

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100721\
 Data File : VN068845.D
 Acq On : 7 Oct 2021 16:48
 Operator : JC/MD
 Sample : M4111-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GROWS-3

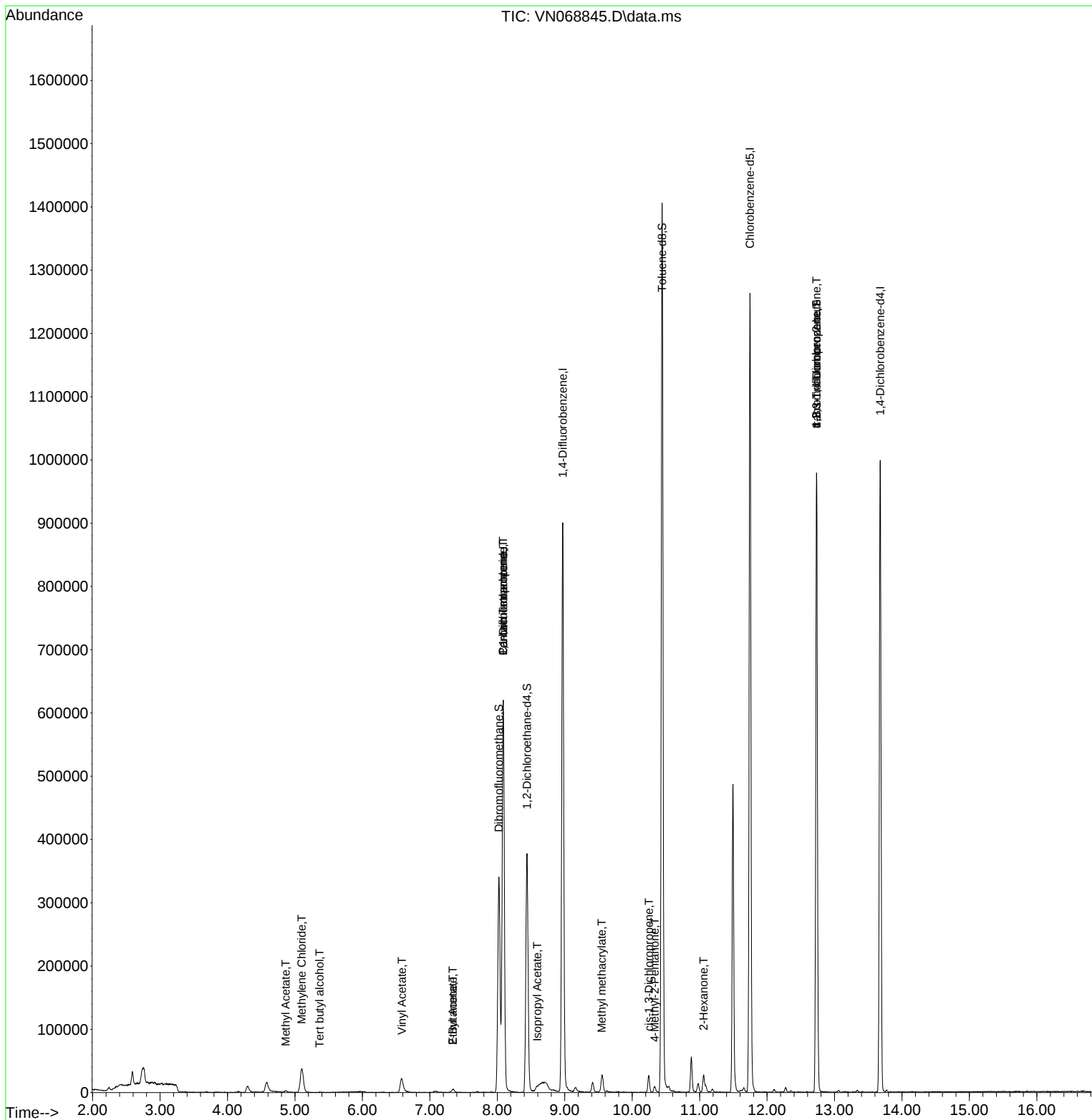
Quant Time: Oct 08 06:00:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 14:41:09 2021
 Response via : Initial Calibration

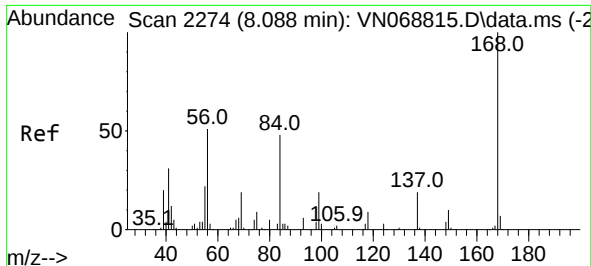
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	447204	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	774255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	707172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	258487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	318808	48.510	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.020%
35) Dibromofluoromethane	8.024	113	239605	47.111	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.220%
50) Toluene-d8	10.443	98	976305	49.224	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.734	95	305392	41.627	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	83.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	805	Below Cal	#	74
4) Vinyl Chloride	2.432	62	79	Below Cal	#	44
6) Chloroethane	3.011	64	507	Below Cal	#	65
11) Tert butyl alcohol	5.366	59	449	0.575	ug/l #	71
16) Acetone	4.291	43	8207	Below Cal		97
18) Methyl Acetate	4.865	43	4273	0.658	ug/l #	65
20) Methylene Chloride	5.101	84	29622	4.083	ug/l	90
23) Vinyl Acetate	6.587	43	4725	0.433	ug/l #	75
25) 2-Butanone	7.340	43	6934	2.311	ug/l #	86
31) Cyclohexane	8.086	56	12251	Below Cal	#	29
36) 1,1-Dichloropropene	8.088	75	39700	6.486	ug/l #	52
37) Ethyl Acetate	7.340	43	6934	1.186	ug/l #	69
38) Carbon Tetrachloride	8.088	117	47921	6.501	ug/l #	18
43) Isopropyl Acetate	8.595	43	7873	0.741	ug/l #	58
48) Methyl methacrylate	9.547	41	9719	2.142	ug/l #	25
51) 4-Methyl-2-Pentanone	10.336	43	7682	1.136	ug/l	89
54) cis-1,3-Dichloropropene	10.247	75	4469	0.549	ug/l #	70
59) 2-Hexanone	11.060	43	22618	4.637	ug/l #	28
76) 1,2,3-Trichloropropane	12.734	75	180809	35.485	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	180809	102.799	ug/l #	6

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

Quant Time: Oct 08 06:00:20 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

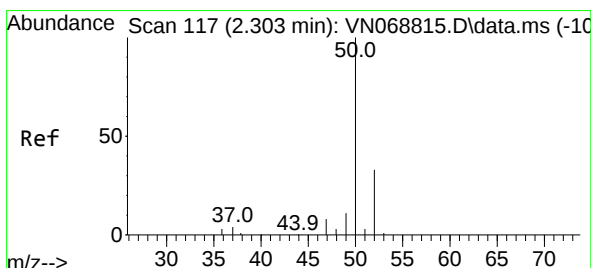
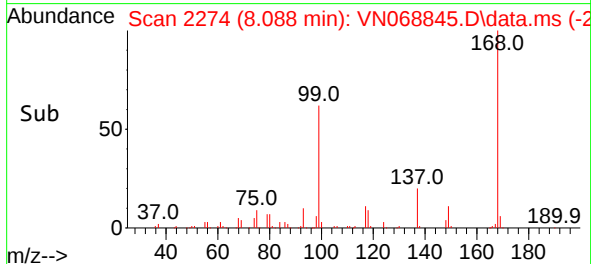
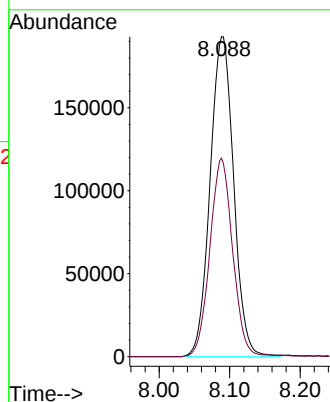
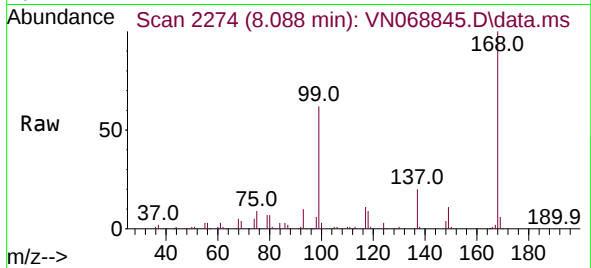




