

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070821\
 Data File : VN067664.D
 Acq On : 8 Jul 2021 15:28
 Operator : JC/MD
 Sample : M2799-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 09 03:53:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

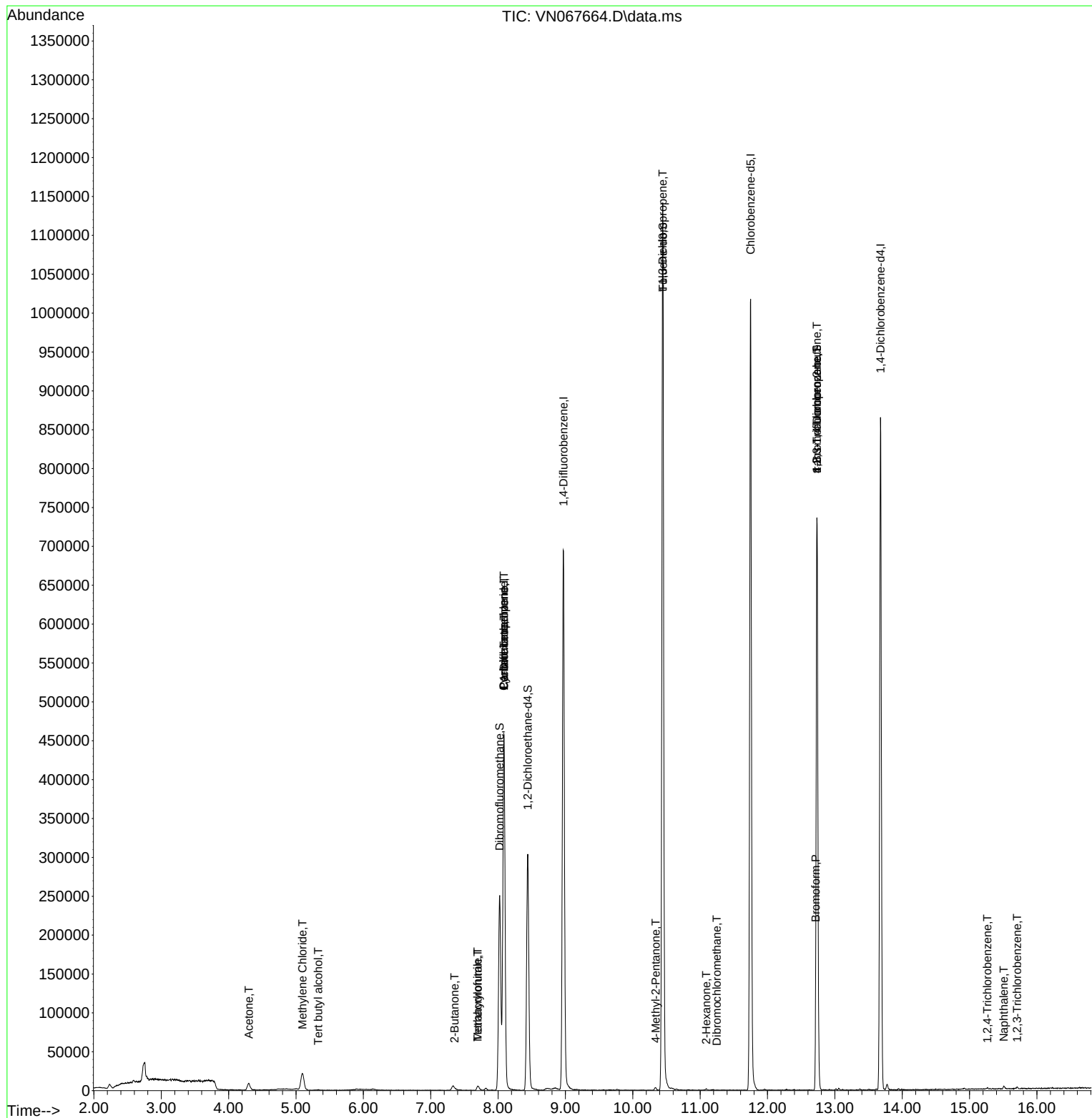
Internal Standards						
1) Pentafluorobenzene	8.086	168	323852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	602968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	575666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	218570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	258084	52.730	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 105.460%		
35) Dibromofluoromethane	8.024	113	181096	49.711	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 99.420%		
50) Toluene-d8	10.446	98	789803	51.795	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 103.600%		
62) 4-Bromofluorobenzene	12.734	95	255609	47.452	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 94.900%		
Target Compounds						
						Qvalue
5) Bromomethane	2.821	94	90	Below Cal	#	4
6) Chloroethane	3.036	64	24	Below Cal	#	44
7) Trichlorofluoromethane	3.247	101	24	Below Cal	#	18
11) Tert butyl alcohol	5.331	59	143	0.203	ug/l #	71
13) Acrolein	4.033	56	141	Below Cal	#	62
16) Acetone	4.299	43	15987	10.381	ug/l	99
20) Methylene Chloride	5.095	84	17161	4.135	ug/l	89
25) 2-Butanone	7.354	43	2691	1.052	ug/l	94
29) Tetrahydrofuran	7.697	42	3863	2.297	ug/l	96
31) Cyclohexane	8.088	56	9595	1.398	ug/l #	40
36) 1,1-Dichloropropene	8.088	75	30657	5.474	ug/l #	52
38) Carbon Tetrachloride	8.086	117	37635	6.812	ug/l #	16
41) Methacrylonitrile	7.697	41	3010	1.079	ug/l #	33
51) 4-Methyl-2-Pentanone	10.341	43	2541	0.433	ug/l	94
53) t-1,3-Dichloropropene	10.443	75	165	1.767	ug/l #	1
59) 2-Hexanone	11.092	43	1003	0.245	ug/l	99
60) Dibromochloromethane	11.245	129	149	2.384	ug/l #	11
71) Bromoform	12.715	173	156	3.215	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	148825	33.342	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	148825	107.498	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	498	2.804	ug/l #	23
95) Naphthalene	15.507	128	3648	3.333	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.705	180	605	2.797	ug/l	81

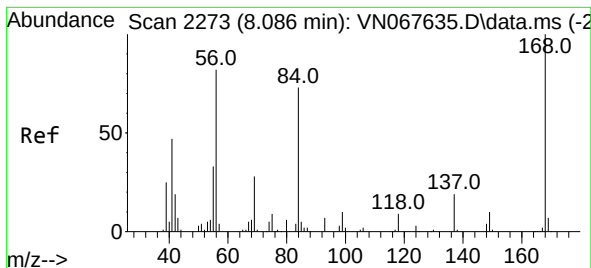
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.000 min

Lab File: VN067664.D

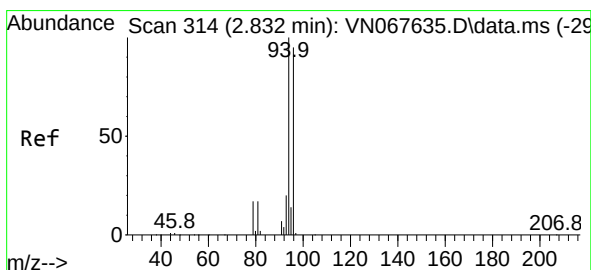
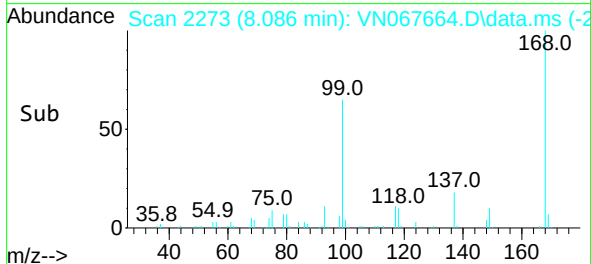
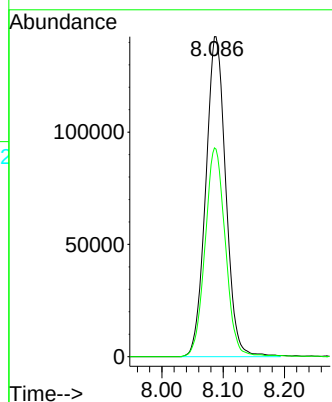
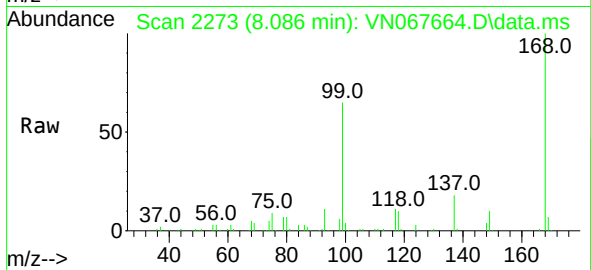
Acq: 8 Jul 2021 15:28

