

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082021\
 Data File : VN068255.D
 Acq On : 20 Aug 2021 19:20
 Operator : JC/MD
 Sample : M3489-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1-GROWS

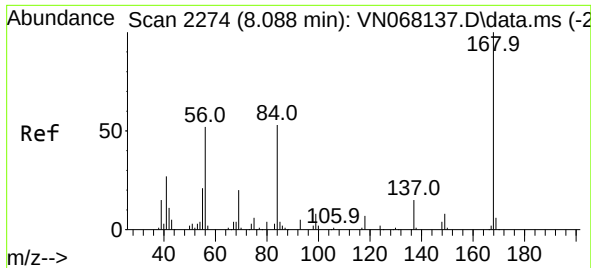
Quant Time: Aug 21 00:00:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	430000	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	731857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	745238	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	283554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	248304	54.082	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.160%	
35) Dibromofluoromethane	8.024	113	223231	48.583	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.160%	
50) Toluene-d8	10.446	98	884961	50.547	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.100%	
62) 4-Bromofluorobenzene	12.736	95	285142	48.924	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.840%	
Target Compounds						Qvalue
5) Bromomethane	2.848	94	196	Below Cal	#	4
6) Chloroethane	2.928	64	25	Below Cal	#	44
13) Acrolein	4.038	56	148	Below Cal	#	19
16) Acetone	4.296	43	37193	27.746	ug/l	96
18) Methyl Acetate	4.865	43	10459	Below Cal		91
20) Methylene Chloride	5.092	84	28669	5.853	ug/l	# 78
25) 2-Butanone	7.353	43	6945	3.324	ug/l	# 84
31) Cyclohexane	8.086	56	7549	1.248	ug/l	# 1
36) 1,1-Dichloropropene	8.086	75	27901	4.664	ug/l	# 54
37) Ethyl Acetate	7.353	43	6945	1.363	ug/l	# 69
38) Carbon Tetrachloride	8.086	117	40282	5.838	ug/l	# 17
43) Isopropyl Acetate	8.571	43	14587	1.787	ug/l	# 91
48) Methyl methacrylate	9.547	41	6498	1.910	ug/l	# 19
51) 4-Methyl-2-Pentanone	10.333	43	4100	0.818	ug/l	# 80
52) Toluene	10.507	92	3670	0.295	ug/l	93
54) cis-1,3-Dichloropropene	10.247	75	27314	3.942	ug/l	# 57
57) 1,3-Dichloropropane	11.092	76	7513	0.981	ug/l	# 43
59) 2-Hexanone	11.095	43	103779	29.802	ug/l	# 56
76) 1,2,3-Trichloropropane	12.733	75	143441	30.435	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	143441	99.712	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.265	180	90	2.703	ug/l	# 12
95) Naphthalene	15.512	128	1500	3.470	ug/l	# 74
96) 1,2,3-Trichlorobenzene	15.710	180	56	2.843	ug/l	# 12

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

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Response via : Initial Calibration

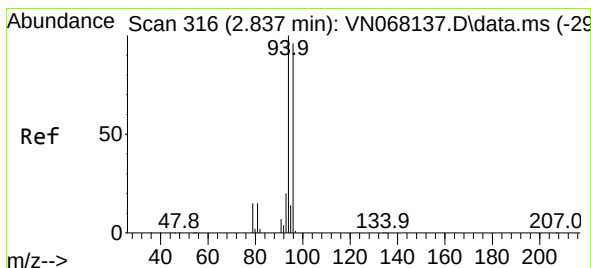
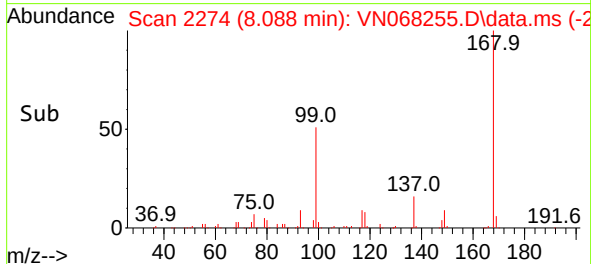
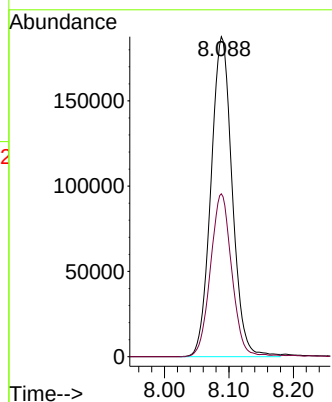
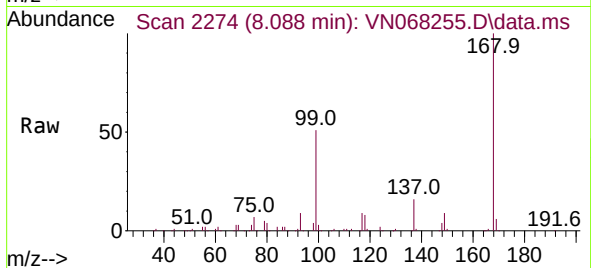




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

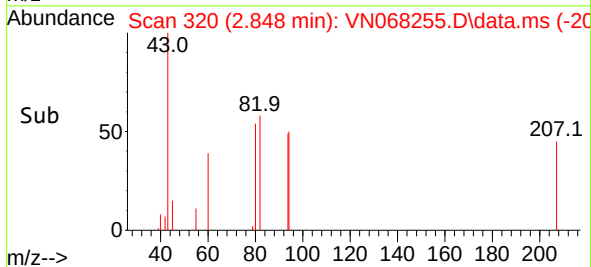
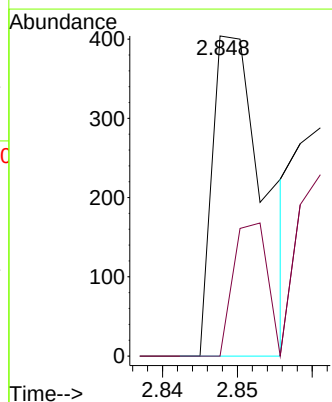
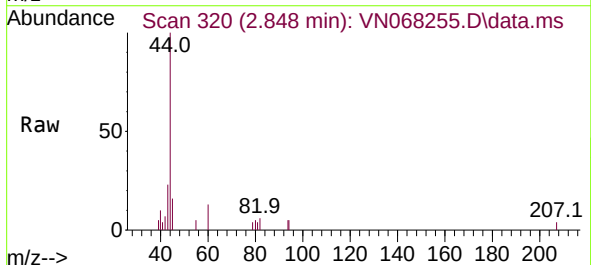
Instrument :
MSVOA_N
ClientSampleId :
1-GROWS

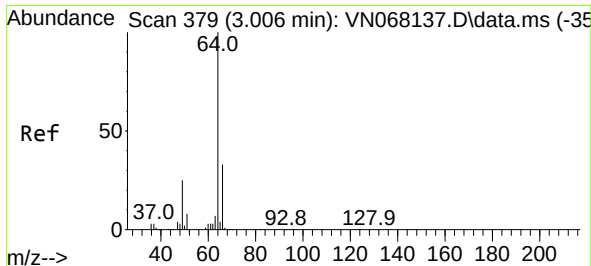
Tgt Ion:168 Resp: 430000
Ion Ratio Lower Upper
168 100
99 50.9 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.848 min Scan# 320
Delta R.T. 0.011 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

Tgt Ion: 94 Resp: 196
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

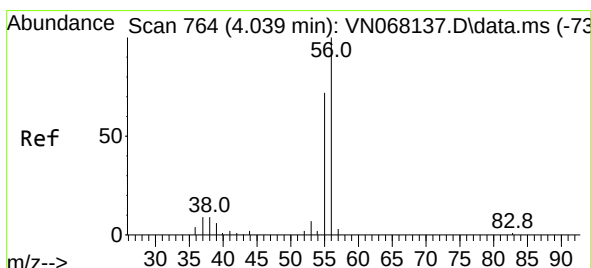
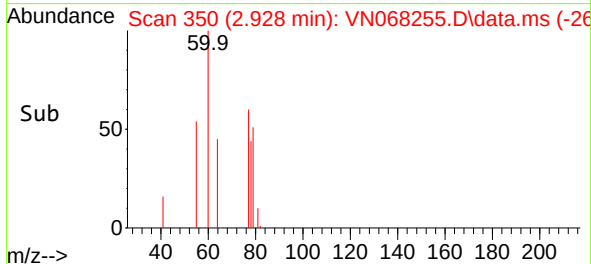
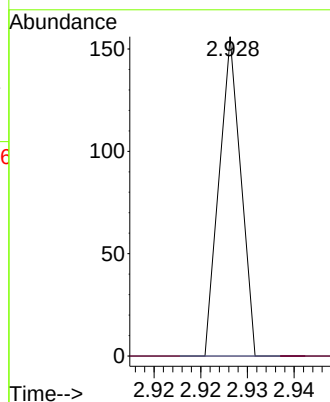
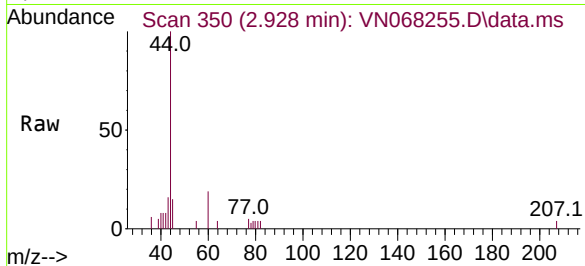