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

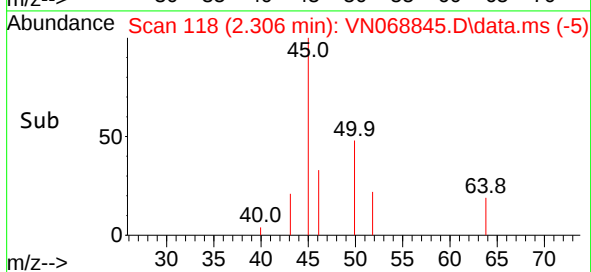
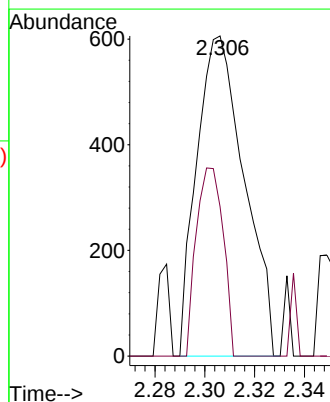
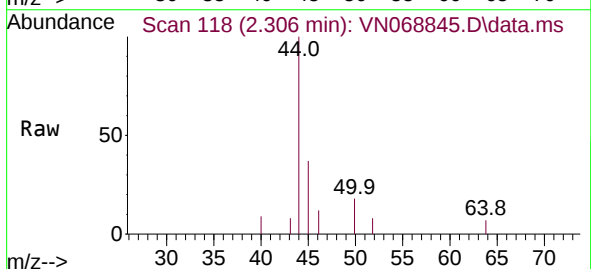
Instrument :
MSVOA_N
ClientSampleId :
GROWS-3

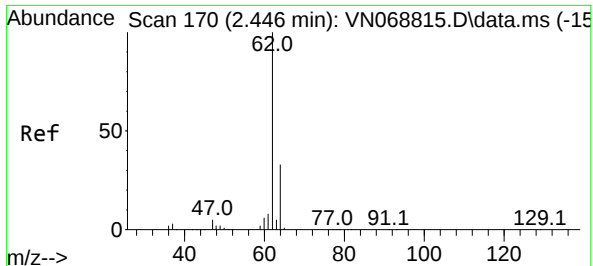
Tgt Ion:168 Resp: 447204
Ion Ratio Lower Upper
168 100
99 62.1 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

Tgt Ion: 50 Resp: 805
Ion Ratio Lower Upper
50 100
52 46.7 25.6 38.4#

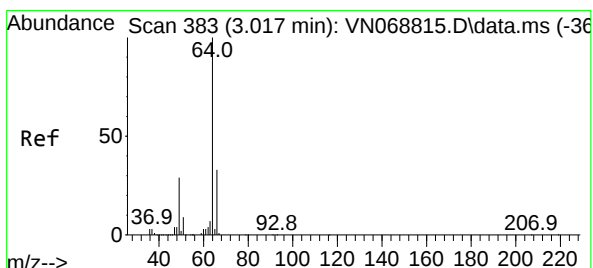
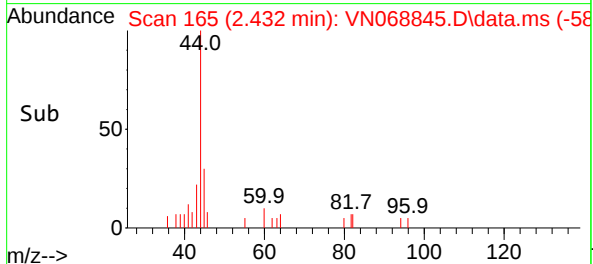
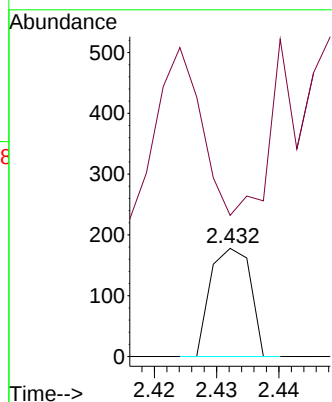
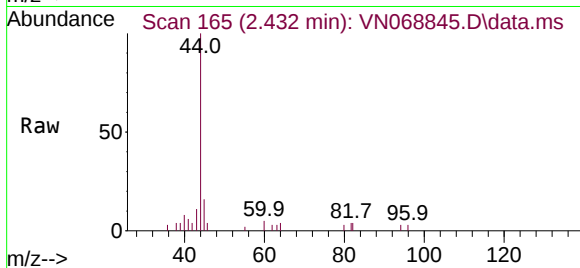




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.432 min Scan# 165
 Delta R.T. -0.014 min
 Lab File: VN068845.D
 Acq: 7 Oct 2021 16:48

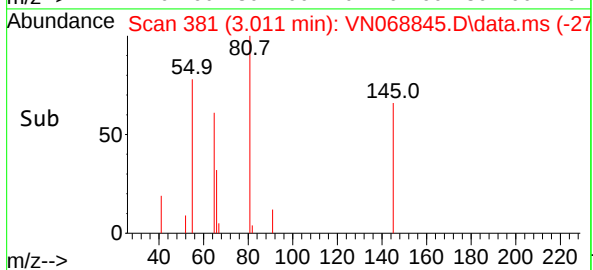
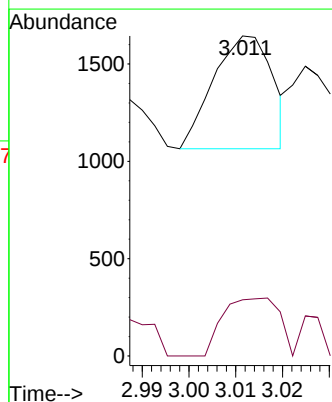
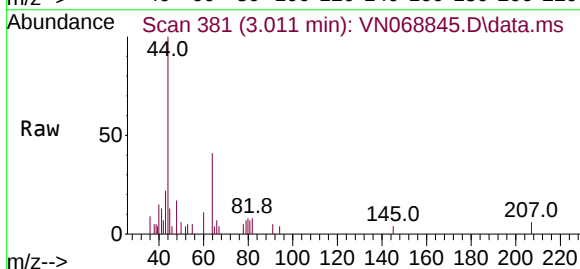
Instrument :
 MSVOA_N
 ClientSampled :
 GROWS-3

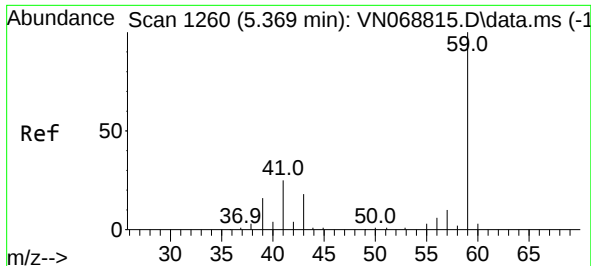
Tgt Ion: 62 Resp: 79
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.4 36.6#



