

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100721\
 Data File : VN068844.D
 Acq On : 7 Oct 2021 16:22
 Operator : JC/MD
 Sample : M4111-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GROWS-2

Quant Time: Oct 08 05:59:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 14:41:09 2021
 Response via : Initial Calibration

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

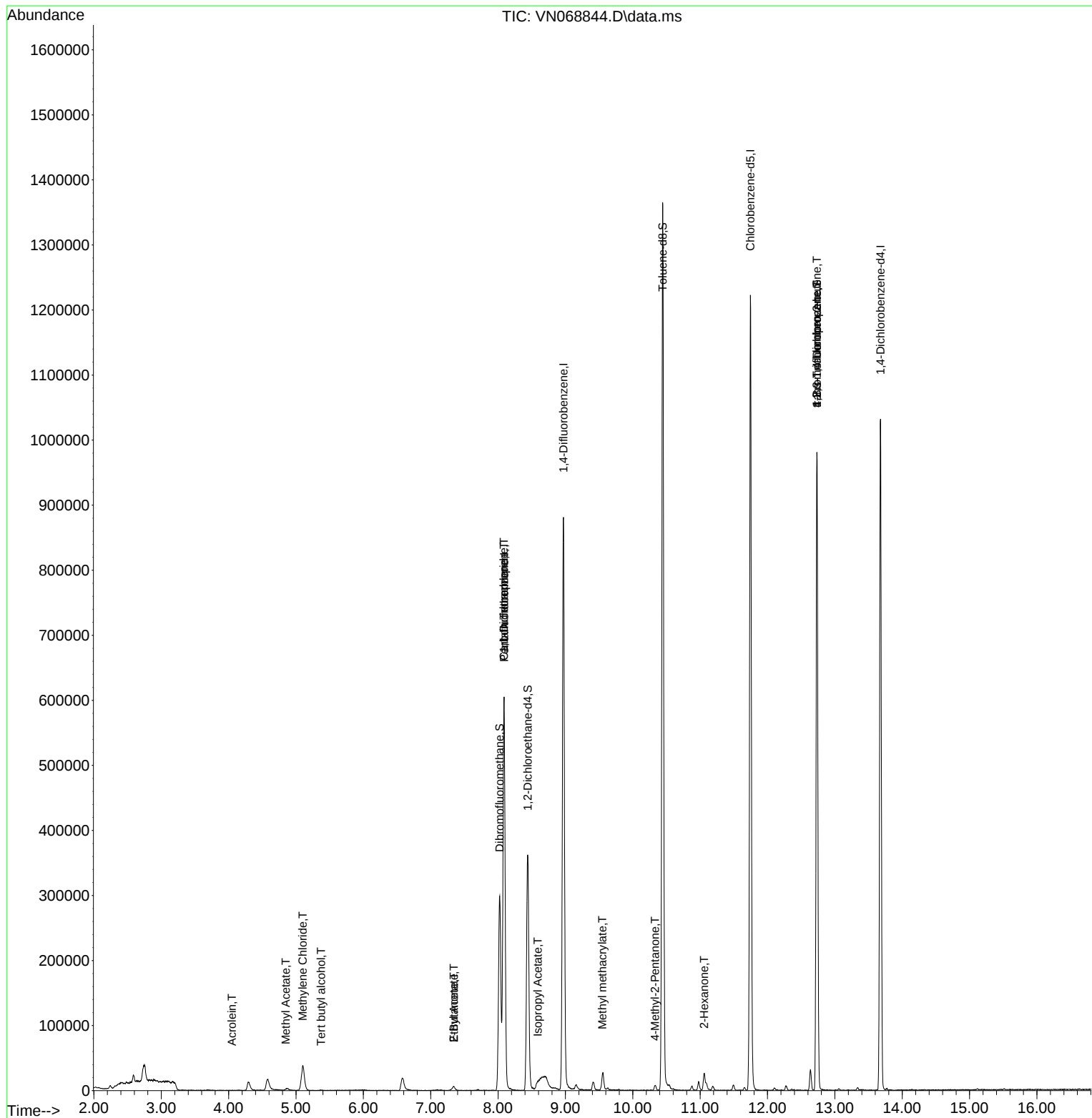
Internal Standards						
1) Pentafluorobenzene	8.091	168	435301	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	761230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	695083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	261785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	310317	48.509	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.020%
35) Dibromofluoromethane	8.024	113	213584	42.714	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	85.420%
50) Toluene-d8	10.443	98	945713	48.497	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.000%
62) 4-Bromofluorobenzene	12.733	95	313679	43.271	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	934	Below Cal	#	86
4) Vinyl Chloride	2.456	62	26	Below Cal	#	67
6) Chloroethane	2.934	64	302	Below Cal	#	44
11) Tert butyl alcohol	5.374	59	252	0.331	ug/l #	71
13) Acrolein	4.047	56	89	0.216	ug/l #	50
16) Acetone	4.291	43	24703	Below Cal		95
17) Carbon Disulfide	4.537	76	163	Below Cal	#	74
18) Methyl Acetate	4.848	43	2002	0.317	ug/l	99
20) Methylene Chloride	5.101	84	29744	4.318	ug/l	92
21) trans-1,2-Dichloroethene	5.803	96	60	Below Cal	#	1
25) 2-Butanone	7.343	43	9175	3.142	ug/l	93
31) Cyclohexane	8.091	56	11353	Below Cal	#	35
36) 1,1-Dichloropropene	8.088	75	38584	6.412	ug/l #	51
37) Ethyl Acetate	7.343	43	9175	1.597	ug/l #	69
38) Carbon Tetrachloride	8.086	117	48169	6.646	ug/l #	16
43) Isopropyl Acetate	8.587	43	8679	0.831	ug/l #	58
48) Methyl methacrylate	9.550	41	9363	2.099	ug/l #	28
51) 4-Methyl-2-Pentanone	10.330	43	6380	0.959	ug/l	91
59) 2-Hexanone	11.060	43	22301	4.650	ug/l #	37
76) 1,2,3-Trichloropropane	12.733	75	184446	35.742	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	184446	103.545	ug/l #	6

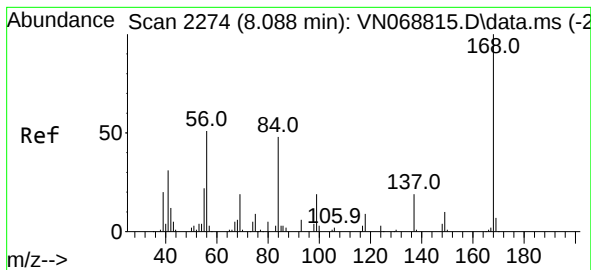
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. 0.003 min

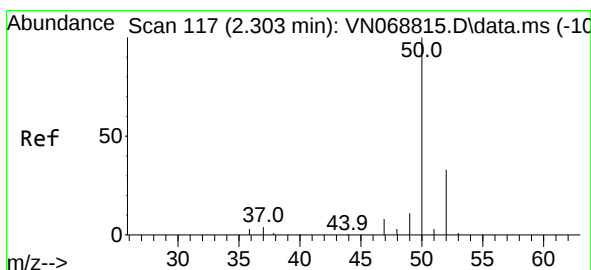
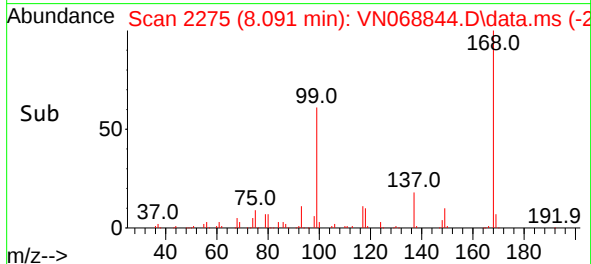
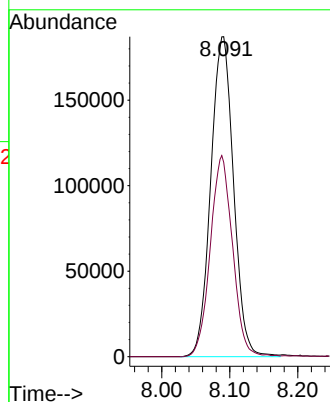
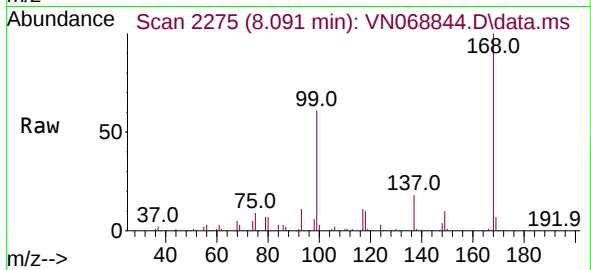
Lab File: VN068844.D

