

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068215.D
 Acq On : 19 Aug 2021 14:35
 Operator : JC/MD
 Sample : M3463-41
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 01:53:56 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)

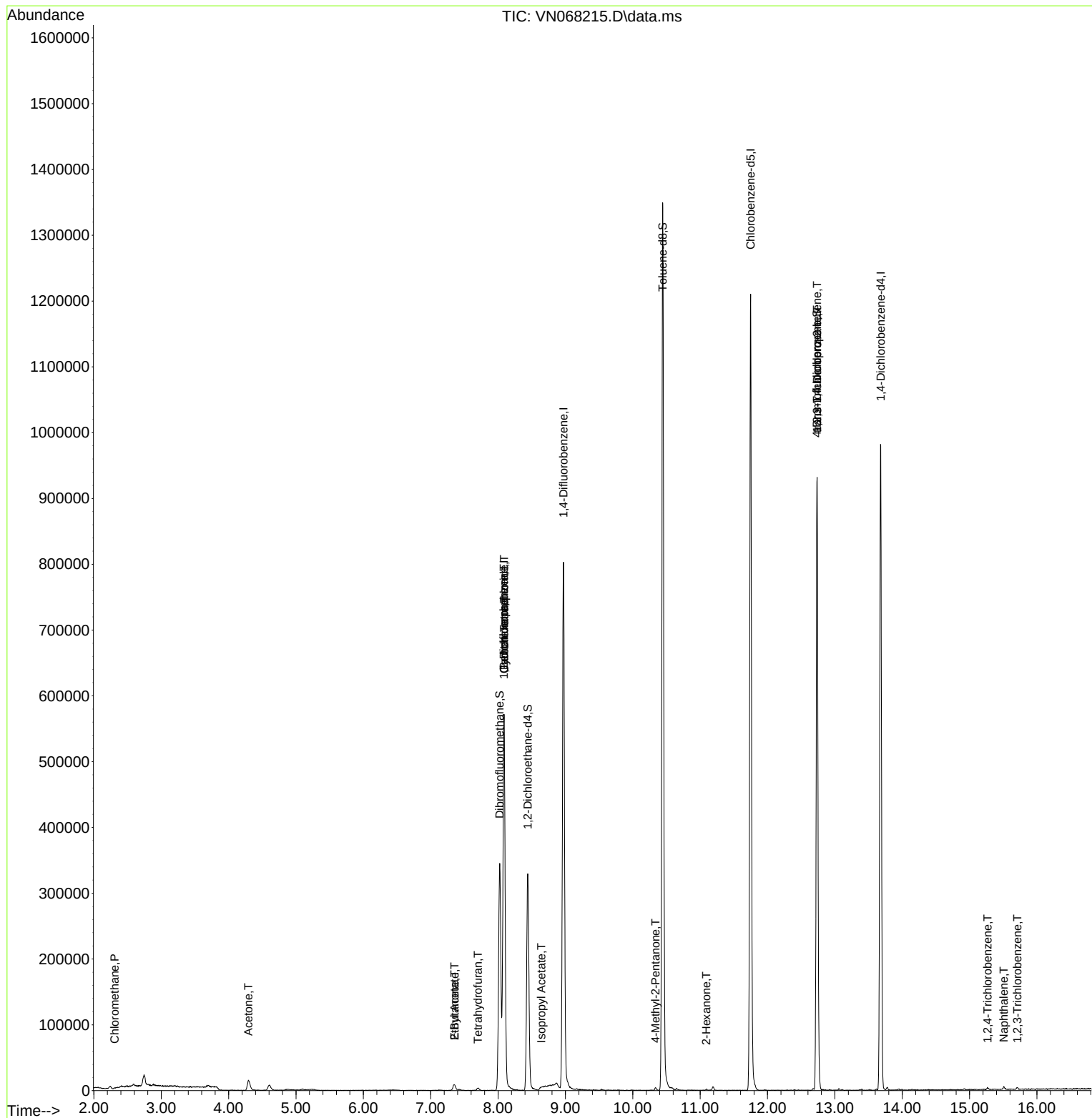
Internal Standards						
1) Pentafluorobenzene	8.088	168	467361	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	786658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	776293	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	298680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	280816	56.274	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 112.540%		
35) Dibromofluoromethane	8.024	113	253771	51.383	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 102.760%		
50) Toluene-d8	10.443	98	998695	53.069	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 106.140%		
62) 4-Bromofluorobenzene	12.733	95	316799	50.569	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 101.140%		
Target Compounds						
						Qvalue
3) Chloromethane	2.306	50	847	0.202	ug/l	92
5) Bromomethane	2.882	94	1369	Below Cal		98
6) Chloroethane	3.124	64	86	Below Cal	#	44
13) Acrolein	4.046	56	379	Below Cal		98
16) Acetone	4.293	43	27862	19.123	ug/l	# 85
18) Methyl Acetate	4.870	43	2888	Below Cal	#	80
20) Methylene Chloride	5.095	84	685	Below Cal	#	39
25) 2-Butanone	7.353	43	13630	6.003	ug/l	97
29) Tetrahydrofuran	7.702	42	2765	1.904	ug/l	# 74
31) Cyclohexane	8.091	56	8416	1.280	ug/l	# 1
36) 1,1-Dichloropropene	8.085	75	31259	4.861	ug/l	# 53
37) Ethyl Acetate	7.353	43	13630	2.488	ug/l	# 69
38) Carbon Tetrachloride	8.091	117	44779	6.037	ug/l	# 17
43) Isopropyl Acetate	8.643	43	3372	0.384	ug/l	# 58
51) 4-Methyl-2-Pentanone	10.338	43	3374	0.626	ug/l	# 80
59) 2-Hexanone	11.089	43	1428	0.382	ug/l	96
76) 1,2,3-Trichloropropane	12.736	75	163657	32.966	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	163657	108.003	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.268	180	1244	2.921	ug/l	# 82
95) Naphthalene	15.507	128	4317	3.688	ug/l	# 85
96) 1,2,3-Trichlorobenzene	15.710	180	668	2.965	ug/l	# 54

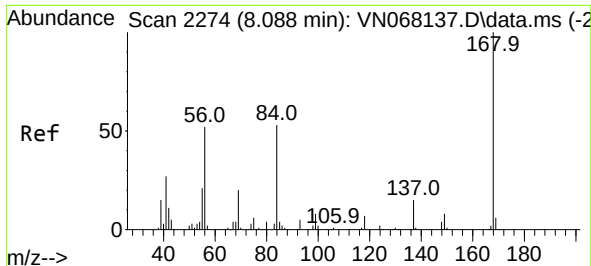
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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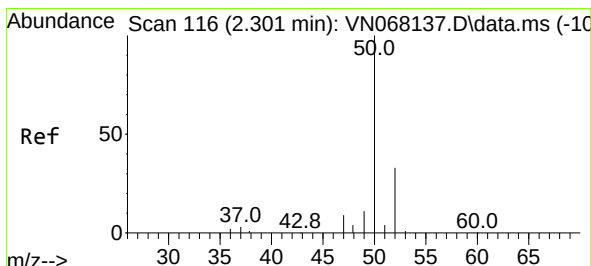
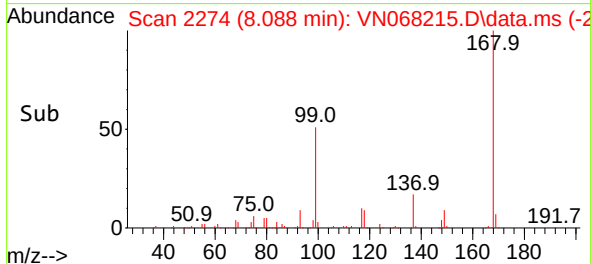
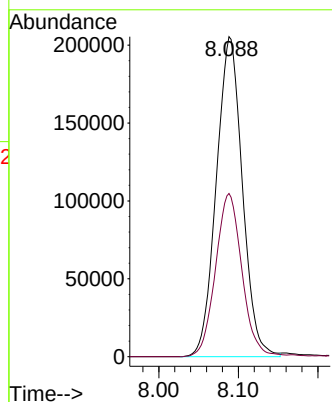
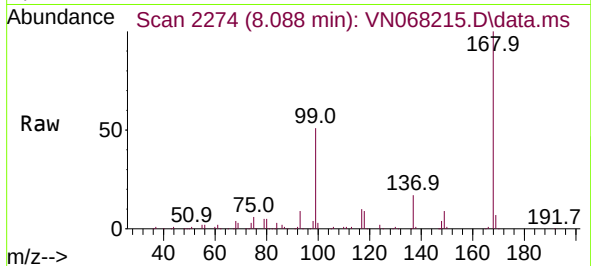