#6
 Chloroethane
 Concen: Below Cal
 RT: 3.011 min Scan# 381
 Delta R.T. -0.006 min
 Lab File: VN068845.D
 Acq: 7 Oct 2021 16:48

Tgt Ion: 64 Resp: 507
 Ion Ratio Lower Upper
 64 100
 66 49.9 24.7 37.1#

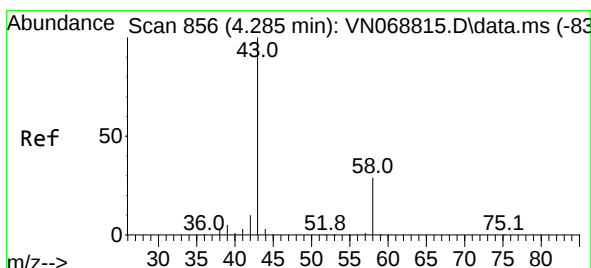
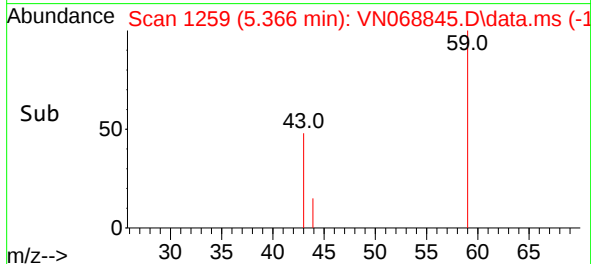
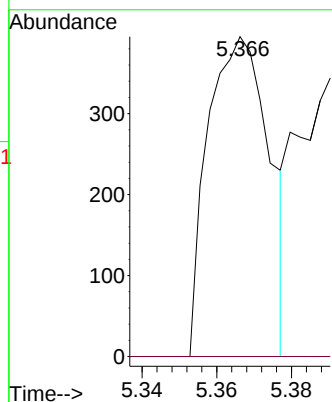
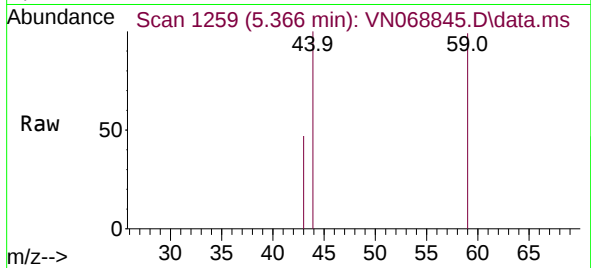




#11
Tert butyl alcohol
Concen: 0.575 ug/l
RT: 5.366 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

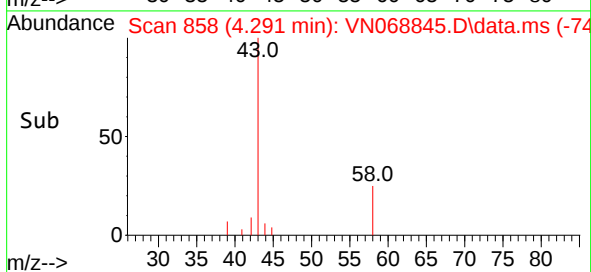
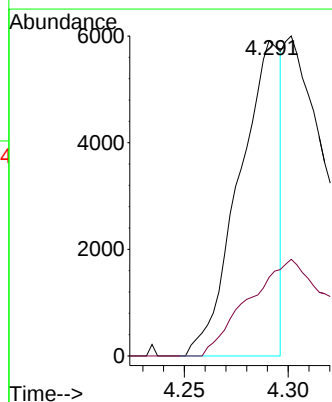
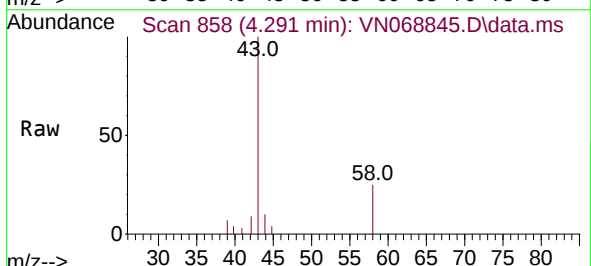
Instrument :
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ClientSampled :
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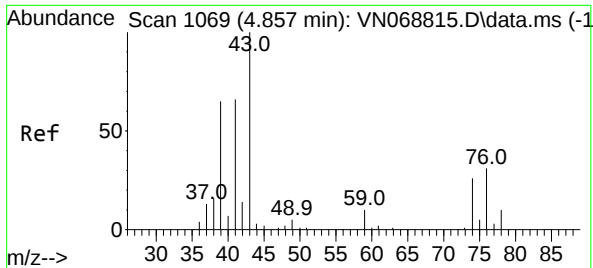
Tgt Ion: 59 Resp: 449
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: Below Cal
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

Tgt Ion: 43 Resp: 8207
Ion Ratio Lower Upper
43 100
58 24.9 21.2 31.8

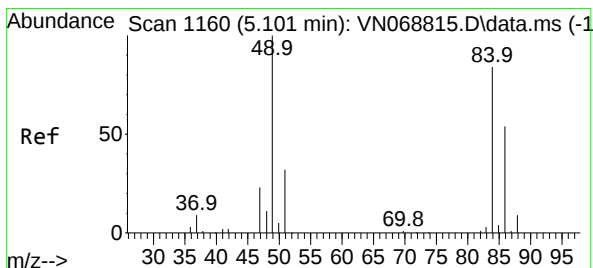
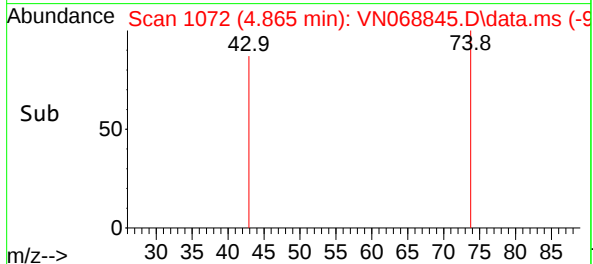
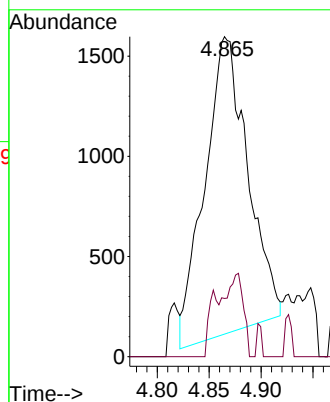
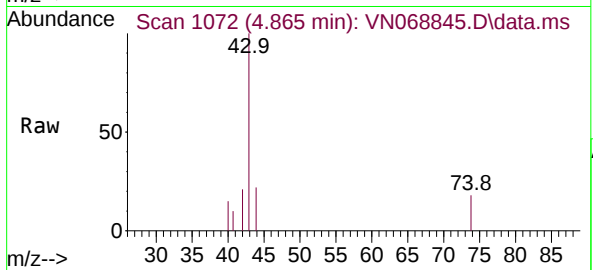




#18
Methyl Acetate
Concen: 0.658 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