Acq: 7 Oct 2021 16:22

Tgt Ion:168 Resp: 435301

Ion Ratio Lower Upper

168 100
99 60.7 62.9 94.3#



#3

Chloromethane

Concen: Below Cal

RT: 2.303 min Scan# 117

Delta R.T. 0.000 min

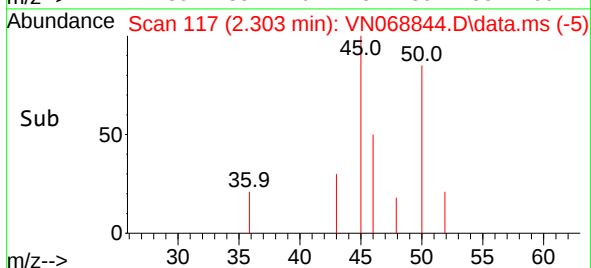
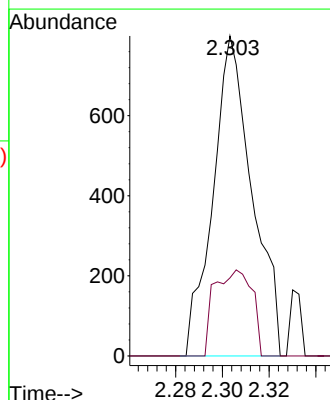
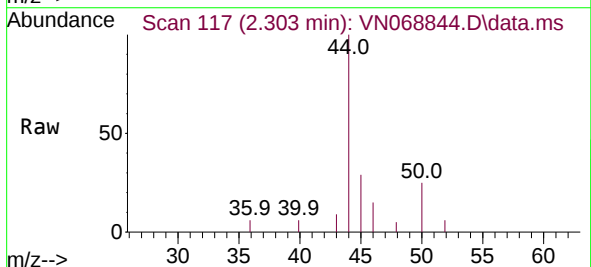
Lab File: VN068844.D

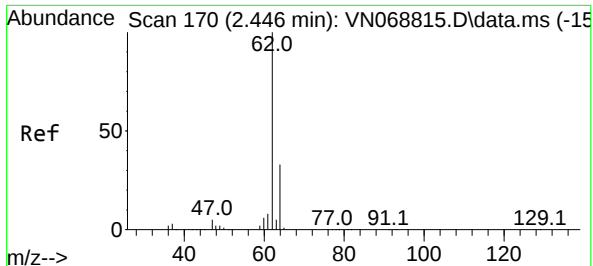
Acq: 7 Oct 2021 16:22

Tgt Ion: 50 Resp: 934

Ion Ratio Lower Upper

50 100
52 24.4 25.6 38.4#

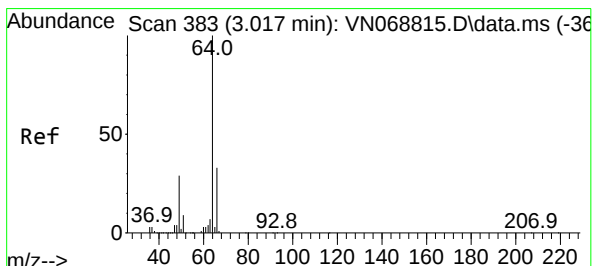
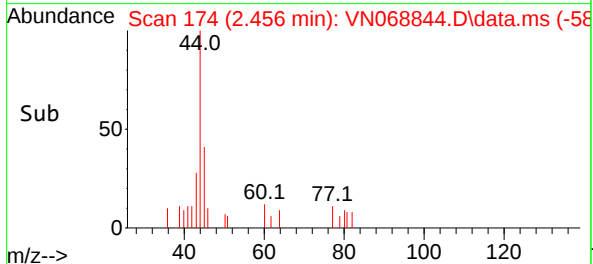
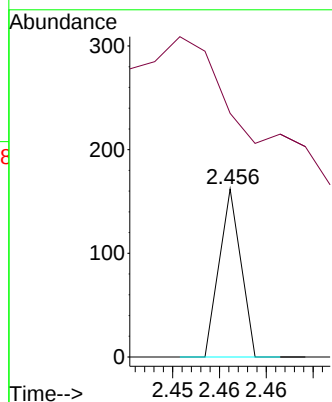
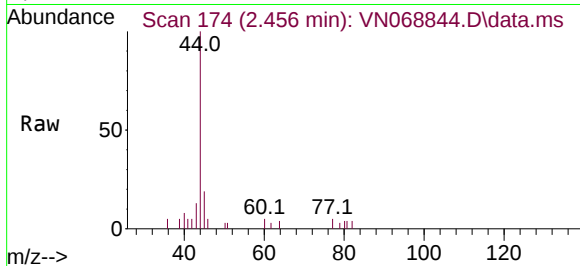




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.456 min Scan# 174
 Delta R.T. 0.010 min
 Lab File: VN068844.D
 Acq: 7 Oct 2021 16:22

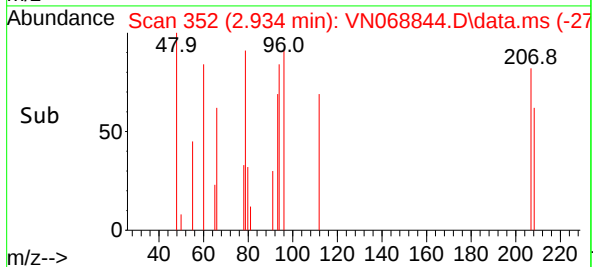
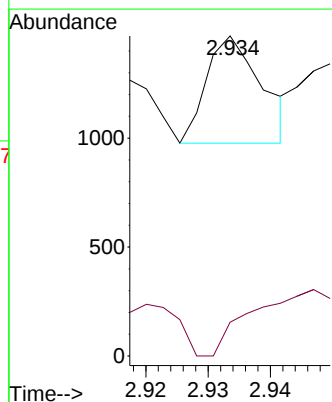
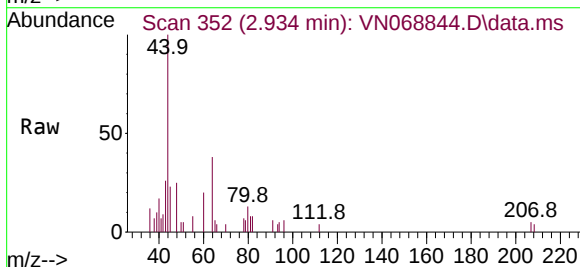
Instrument :
 MSVOA_N
 ClientSampled :
 GROWS-2

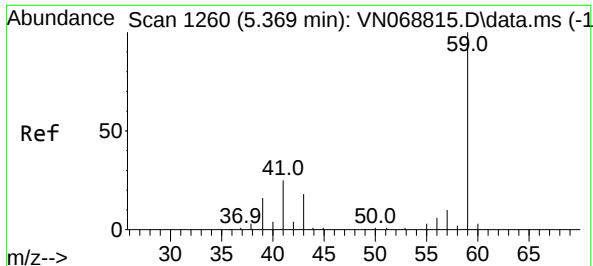
Tgt Ion: 62 Resp: 26
 Ion Ratio Lower Upper
 62 100
 64 12.3 24.4 36.6#



#6
 Chloroethane
 Concen: Below Cal
 RT: 2.934 min Scan# 352
 Delta R.T. -0.083 min
 Lab File: VN068844.D
 Acq: 7 Oct 2021 16:22

Tgt Ion: 64 Resp: 302
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.7 37.1#



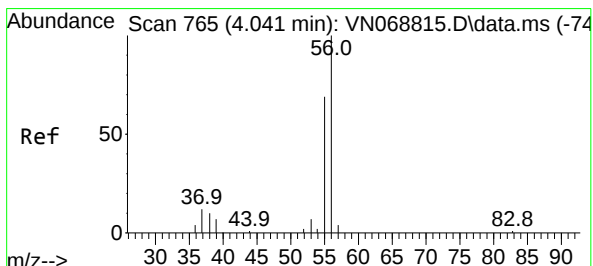
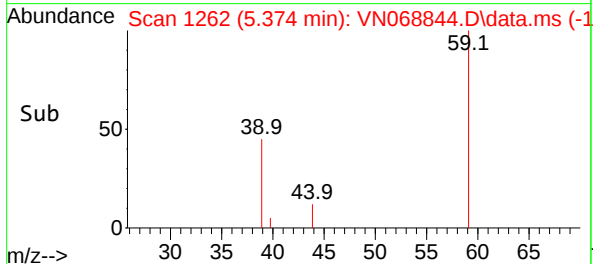
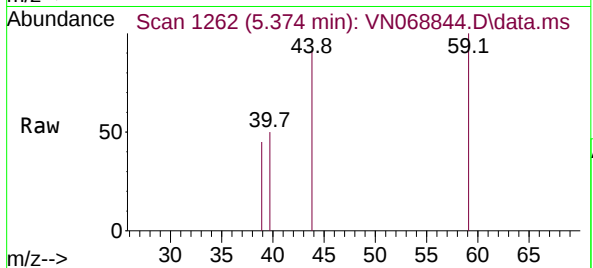


#11

Tert butyl alcohol
Concen: 0.331 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. 0.005 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