Tgt Ion:168 Resp: 323852

Ion Ratio Lower Upper

168 100

99 65.2 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.821 min Scan# 310

Delta R.T. -0.011 min

Lab File: VN067664.D

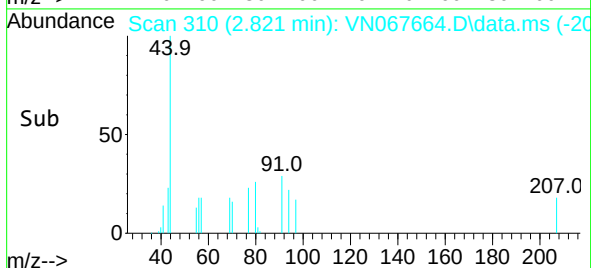
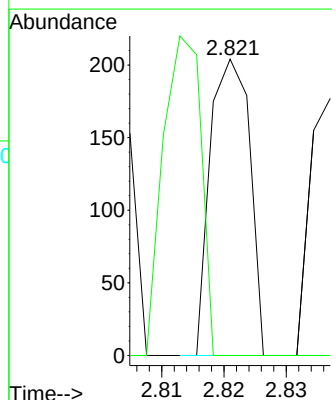
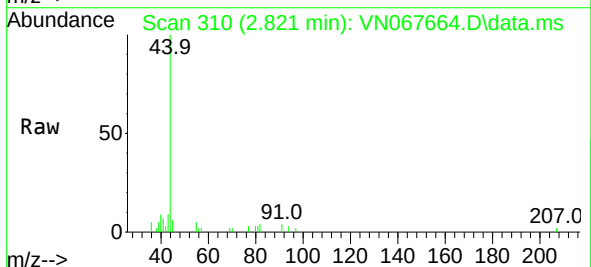
Acq: 8 Jul 2021 15:28

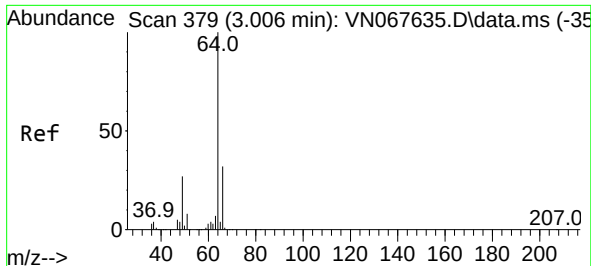
Tgt Ion: 94 Resp: 90

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

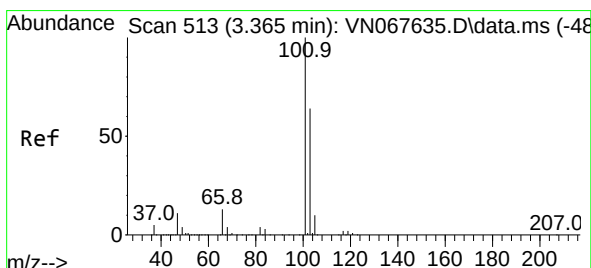
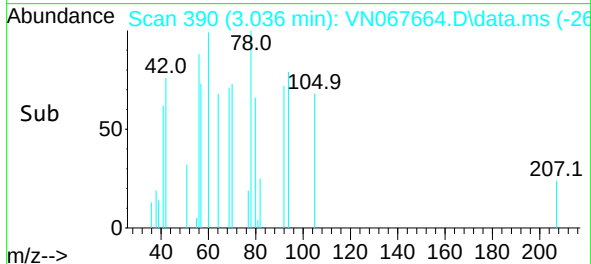
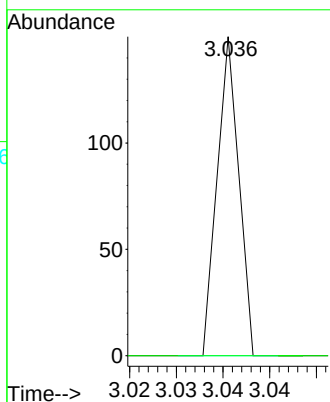
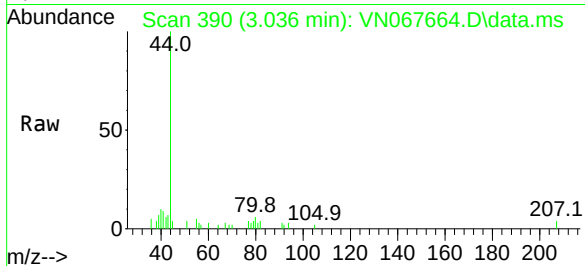




#6
Chloroethane
Concen: Below Cal
RT: 3.036 min Scan# 390
Delta R.T. 0.030 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

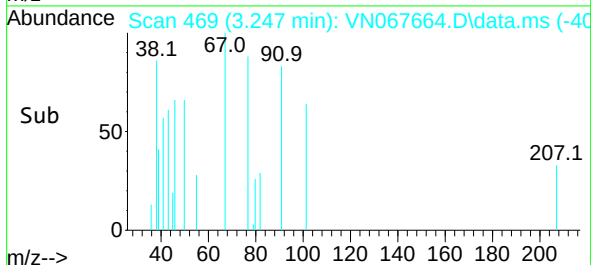
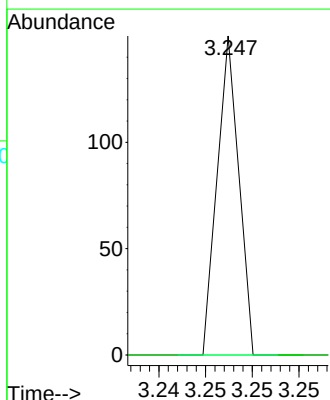
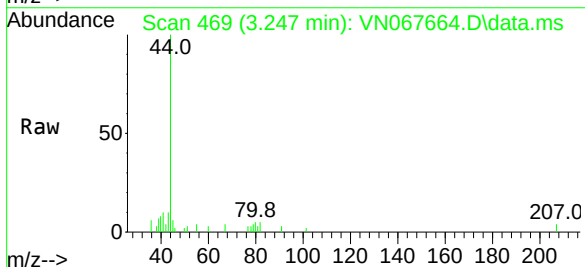
Instrument :
MSVOA_N
ClientSampleId :

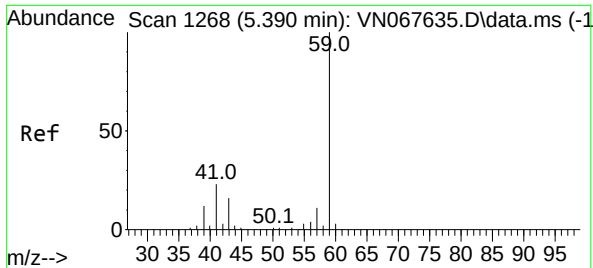
Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.247 min Scan# 469
Delta R.T. -0.118 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

Tgt Ion: 101 Resp: 24
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#

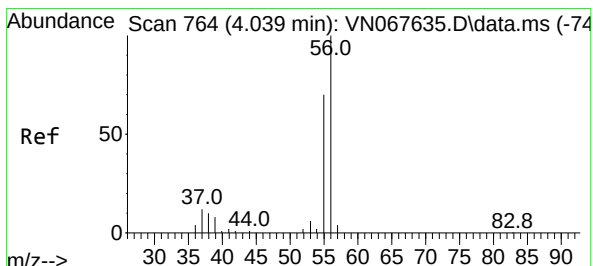
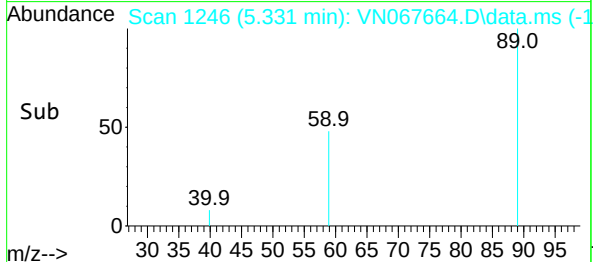
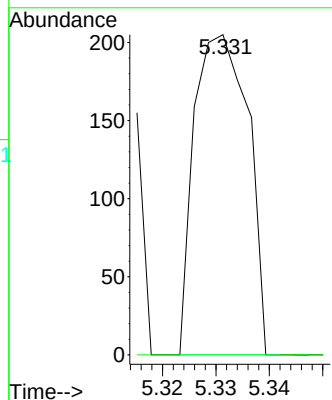
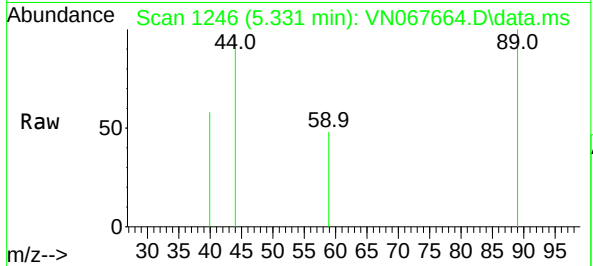




#11
Tert butyl alcohol
Concen: 0.203 ug/l
RT: 5.331 min Scan# 1246
Delta R.T. -0.059 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

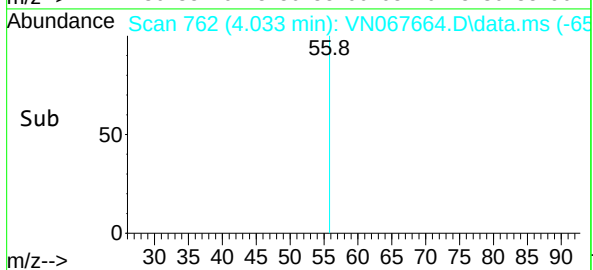
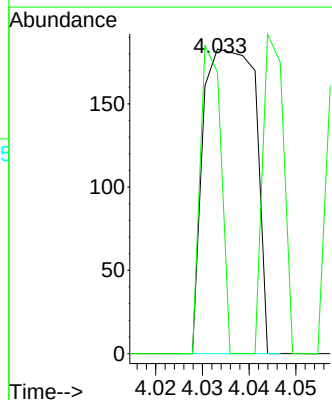
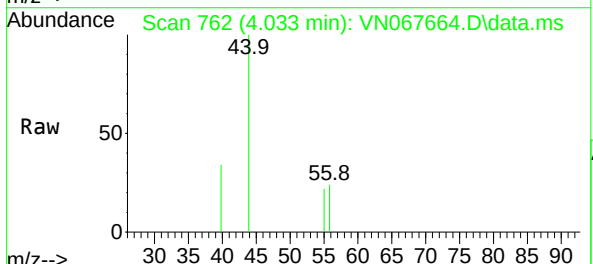
Instrument :
MSVOA_N
ClientSampled :