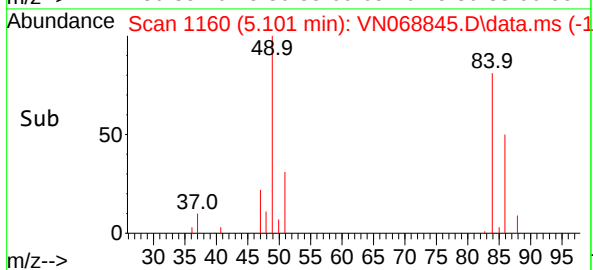
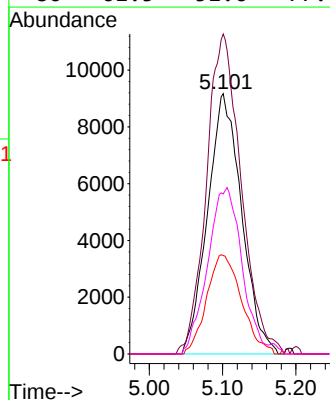
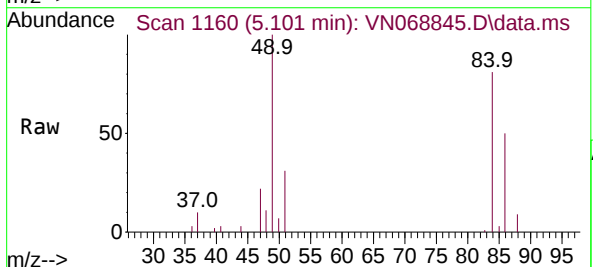
Instrument :
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ClientSampled :
GROWS-3

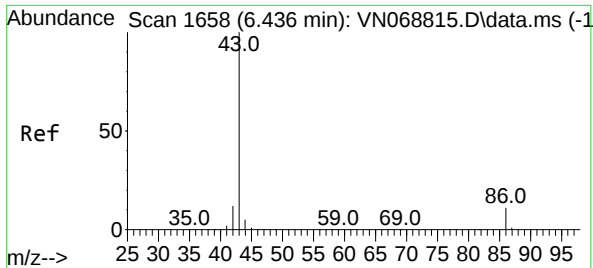
Tgt Ion: 43 Resp: 4273
Ion Ratio Lower Upper
43 100
74 5.0 17.4 26.0#



#20
Methylene Chloride
Concen: 4.083 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. -0.000 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

Tgt Ion: 84 Resp: 29622
Ion Ratio Lower Upper
84 100
49 120.2 110.9 166.3
51 37.8 32.6 49.0
86 61.5 51.6 77.4

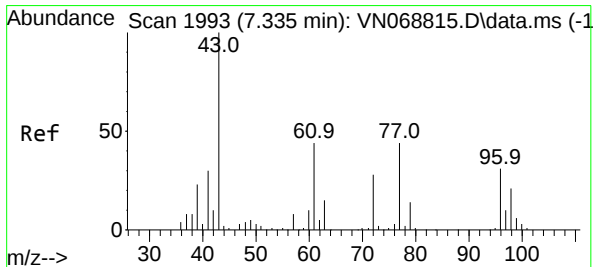
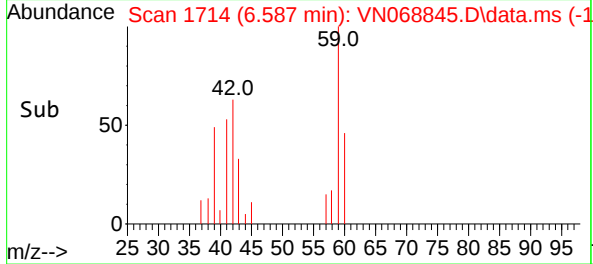
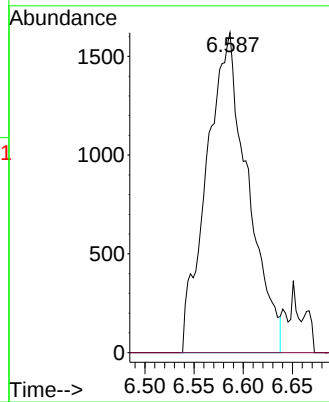
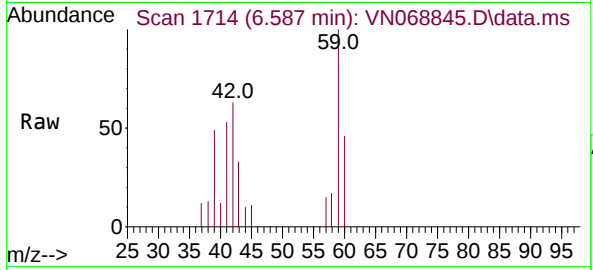




#23
 Vinyl Acetate
 Concen: 0.433 ug/l
 RT: 6.587 min Scan# 1714
 Delta R.T. 0.151 min
 Lab File: VN068845.D
 Acq: 7 Oct 2021 16:48

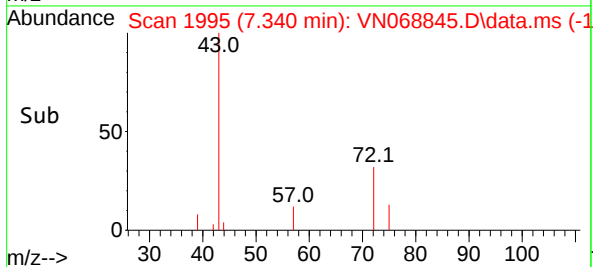
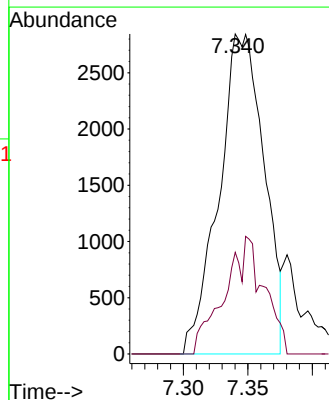
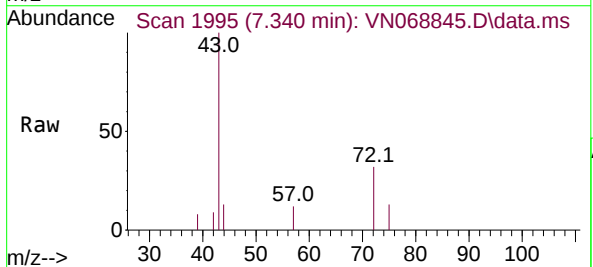
Instrument :
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 ClientSampled :
 GROWS-3

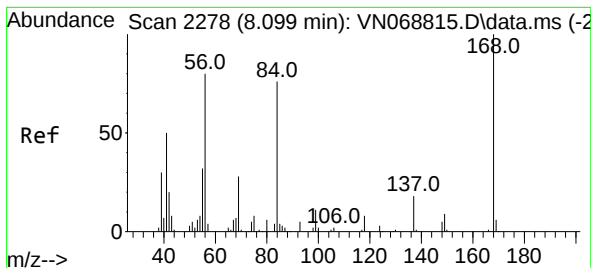
Tgt Ion: 43 Resp: 4725
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.3 10.9#



#25
 2-Butanone
 Concen: 2.311 ug/l
 RT: 7.340 min Scan# 1995
 Delta R.T. 0.005 min
 Lab File: VN068845.D
 Acq: 7 Oct 2021 16:48