Instrument :
MSVOA_N
ClientSampled :
GROWS-2

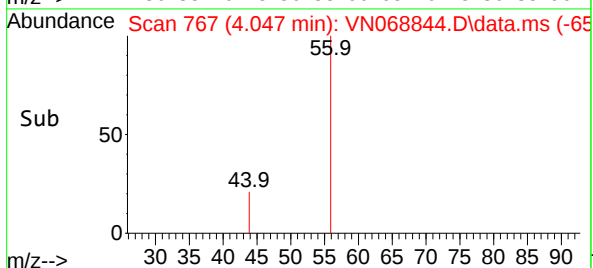
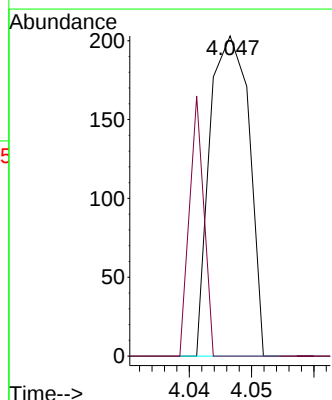
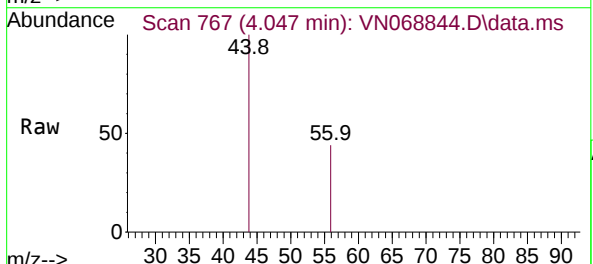
Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

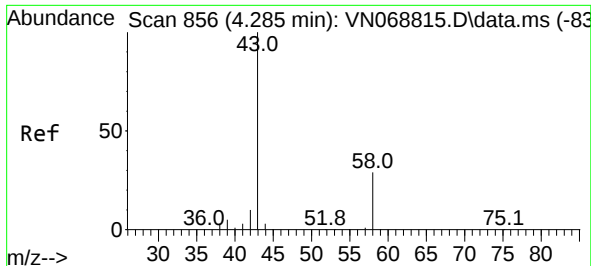


#13

Acrolein
Concen: 0.216 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.006 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 30.3 57.4 86.0#

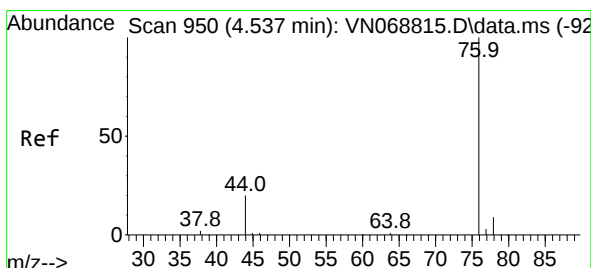
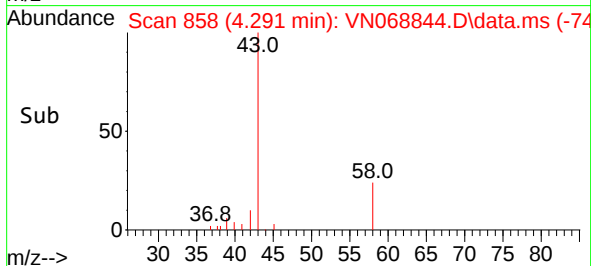
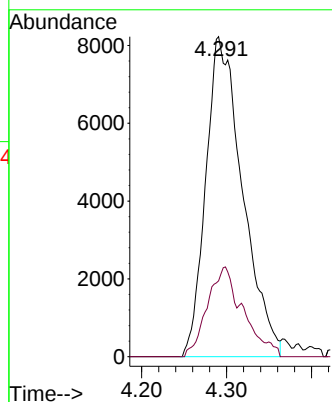
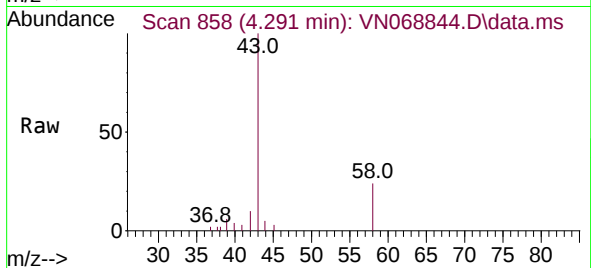




#16
Acetone
Concen: Below Cal
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

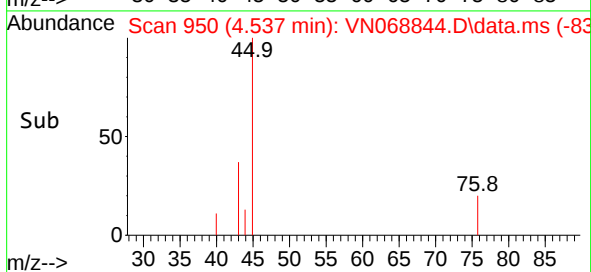
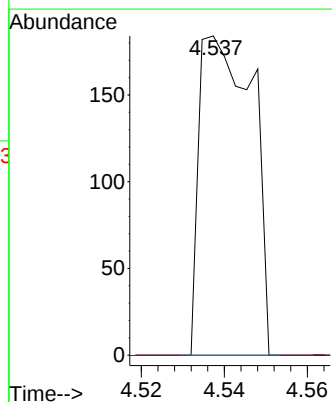
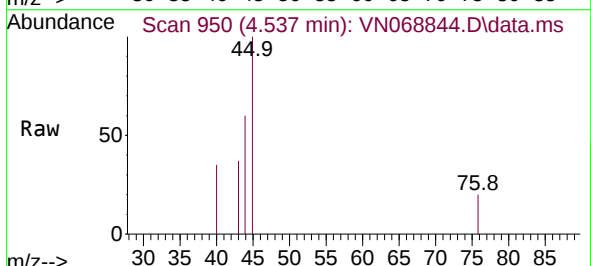
Instrument :
MSVOA_N
ClientSampled :
GROWS-2

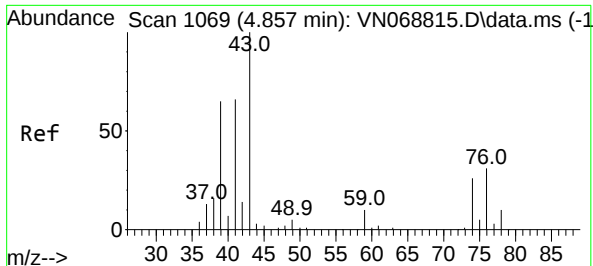
Tgt Ion: 43 Resp: 24703
Ion Ratio Lower Upper
43 100
58 23.7 21.2 31.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.537 min Scan# 950
Delta R.T. 0.000 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

Tgt Ion: 76 Resp: 163
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

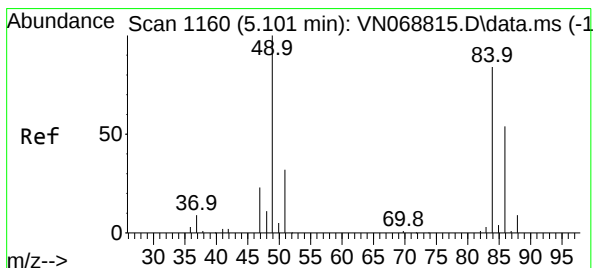
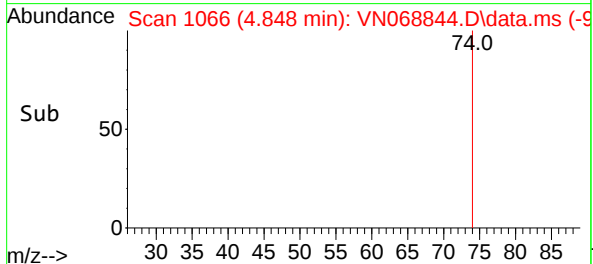
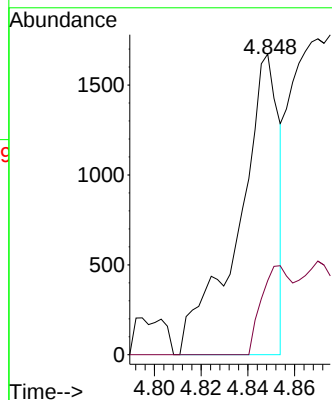
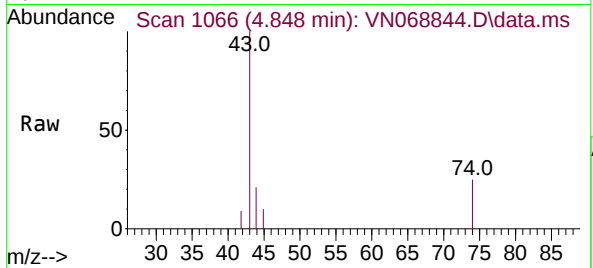




#18
Methyl Acetate
Concen: 0.317 ug/l
RT: 4.848 min Scan# 1066
Delta R.T. -0.009 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