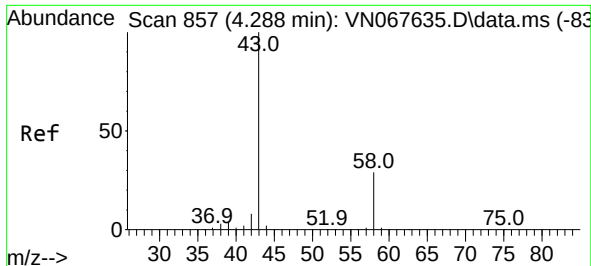
Tgt Ion: 59 Resp: 143
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

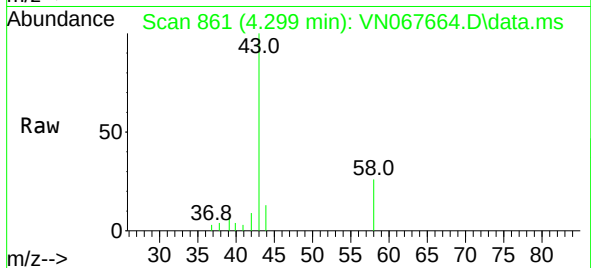
Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
55 40.4 57.4 86.0#



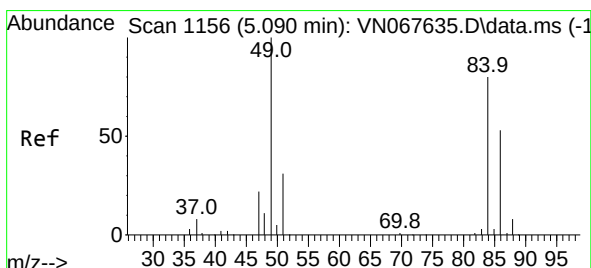
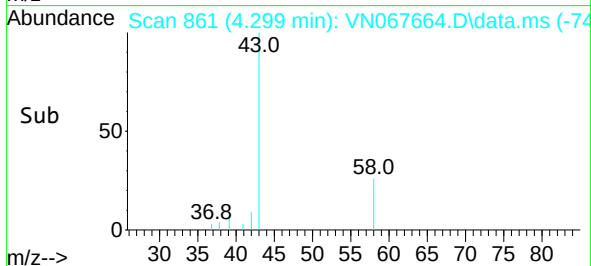
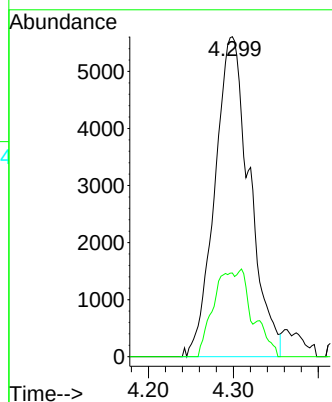


#16
Acetone
Concen: 10.381 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

Instrument :
MSVOA_N
ClientSampled :

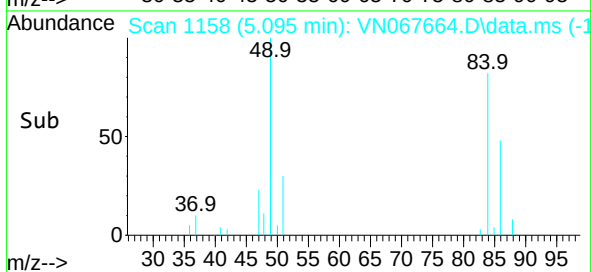
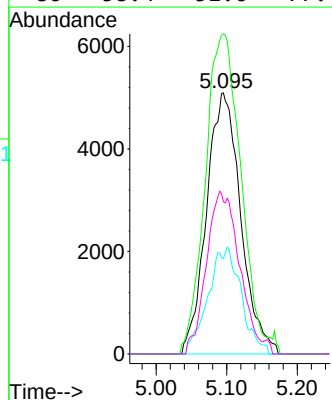
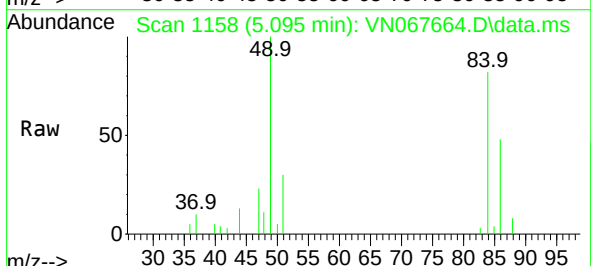


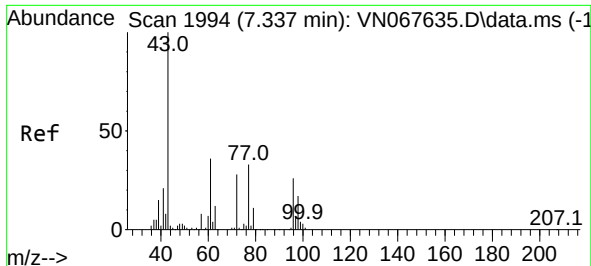
Tgt Ion: 43 Resp: 15987
Ion Ratio Lower Upper
43 100
58 26.1 21.2 31.8



#20
Methylene Chloride
Concen: 4.135 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.005 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

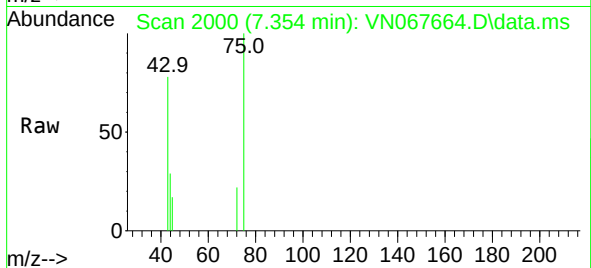
Tgt Ion: 84 Resp: 17161
Ion Ratio Lower Upper
84 100
49 122.6 110.9 166.3
51 36.6 32.6 49.0
86 58.4 51.6 77.4



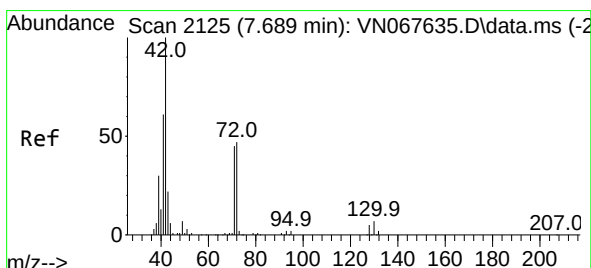
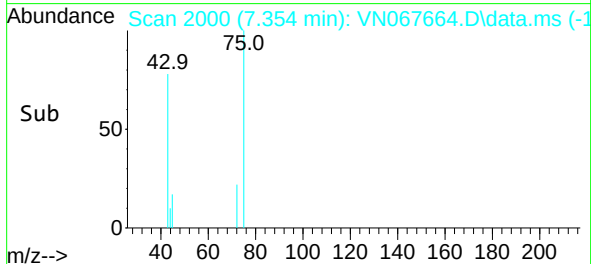
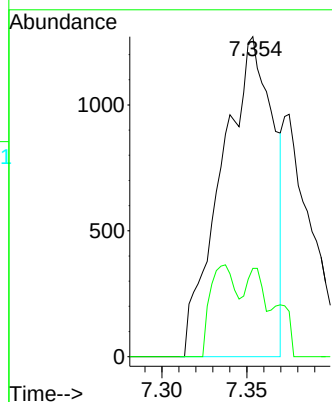


#25
2-Butanone
Concen: 1.052 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.017 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

Instrument :
MSVOA_N
ClientSampleId :

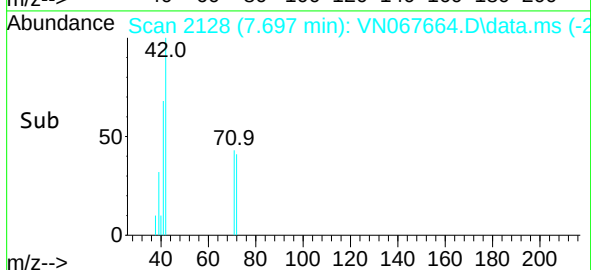
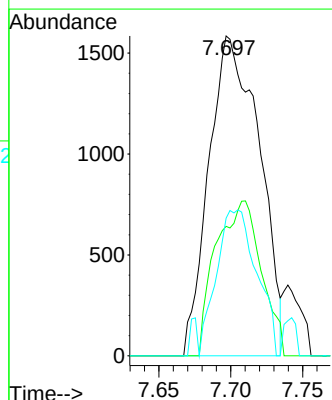
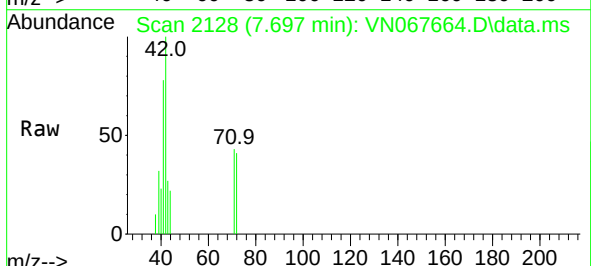