Tgt Ion: 43 Resp: 6934
 Ion Ratio Lower Upper
 43 100
 72 31.8 19.7 29.5#

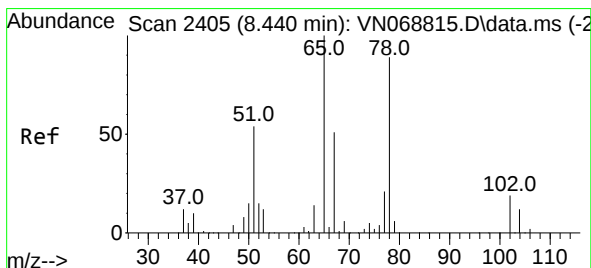
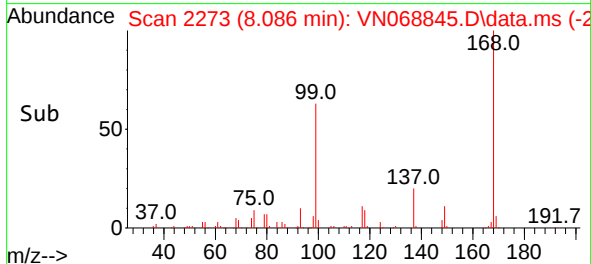
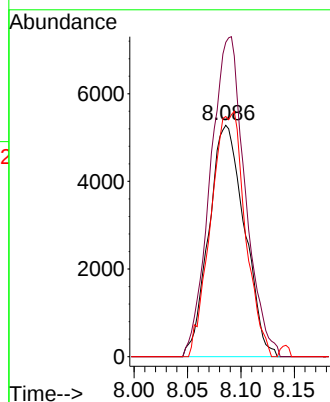
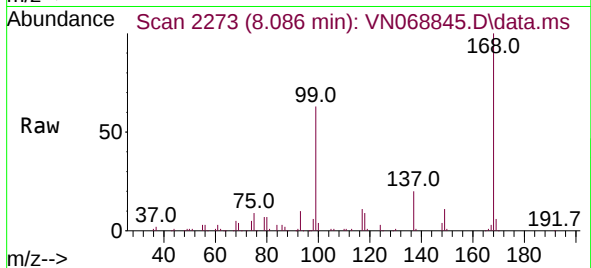




#31
Cyclohexane
Concen: Below Cal
RT: 8.086 min Scan# 2273
Delta R.T. -0.013 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

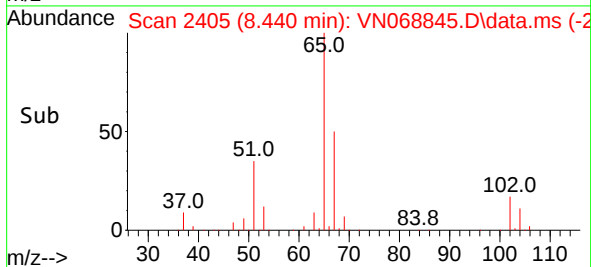
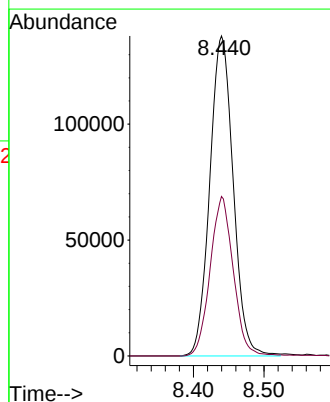
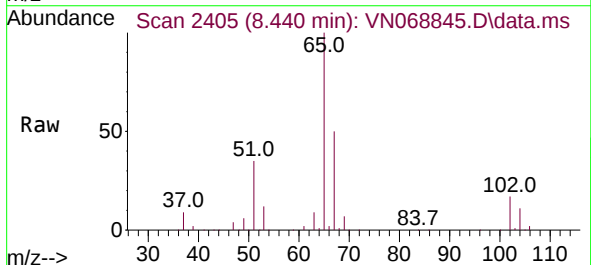
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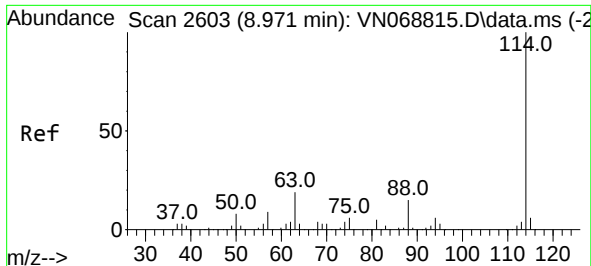
Tgt Ion: 56 Resp: 12251
Ion Ratio Lower Upper
56 100
69 135.9 27.3 40.9#
84 103.8 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 48.510 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

Tgt Ion: 65 Resp: 318808
Ion Ratio Lower Upper
65 100
67 49.1 0.0 98.6

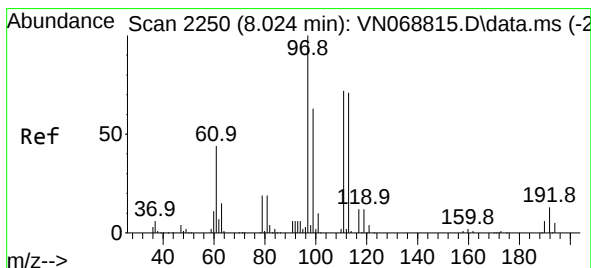
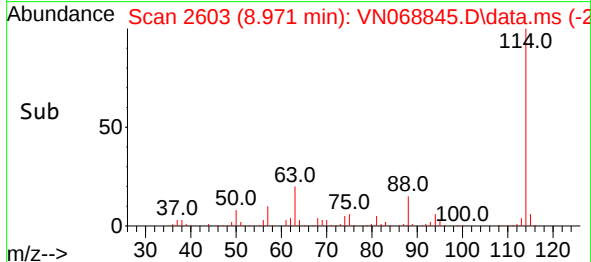
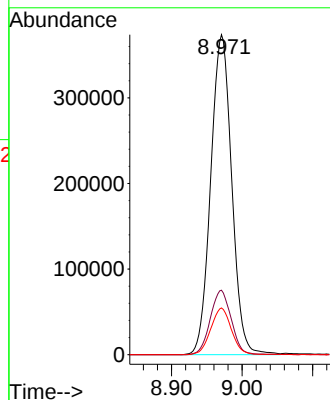
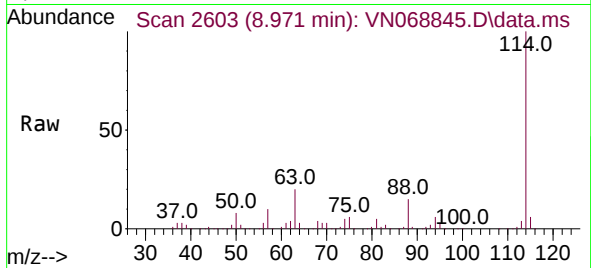




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

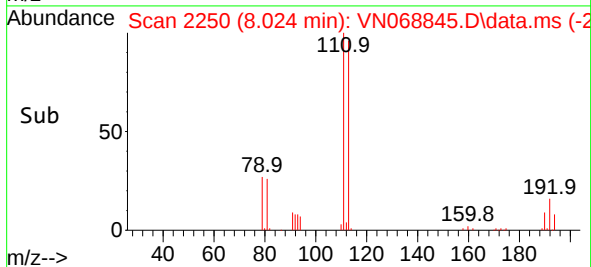
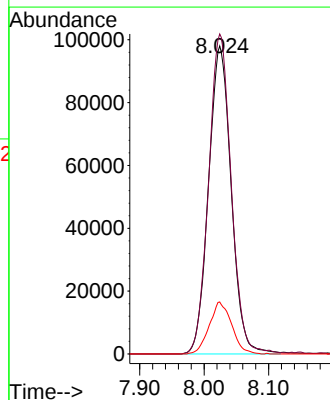
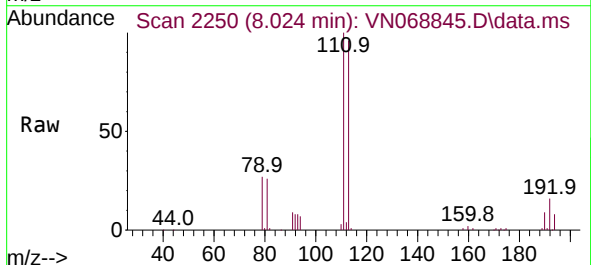
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MSVOA_N
ClientSampleId :
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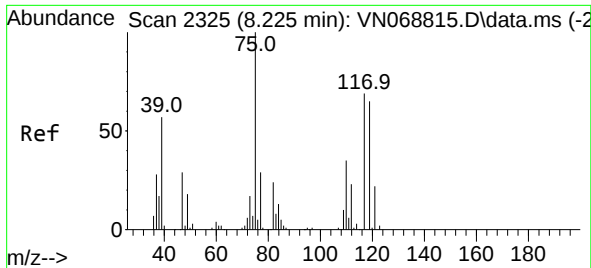
Tgt Ion:114 Resp: 774255
Ion Ratio Lower Upper
114 100
63 20.2 0.0 49.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.111 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

