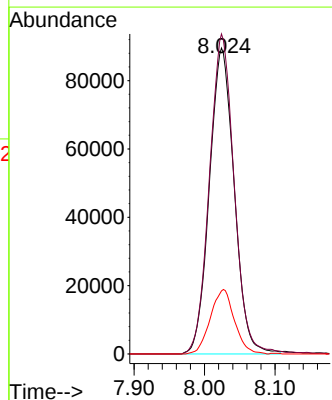
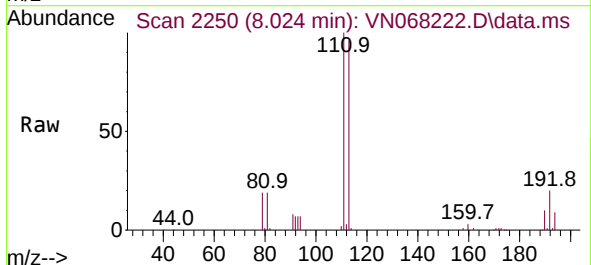
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ClientSampled :

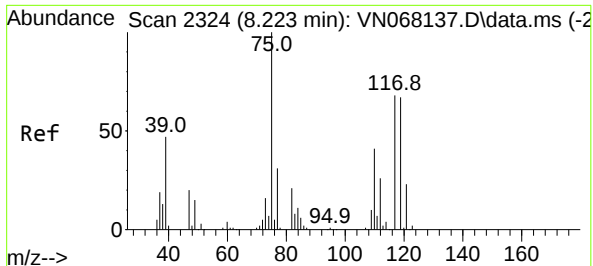
Tgt Ion:114 Resp: 720460
Ion Ratio Lower Upper
114 100
63 18.0 0.0 49.0
88 14.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.337 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

Tgt Ion:113 Resp: 218638
Ion Ratio Lower Upper
113 100
111 104.1 83.8 125.8
192 20.5 13.4 20.0#

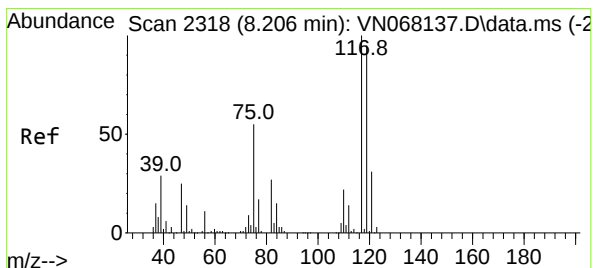
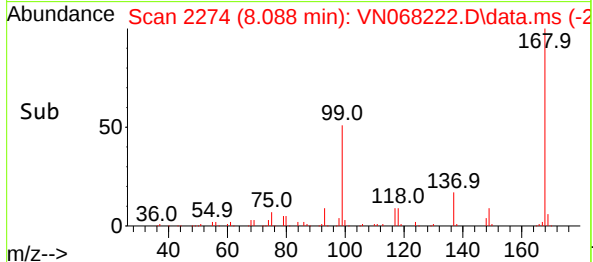
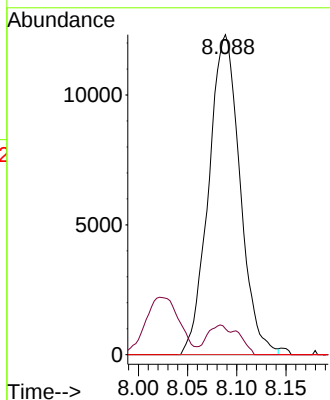
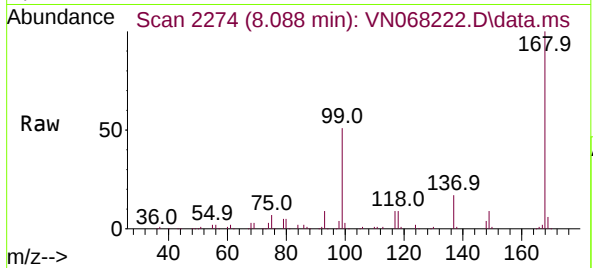




#36
1,1-Dichloropropene
Concen: 4.643 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

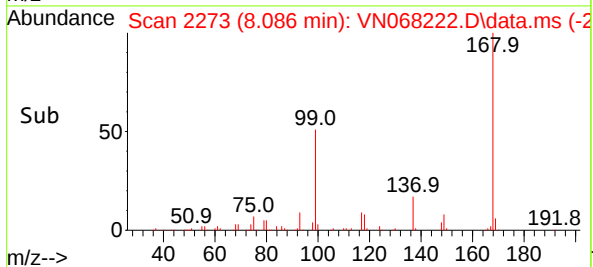
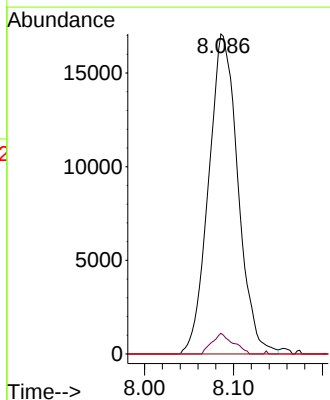
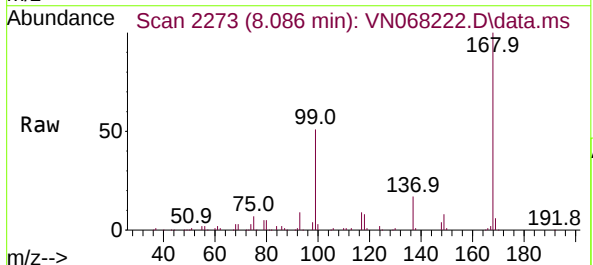
Instrument :
MSVOA_N
ClientSampled :