#6
Chloroethane
Concen: Below Cal
RT: 2.928 min Scan# 350
Delta R.T. -0.078 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

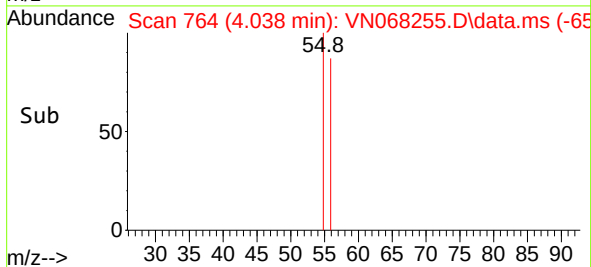
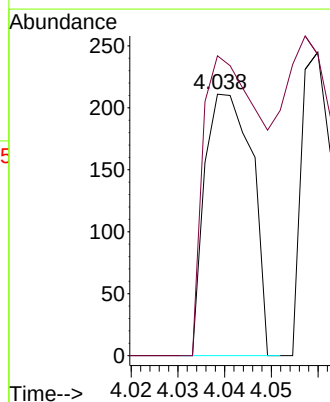
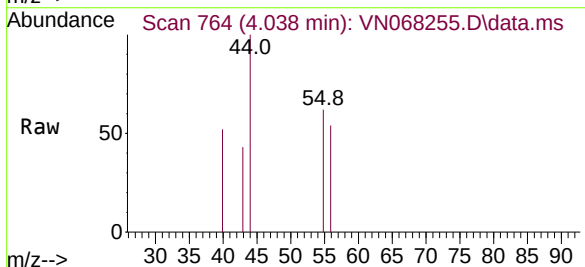
Instrument :
MSVOA_N
ClientSampled :
1-GROWS

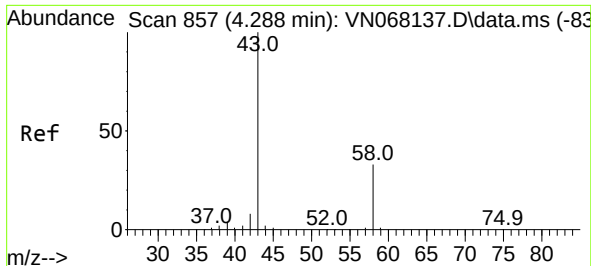
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.038 min Scan# 764
Delta R.T. -0.001 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 139.2 57.4 86.0#

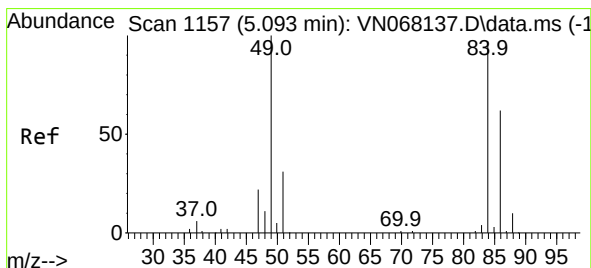
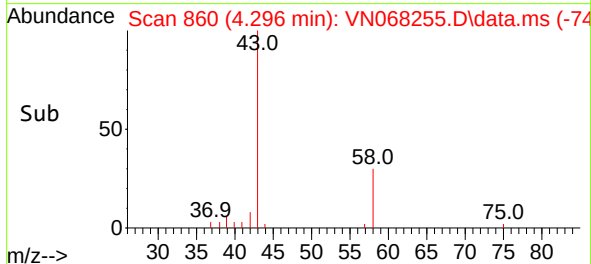
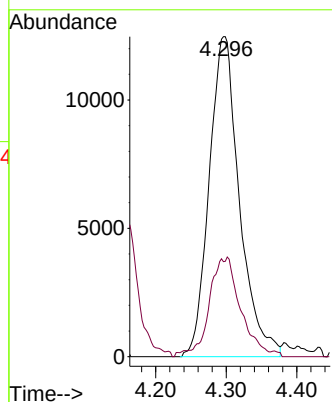
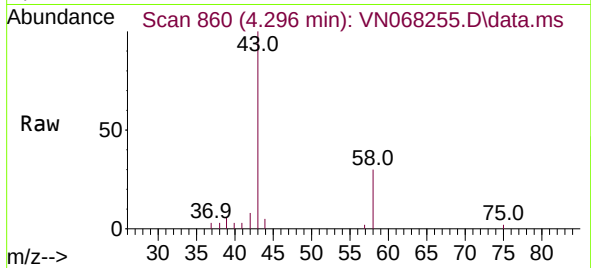




#16
Acetone
Concen: 27.746 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

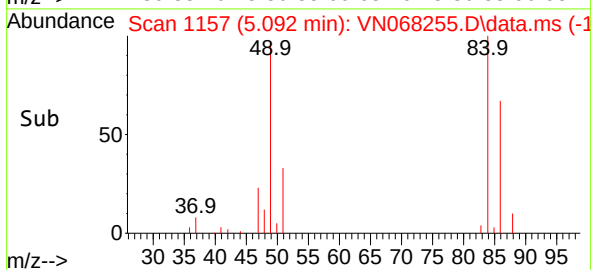
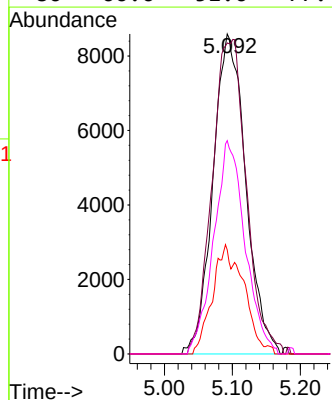
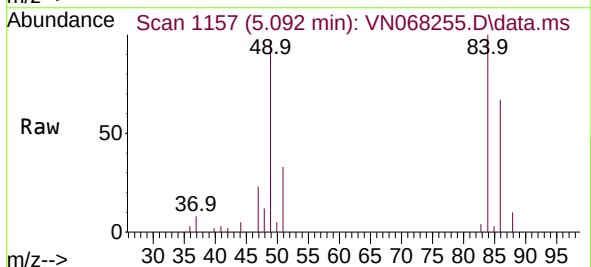
Instrument :
MSVOA_N
ClientSampled :
1-GROWS

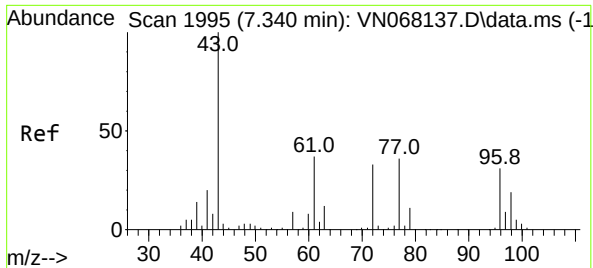
Tgt Ion: 43 Resp: 37193
Ion Ratio Lower Upper
43 100
58 28.5 21.2 31.8



#20
Methylene Chloride
Concen: 5.853 ug/l
RT: 5.092 min Scan# 1157
Delta R.T. -0.001 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

Tgt Ion: 84 Resp: 28669
Ion Ratio Lower Upper
84 100
49 97.2 110.9 166.3#
51 32.5 32.6 49.0#
86 66.6 51.6 77.4