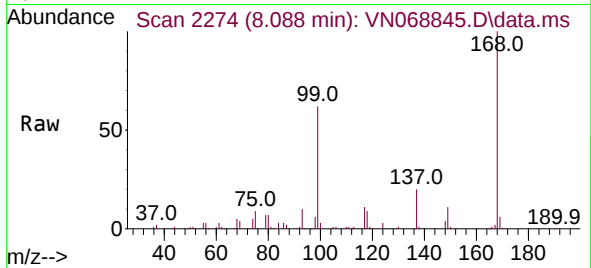
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Ion Ratio Lower Upper
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111 103.0 83.8 125.8
192 16.7 13.4 20.0



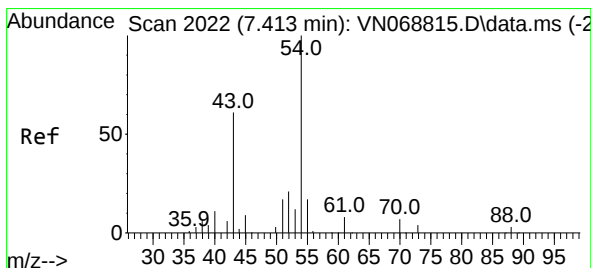
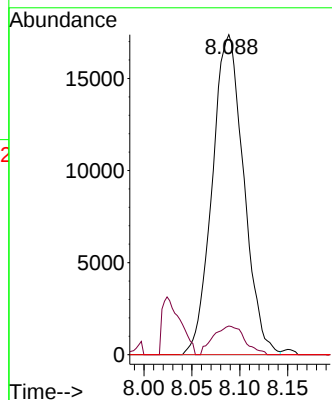
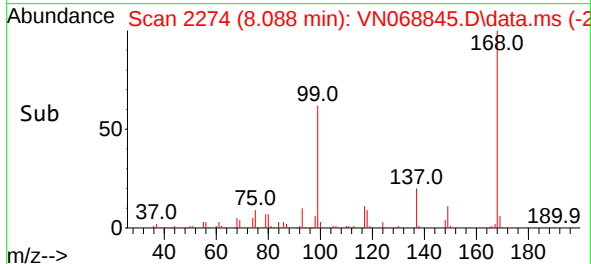


#36
1,1-Dichloropropene
Concen: 6.486 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

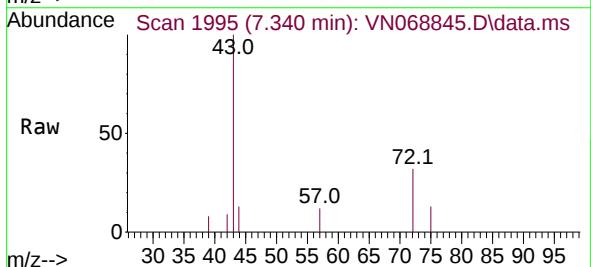
Instrument :
MSVOA_N
ClientSampled :
GROWS-3



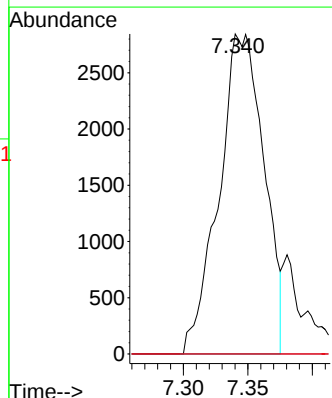
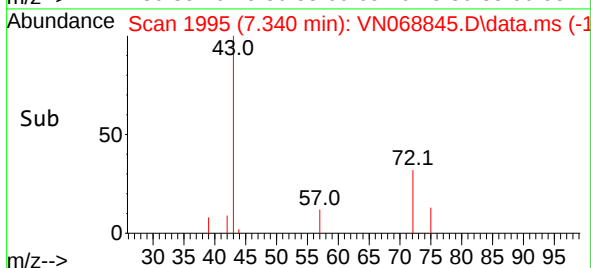
Tgt Ion: 75 Resp: 39700
Ion Ratio Lower Upper
75 100
110 8.9 15.7 47.0#
77 0.0 24.6 37.0#

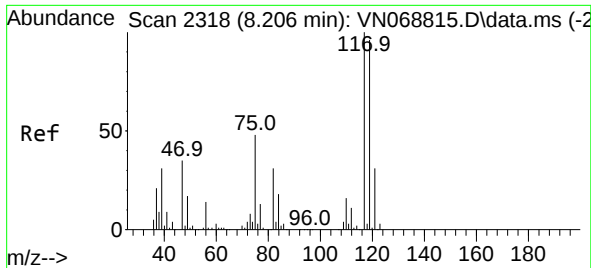


#37
Ethyl Acetate
Concen: 1.186 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.073 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48



Tgt Ion: 43 Resp: 6934
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#

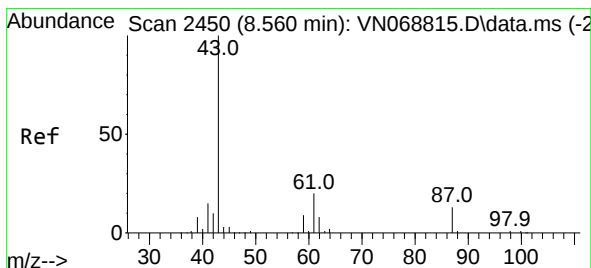
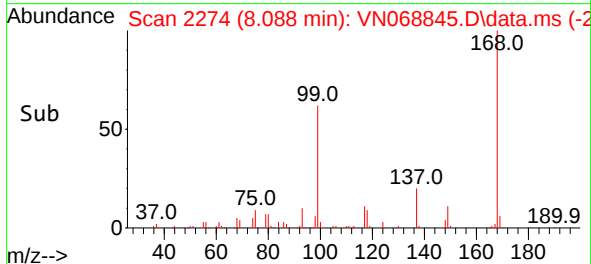
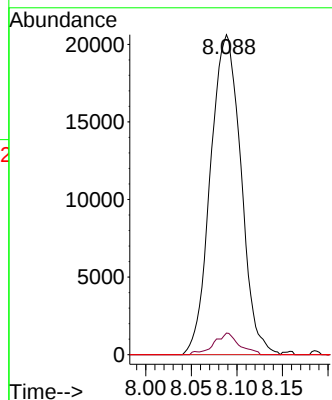
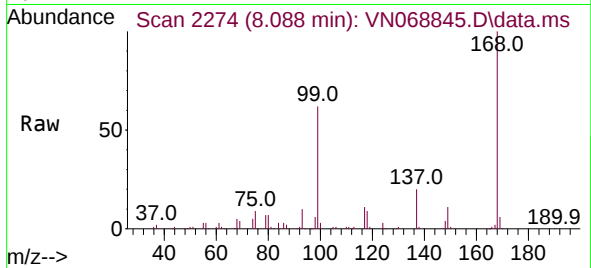




#38
Carbon Tetrachloride
Concen: 6.501 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