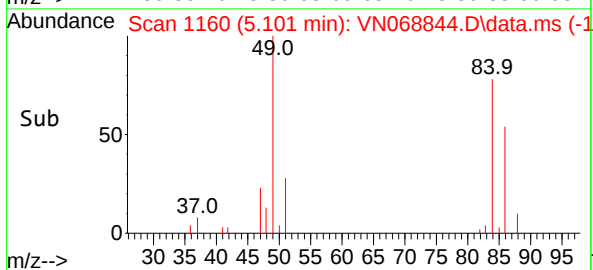
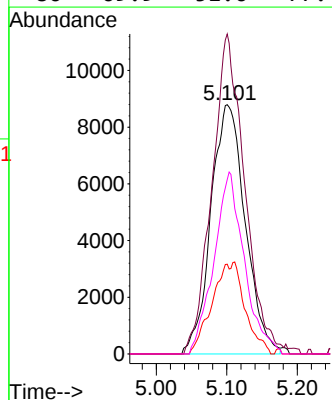
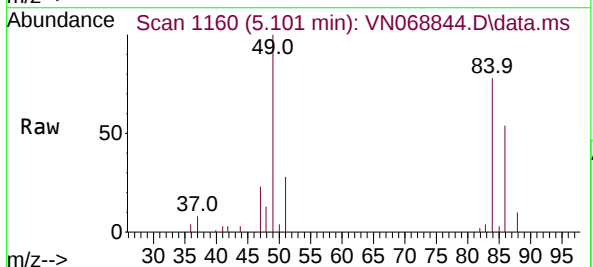
Instrument :
MSVOA_N
ClientSampled :
GROWS-2

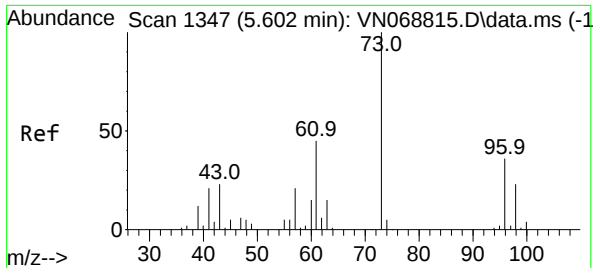
Tgt Ion: 43 Resp: 2002
Ion Ratio Lower Upper
43 100
74 22.0 17.4 26.0



#20
Methylene Chloride
Concen: 4.318 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. -0.000 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

Tgt Ion: 84 Resp: 29744
Ion Ratio Lower Upper
84 100
49 128.3 110.9 166.3
51 36.0 32.6 49.0
86 69.9 51.6 77.4

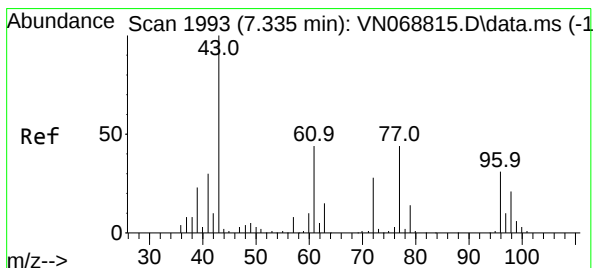
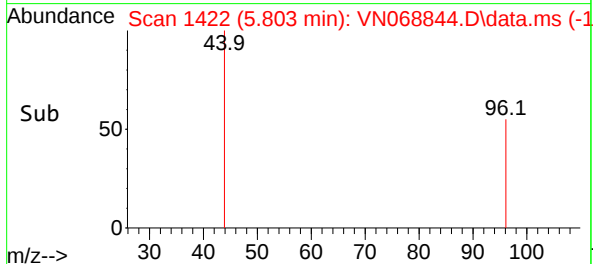
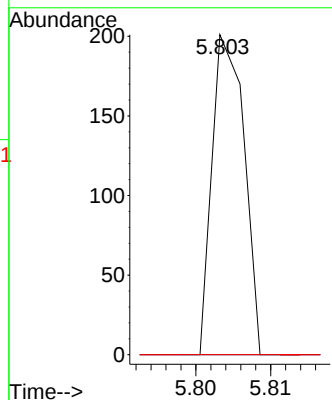
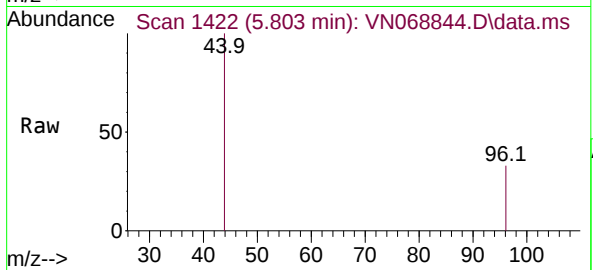




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.803 min Scan# 1422
Delta R.T. 0.201 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

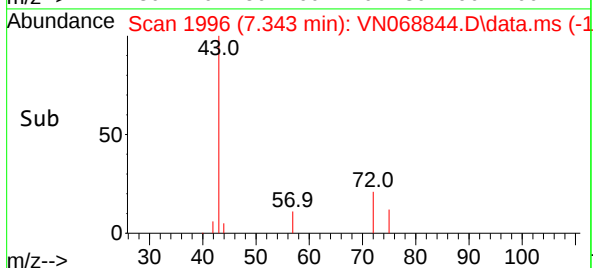
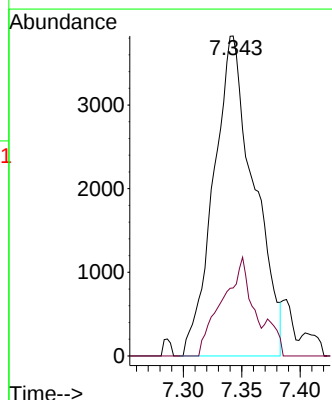
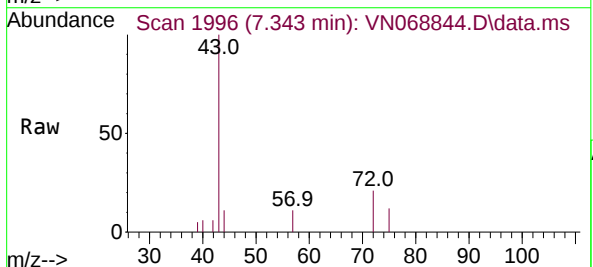
Instrument :
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GROWS-2

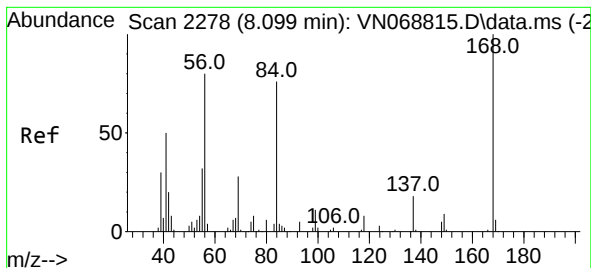
Tgt Ion: 96 Resp: 60
Ion Ratio Lower Upper
96 100
61 0.0 123.5 185.3#
98 0.0 48.6 72.8#



#25
2-Butanone
Concen: 3.142 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.008 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

Tgt Ion: 43 Resp: 9175
Ion Ratio Lower Upper
43 100
72 21.2 19.7 29.5

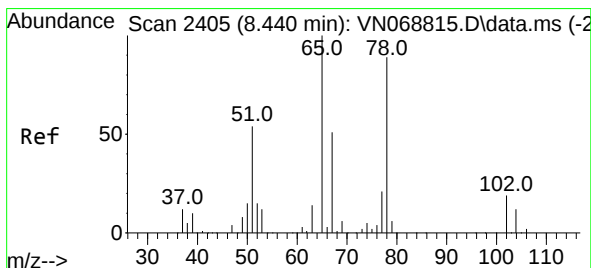
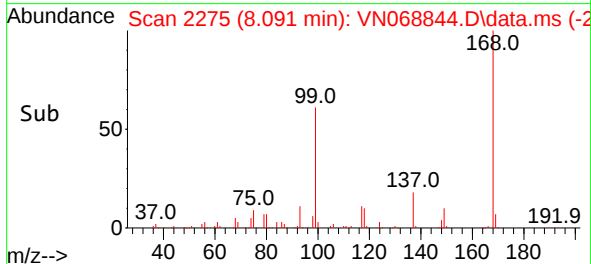
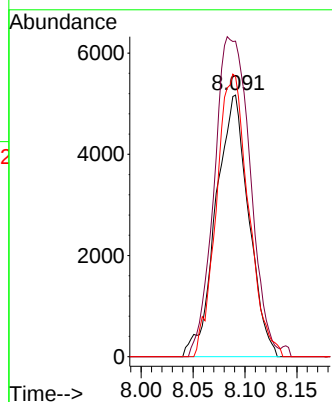
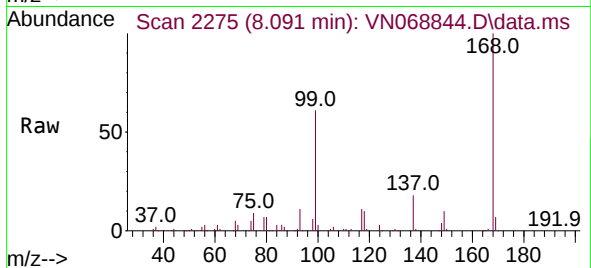