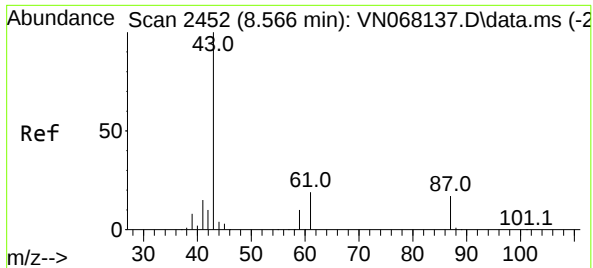
Tgt Ion: 75 Resp: 27345
Ion Ratio Lower Upper
75 100
110 4.2 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.762 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

Tgt Ion: 117 Resp: 39142
Ion Ratio Lower Upper
117 100
119 6.4 75.4 113.2#
121 0.0 23.5 35.3#

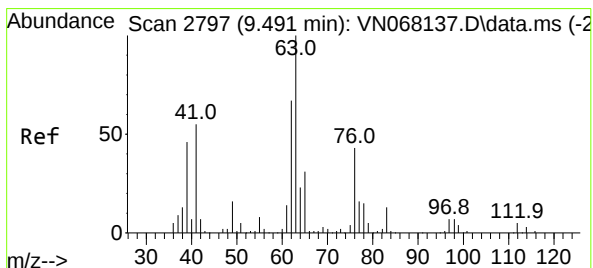
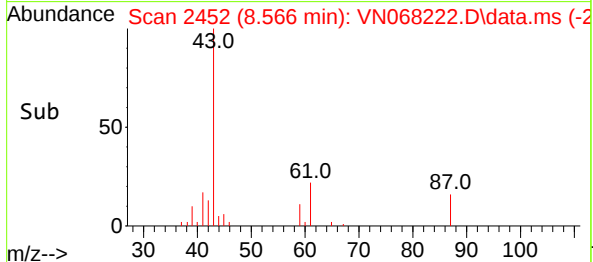
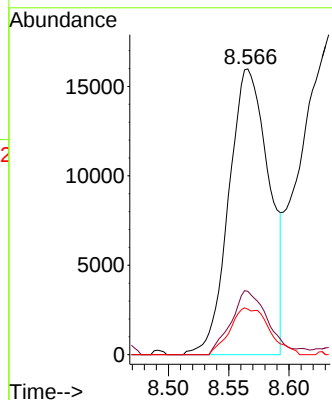
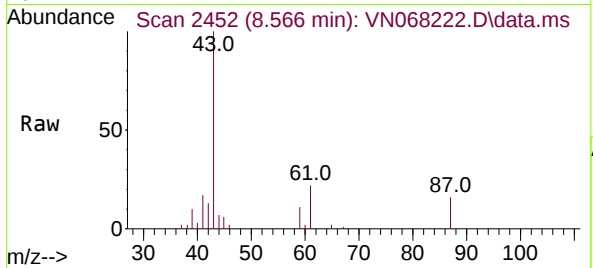




#43
Isopropyl Acetate
Concen: 4.598 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

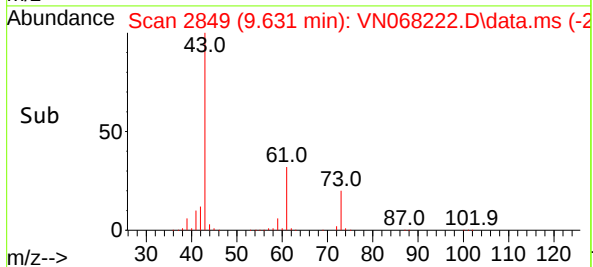
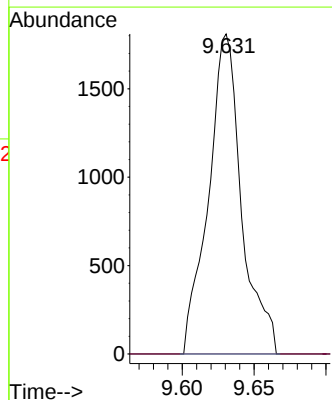
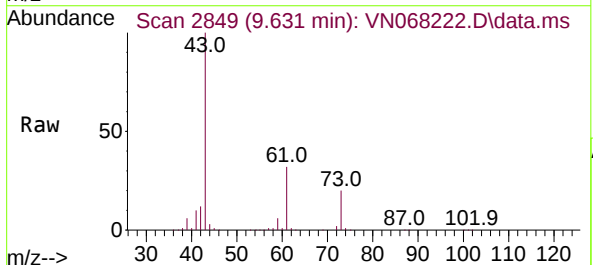
Instrument :
MSVOA_N
ClientSampled :

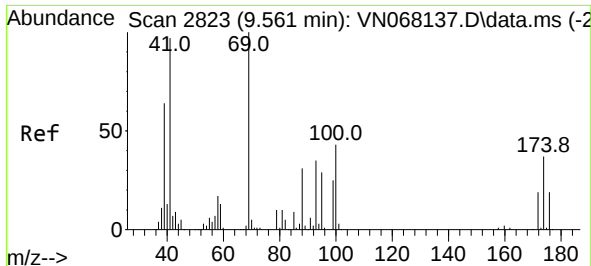
Tgt Ion: 43 Resp: 36952
Ion Ratio Lower Upper
43 100
61 20.3 19.0 28.4
87 15.9 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.687 ug/l
RT: 9.631 min Scan# 2849
Delta R.T. 0.140 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