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

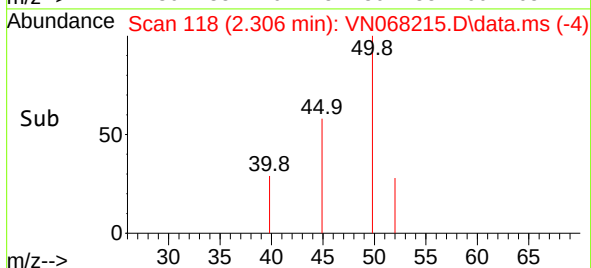
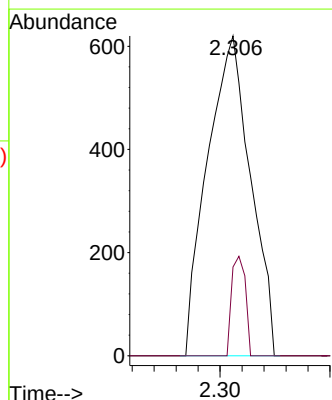
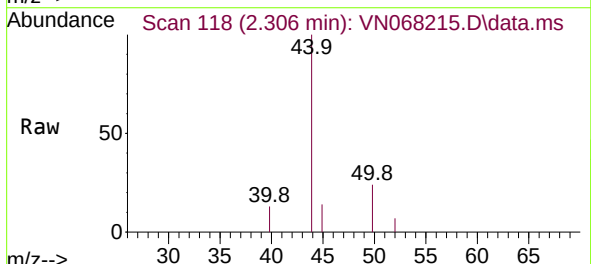
Instrument :
MSVOA_N
ClientSampled :

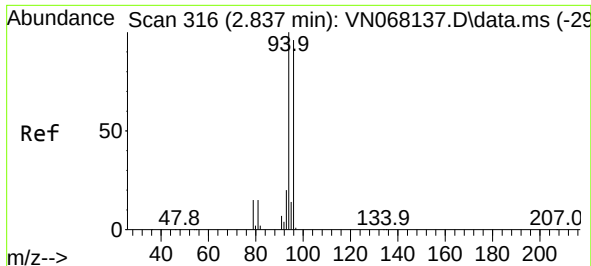
Tgt Ion:168 Resp: 467361
Ion Ratio Lower Upper
168 100
99 51.0 62.9 94.3#



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

Tgt Ion: 50 Resp: 847
Ion Ratio Lower Upper
50 100
52 27.7 25.6 38.4

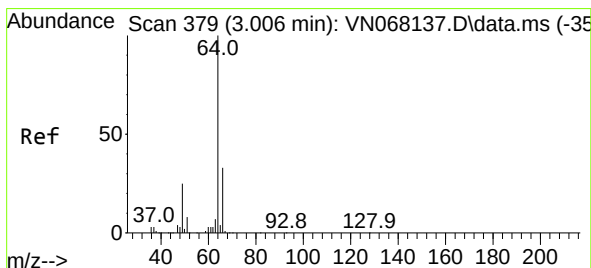
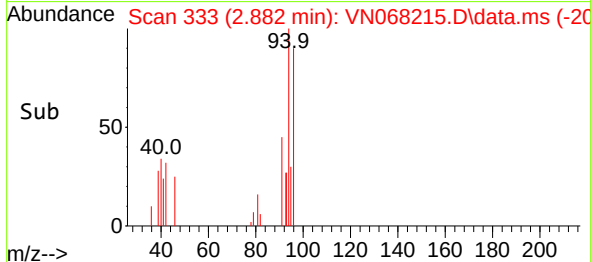
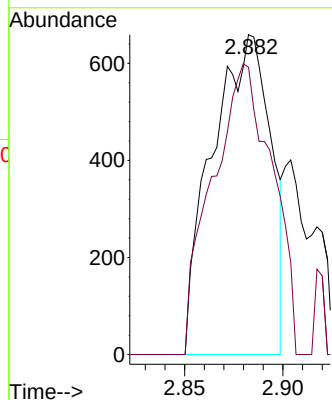
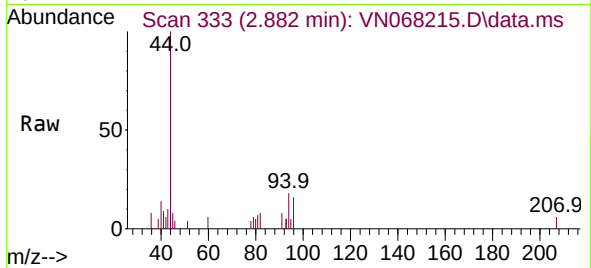




#5
Bromomethane
Concen: Below Cal
RT: 2.882 min Scan# 333
Delta R.T. 0.045 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

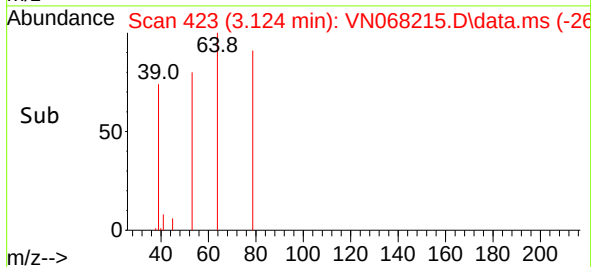
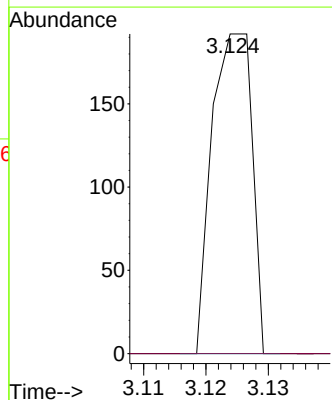
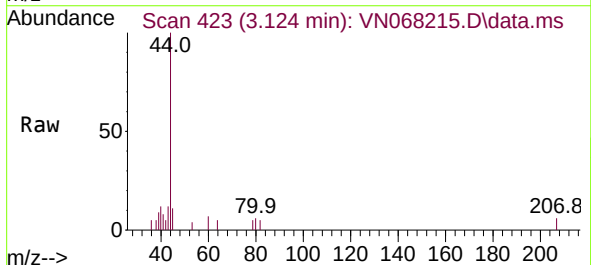
Instrument :
MSVOA_N
ClientSampled :

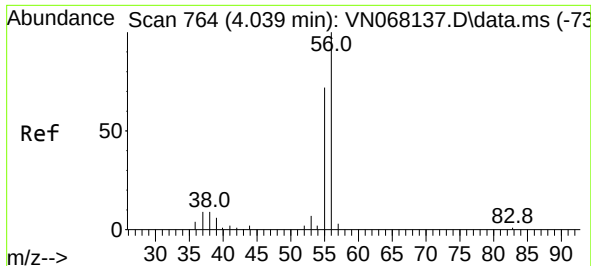
Tgt Ion: 94 Resp: 1369
Ion Ratio Lower Upper
94 100
96 89.8 73.7 110.5



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 423
Delta R.T. 0.118 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

Tgt Ion: 64 Resp: 86
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

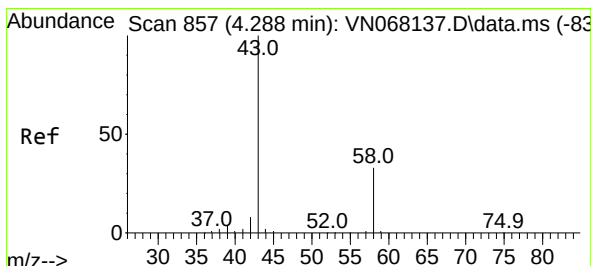
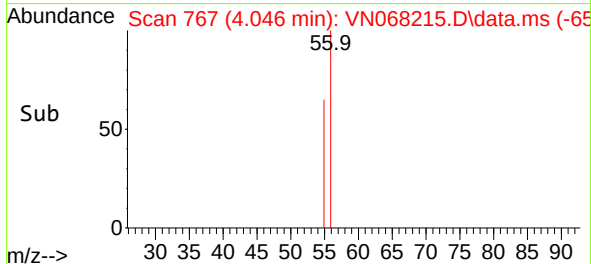
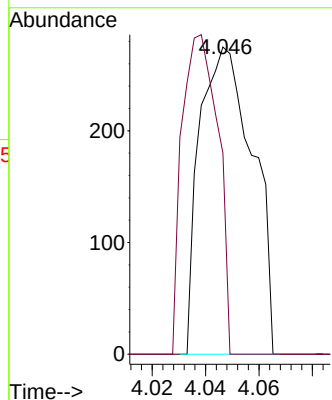
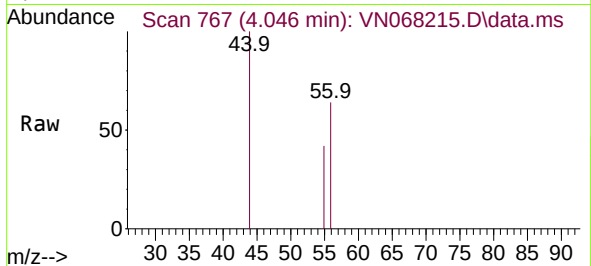




#13
Acrolein
Concen: Below Cal
RT: 4.046 min Scan# 767
Delta R.T. 0.007 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