#31
Cyclohexane
Concen: Below Cal
RT: 8.091 min Scan# 2275
Delta R.T. -0.008 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

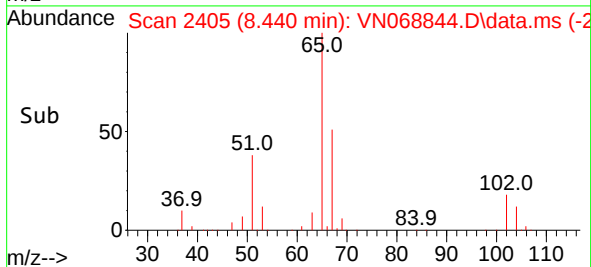
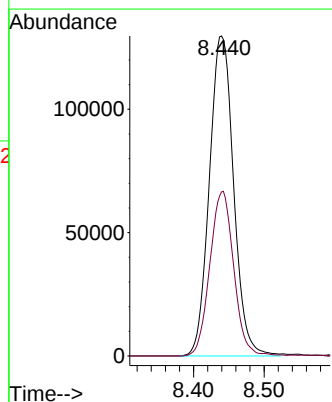
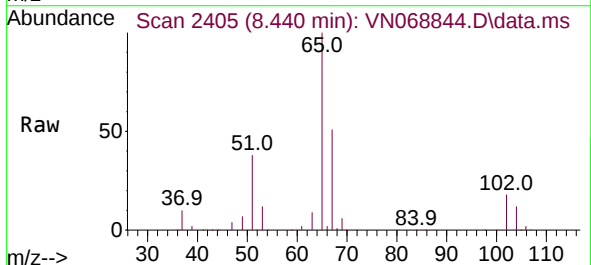
Instrument :
MSVOA_N
ClientSampleId :
GROWS-2

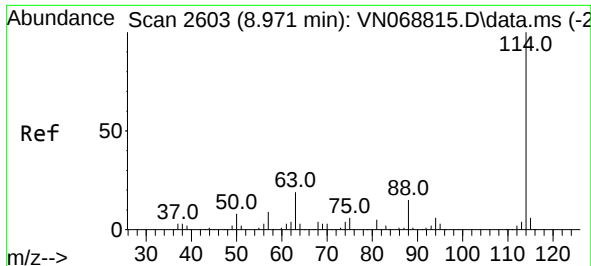
Tgt Ion: 56 Resp: 11353
Ion Ratio Lower Upper
56 100
69 120.6 27.3 40.9#
84 107.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 48.509 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

Tgt Ion: 65 Resp: 310317
Ion Ratio Lower Upper
65 100
67 50.6 0.0 98.6

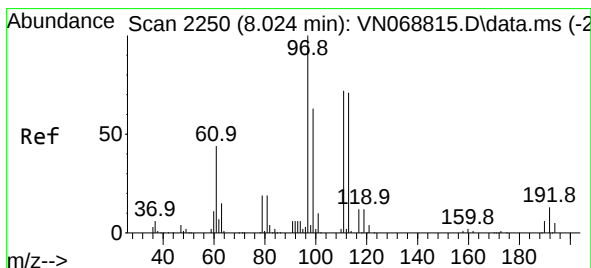
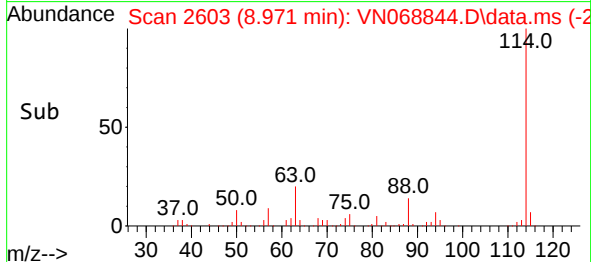
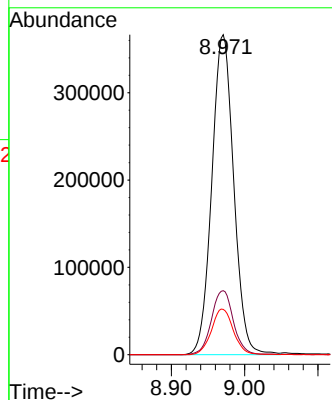
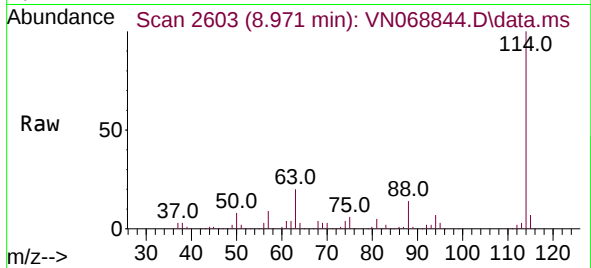




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

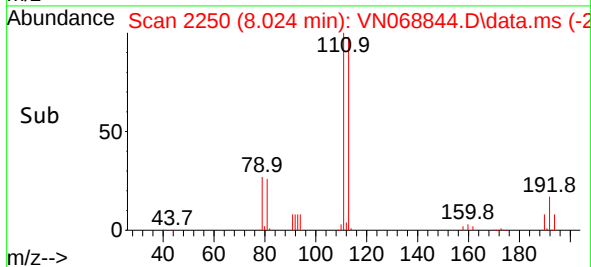
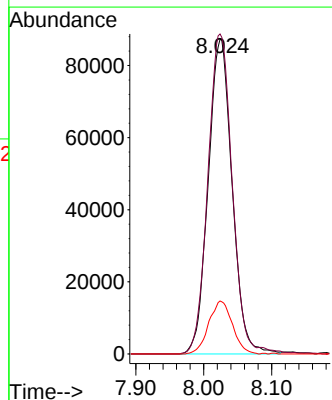
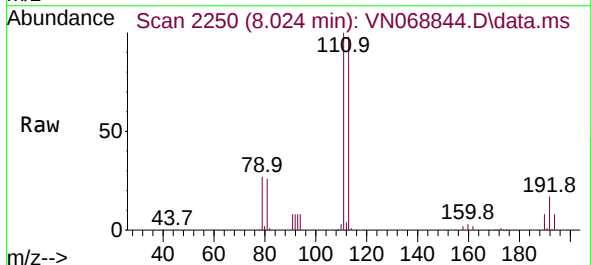
Instrument :
MSVOA_N
ClientSampled :
GROWS-2

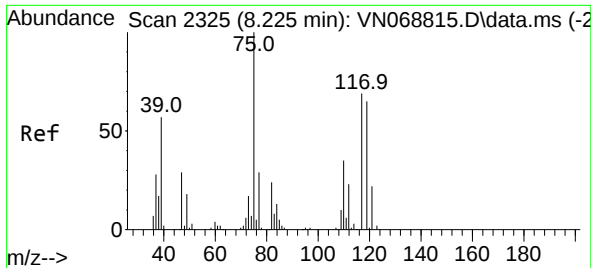
Tgt Ion:114 Resp: 761230
Ion Ratio Lower Upper
114 100
63 20.0 0.0 49.0
88 14.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 42.714 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

Tgt Ion:113 Resp: 213584
Ion Ratio Lower Upper
113 100
111 102.3 83.8 125.8
192 16.7 13.4 20.0

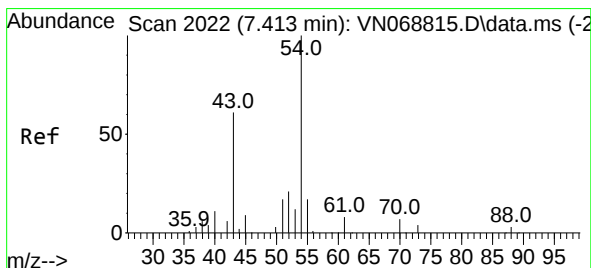
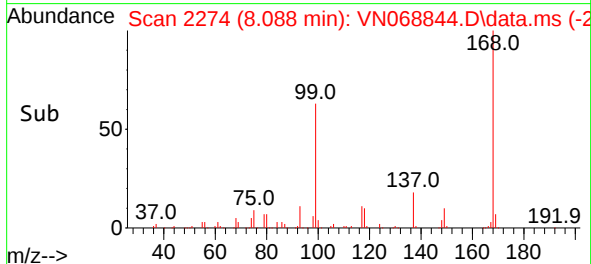
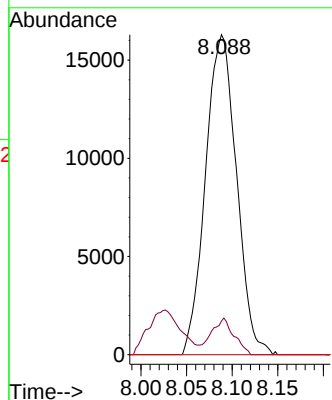
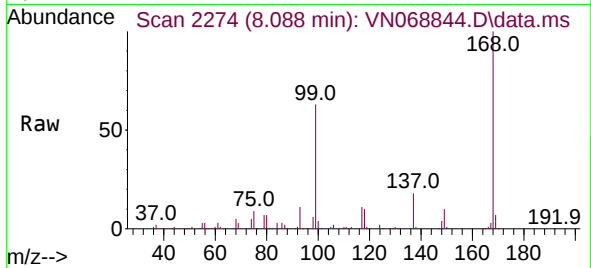