Tgt Ion: 63 Resp: 2906
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

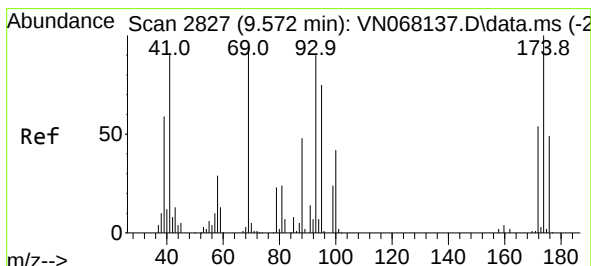
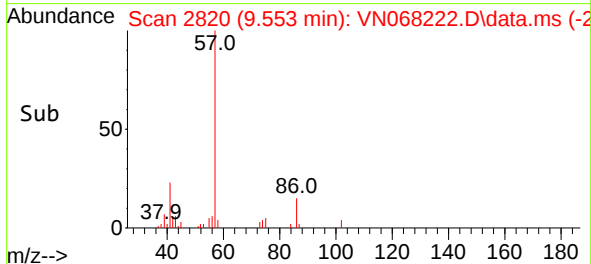
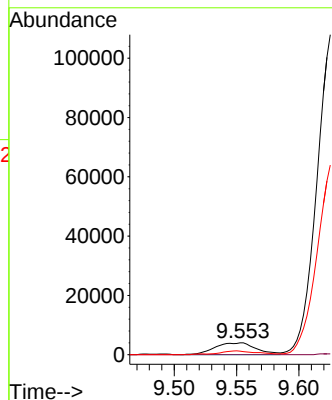
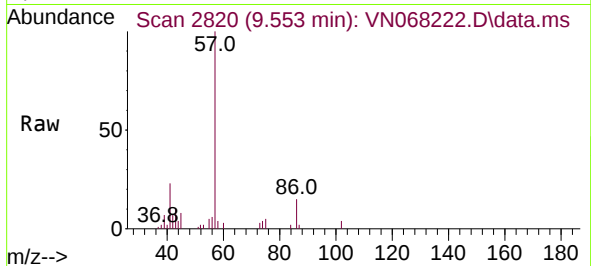




#48
Methyl methacrylate
Concen: 2.765 ug/l
RT: 9.553 min Scan# 2820
Delta R.T. -0.008 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

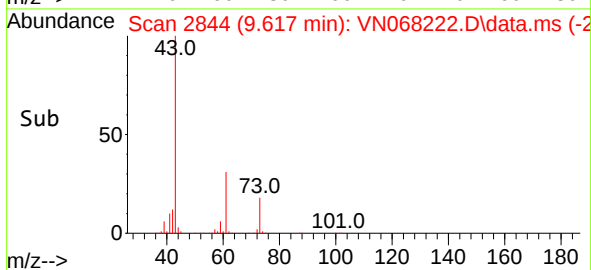
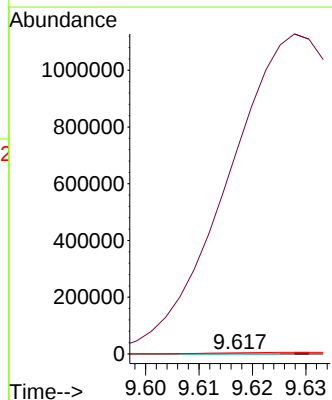
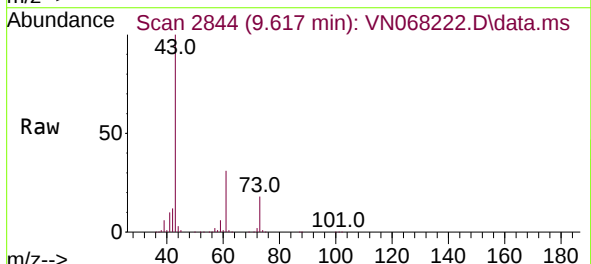
Instrument :
MSVOA_N
ClientSampled :

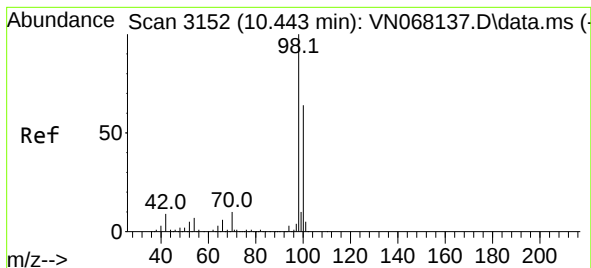
Tgt Ion: 41 Resp: 9260
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 3.026 ug/l
RT: 9.617 min Scan# 2844
Delta R.T. 0.045 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

Tgt Ion: 88 Resp: 245
Ion Ratio Lower Upper
88 100
43 866495.5 28.8 43.2#
58 4605.7 60.4 90.6#