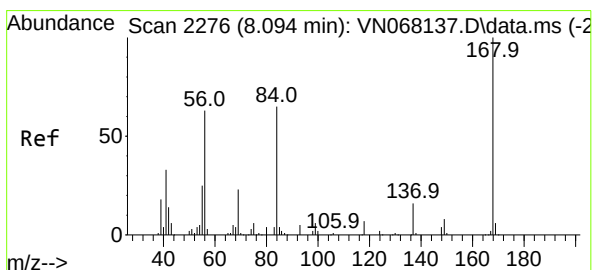
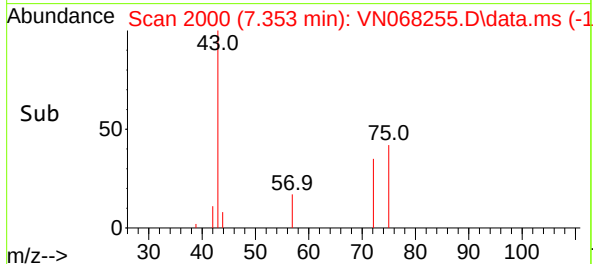
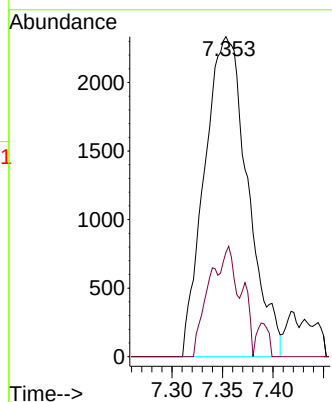
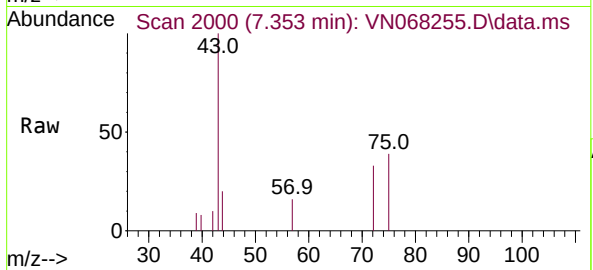




#25
2-Butanone
Concen: 3.324 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.013 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

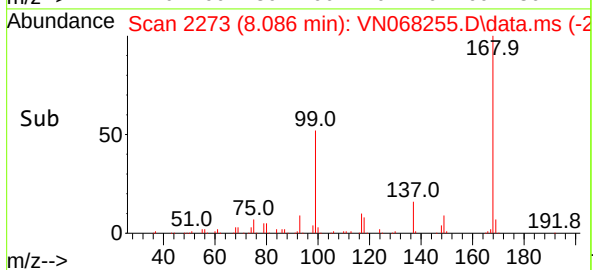
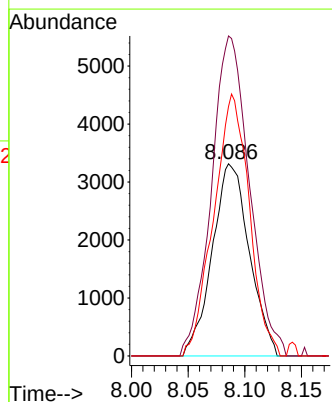
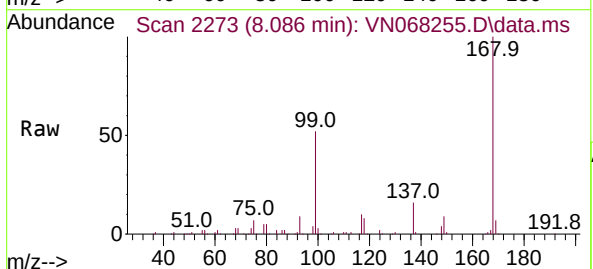
Instrument :
MSVOA_N
ClientSampled :
1-GROWS

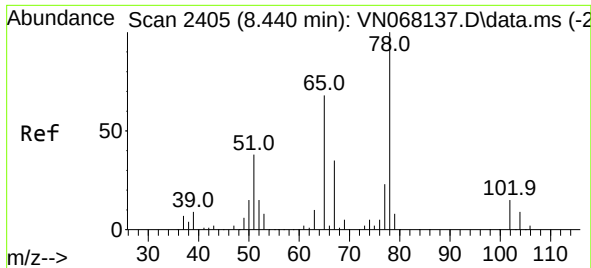
Tgt Ion: 43 Resp: 6945
Ion Ratio Lower Upper
43 100
72 32.6 19.7 29.5#



#31
Cyclohexane
Concen: 1.248 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

Tgt Ion: 56 Resp: 7549
Ion Ratio Lower Upper
56 100
69 166.5 27.3 40.9#
84 129.7 64.9 97.3#

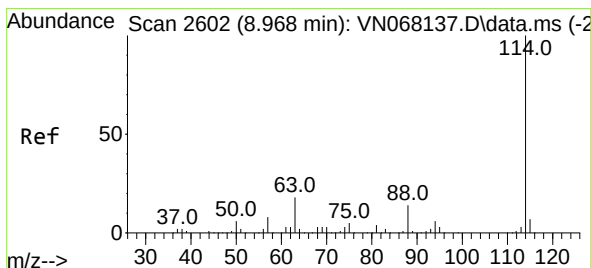
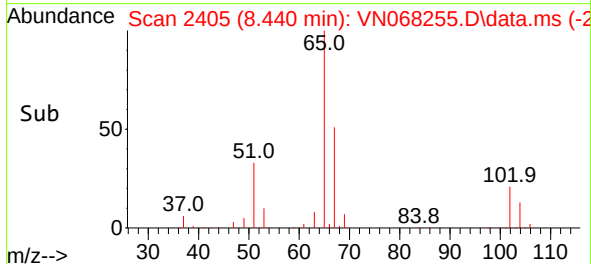
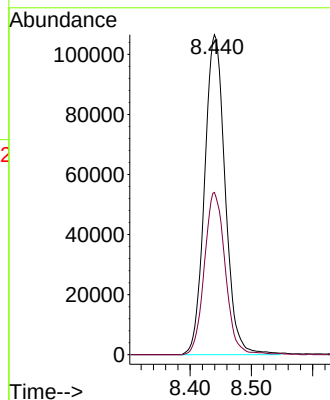
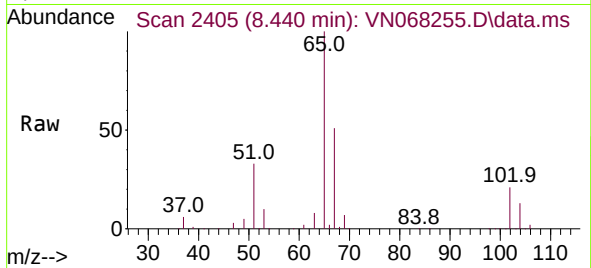




#33
 1,2-Dichloroethane-d4
 Concen: 54.082 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068255.D
 Acq: 20 Aug 2021 19:20

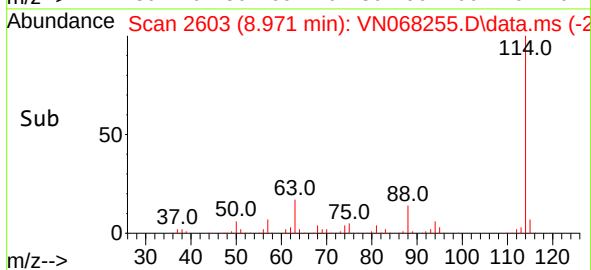
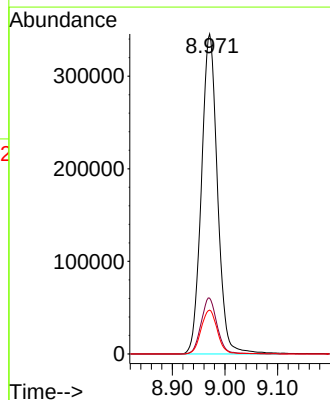
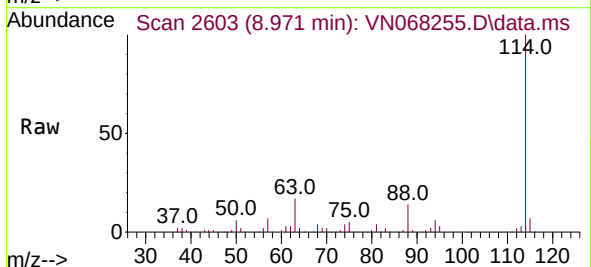
Instrument :
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 ClientSampleId :
 1-GROWS

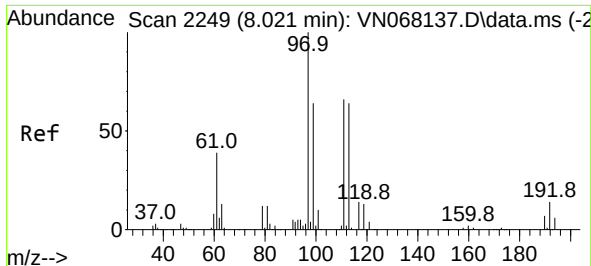
Tgt Ion: 65 Resp: 248304
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068255.D
 Acq: 20 Aug 2021 19:20

Tgt Ion: 114 Resp: 731857
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 49.0
 88 13.7 0.0 36.6