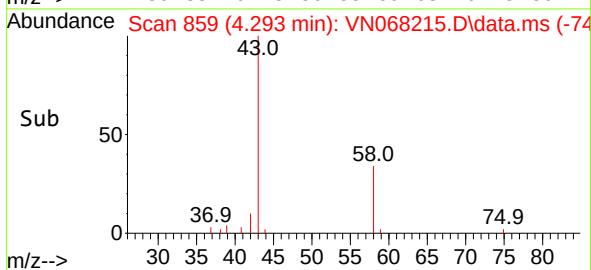
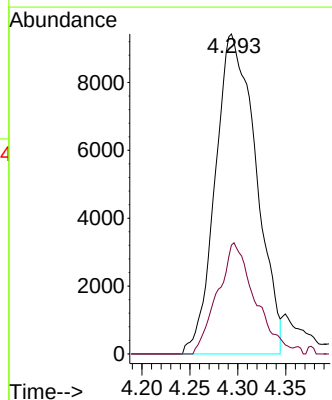
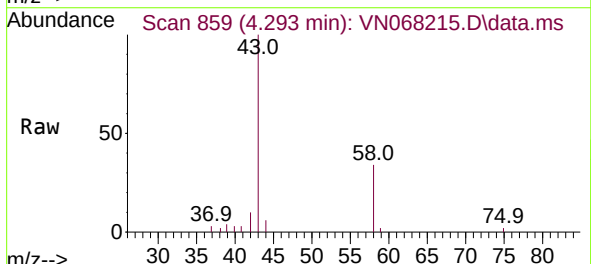
Instrument :
MSVOA_N
ClientSampleId :

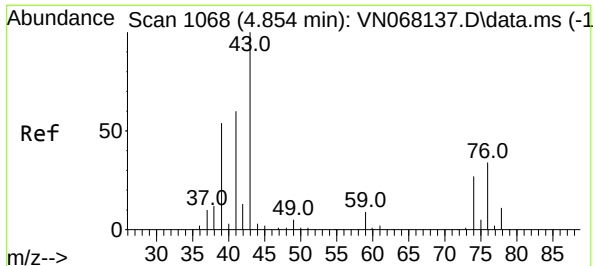
Tgt Ion: 56 Resp: 379
Ion Ratio Lower Upper
56 100
55 70.2 57.4 86.0



#16
Acetone
Concen: 19.123 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

Tgt Ion: 43 Resp: 27862
Ion Ratio Lower Upper
43 100
58 34.0 21.2 31.8#

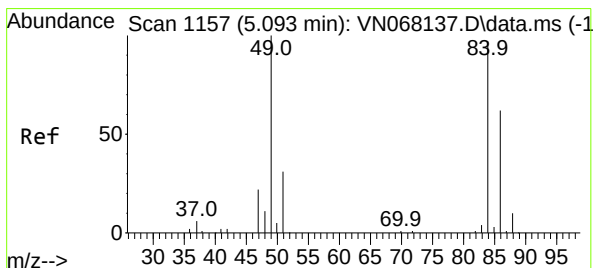
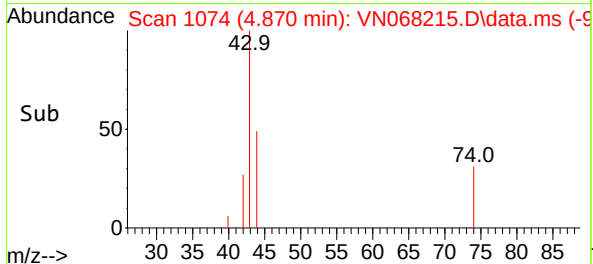
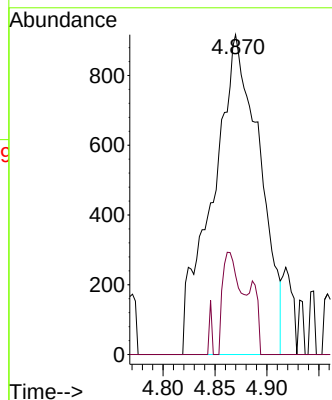
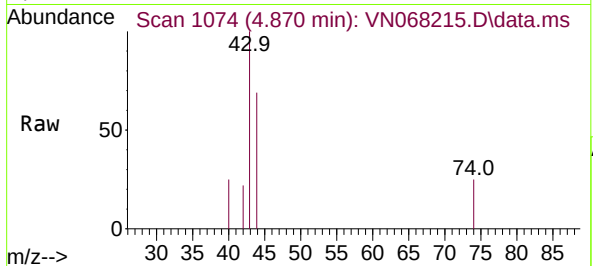




#18
Methyl Acetate
Concen: Below Cal
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

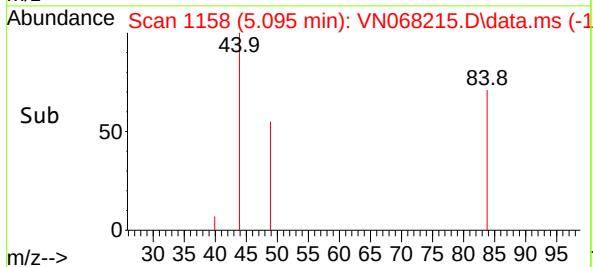
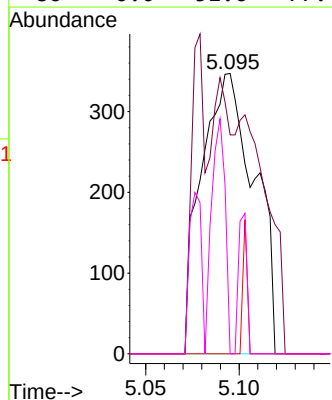
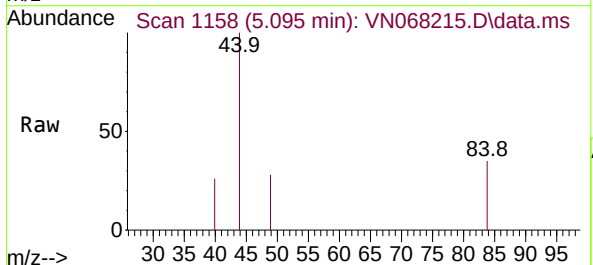
Instrument :
MSVOA_N
ClientSampleId :

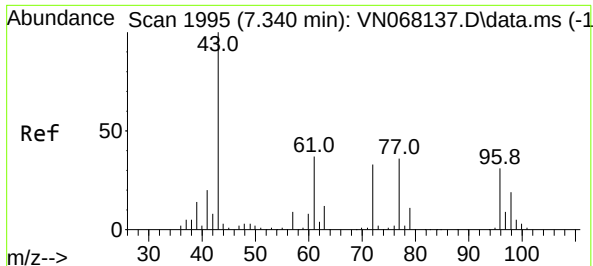
Tgt Ion: 43 Resp: 2888
Ion Ratio Lower Upper
43 100
74 12.4 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

Tgt Ion: 84 Resp: 685
Ion Ratio Lower Upper
84 100
49 78.1 110.9 166.3#
51 0.0 32.6 49.0#
86 0.0 51.6 77.4#

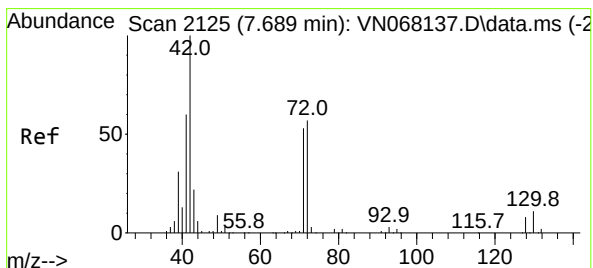
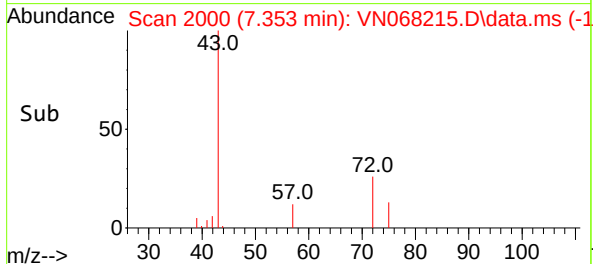
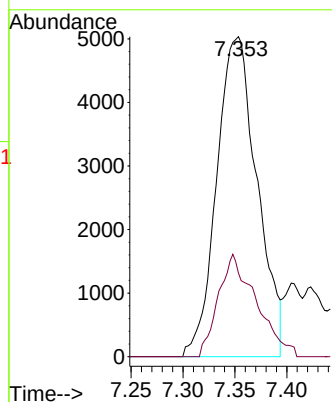
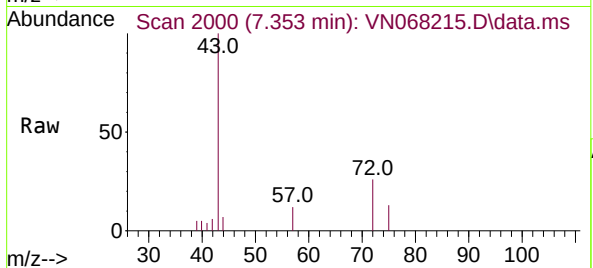