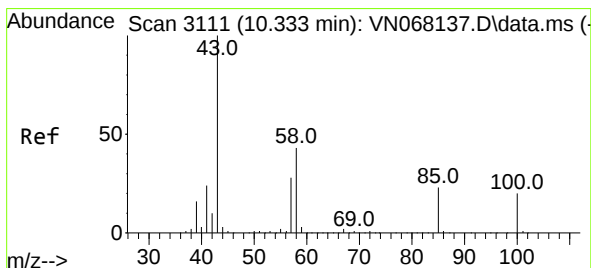
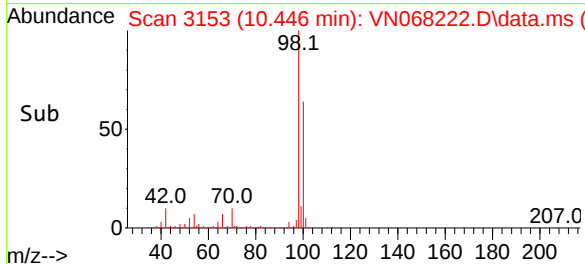
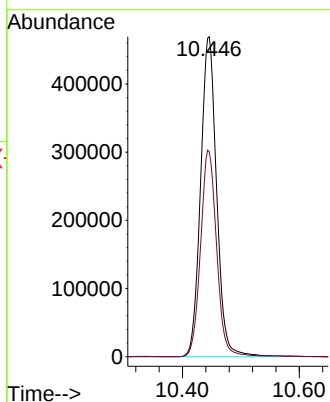
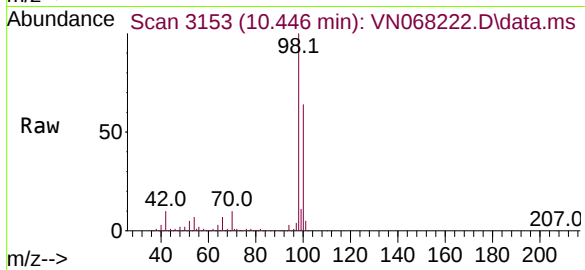




#50
Toluene-d8
Concen: 51.897 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

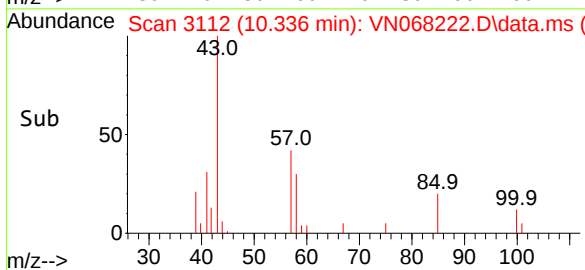
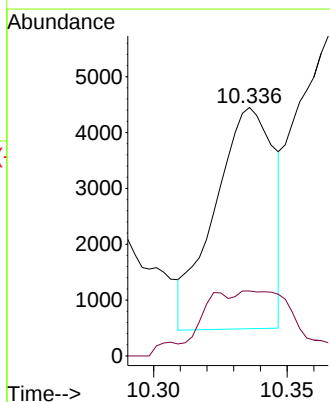
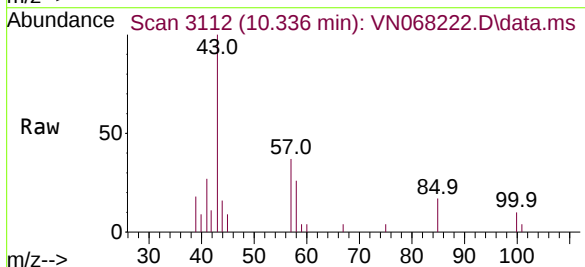
Instrument :
MSVOA_N
ClientSampled :

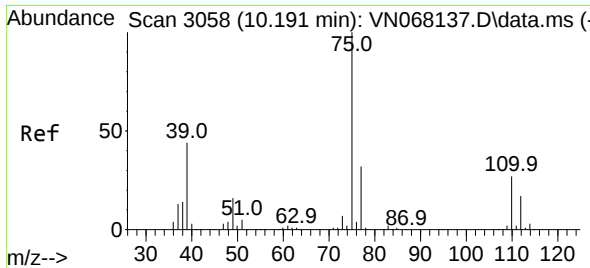
Tgt Ion: 98 Resp: 894458
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.238 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

Tgt Ion: 43 Resp: 6111
Ion Ratio Lower Upper
43 100
58 16.5 28.6 43.0#

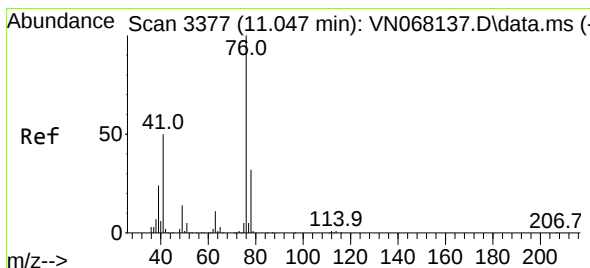
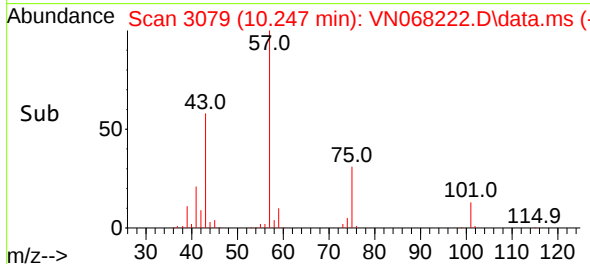
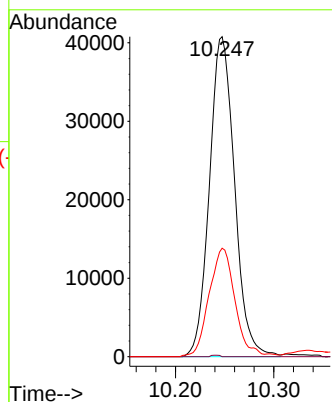
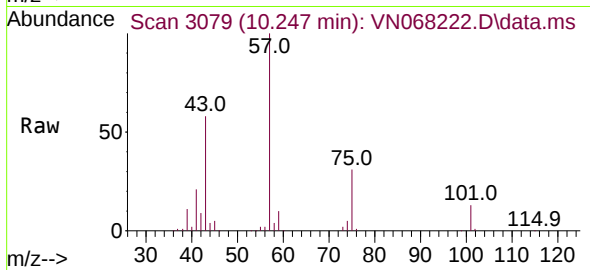