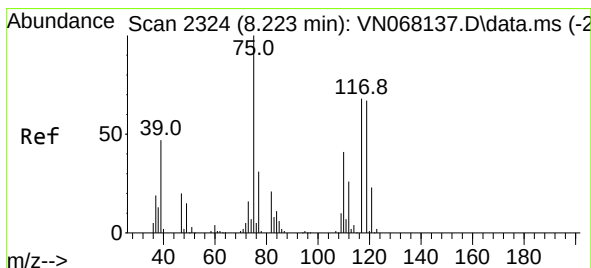
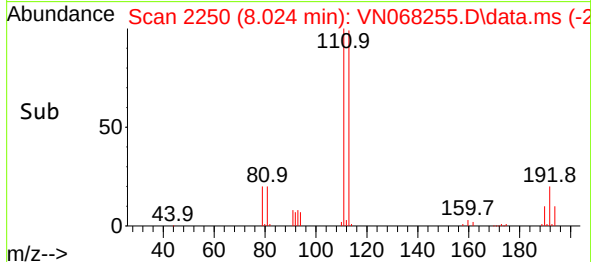
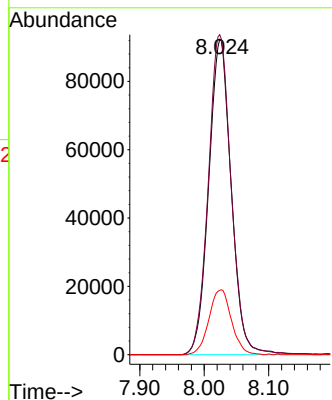
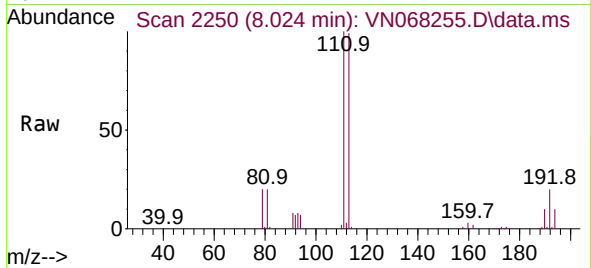




#35
Dibromofluoromethane
Concen: 48.583 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

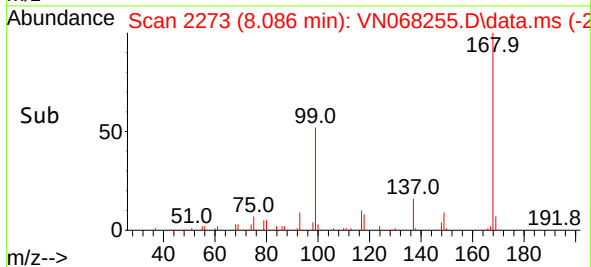
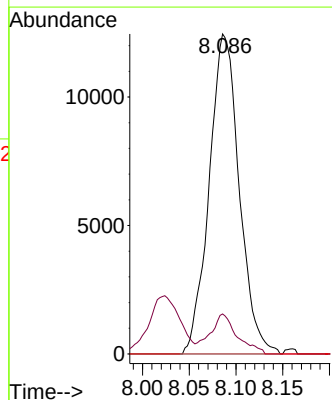
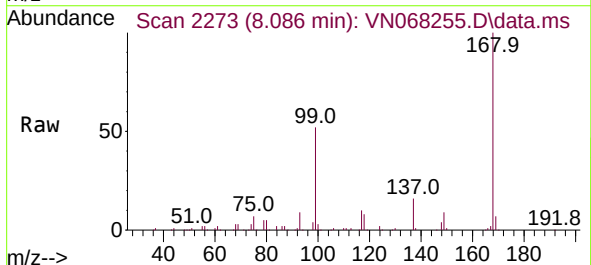
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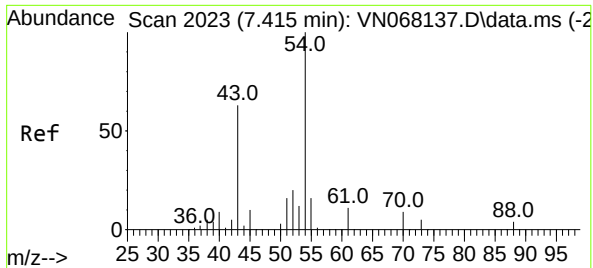
Tgt Ion:113 Resp: 223231
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.8
192 20.7 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.664 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

Tgt Ion: 75 Resp: 27901
Ion Ratio Lower Upper
75 100
110 11.1 15.7 47.0#
77 0.0 24.6 37.0#

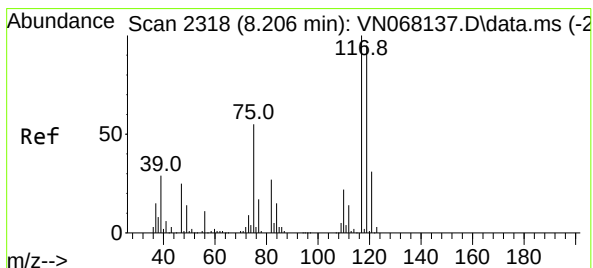
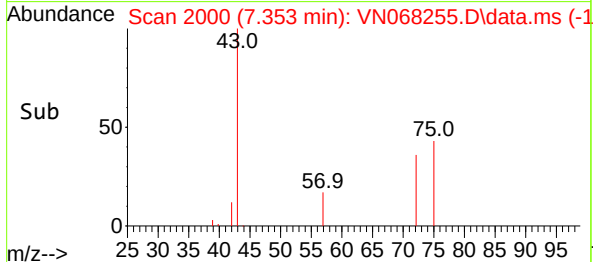
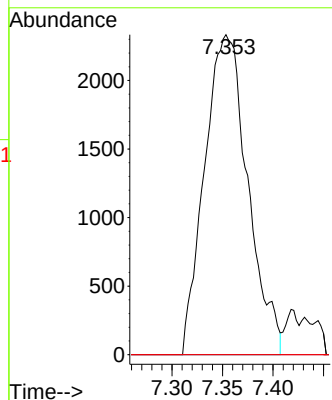
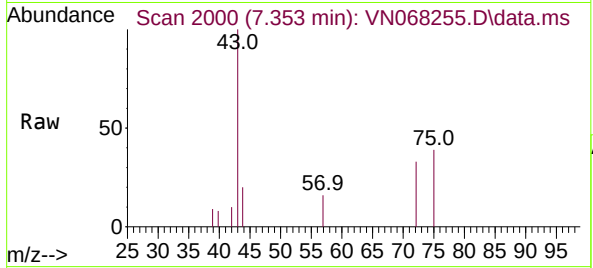




#37
Ethyl Acetate
Concen: 1.363 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. -0.062 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

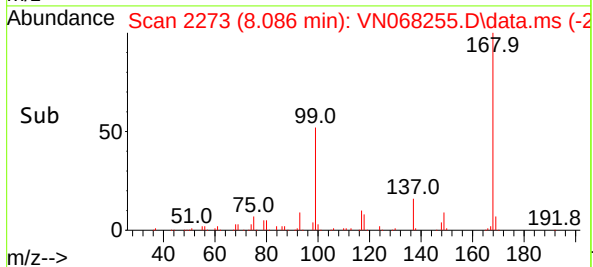
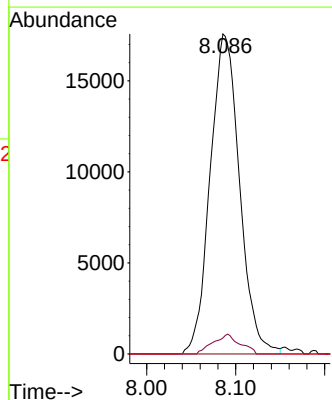
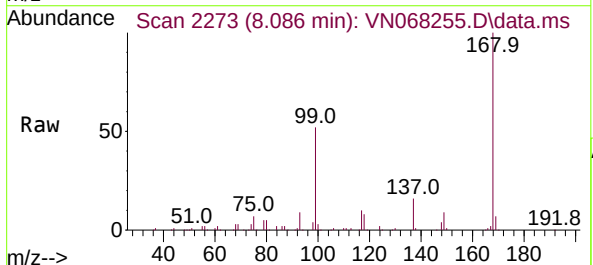
Instrument :
MSVOA_N
ClientSampleId :
1-GROWS

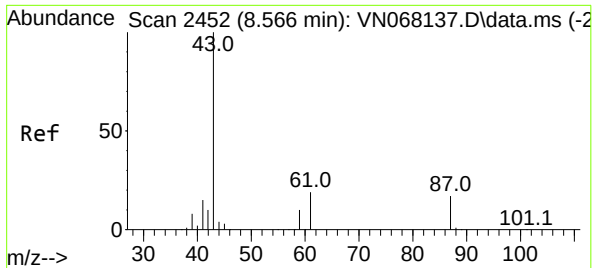
Tgt Ion: 43 Resp: 6945
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 5.838 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