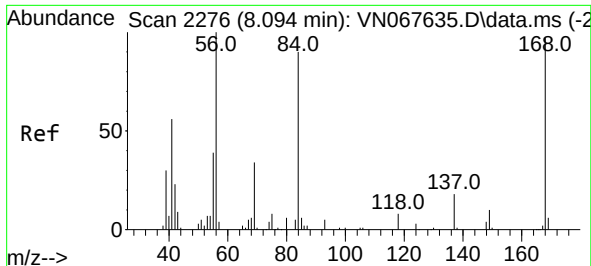
Tgt Ion: 43 Resp: 2691
Ion Ratio Lower Upper
43 100
72 27.6 19.7 29.5



#29
Tetrahydrofuran
Concen: 2.297 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.008 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

Tgt Ion: 42 Resp: 3863
Ion Ratio Lower Upper
42 100
72 43.7 32.8 49.2
71 36.5 31.2 46.8

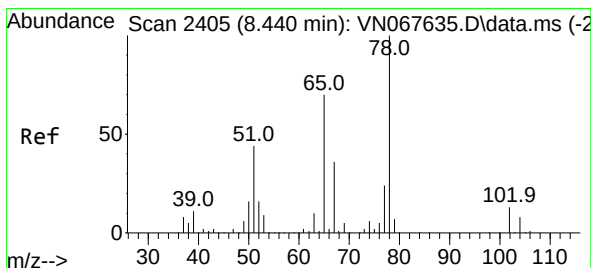
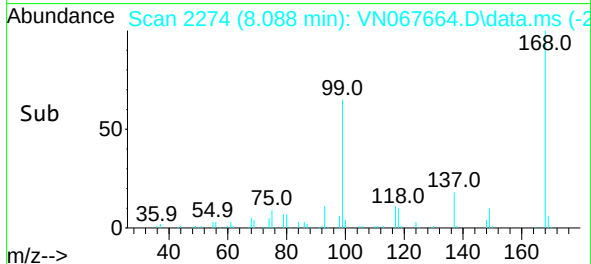
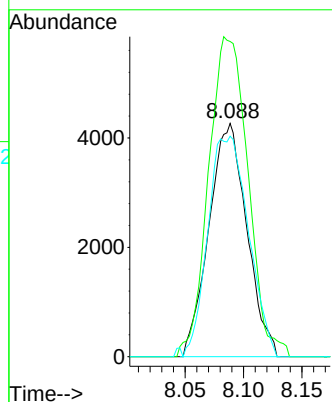
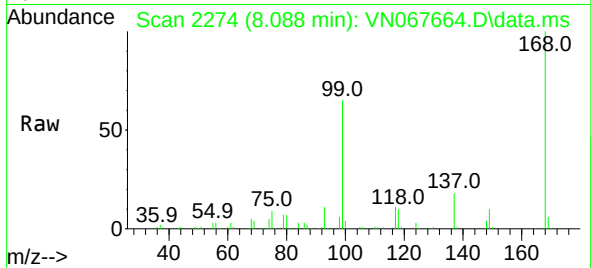




#31
Cyclohexane
Concen: 1.398 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

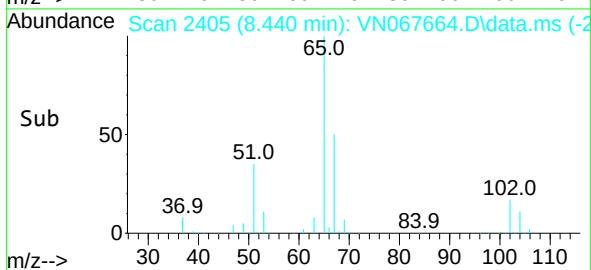
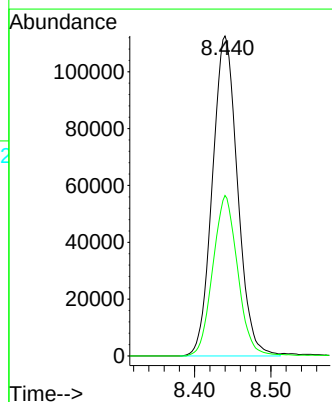
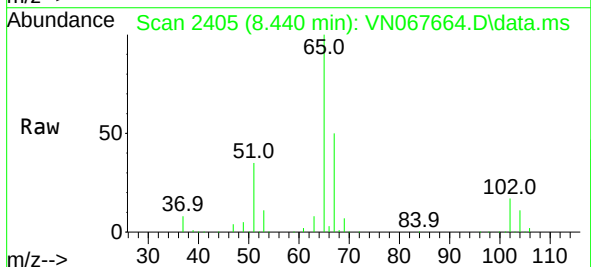
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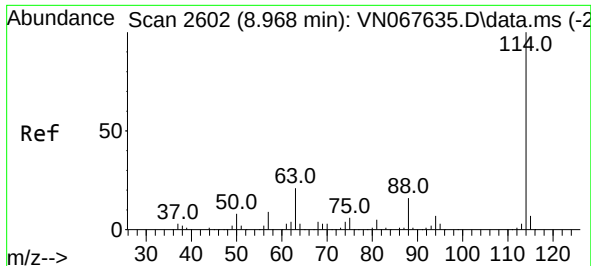
Tgt Ion: 56 Resp: 9595
Ion Ratio Lower Upper
56 100
69 130.8 27.3 40.9#
84 94.5 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 52.730 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

Tgt Ion: 65 Resp: 258084
Ion Ratio Lower Upper
65 100
67 49.7 0.0 98.6

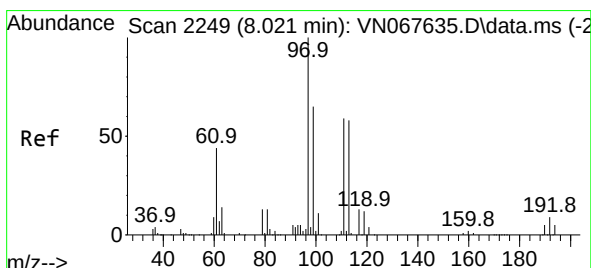
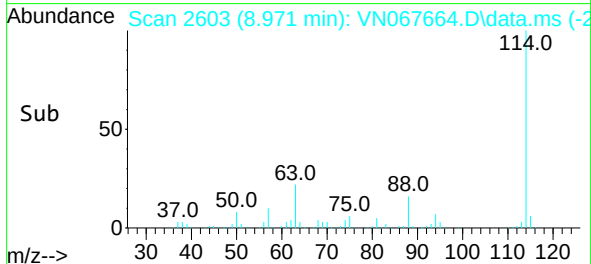
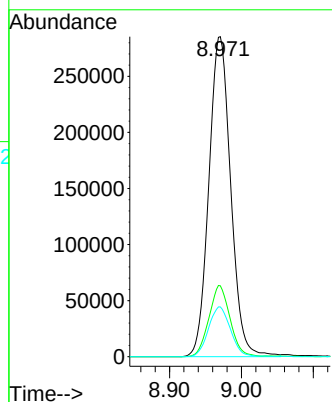
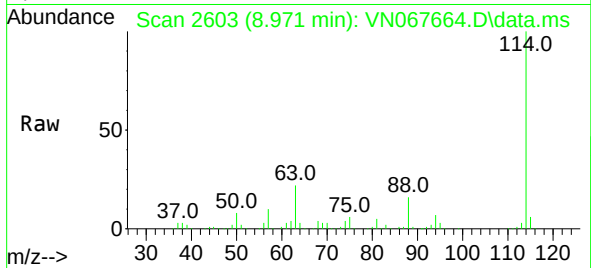




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

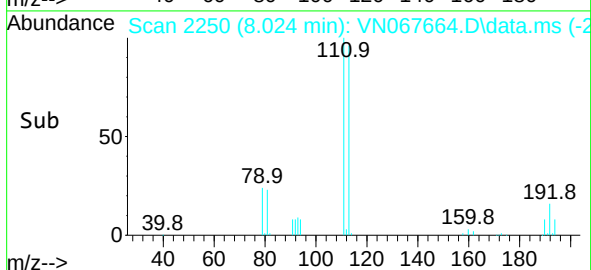
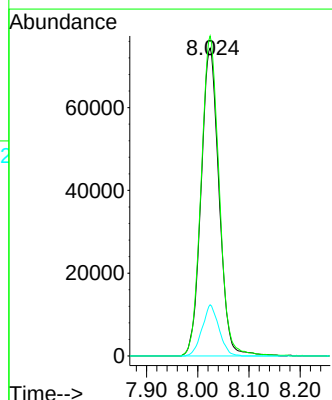
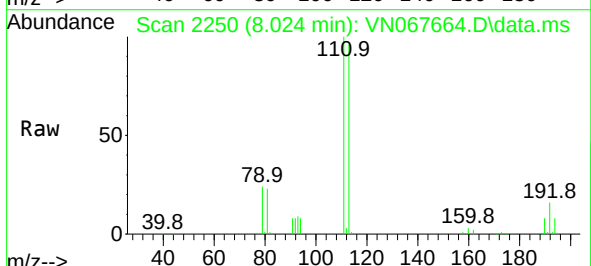
Instrument :
MSVOA_N
ClientSampleId :