#54
 cis-1,3-Dichloropropene
 Concen: 10.617 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068222.D
 Acq: 19 Aug 2021 17:28

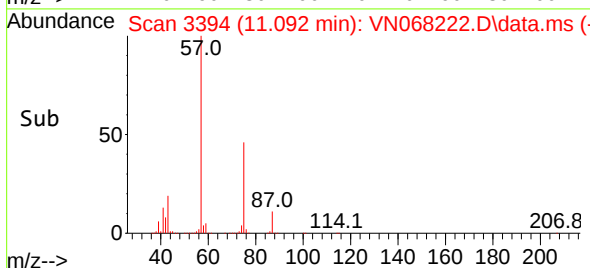
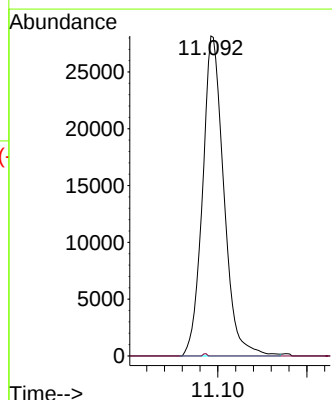
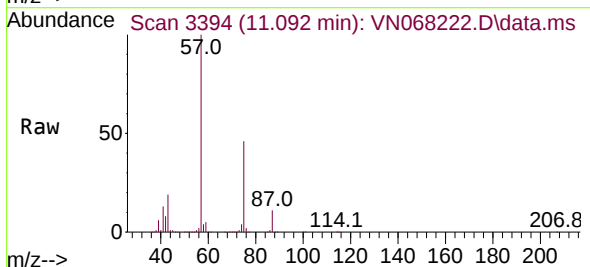
Instrument :
 MSVOA_N
 ClientSampleId :

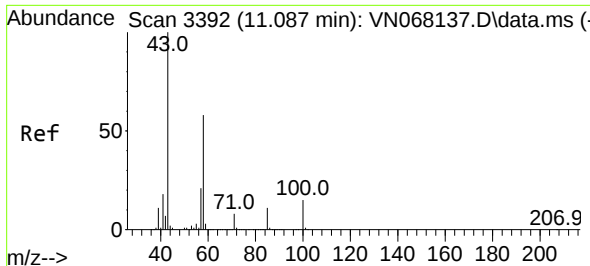
Tgt Ion: 75 Resp: 72413
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 33.9 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 6.201 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.045 min
 Lab File: VN068222.D
 Acq: 19 Aug 2021 17:28

Tgt Ion: 76 Resp: 46770
 Ion Ratio Lower Upper
 76 100
 78 0.1 25.7 38.5#

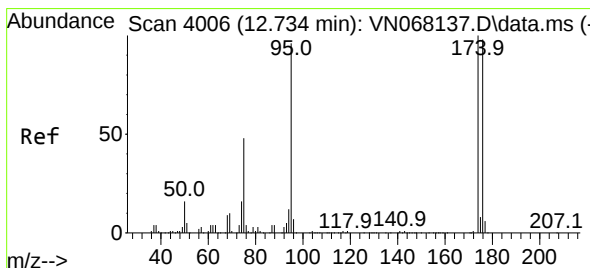
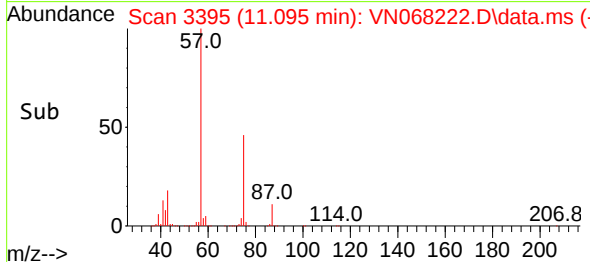
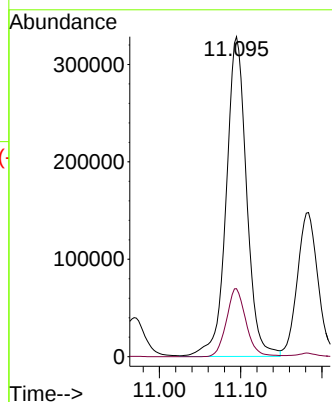
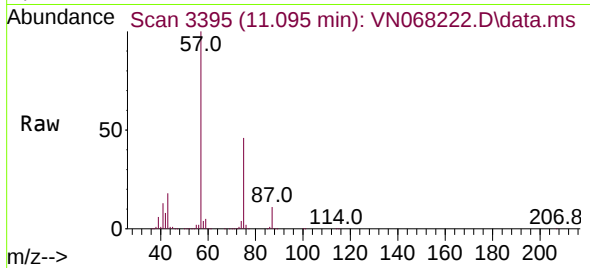




#59
2-Hexanone
Concen: 166.879 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