Tgt Ion: 117 Resp: 40282
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 23.5 35.3#

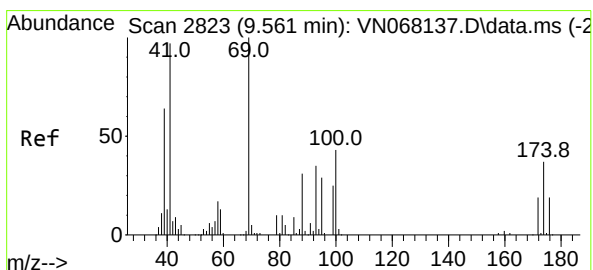
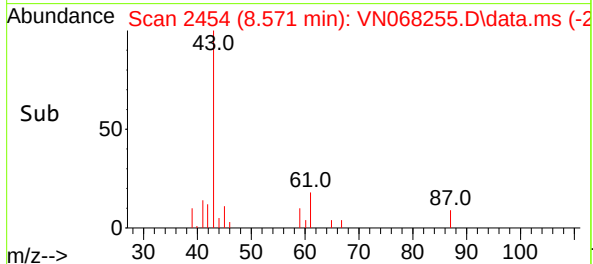
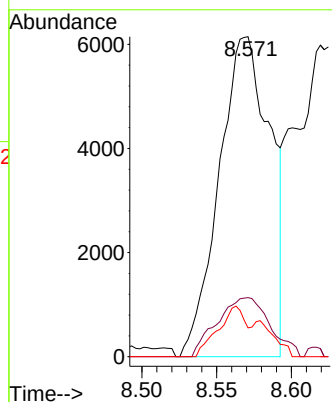
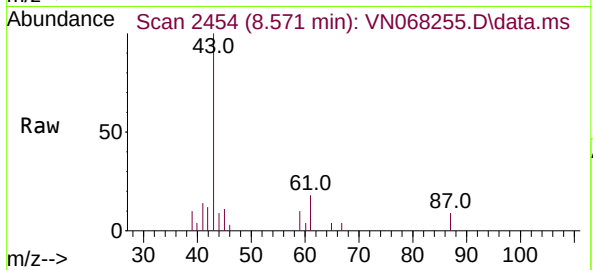




#43
Isopropyl Acetate
Concen: 1.787 ug/l
RT: 8.571 min Scan# 2454
Delta R.T. 0.005 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

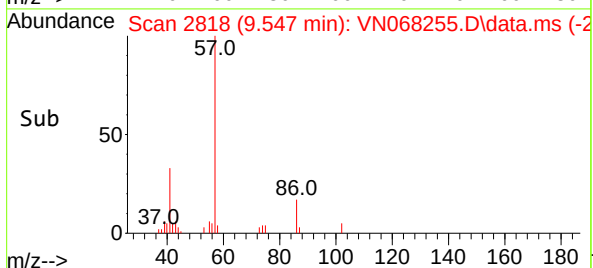
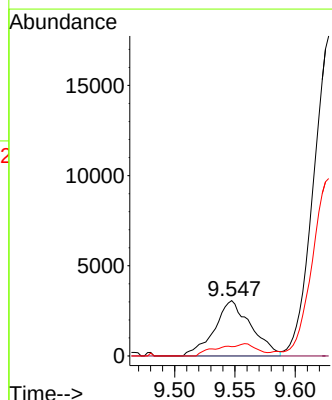
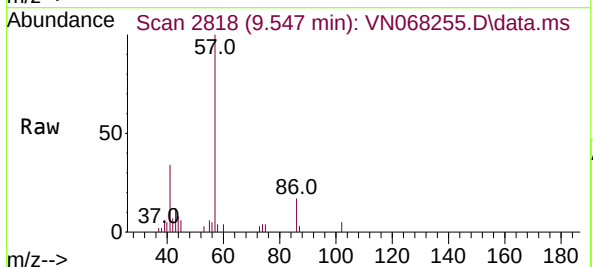
Instrument :
MSVOA_N
ClientSampled :
1-GROWS

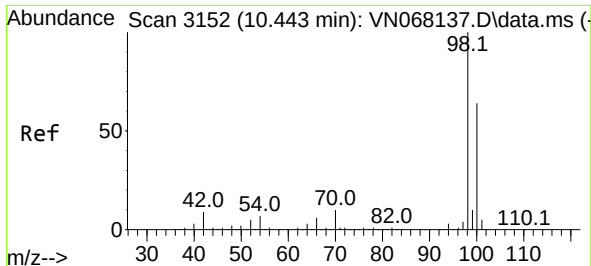
Tgt Ion: 43 Resp: 14587
Ion Ratio Lower Upper
43 100
61 19.1 19.0 28.4
87 8.4 9.5 14.3#



#48
Methyl methacrylate
Concen: 1.910 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

Tgt Ion: 41 Resp: 6498
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 10.8 53.3 79.9#

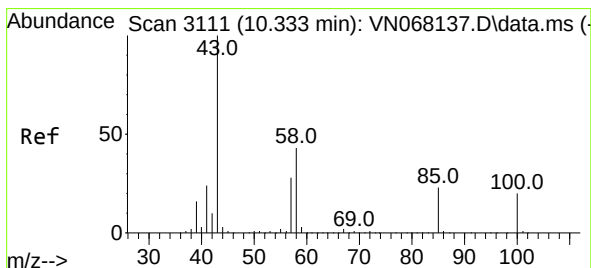
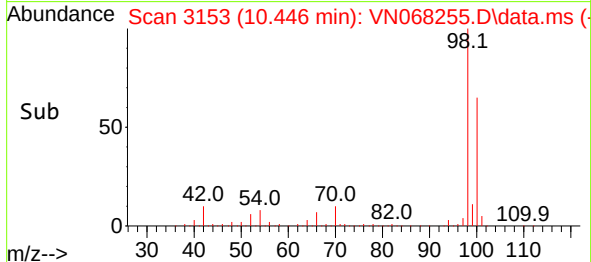
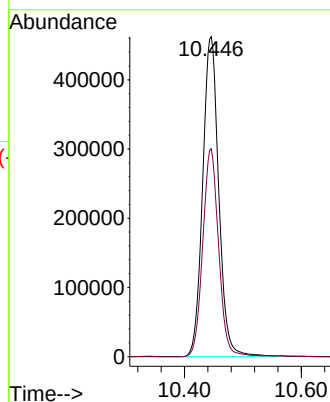
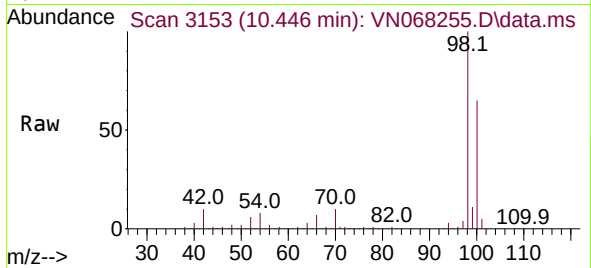




#50
Toluene-d8
Concen: 50.547 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

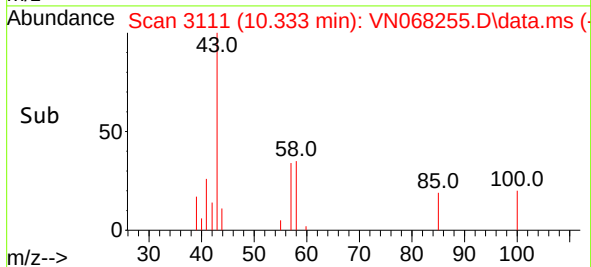
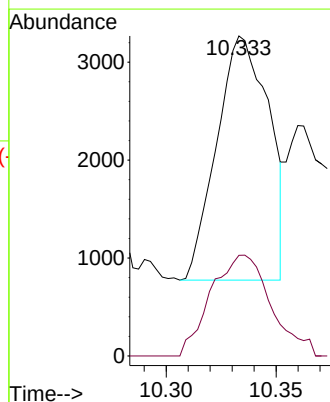
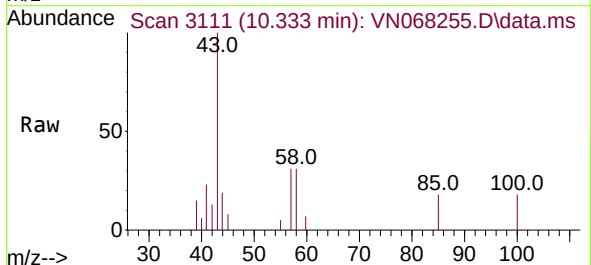
Instrument :
MSVOA_N
ClientSampleId :
1-GROWS