#25
2-Butanone
Concen: 6.003 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.013 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

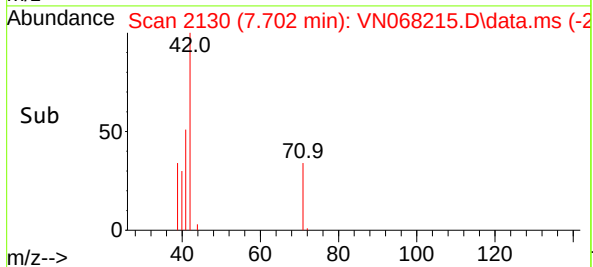
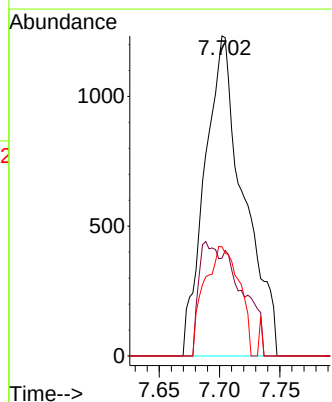
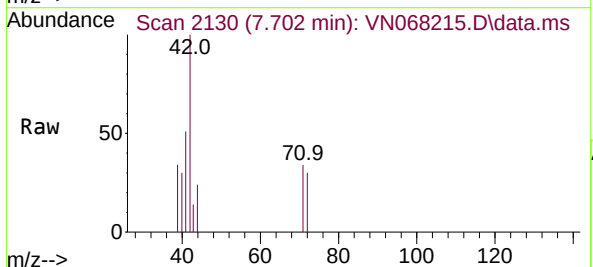
Instrument :
MSVOA_N
ClientSampleId :

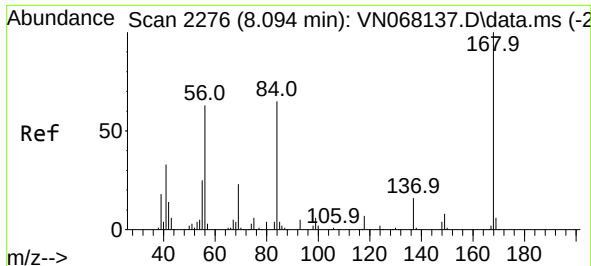
Tgt Ion: 43 Resp: 13630
Ion Ratio Lower Upper
43 100
72 26.1 19.7 29.5



#29
Tetrahydrofuran
Concen: 1.904 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.013 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

Tgt Ion: 42 Resp: 2765
Ion Ratio Lower Upper
42 100
72 17.4 32.8 49.2#
71 30.5 31.2 46.8#

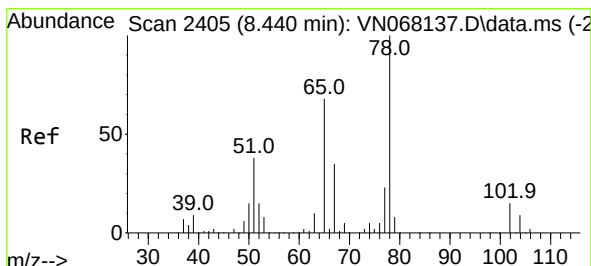
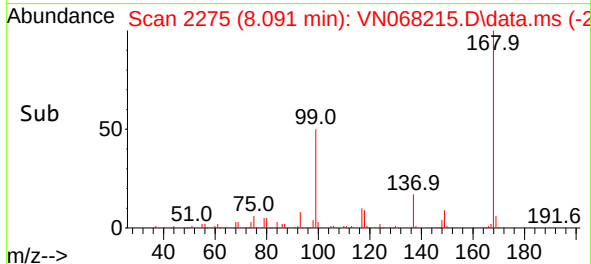
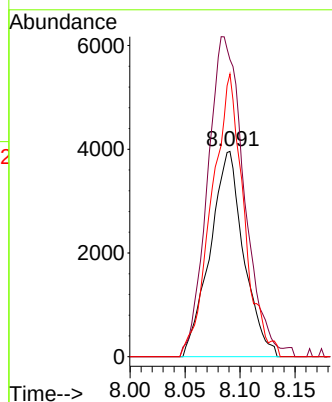
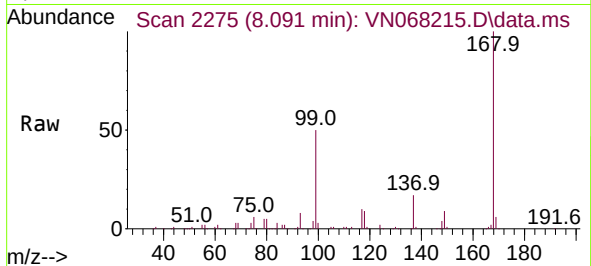




#31
Cyclohexane
Concen: 1.280 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

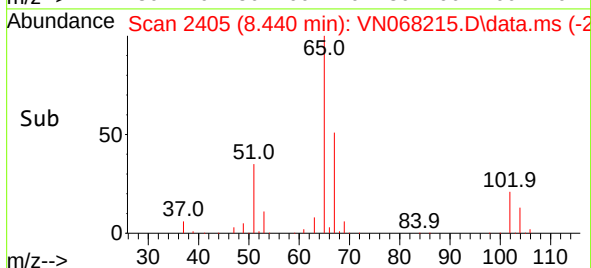
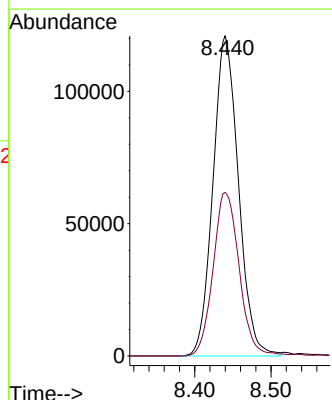
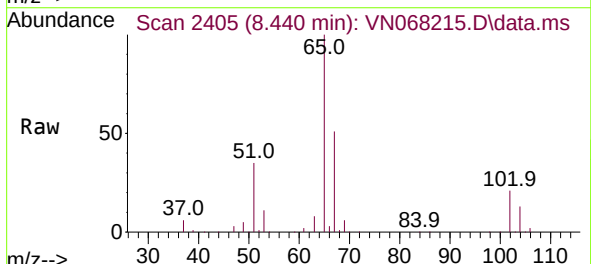
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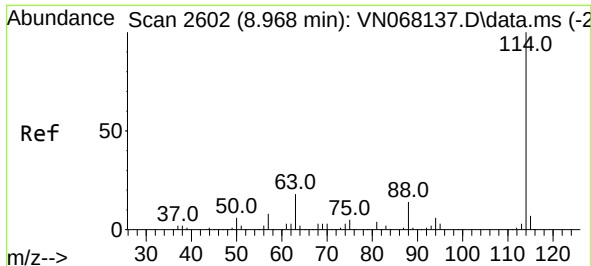
Tgt Ion: 56 Resp: 8416
Ion Ratio Lower Upper
56 100
69 144.7 27.3 40.9#
84 137.7 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 56.274 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

Tgt Ion: 65 Resp: 280816
Ion Ratio Lower Upper
65 100
67 52.3 0.0 98.6

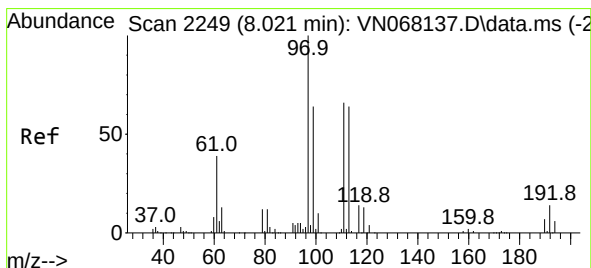
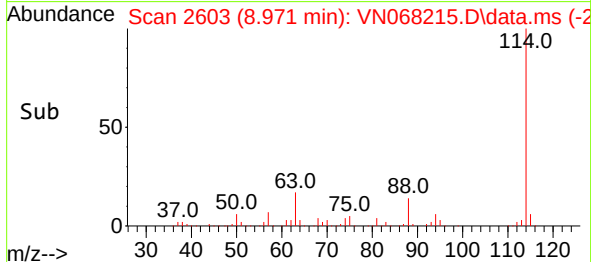
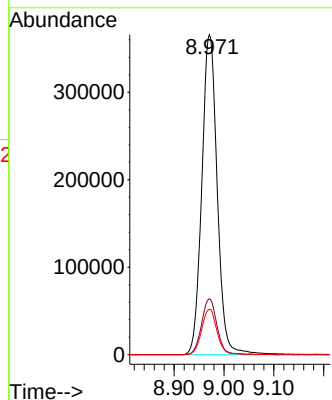
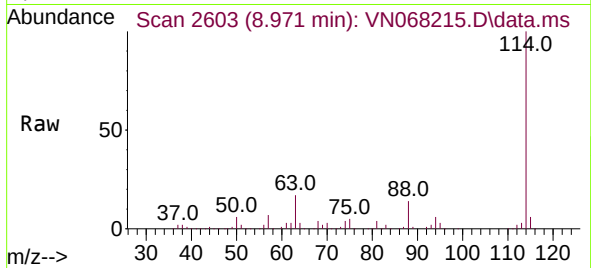