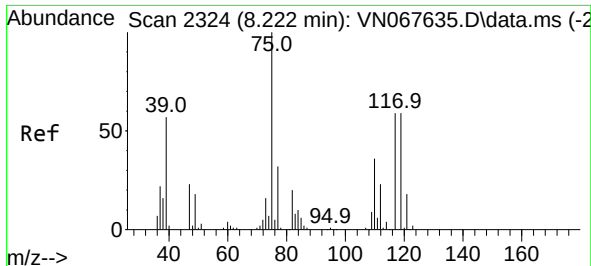
Tgt Ion:114 Resp: 602968
Ion Ratio Lower Upper
114 100
63 22.1 0.0 49.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.711 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

Tgt Ion:113 Resp: 181096
Ion Ratio Lower Upper
113 100
111 104.0 83.8 125.8
192 15.6 13.4 20.0

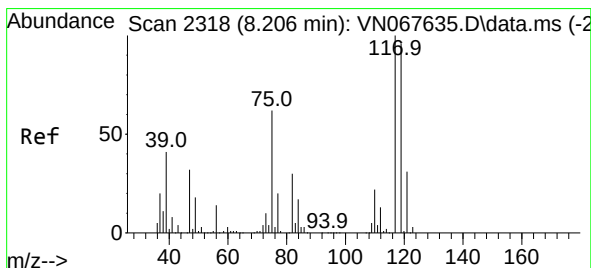
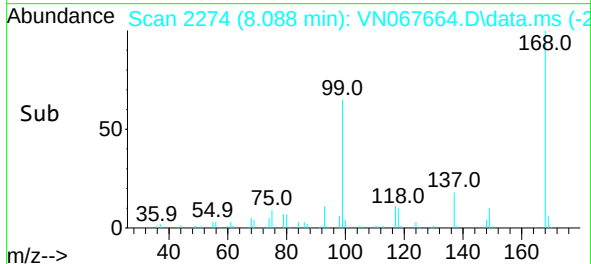
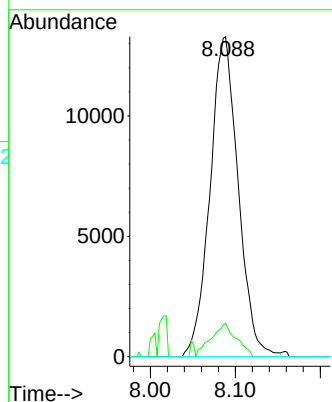
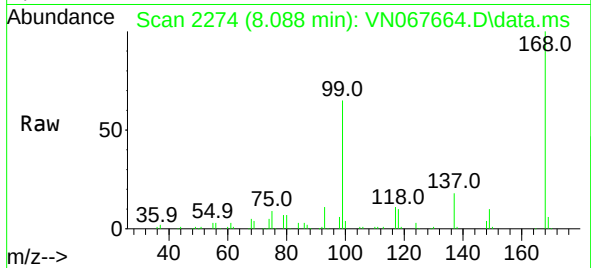




#36
 1,1-Dichloropropene
 Concen: 5.474 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.134 min
 Lab File: VN067664.D
 Acq: 8 Jul 2021 15:28

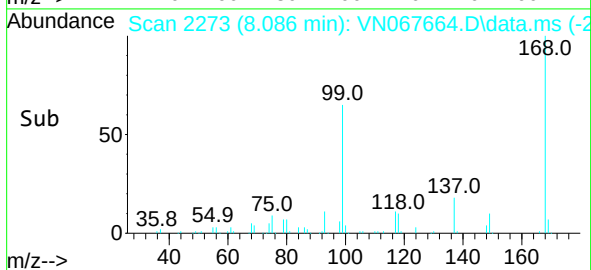
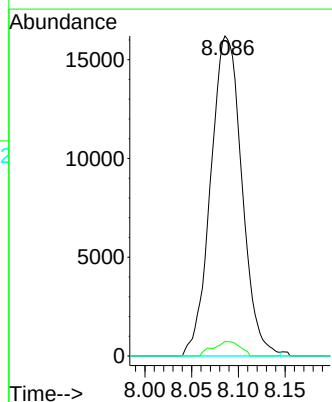
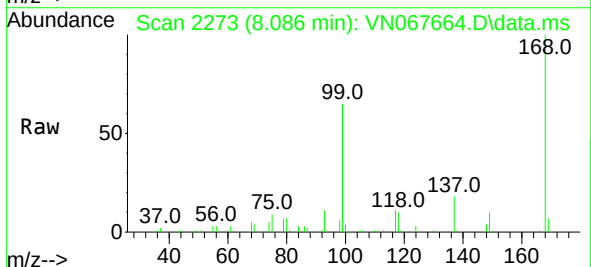
Instrument :
 MSVOA_N
 ClientSampleId :

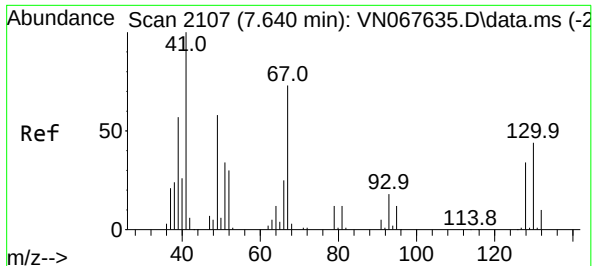
Tgt Ion: 75 Resp: 30657
 Ion Ratio Lower Upper
 75 100
 110 9.3 15.7 47.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.812 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.120 min
 Lab File: VN067664.D
 Acq: 8 Jul 2021 15:28

Tgt Ion: 117 Resp: 37635
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.4 113.2#
 121 0.0 23.5 35.3#

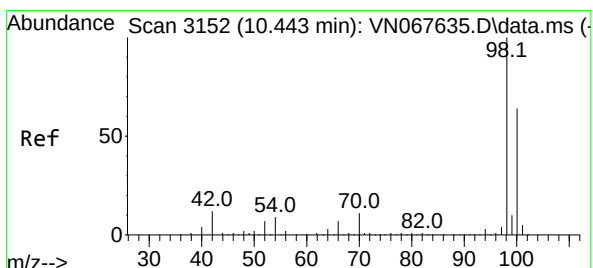
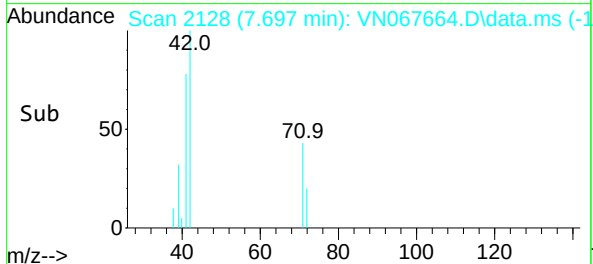
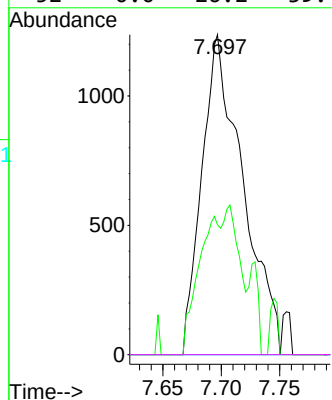
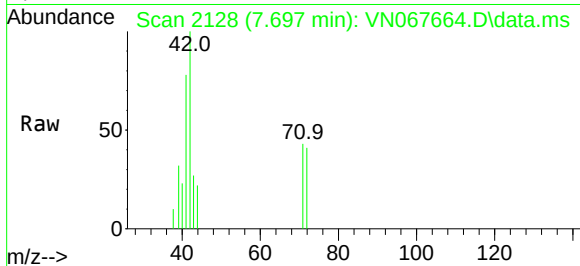




#41
Methacrylonitrile
Concen: 1.079 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.057 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

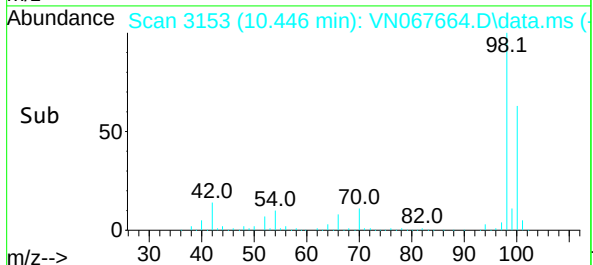
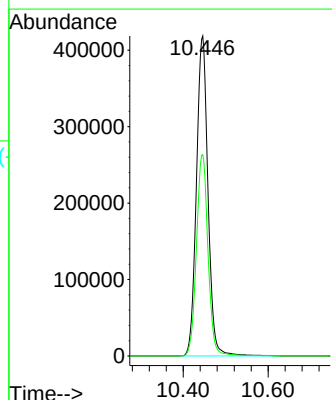
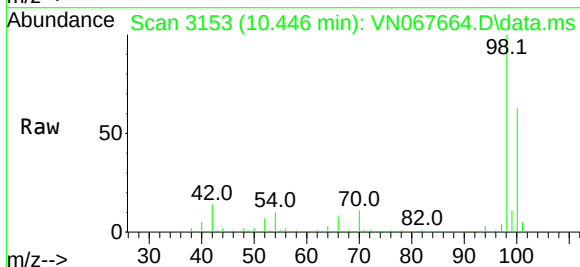
Instrument :
MSVOA_N
ClientSampleId :

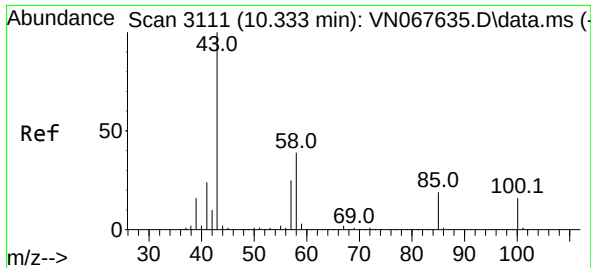
Tgt Ion: 41 Resp: 3010
Ion Ratio Lower Upper
41 100
39 24.1 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#