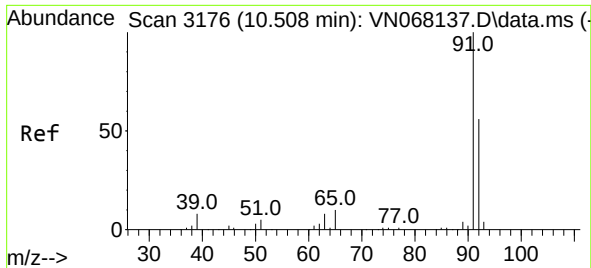
Tgt Ion: 98 Resp: 884961
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.818 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

Tgt Ion: 43 Resp: 4100
Ion Ratio Lower Upper
43 100
58 47.7 28.6 43.0#

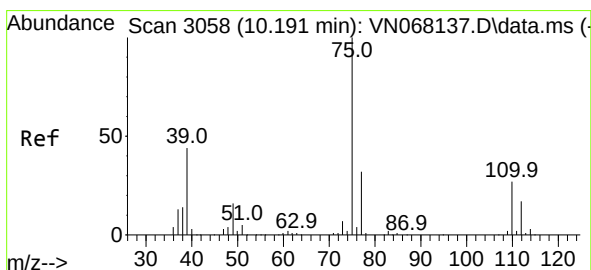
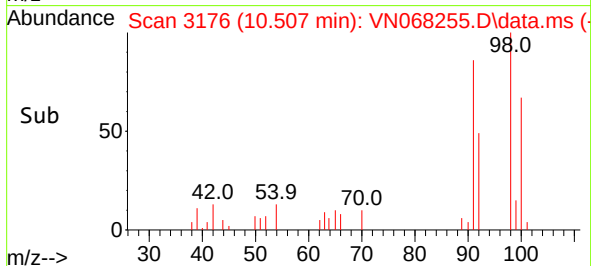
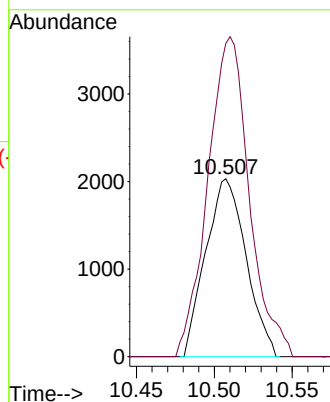
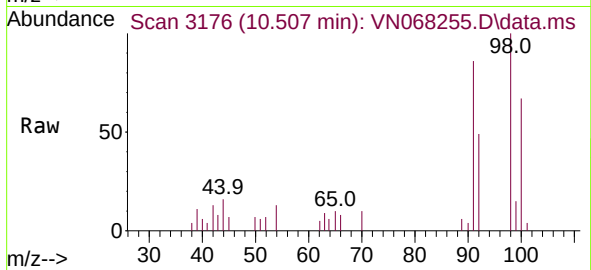




#52
Toluene
Concen: 0.295 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.001 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

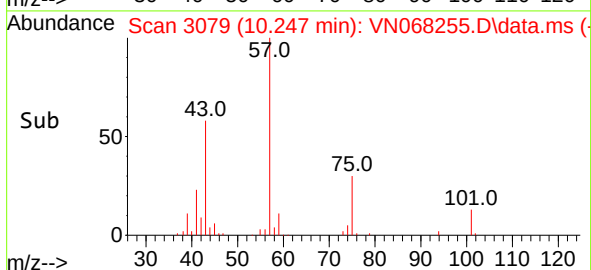
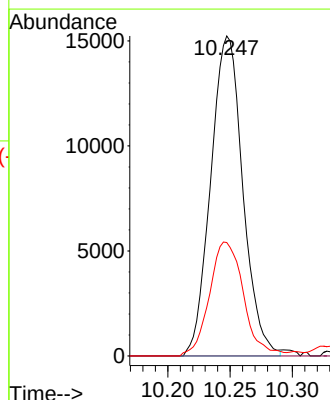
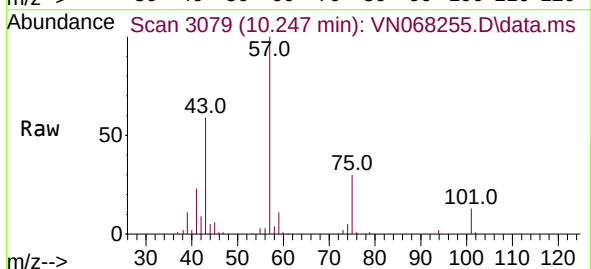
Instrument :
MSVOA_N
ClientSampled :
1-GROWS

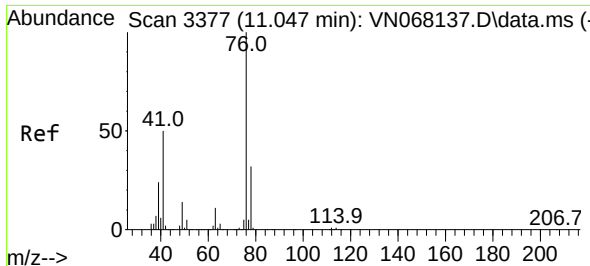
Tgt Ion: 92 Resp: 3670
Ion Ratio Lower Upper
92 100
91 184.2 139.6 209.4



#54
cis-1,3-Dichloropropene
Concen: 3.942 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

Tgt Ion: 75 Resp: 27314
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 35.4 50.7 76.1#

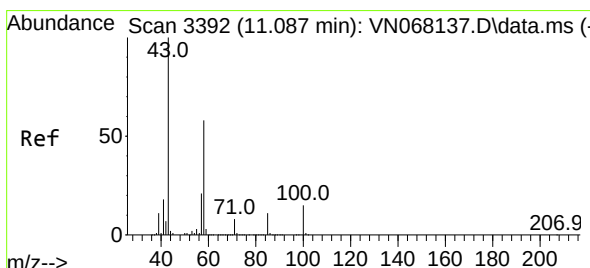
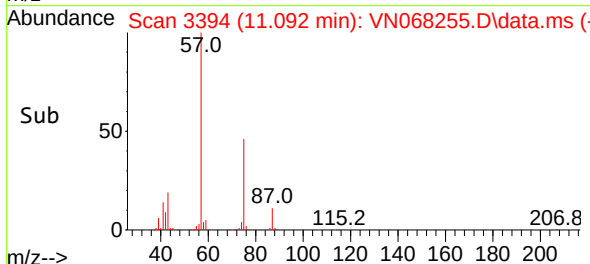
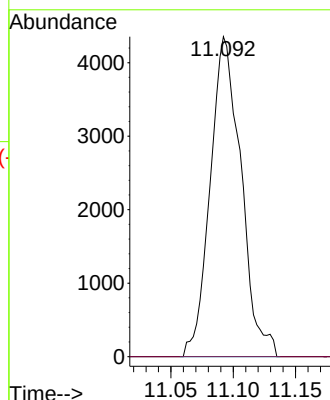
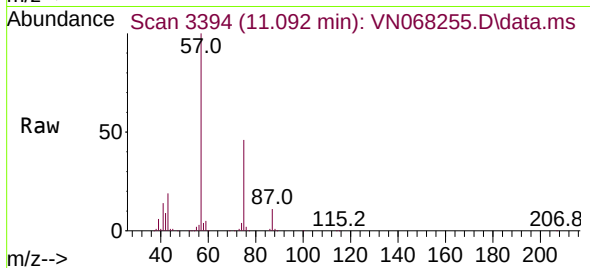




#57
1,3-Dichloropropane
Concen: 0.981 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

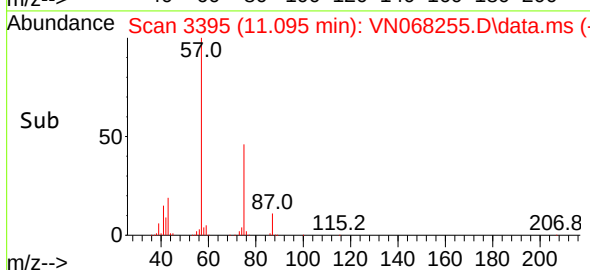
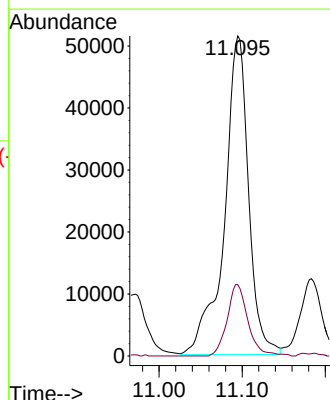
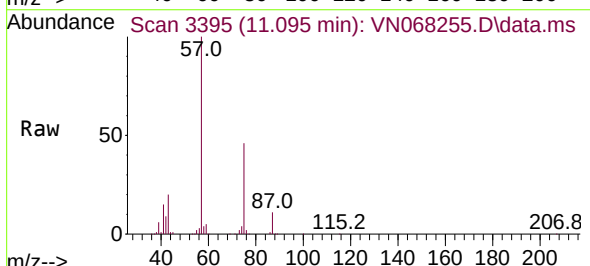
Instrument :
MSVOA_N
ClientSampleId :
1-GROWS