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

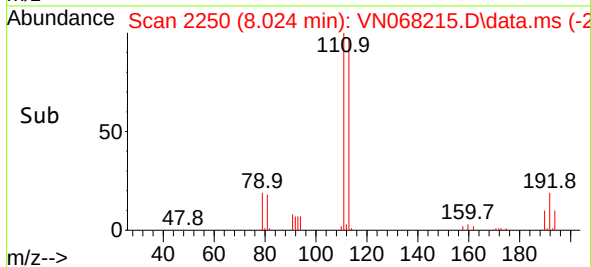
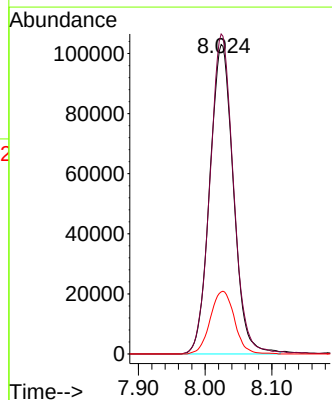
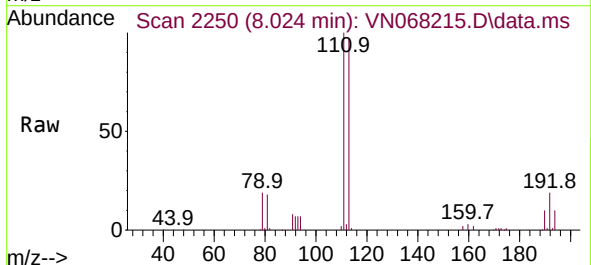
Instrument :
MSVOA_N
ClientSampled :

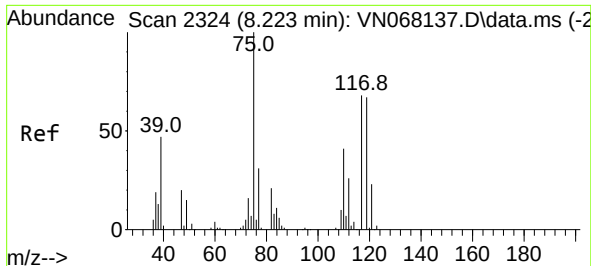
Tgt Ion:114 Resp: 786658
Ion Ratio Lower Upper
114 100
63 17.5 0.0 49.0
88 14.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.383 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

Tgt Ion:113 Resp: 253771
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.8
192 20.7 13.4 20.0#

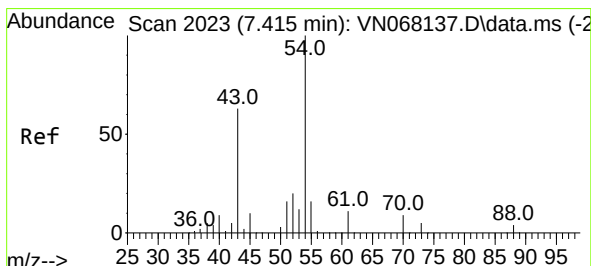
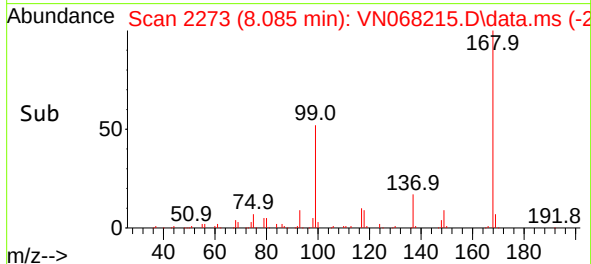
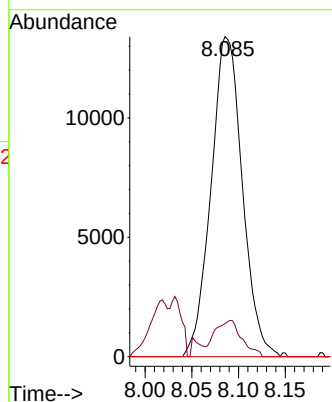
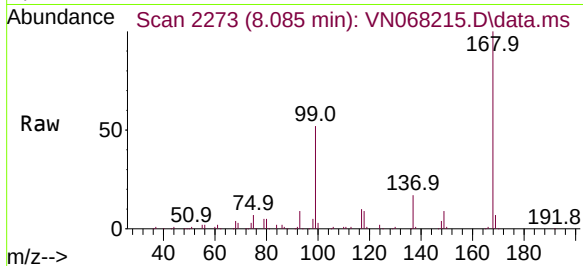




#36
 1,1-Dichloropropene
 Concen: 4.861 ug/l
 RT: 8.085 min Scan# 2273
 Delta R.T. -0.138 min
 Lab File: VN068215.D
 Acq: 19 Aug 2021 14:35

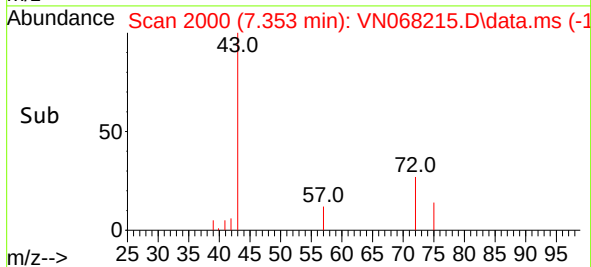
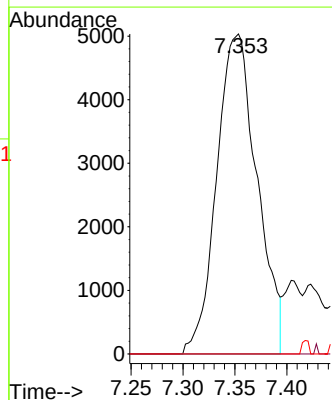
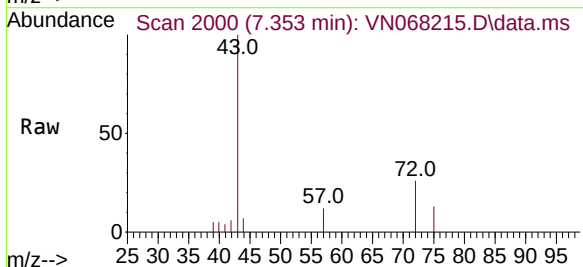
Instrument :
 MSVOA_N
 ClientSampled :

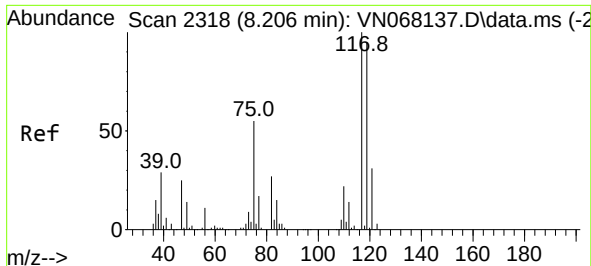
Tgt Ion: 75 Resp: 31259
 Ion Ratio Lower Upper
 75 100
 110 9.8 15.7 47.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 2.488 ug/l
 RT: 7.353 min Scan# 2000
 Delta R.T. -0.062 min
 Lab File: VN068215.D
 Acq: 19 Aug 2021 14:35

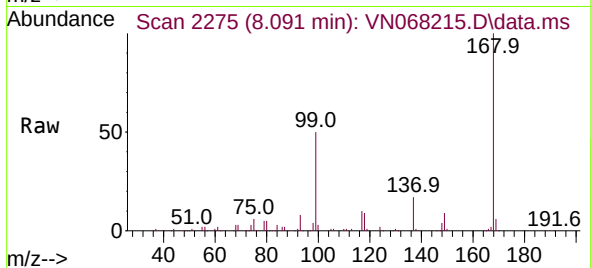
Tgt Ion: 43 Resp: 13630
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 16.0#
 70 0.0 8.1 12.1#