#50
Toluene-d8
Concen: 51.795 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

Tgt Ion: 98 Resp: 789803
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5

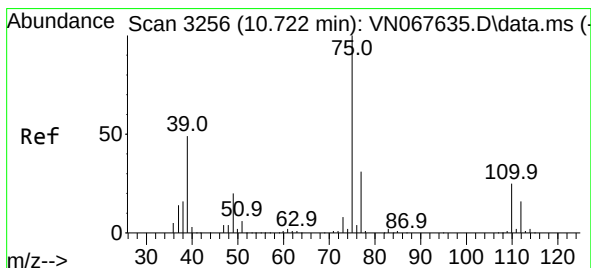
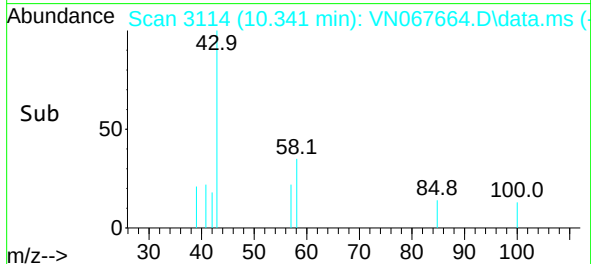
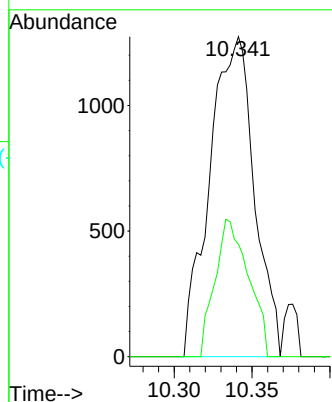
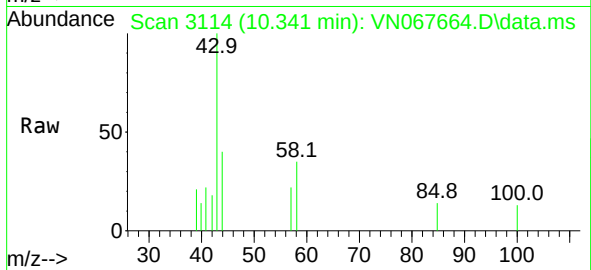




#51
4-Methyl-2-Pentanone
Concen: 0.433 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

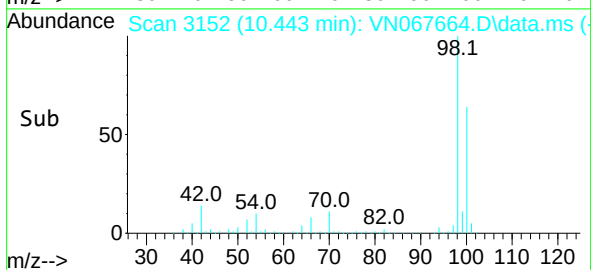
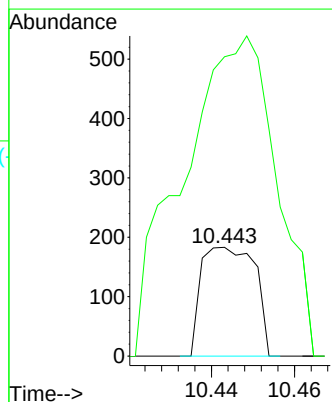
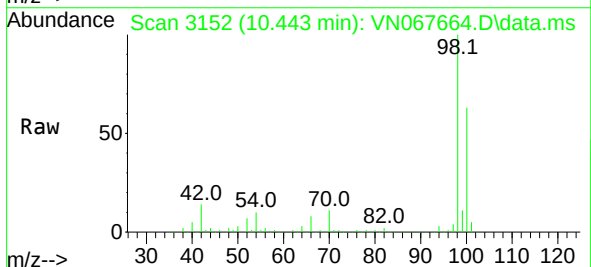
Instrument :
MSVOA_N
ClientSampled :

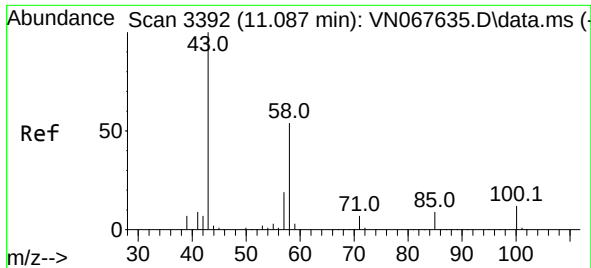
Tgt Ion: 43 Resp: 2541
Ion Ratio Lower Upper
43 100
58 32.2 28.6 43.0



#53
t-1,3-Dichloropropene
Concen: 1.767 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.279 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

Tgt Ion: 75 Resp: 165
Ion Ratio Lower Upper
75 100
77 138.3 25.1 37.7#

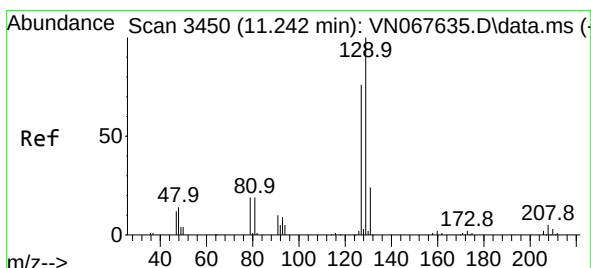
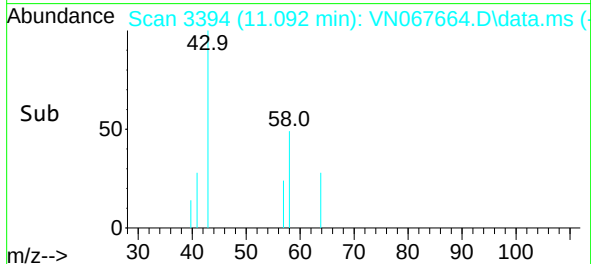
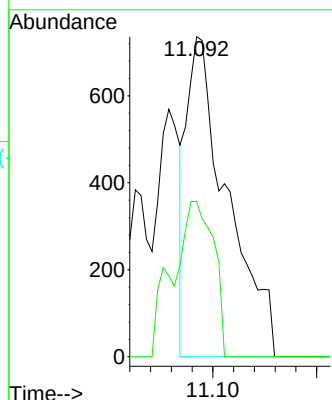
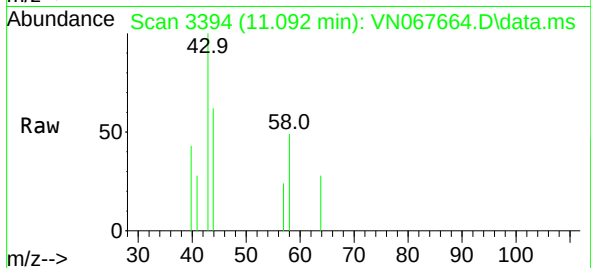




#59
2-Hexanone
Concen: 0.245 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

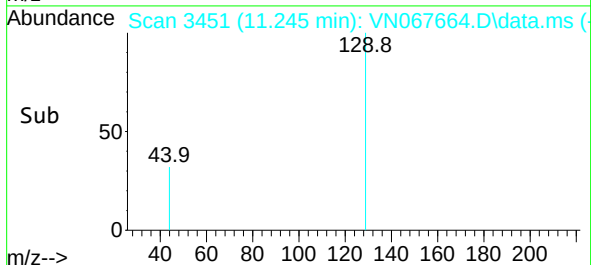
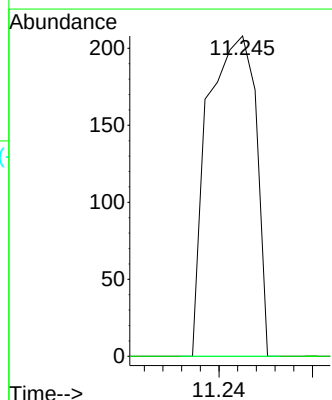
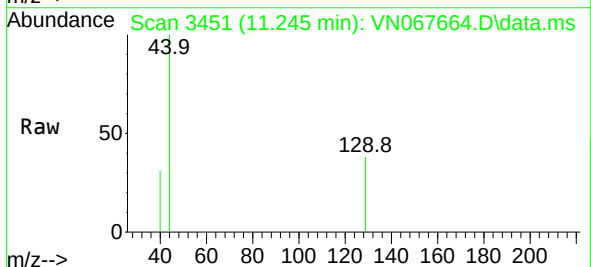
Instrument :
MSVOA_N
ClientSampled :

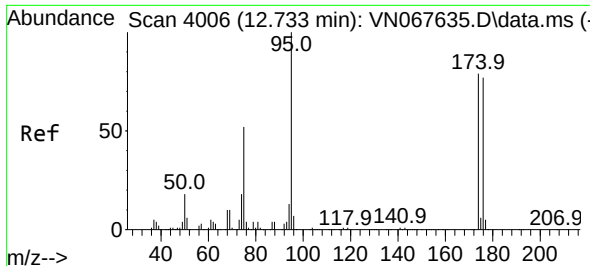
Tgt Ion: 43 Resp: 1003
Ion Ratio Lower Upper
43 100
58 48.6 24.7 74.1



#60
Dibromochloromethane
Concen: 2.384 ug/l
RT: 11.245 min Scan# 3451
Delta R.T. 0.003 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