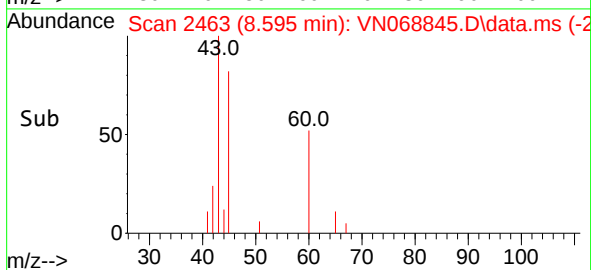
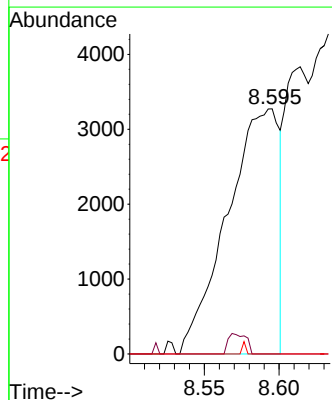
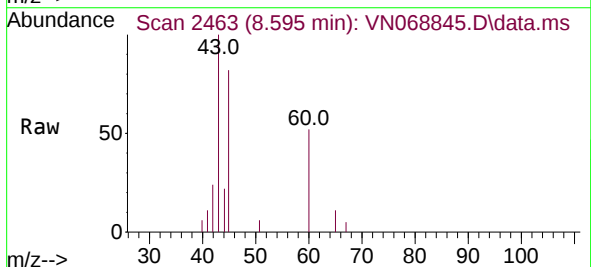
Instrument :
MSVOA_N
ClientSampled :
GROWS-3

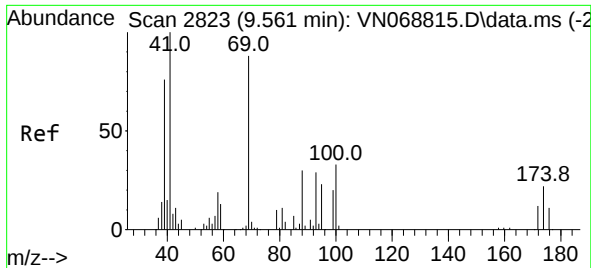
Tgt Ion:117 Resp: 47921
Ion Ratio Lower Upper
117 100
119 6.7 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.741 ug/l
RT: 8.595 min Scan# 2463
Delta R.T. 0.035 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

Tgt Ion: 43 Resp: 7873
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.3 9.5 14.3#

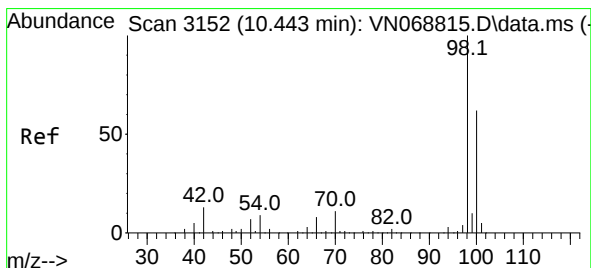
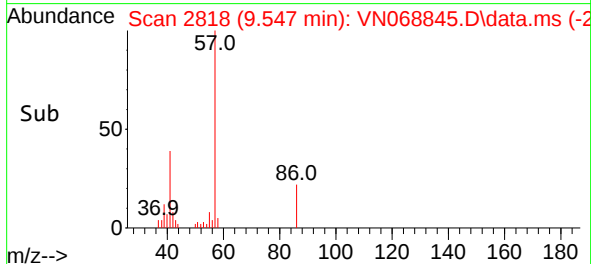
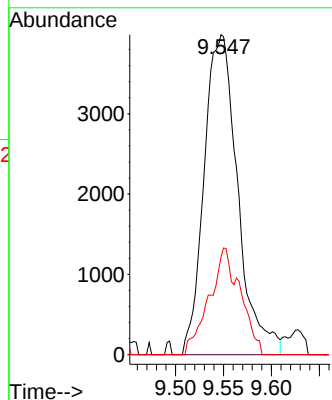
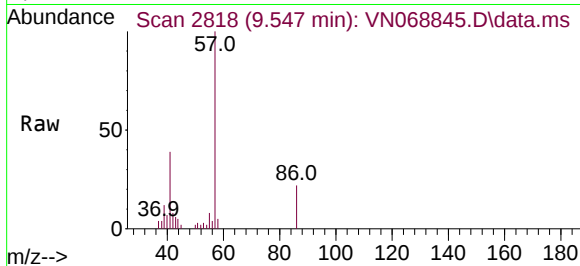




#48
Methyl methacrylate
Concen: 2.142 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

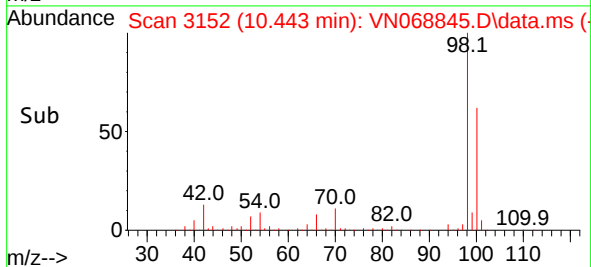
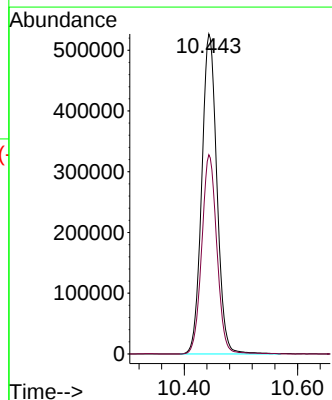
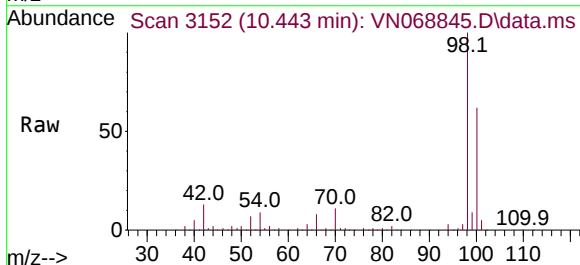
Instrument :
MSVOA_N
ClientSampleId :
GROWS-3

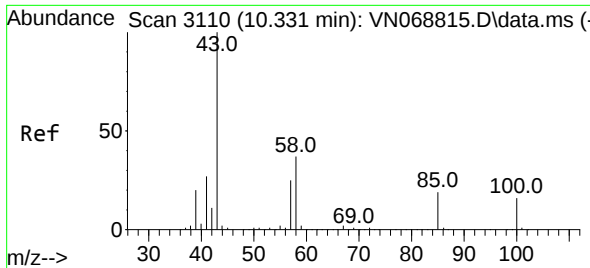
Tgt Ion: 41 Resp: 9719
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 22.5 53.3 79.9#



#50
Toluene-d8
Concen: 49.224 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

Tgt Ion: 98 Resp: 976305
Ion Ratio Lower Upper
98 100
100 62.2 51.7 77.5

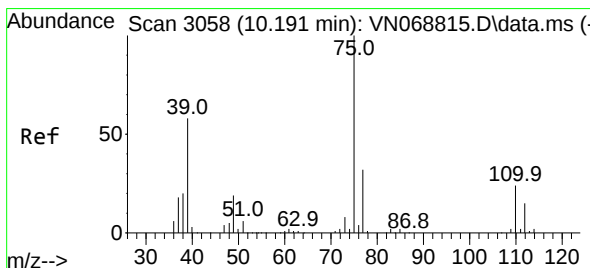
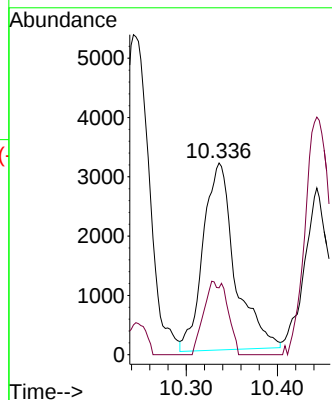
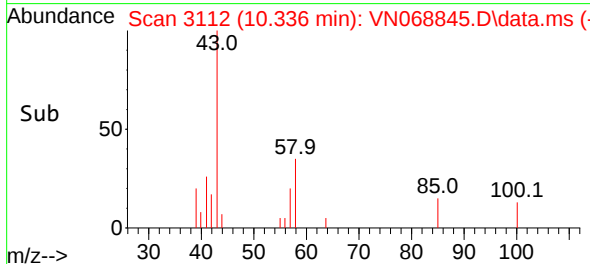
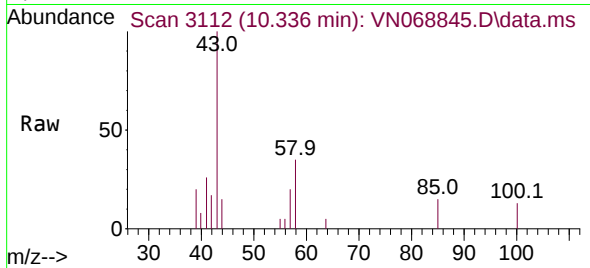