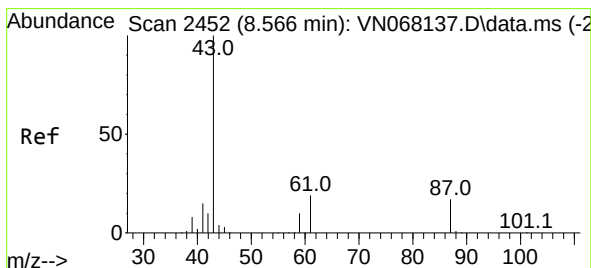
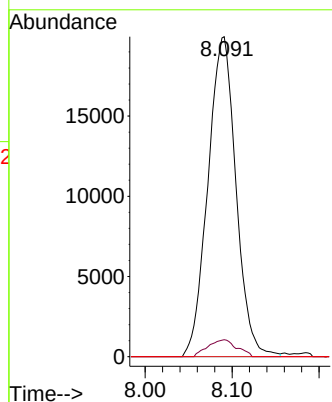
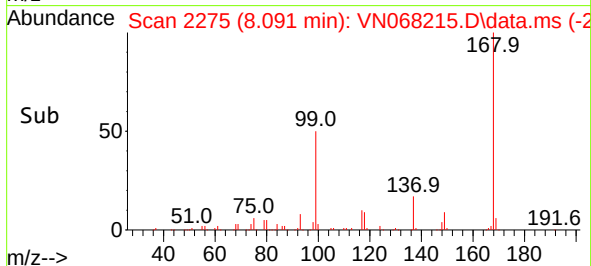


#38
Carbon Tetrachloride
Concen: 6.037 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

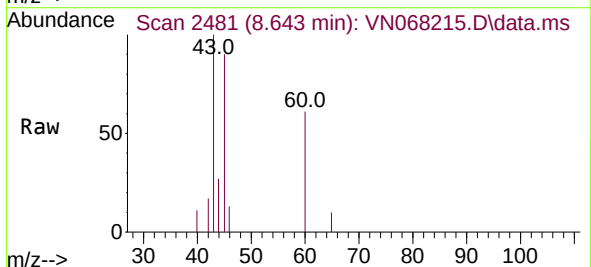
Instrument :
MSVOA_N
ClientSampled :



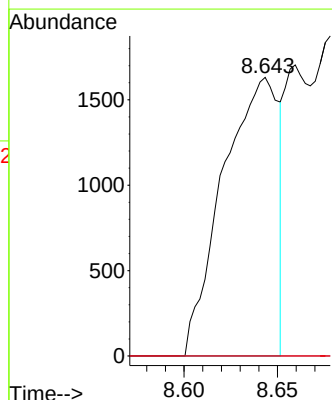
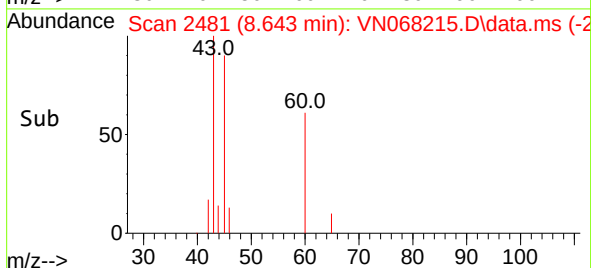
Tgt Ion:117 Resp: 44779
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#

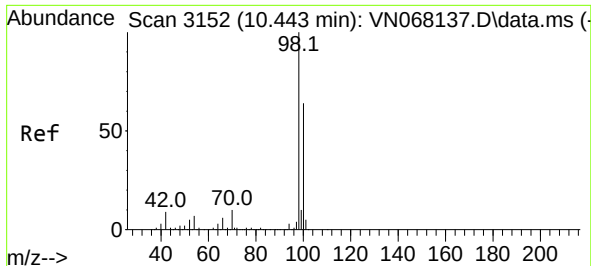


#43
Isopropyl Acetate
Concen: 0.384 ug/l
RT: 8.643 min Scan# 2481
Delta R.T. 0.077 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35



Tgt Ion: 43 Resp: 3372
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

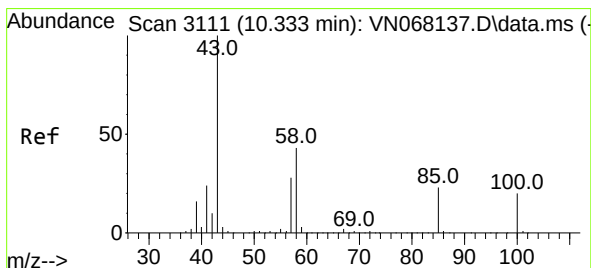
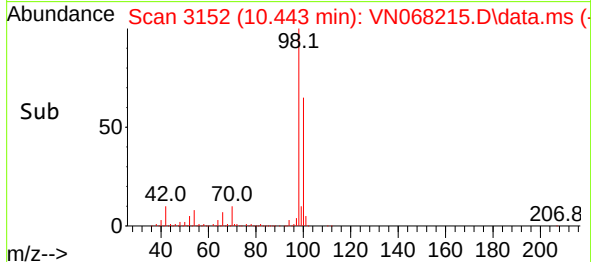
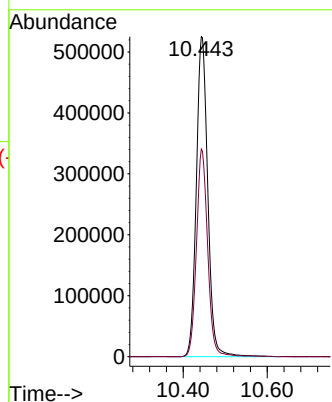
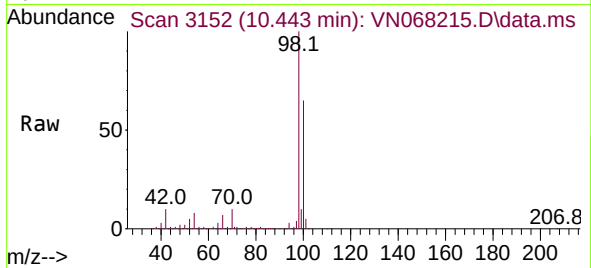




#50
Toluene-d8
Concen: 53.069 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

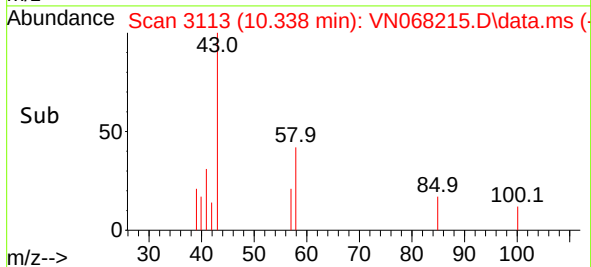
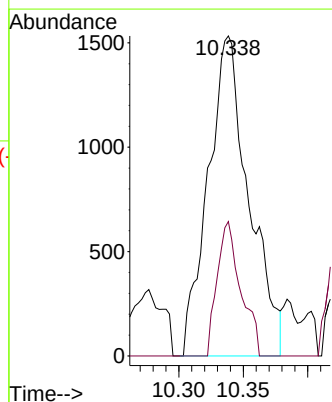
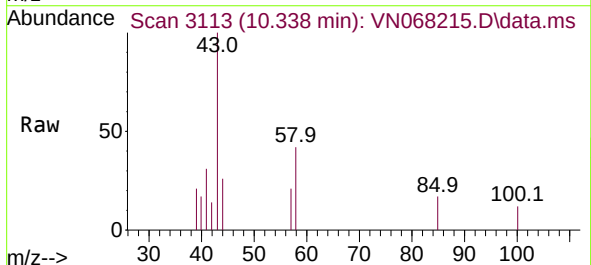
Instrument :
MSVOA_N
ClientSampled :

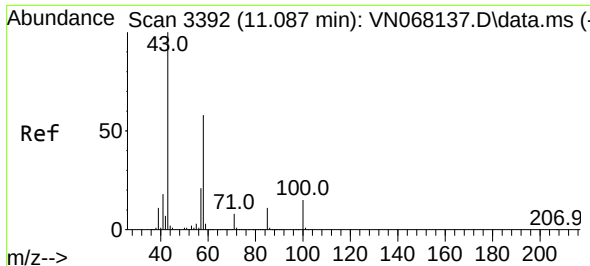
Tgt Ion: 98 Resp: 998695
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.626 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

Tgt Ion: 43 Resp: 3374
Ion Ratio Lower Upper
43 100
58 24.3 28.6 43.0#

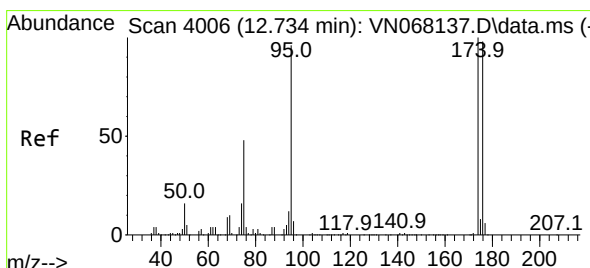
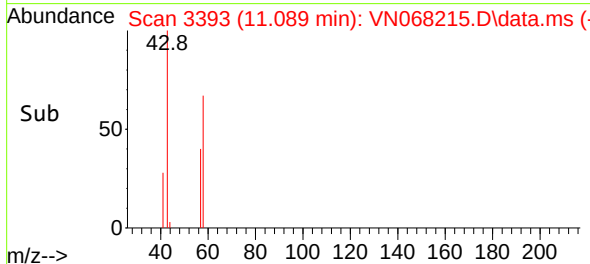
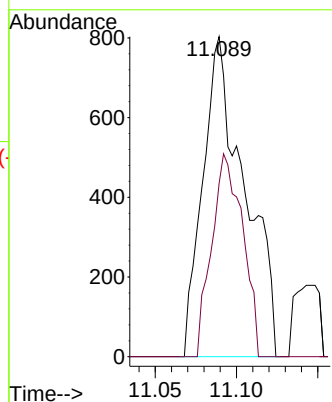
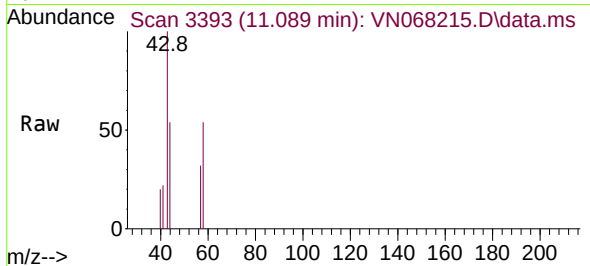