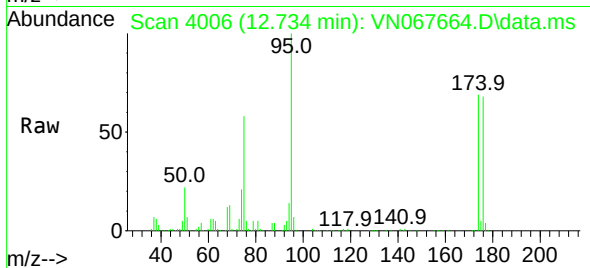
Tgt Ion: 129 Resp: 149
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



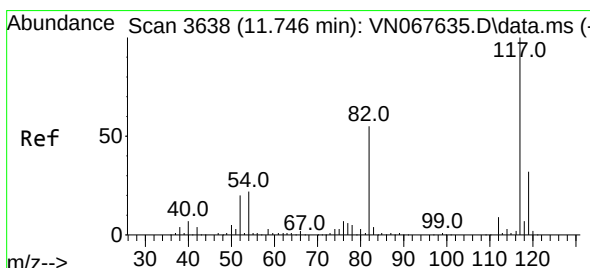
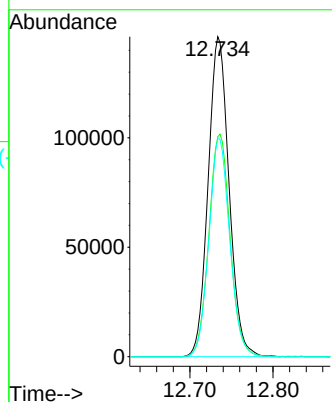
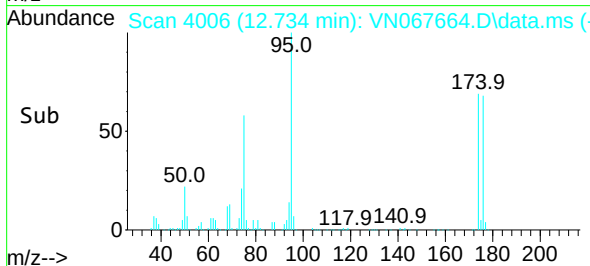


#62
4-Bromofluorobenzene
Concen: 47.452 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

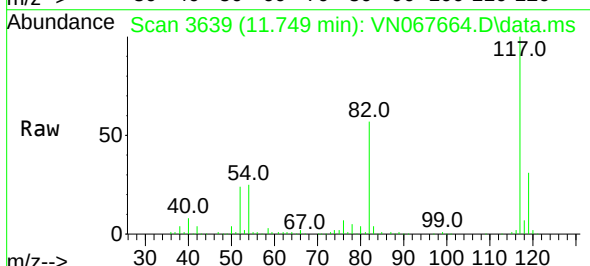
Instrument :
MSVOA_N
ClientSampleId :



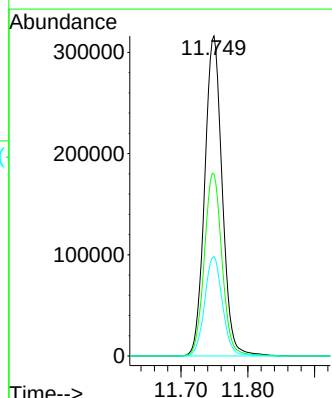
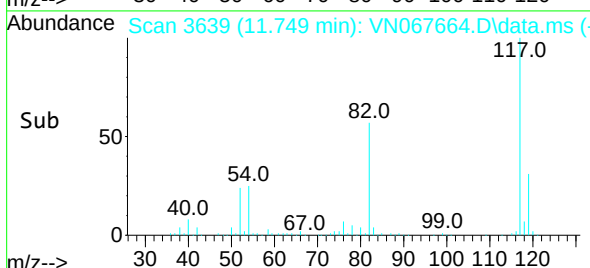
Tgt Ion: 95 Resp: 255609
Ion Ratio Lower Upper
95 100
174 70.7 0.0 122.0
176 68.3 0.0 117.6

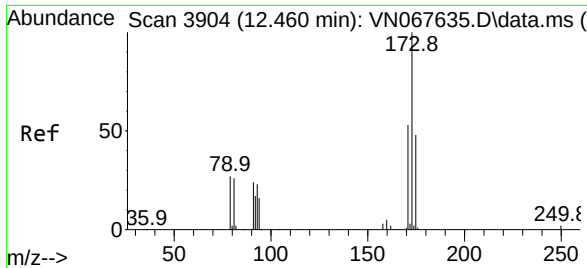


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28



Tgt Ion: 117 Resp: 575666
Ion Ratio Lower Upper
117 100
82 56.9 53.1 79.7
119 31.1 25.5 38.3

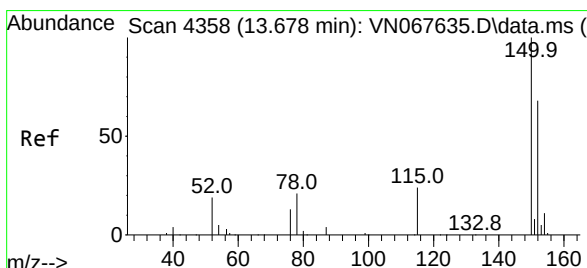
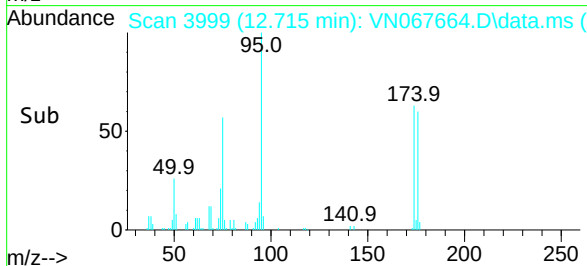
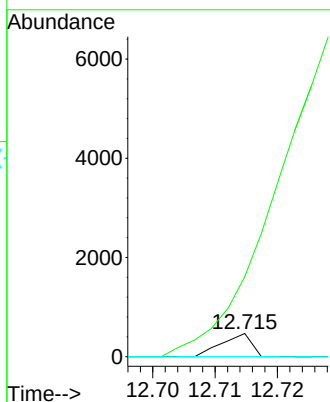
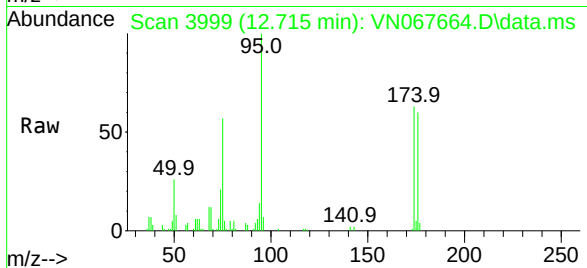




#71
Bromoform
Concen: 3.215 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

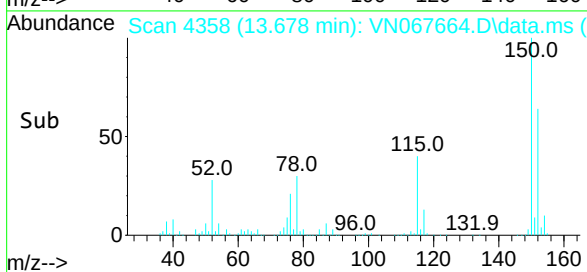
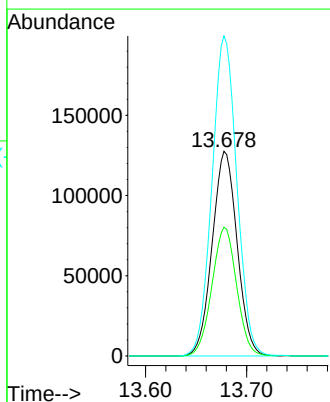
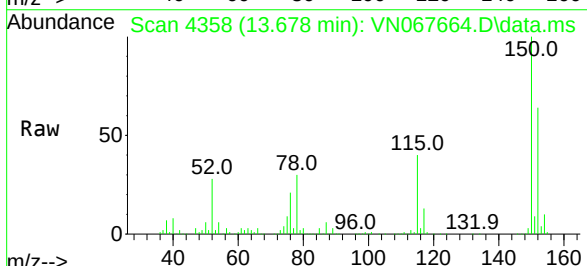
Instrument :
MSVOA_N
ClientSampleId :

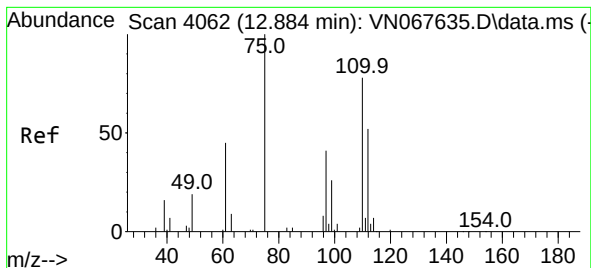
Tgt Ion:173 Resp: 156
Ion Ratio Lower Upper
173 100
175 8123.1 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

Tgt Ion:152 Resp: 218570
Ion Ratio Lower Upper
152 100
115 62.3 36.1 108.5
150 156.0 0.0 351.8