#36
 1,1-Dichloropropene
 Concen: 6.412 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.137 min
 Lab File: VN068844.D
 Acq: 7 Oct 2021 16:22

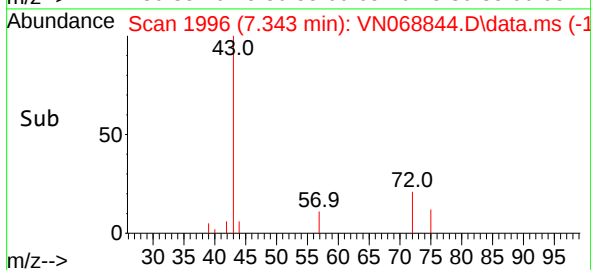
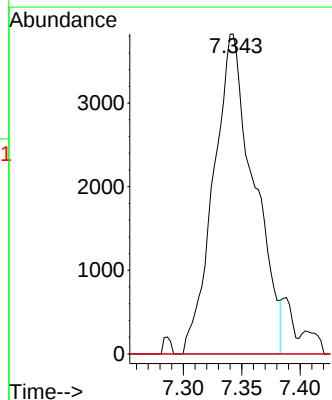
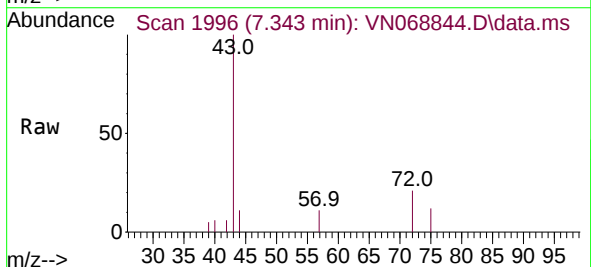
Instrument :
 MSVOA_N
 ClientSampleId :
 GROWS-2

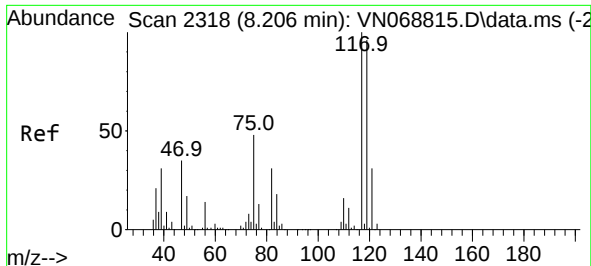
Tgt Ion: 75 Resp: 38584
 Ion Ratio Lower Upper
 75 100
 110 8.4 15.7 47.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 1.597 ug/l
 RT: 7.343 min Scan# 1996
 Delta R.T. -0.070 min
 Lab File: VN068844.D
 Acq: 7 Oct 2021 16:22

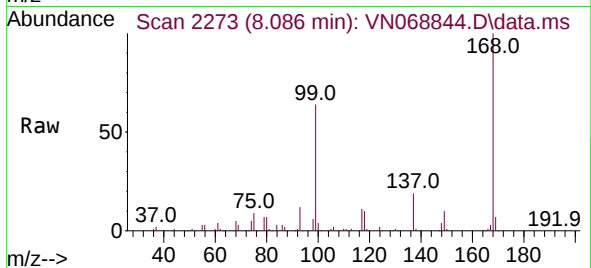
Tgt Ion: 43 Resp: 9175
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 16.0#
 70 0.0 8.1 12.1#



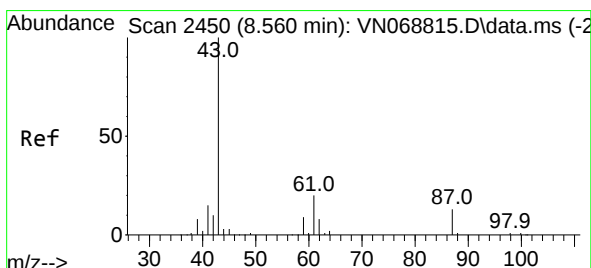
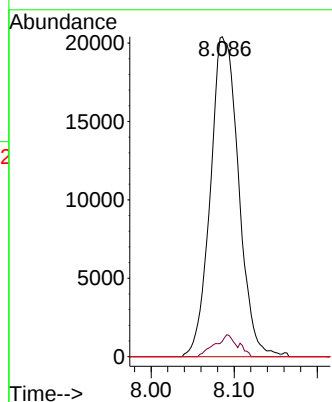
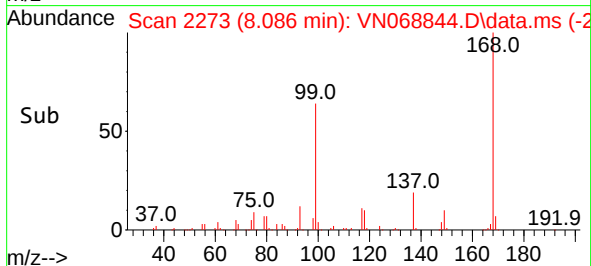


#38
Carbon Tetrachloride
Concen: 6.646 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

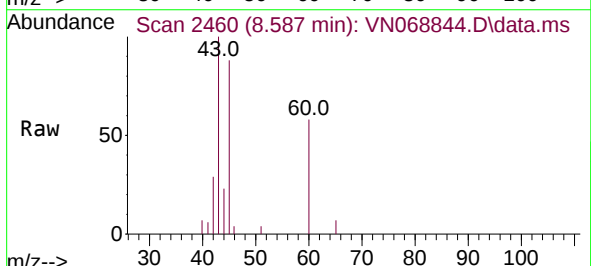
Instrument :
MSVOA_N
ClientSampled :
GROWS-2



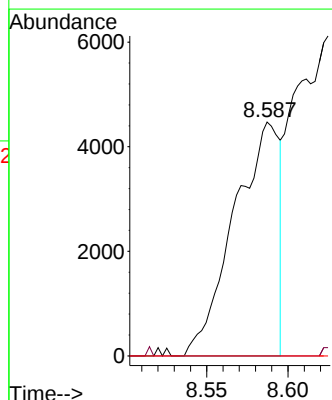
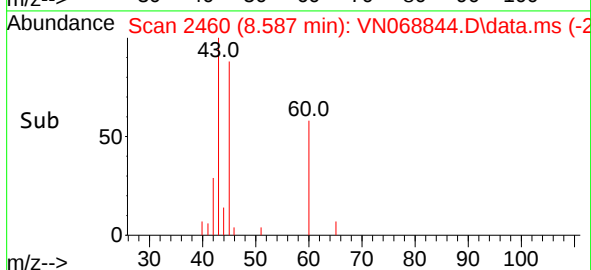
Tgt Ion:117 Resp: 48169
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 23.5 35.3#

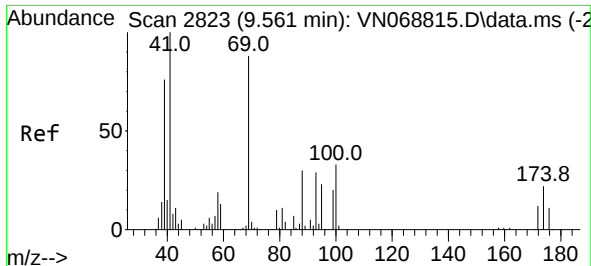


#43
Isopropyl Acetate
Concen: 0.831 ug/l
RT: 8.587 min Scan# 2460
Delta R.T. 0.027 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22



Tgt Ion: 43 Resp: 8679
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

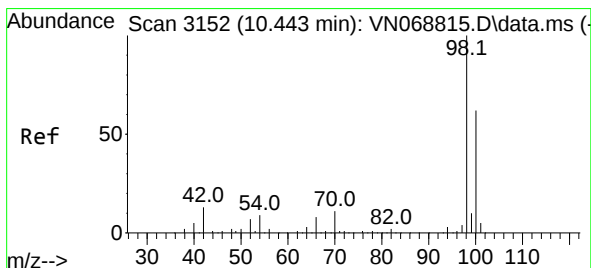
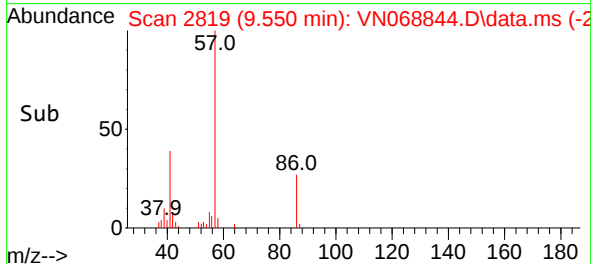
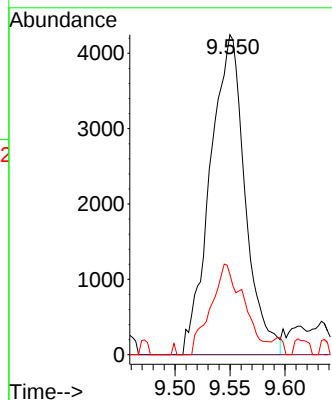
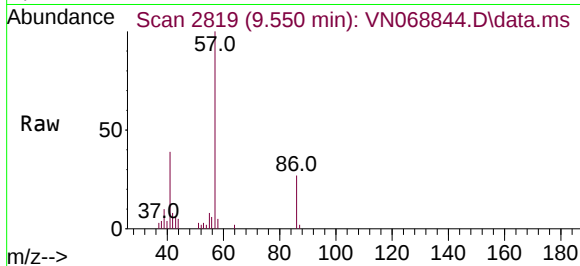