#59
2-Hexanone
Concen: 0.382 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

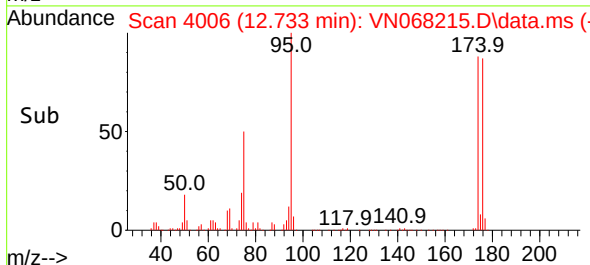
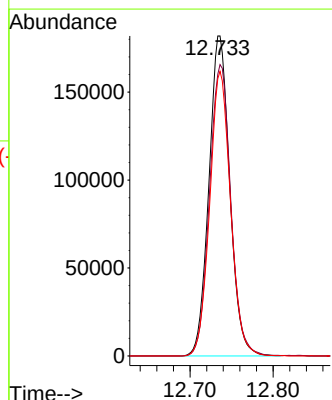
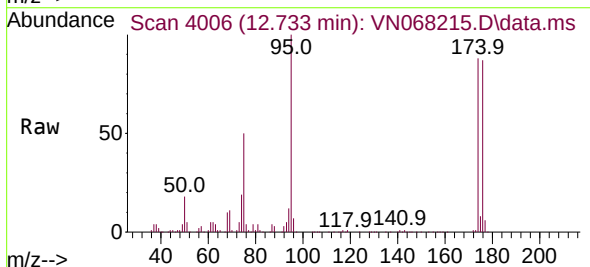
Instrument :
MSVOA_N
ClientSampleId :

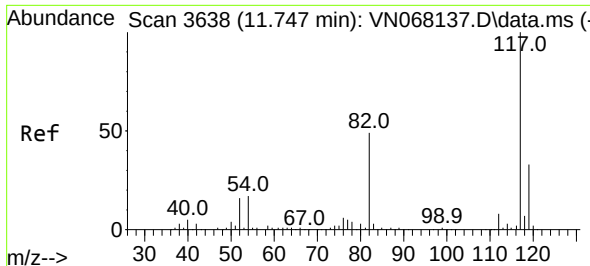
Tgt Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
58 47.0 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 50.569 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

Tgt Ion: 95 Resp: 316799
Ion Ratio Lower Upper
95 100
174 93.4 0.0 122.0
176 88.9 0.0 117.6

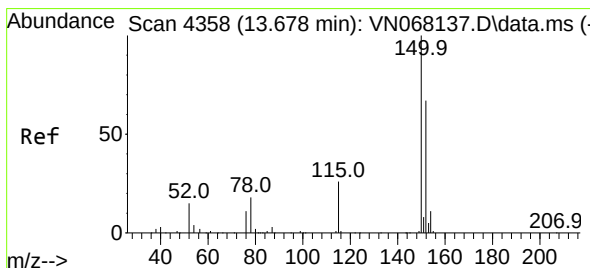
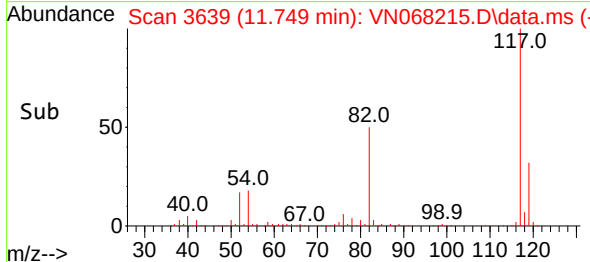
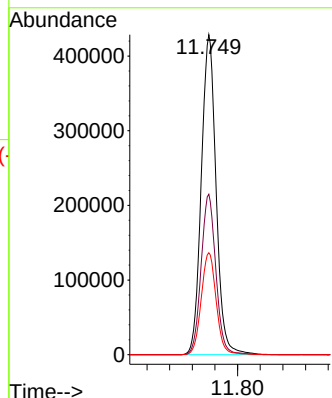
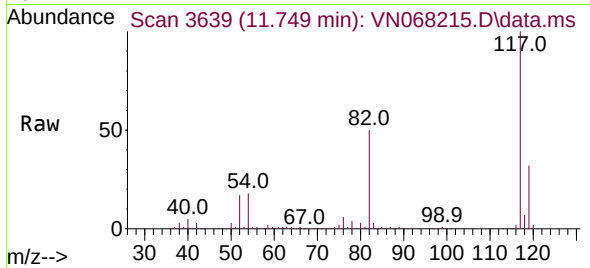




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

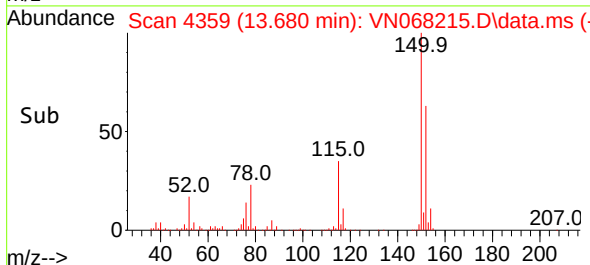
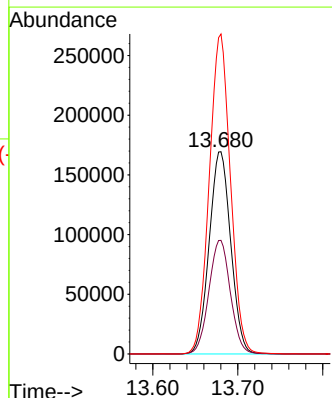
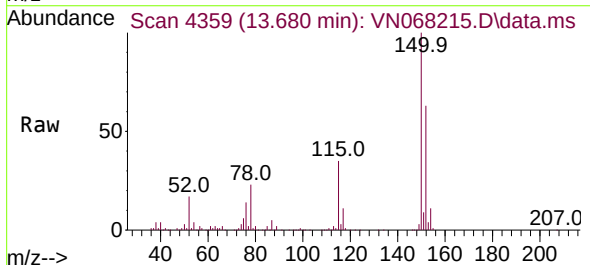
Instrument :
MSVOA_N
ClientSampleId :

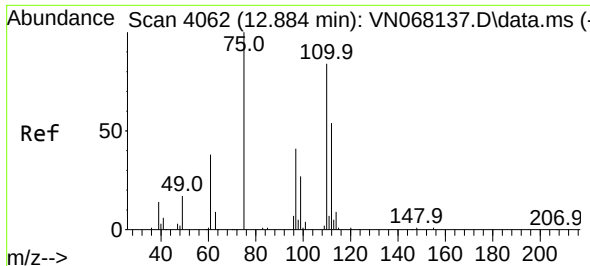
Tgt Ion:117 Resp: 776293
Ion Ratio Lower Upper
117 100
82 50.1 53.1 79.7#
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.002 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

Tgt Ion:152 Resp: 298680
Ion Ratio Lower Upper
152 100
115 56.0 36.1 108.5
150 155.3 0.0 351.8

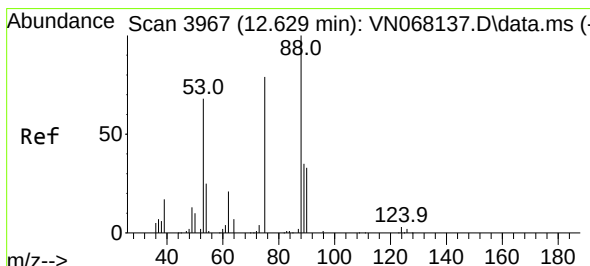
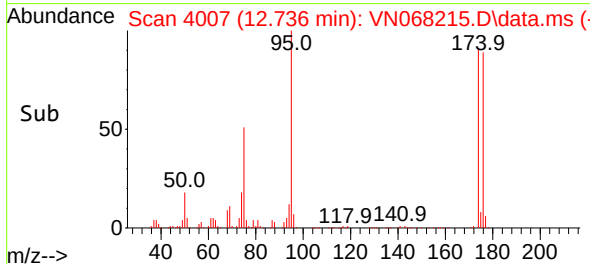
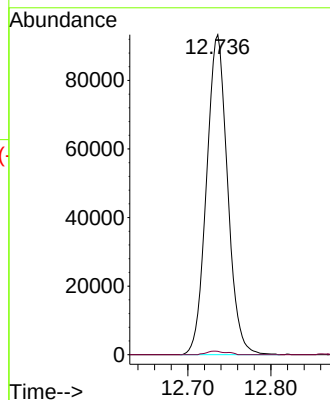
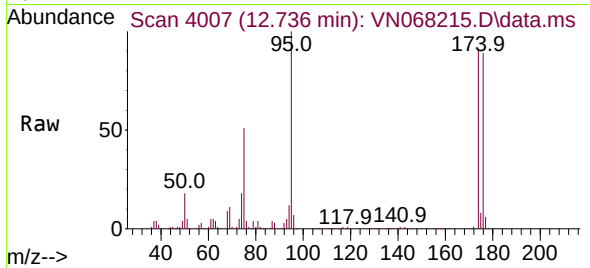