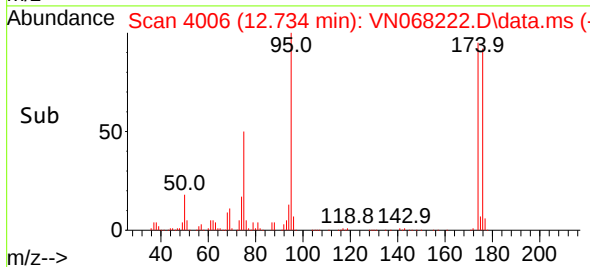
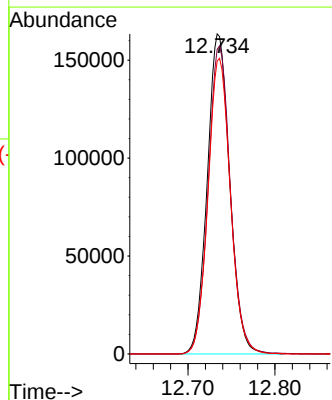
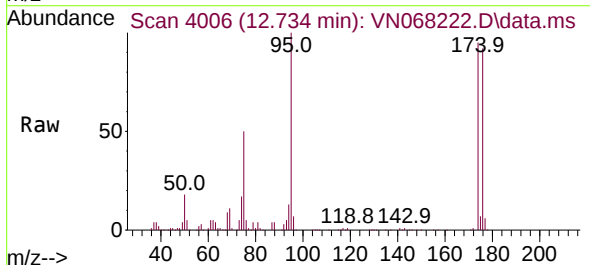
Instrument :
MSVOA_N
ClientSampled :

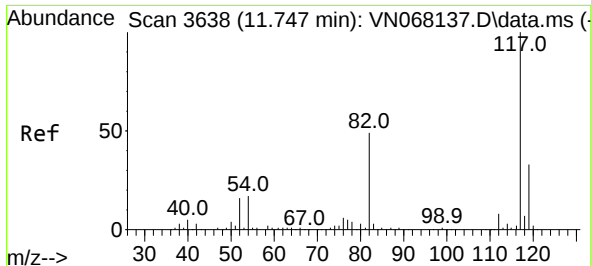
Tgt Ion: 43 Resp: 572070
Ion Ratio Lower Upper
43 100
58 20.5 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 51.228 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

Tgt Ion: 95 Resp: 293918
Ion Ratio Lower Upper
95 100
174 95.7 0.0 122.0
176 92.0 0.0 117.6

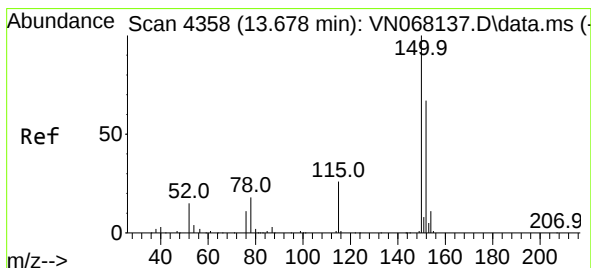
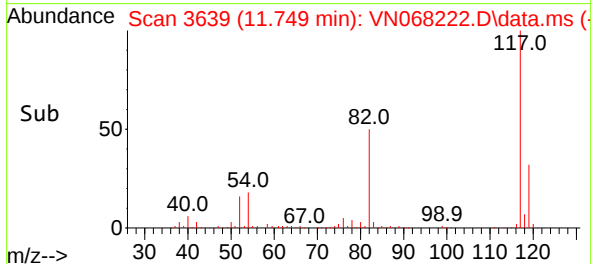
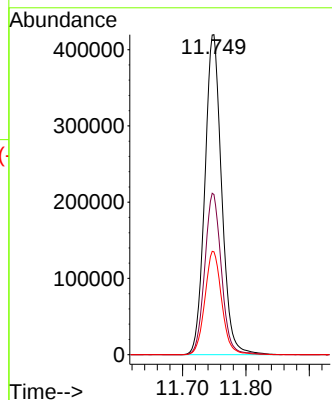
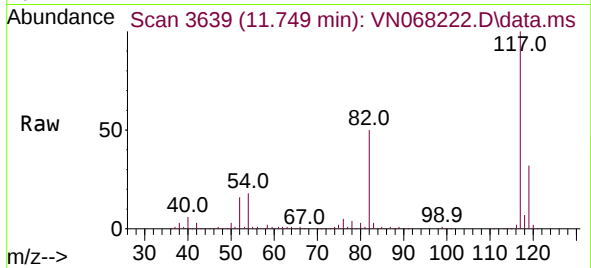




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

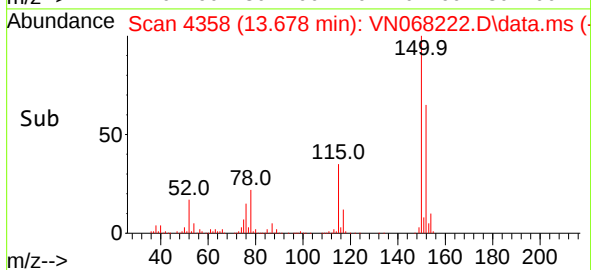
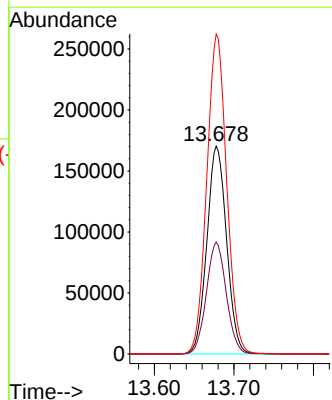
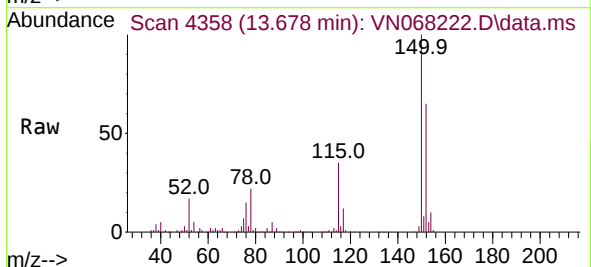
Instrument :
MSVOA_N
ClientSampled :