#48
Methyl methacrylate
Concen: 2.099 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

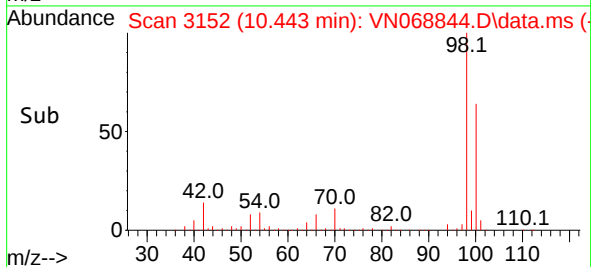
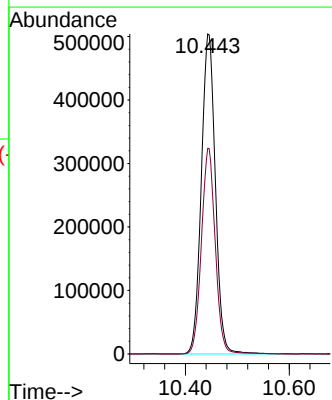
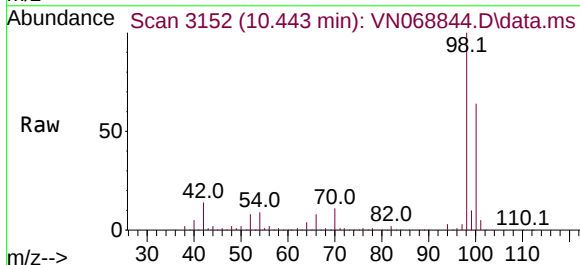
Instrument :
MSVOA_N
ClientSampleId :
GROWS-2

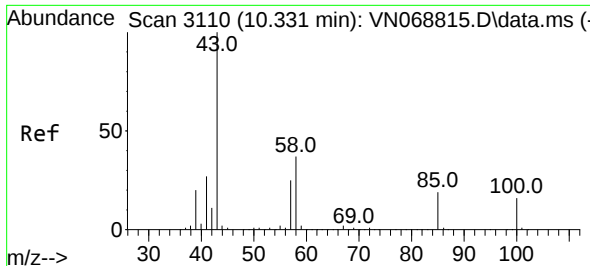
Tgt Ion: 41 Resp: 9363
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 27.3 53.3 79.9#



#50
Toluene-d8
Concen: 48.497 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

Tgt Ion: 98 Resp: 945713
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5

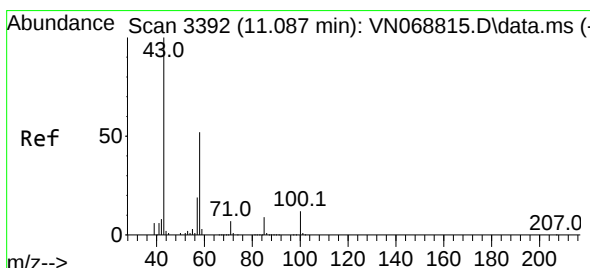
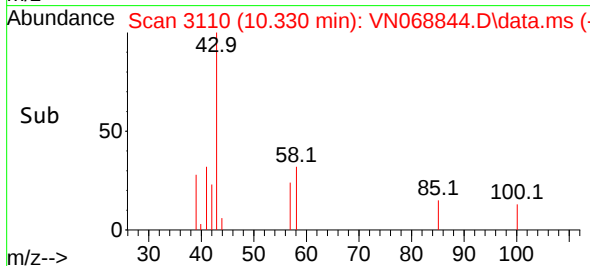
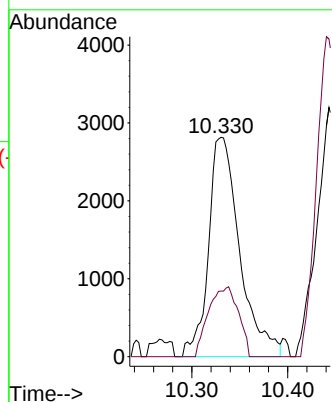
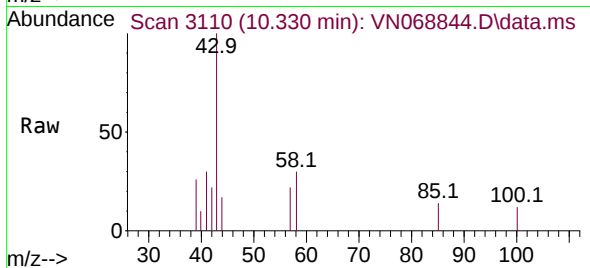




#51
4-Methyl-2-Pentanone
Concen: 0.959 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.001 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

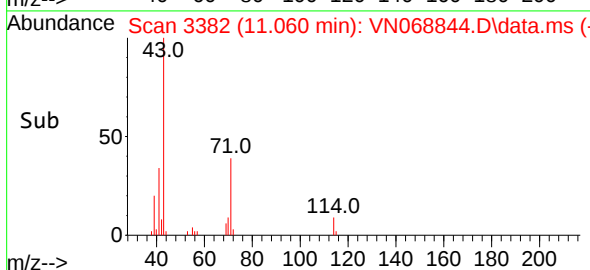
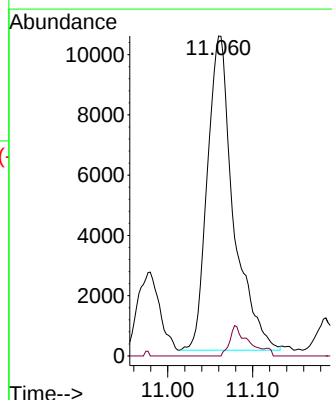
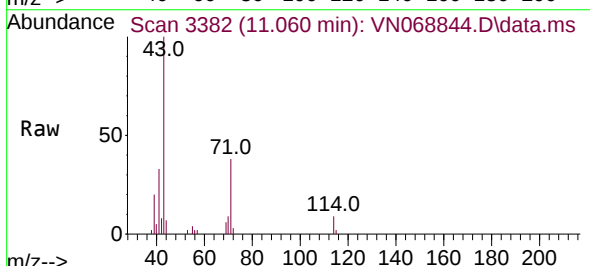
Instrument :
MSVOA_N
ClientSampled :
GROWS-2

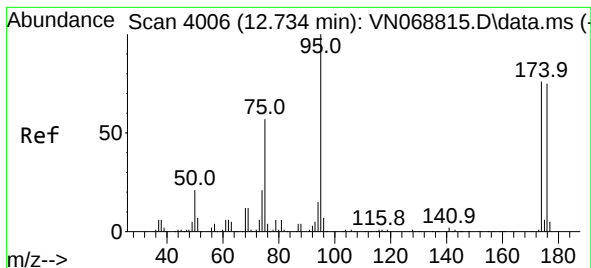
Tgt Ion: 43 Resp: 6380
Ion Ratio Lower Upper
43 100
58 30.3 28.6 43.0



#59
2-Hexanone
Concen: 4.650 ug/l
RT: 11.060 min Scan# 3382
Delta R.T. -0.027 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

Tgt Ion: 43 Resp: 22301
Ion Ratio Lower Upper
43 100
58 6.4 24.7 74.1#

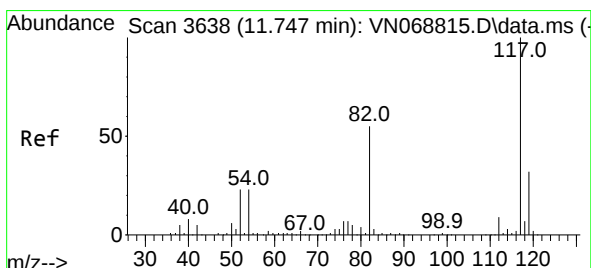
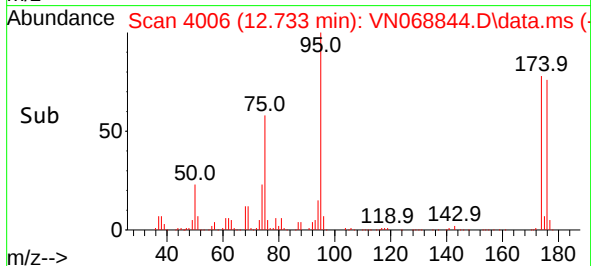
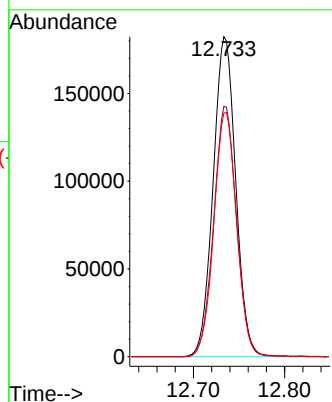
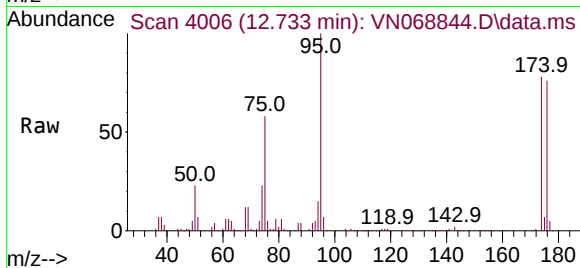