#76
1,2,3-Trichloropropane
Concen: 32.966 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

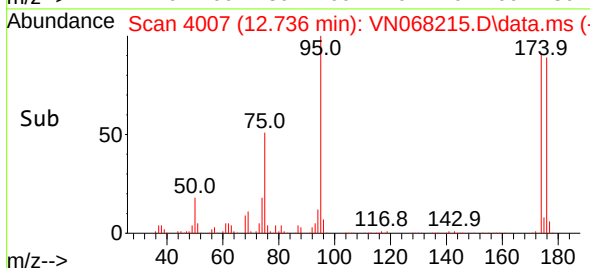
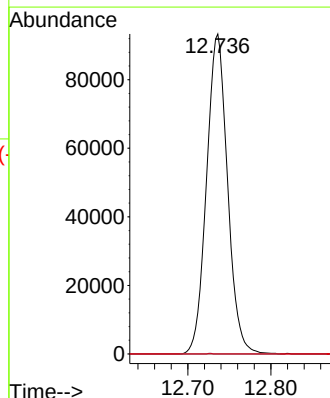
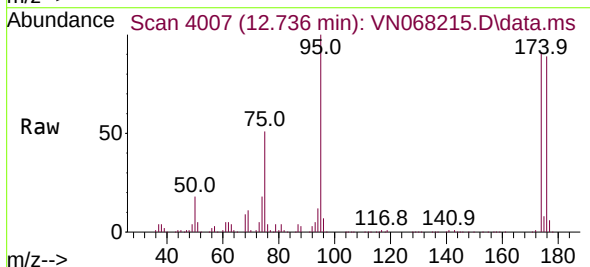
Instrument :
MSVOA_N
ClientSampled :

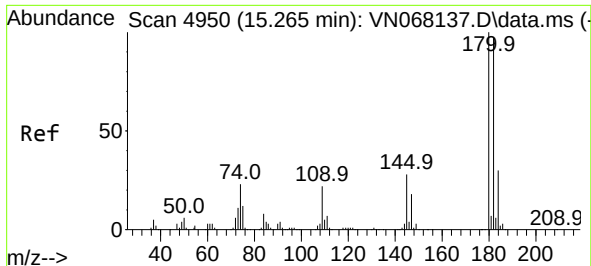
Tgt Ion: 75 Resp: 163657
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.003 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

Tgt Ion: 75 Resp: 163657
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

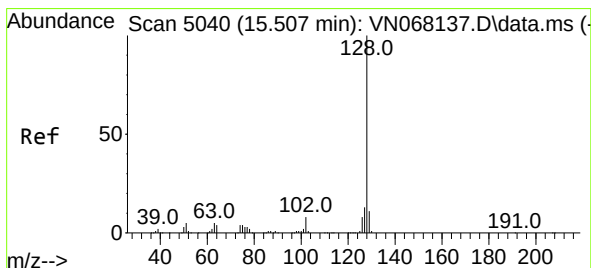
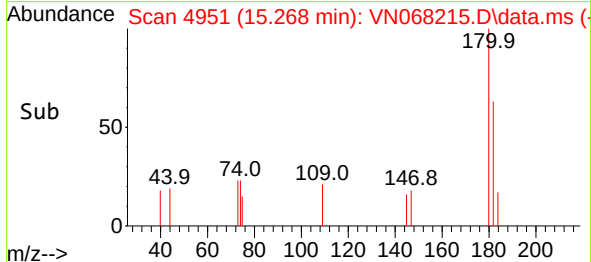
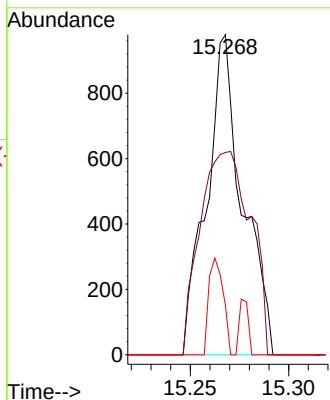
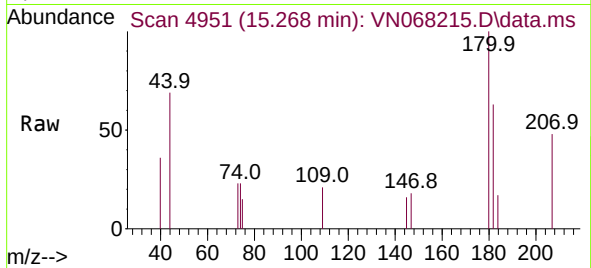




#93
1,2,4-Trichlorobenzene
Concen: 2.921 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

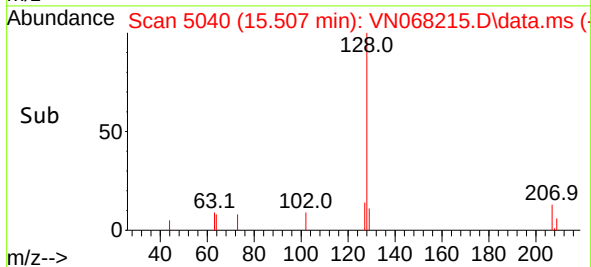
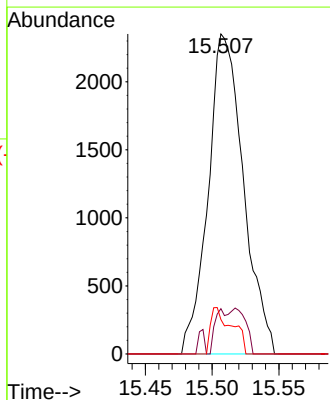
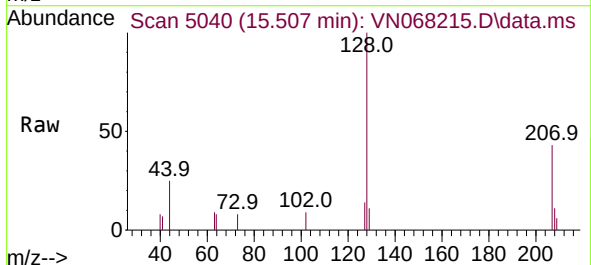
Instrument :
MSVOA_N
ClientSampled :

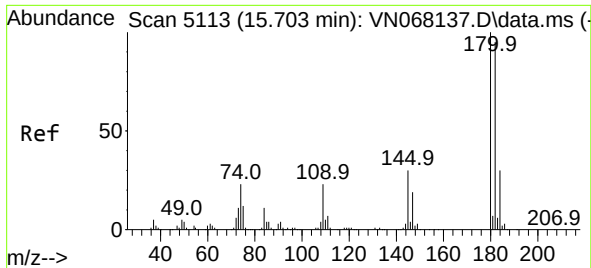
Tgt Ion:180 Resp: 1244
Ion Ratio Lower Upper
180 100
182 89.2 47.5 142.5
145 4.3 17.2 51.6#



#95
Naphthalene
Concen: 3.688 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068215.D
Acq: 19 Aug 2021 14:35

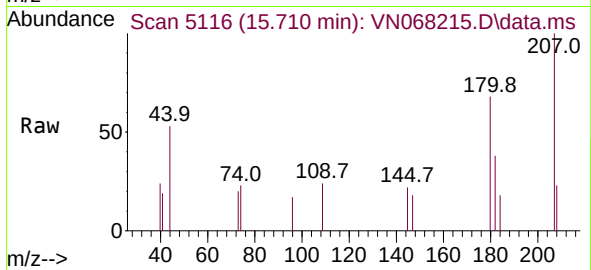
Tgt Ion:128 Resp: 4317
Ion Ratio Lower Upper
128 100
127 4.1 10.6 15.8#
129 8.7 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 2.965 ug/l
 RT: 15.710 min Scan# 5116
 Delta R.T. 0.007 min
 Lab File: VN068215.D
 Acq: 19 Aug 2021 14:35

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 668
 Ion Ratio Lower Upper
 180 100
 182 154.6 47.8 143.3#
 145 31.0 18.2 54.6