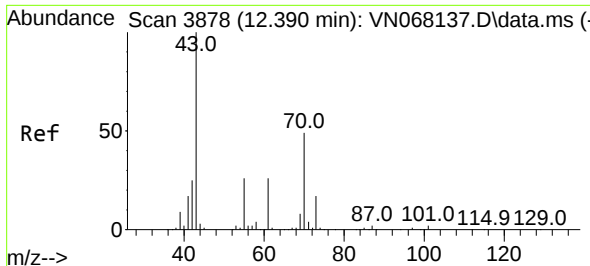
Tgt Ion:117 Resp: 773857
Ion Ratio Lower Upper
117 100
82 50.0 53.1 79.7#
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

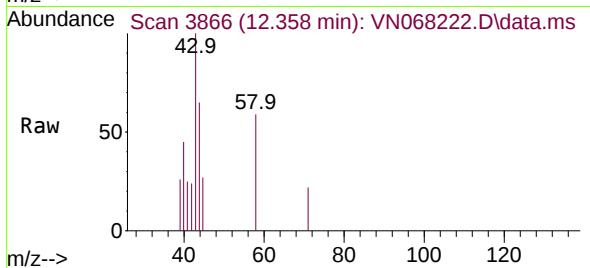
Tgt Ion:152 Resp: 294066
Ion Ratio Lower Upper
152 100
115 54.2 36.1 108.5
150 155.0 0.0 351.8



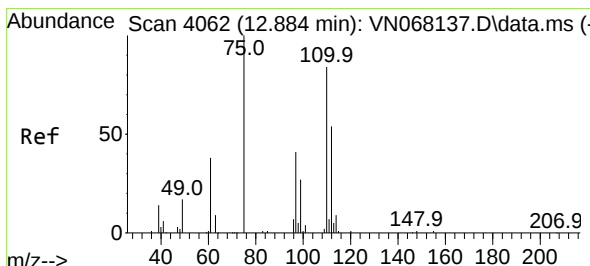
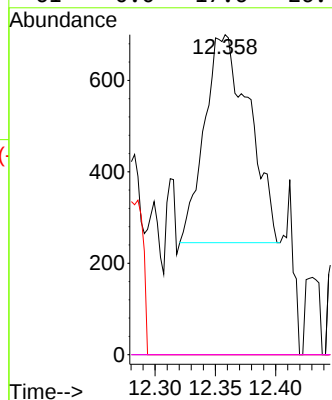
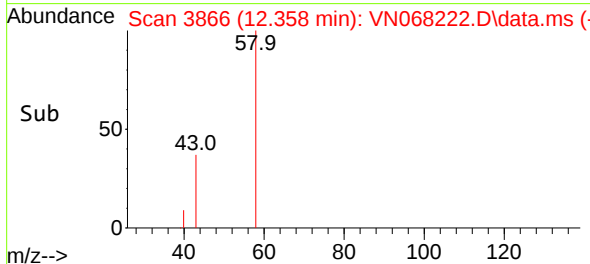


#74
N-amy1 acetate
Concen: 0.215 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.032 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

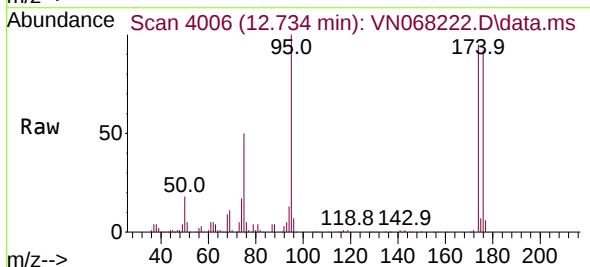
Instrument :
MSVOA_N
ClientSampleId :



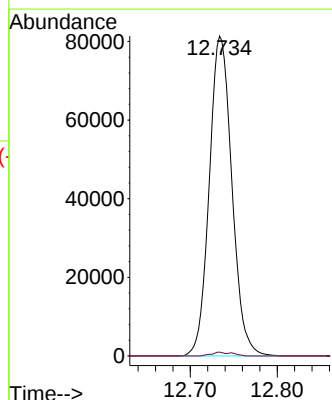
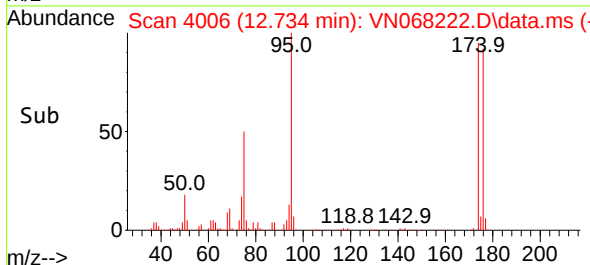
Tgt Ion: 43	Resp: 1173
Ion Ratio	Lower Upper
43 100	
70 0.0	29.4 44.2#
55 0.0	17.0 25.4#
61 0.0	17.6 26.4#

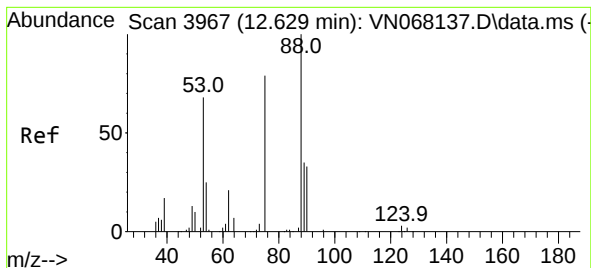


#76
1,2,3-Trichloropropane
Concen: 30.084 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28