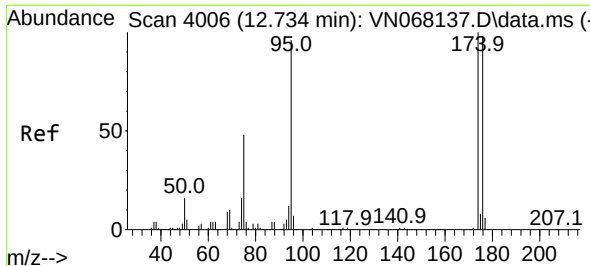
Tgt Ion: 76 Resp: 7513
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 29.802 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

Tgt Ion: 43 Resp: 103779
Ion Ratio Lower Upper
43 100
58 19.3 24.7 74.1#

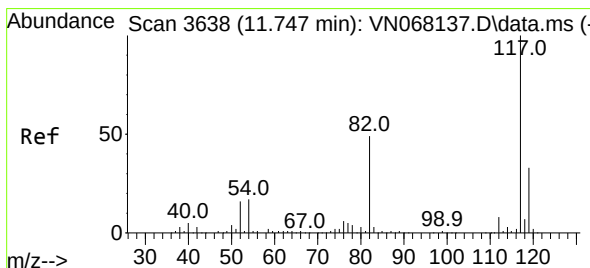
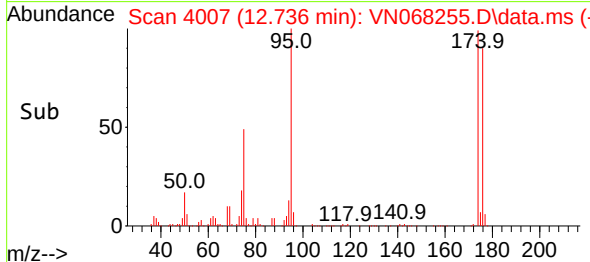
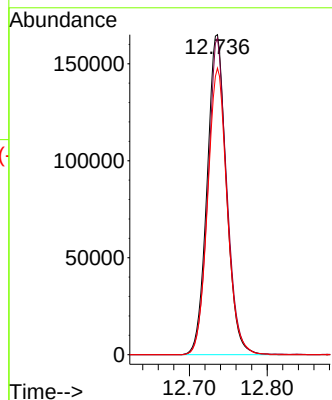
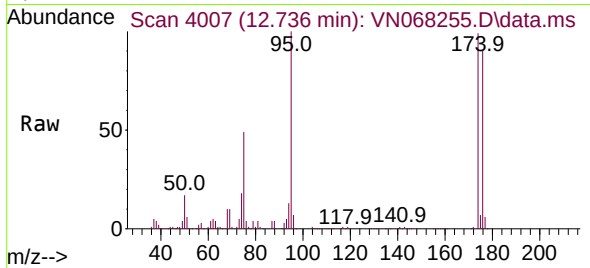




#62
4-Bromofluorobenzene
Concen: 48.924 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

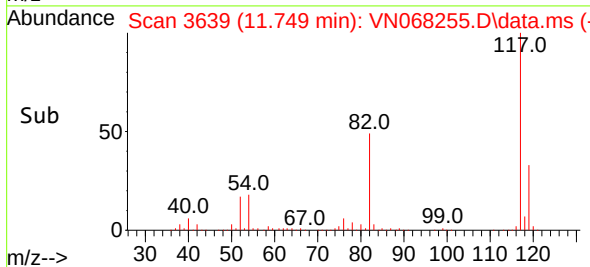
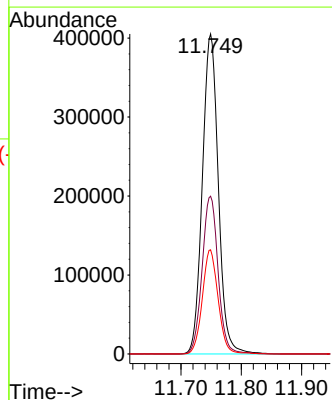
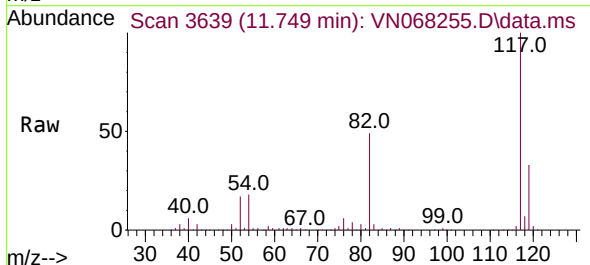
Instrument :
MSVOA_N
ClientSampleId :
1-GROWS

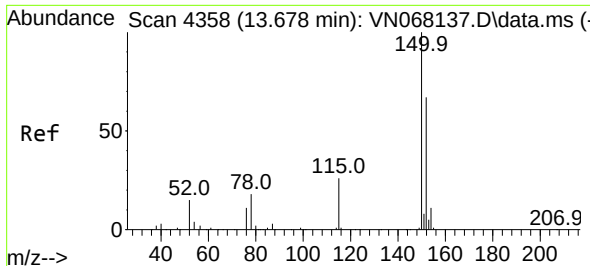
Tgt Ion: 95 Resp: 285142
Ion Ratio Lower Upper
95 100
174 96.5 0.0 122.0
176 90.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

Tgt Ion: 117 Resp: 745238
Ion Ratio Lower Upper
117 100
82 49.3 53.1 79.7#
119 32.5 25.5 38.3

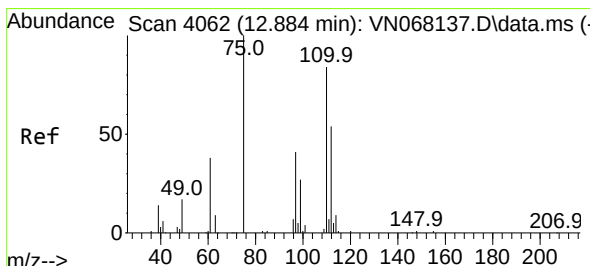
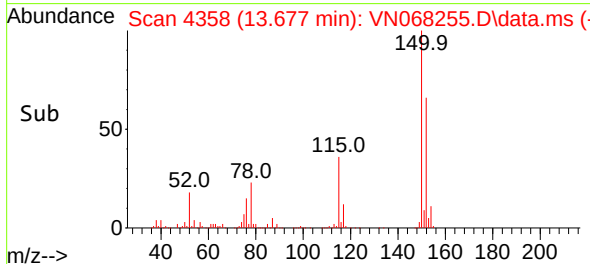
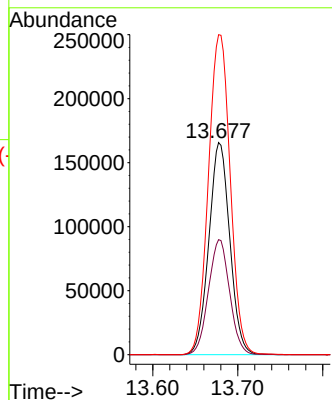
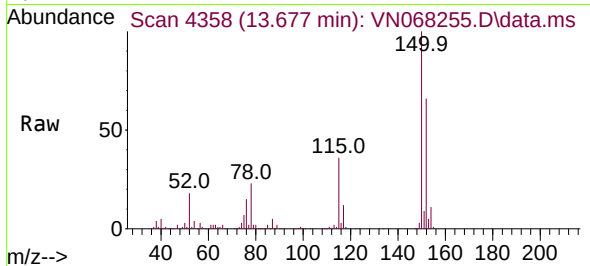




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. -0.001 min
 Lab File: VN068255.D
 Acq: 20 Aug 2021 19:20

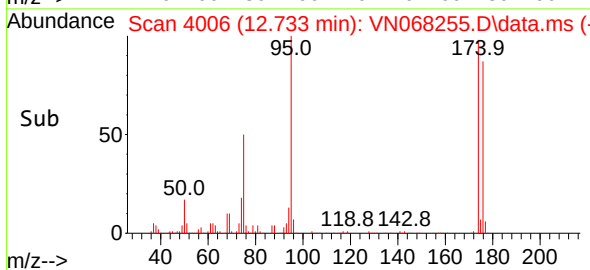
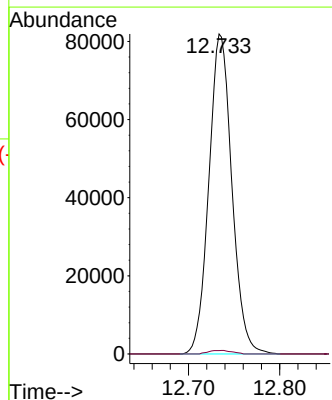
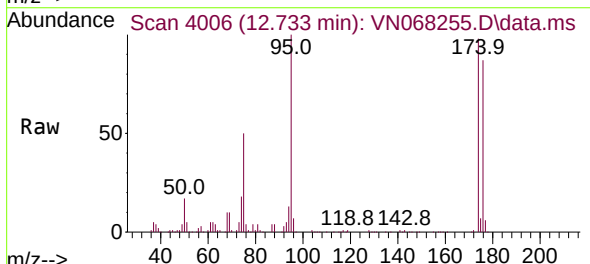
Instrument :
 MSVOA_N
 ClientSampleId :
 1-GROWS