#62
4-Bromofluorobenzene
Concen: 43.271 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

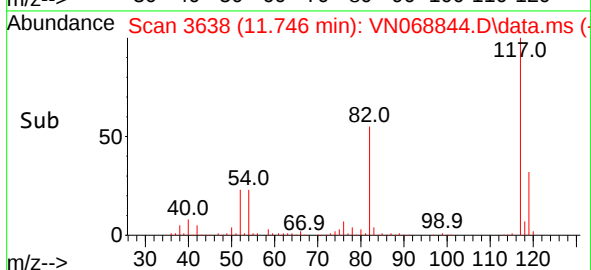
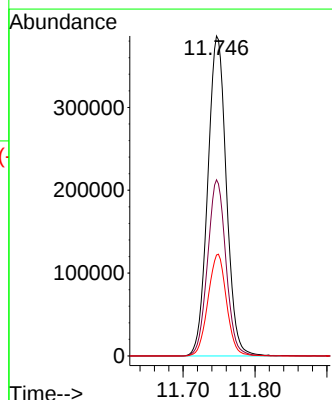
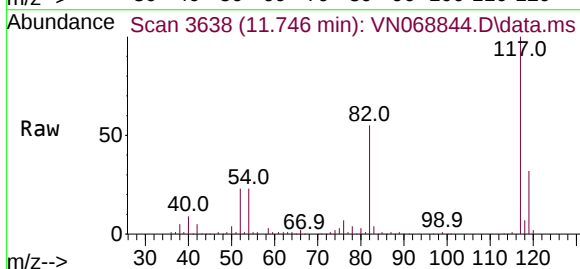
Instrument :
MSVOA_N
ClientSampleId :
GROWS-2

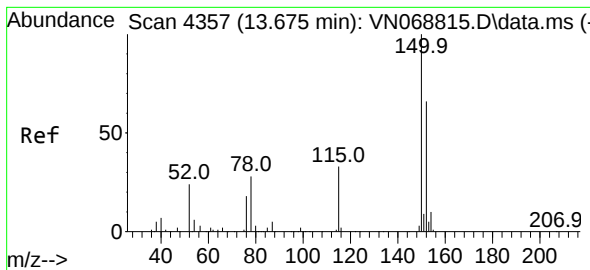
Tgt Ion: 95 Resp: 313679
Ion Ratio Lower Upper
95 100
174 79.4 0.0 122.0
176 77.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068844.D
Acq: 7 Oct 2021 16:22

Tgt Ion: 117 Resp: 695083
Ion Ratio Lower Upper
117 100
82 55.1 53.1 79.7
119 31.5 25.5 38.3

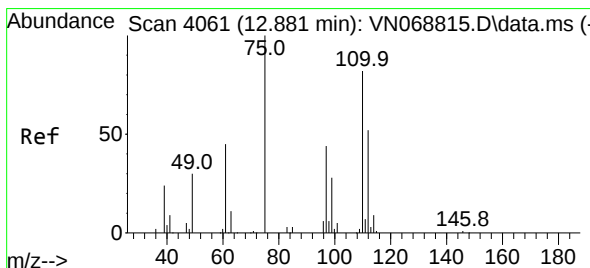
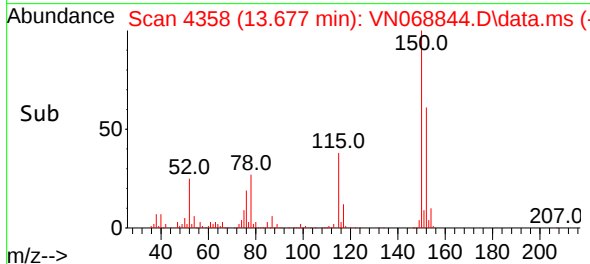
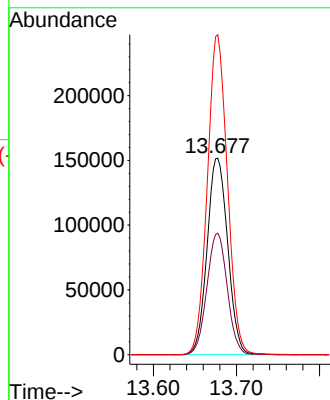
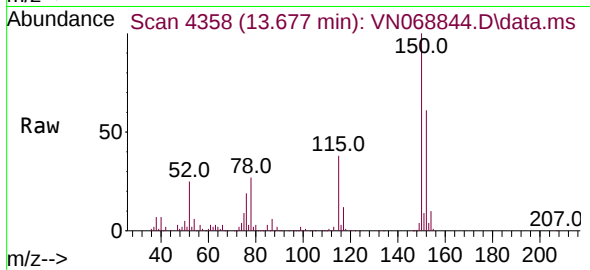




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.002 min
 Lab File: VN068844.D
 Acq: 7 Oct 2021 16:22

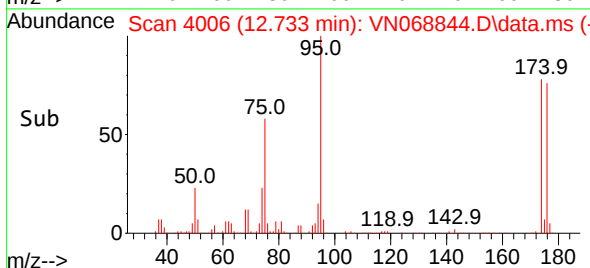
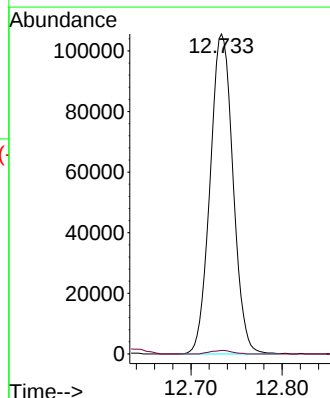
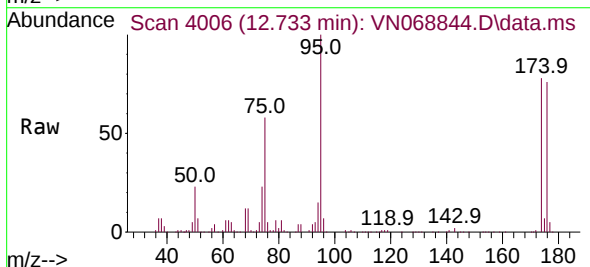
Instrument :
 MSVOA_N
 ClientSampled :
 GROWS-2

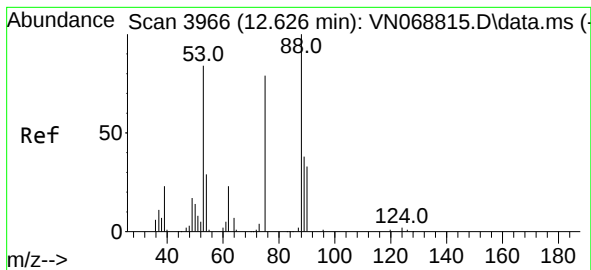
Tgt Ion:152 Resp: 261785
 Ion Ratio Lower Upper
 152 100
 115 61.0 36.1 108.5
 150 157.9 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 35.742 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN068844.D
 Acq: 7 Oct 2021 16:22

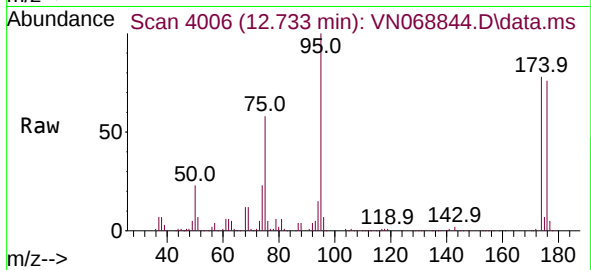
Tgt Ion: 75 Resp: 184446
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.545 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN068844.D
 Acq: 7 Oct 2021 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 GROWS-2



Tgt Ion: 75 Resp: 184446

Ion	Ratio	Lower	Upper
75	100		
53	0.1	87.6	131.4#
89	0.0	37.8	56.8#