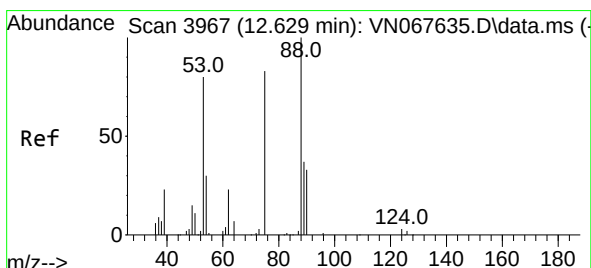
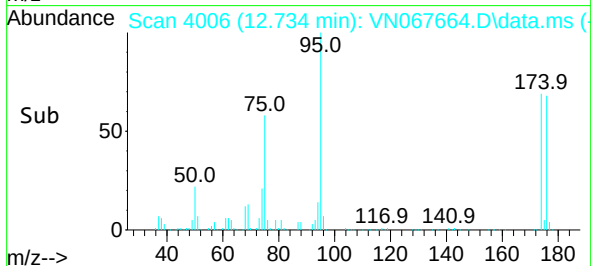
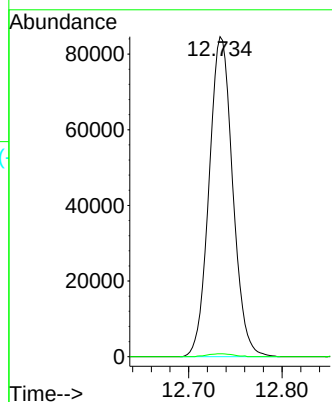
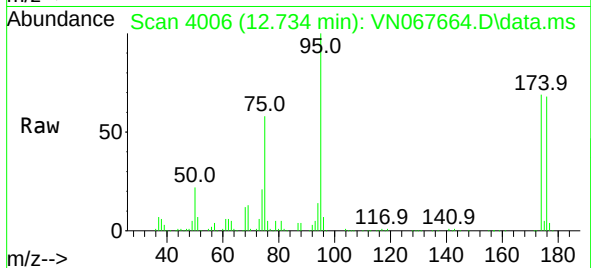




#76
1,2,3-Trichloropropane
Concen: 33.342 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

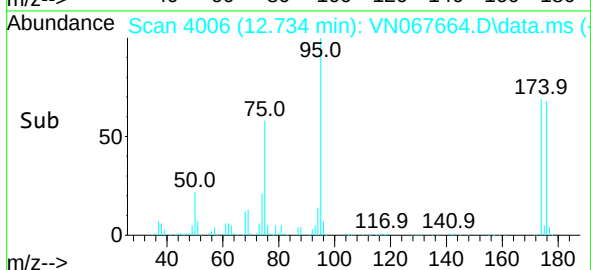
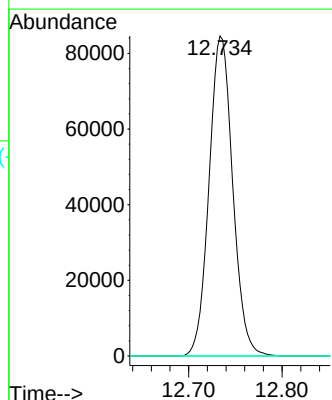
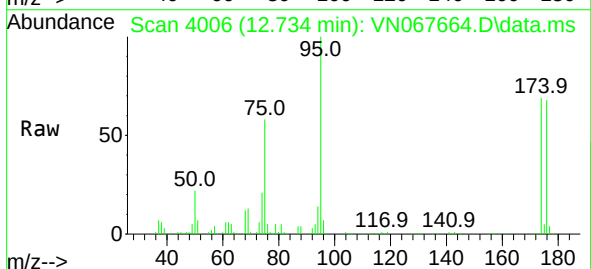
Instrument :
MSVOA_N
ClientSampleId :

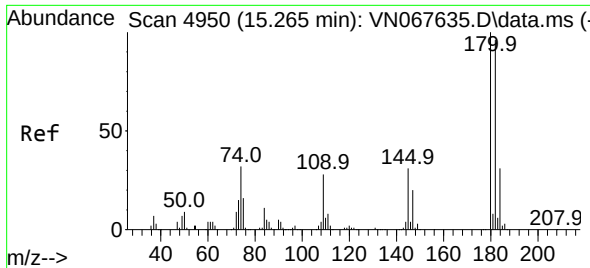
Tgt Ion: 75 Resp: 148825
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.498 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

Tgt Ion: 75 Resp: 148825
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

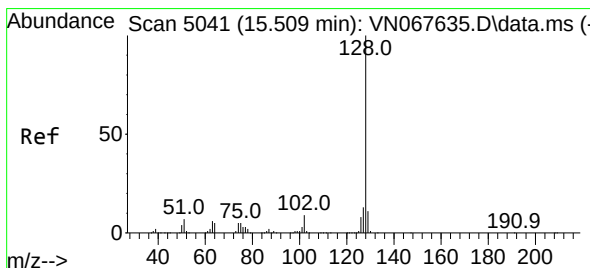
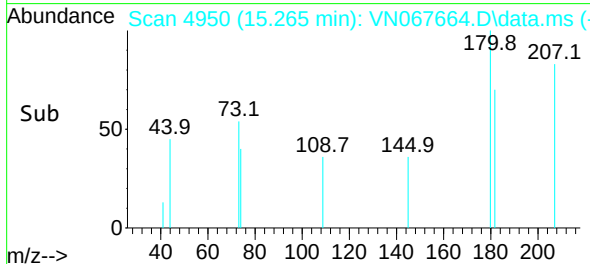
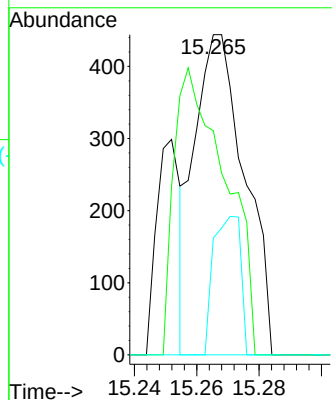
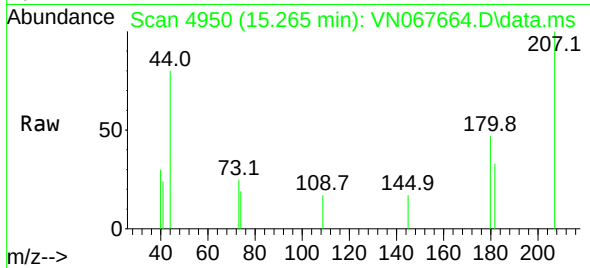




#93
1,2,4-Trichlorobenzene
Concen: 2.804 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

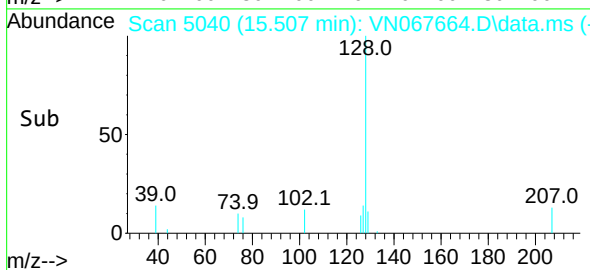
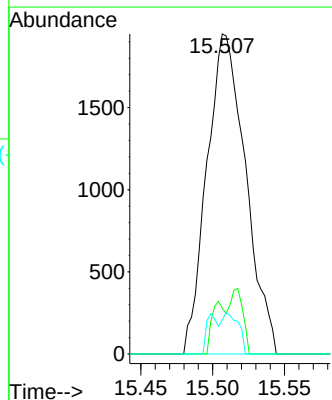
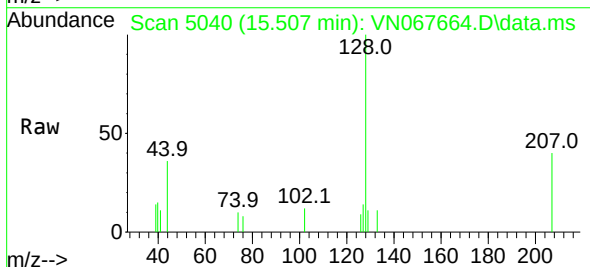
Instrument :
MSVOA_N
ClientSampled :

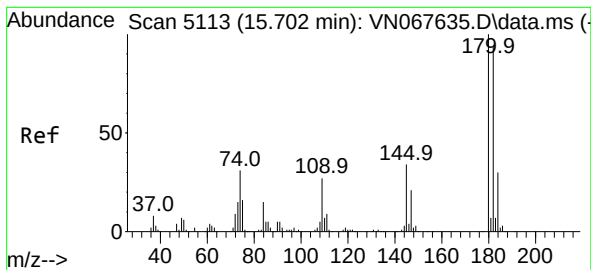
Tgt Ion:180 Resp: 498
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 23.3 17.2 51.6



#95
Naphthalene
Concen: 3.333 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067664.D
Acq: 8 Jul 2021 15:28

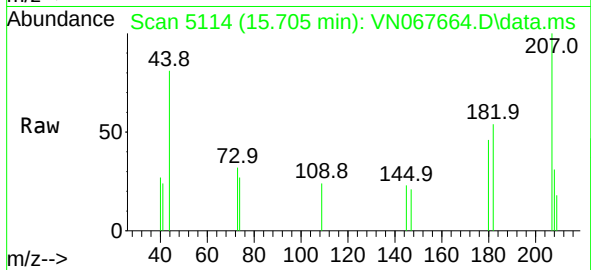
Tgt Ion:128 Resp: 3648
Ion Ratio Lower Upper
128 100
127 5.9 10.6 15.8#
129 5.5 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.797 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067664.D
 Acq: 8 Jul 2021 15:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	605
Ion	Ratio	Lower	Upper
180	100		
182	120.7	47.8	143.3
145	34.7	18.2	54.6