Tgt Ion: 75	Resp: 147041
Ion Ratio	Lower Upper
75 100	
77 0.7	0.0 0.0#

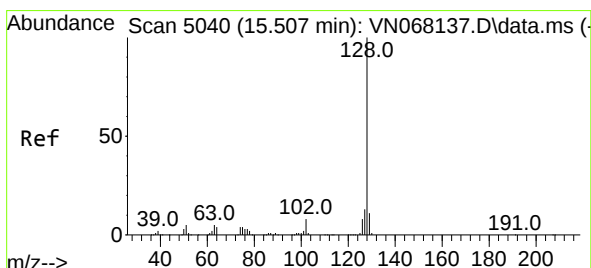
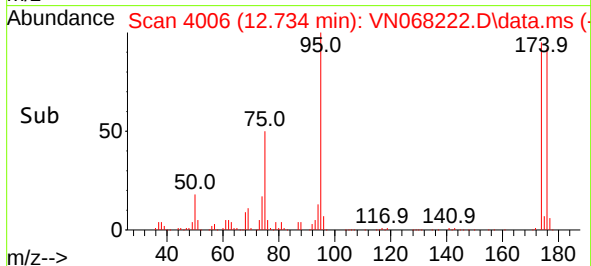
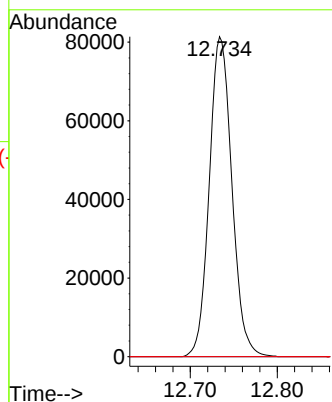
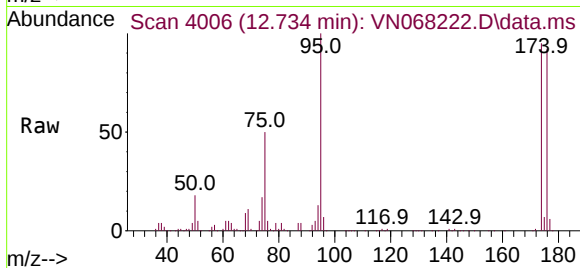




#81
trans-1,4-Dichloro-2-butene
Concen: 98.560 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

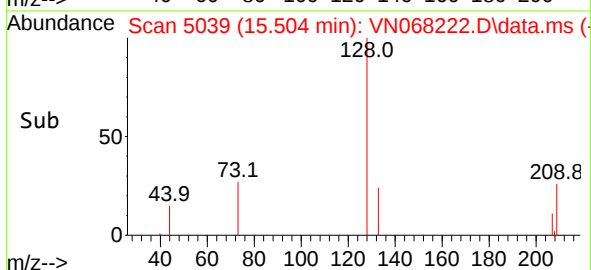
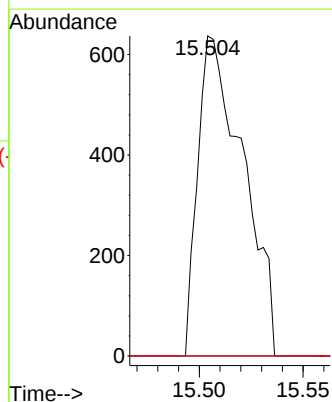
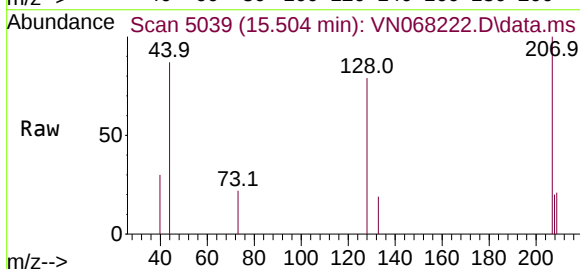
Instrument :
MSVOA_N
ClientSampled :

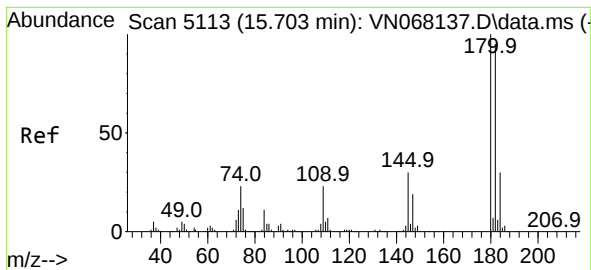
Tgt Ion: 75 Resp: 147041
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.422 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN068222.D
Acq: 19 Aug 2021 17:28

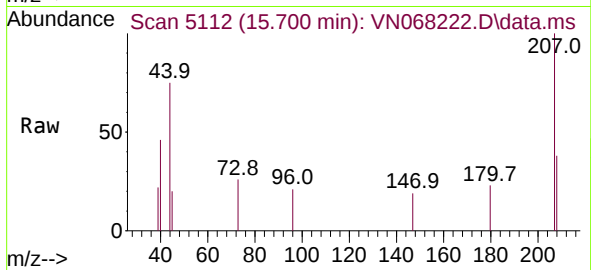
Tgt Ion:128 Resp: 964
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.848 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.003 min
 Lab File: VN068222.D
 Acq: 19 Aug 2021 17:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 84
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 0.0 18.2 54.6#