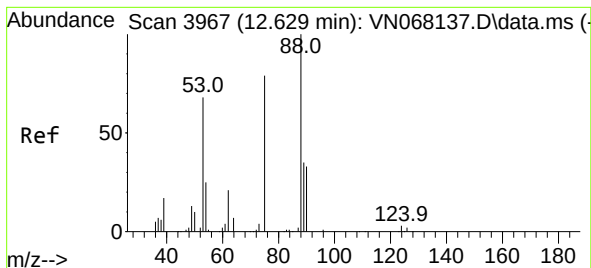
Tgt Ion:152 Resp: 283554
 Ion Ratio Lower Upper
 152 100
 115 54.8 36.1 108.5
 150 157.3 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 30.435 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN068255.D
 Acq: 20 Aug 2021 19:20

Tgt Ion: 75 Resp: 143441
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

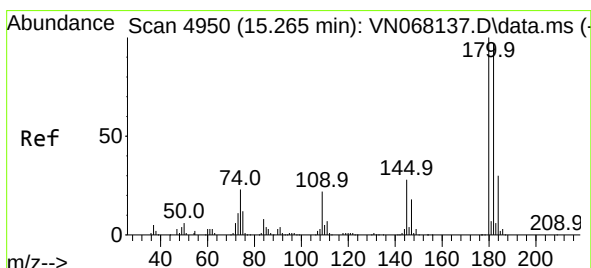
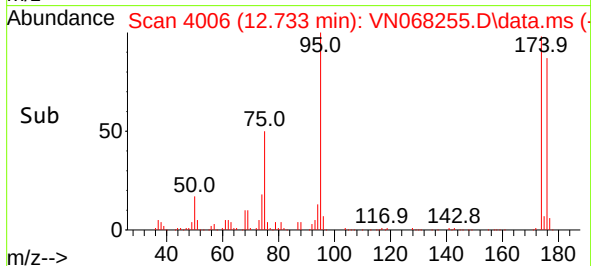
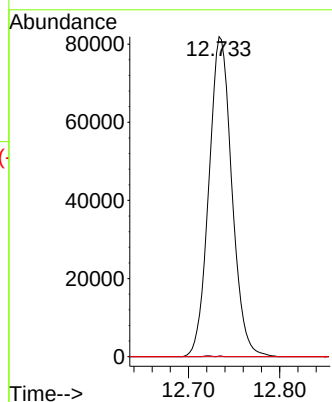
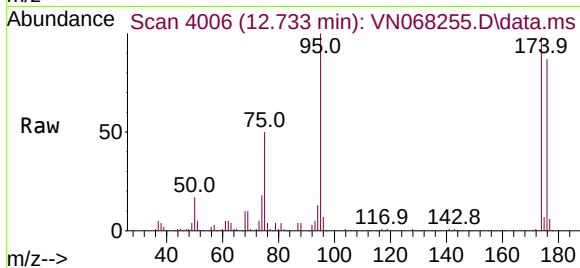




#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.712 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.104 min
 Lab File: VN068255.D
 Acq: 20 Aug 2021 19:20

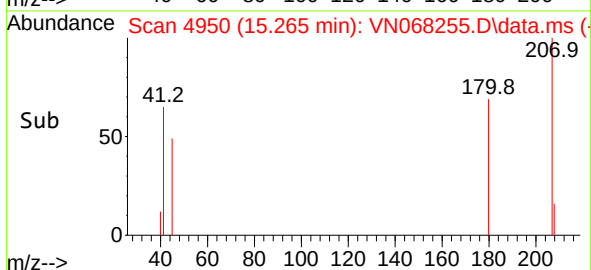
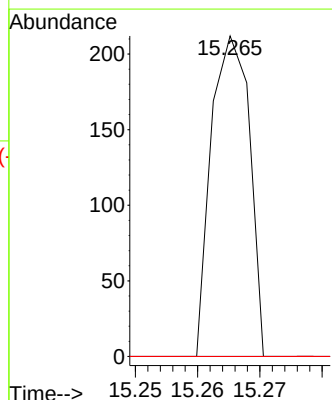
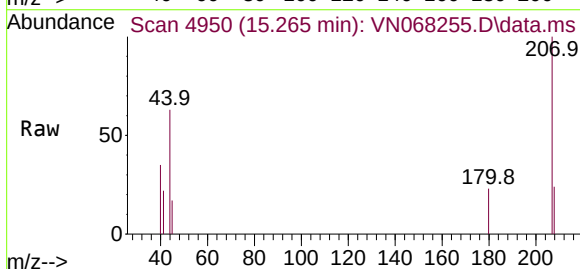
Instrument :
 MSVOA_N
 ClientSampled :
 1-GROWS

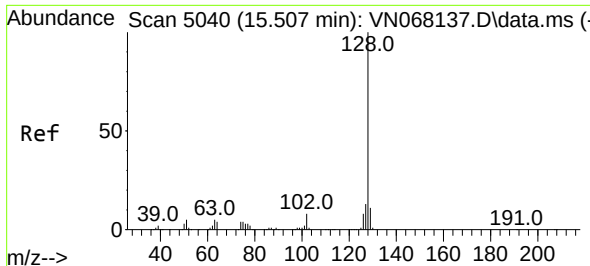
Tgt Ion: 75 Resp: 143441
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 37.8 56.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.703 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN068255.D
 Acq: 20 Aug 2021 19:20

Tgt Ion:180 Resp: 90
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.5 142.5#
 145 0.0 17.2 51.6#

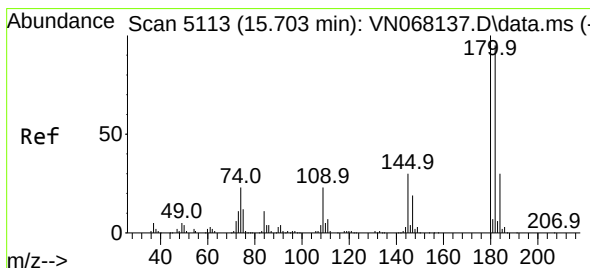
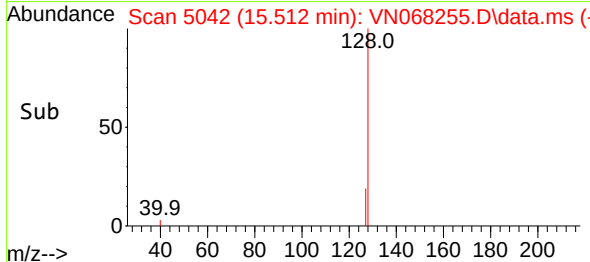
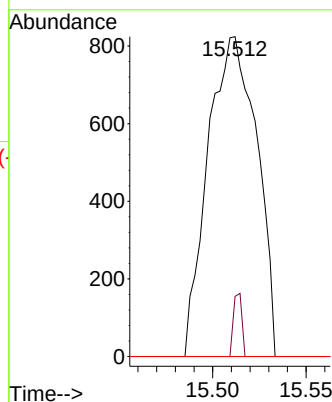
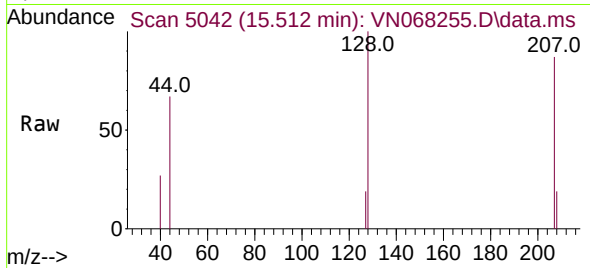




#95
Naphthalene
Concen: 3.470 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

Instrument :
MSVOA_N
ClientSampled :
1-GROWS

Tgt Ion:128 Resp: 1500
Ion Ratio Lower Upper
128 100
127 3.4 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.843 ug/l
RT: 15.710 min Scan# 5116
Delta R.T. 0.007 min
Lab File: VN068255.D
Acq: 20 Aug 2021 19:20

Tgt Ion:180 Resp: 56
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 18.2 54.6#