#51
4-Methyl-2-Pentanone
Concen: 1.136 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

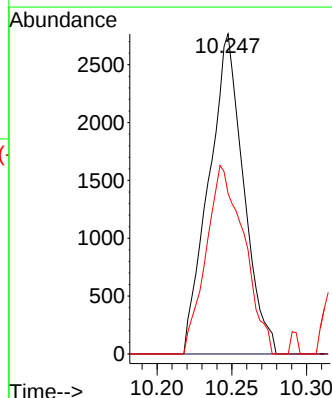
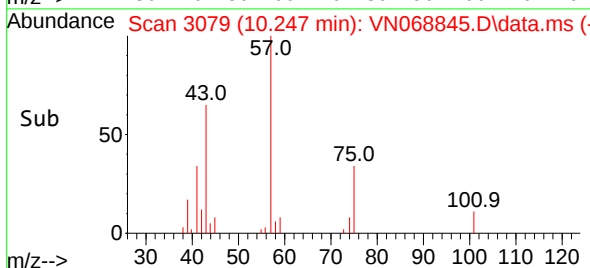
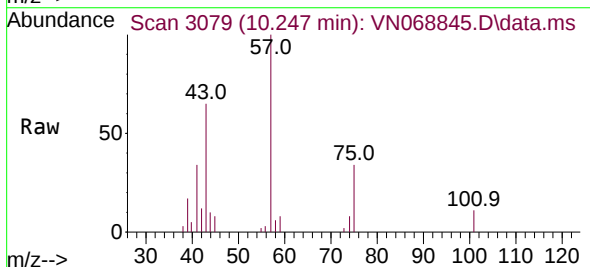
Instrument :
MSVOA_N
ClientSampled :
GROWS-3

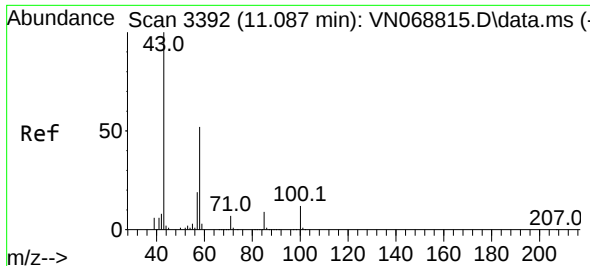
Tgt Ion: 43 Resp: 7682
Ion Ratio Lower Upper
43 100
58 29.4 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 0.549 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

Tgt Ion: 75 Resp: 4469
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 50.2 50.7 76.1#

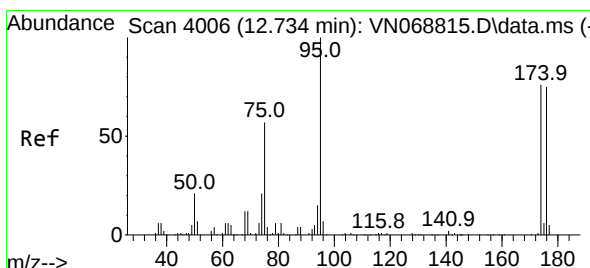
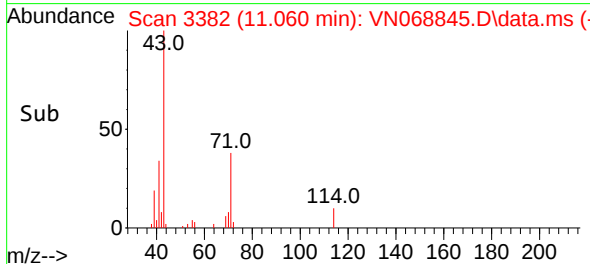
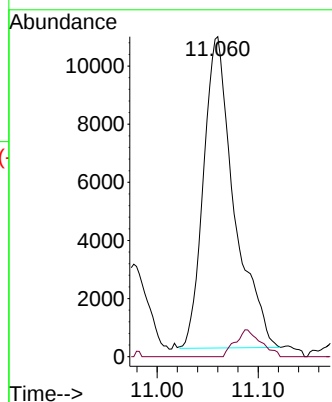
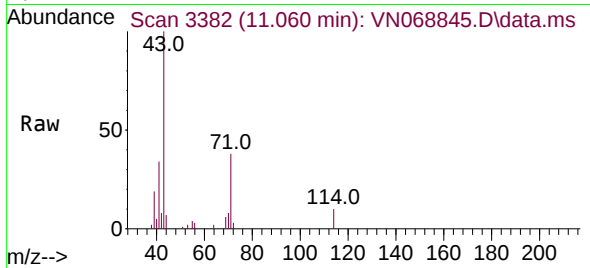




#59
2-Hexanone
Concen: 4.637 ug/l
RT: 11.060 min Scan# 3382
Delta R.T. -0.027 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

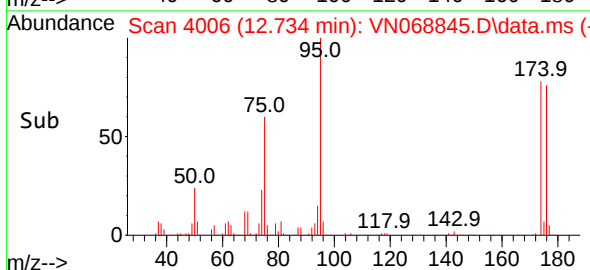
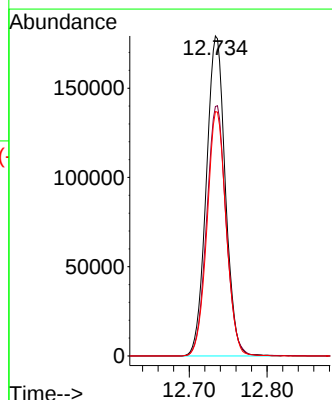
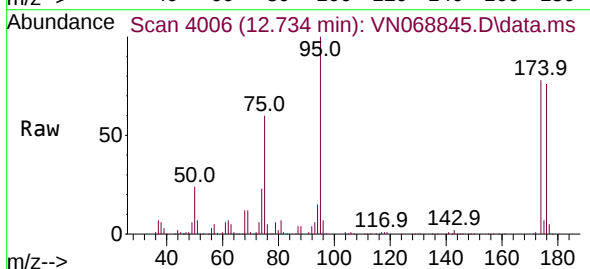
Instrument :
MSVOA_N
ClientSampled :
GROWS-3

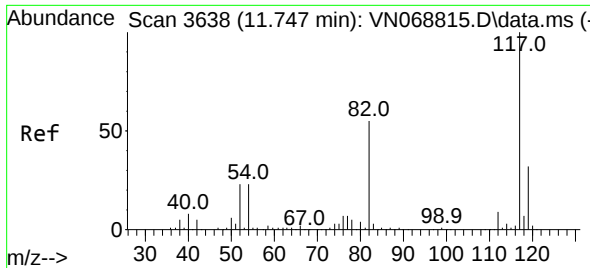
Tgt Ion: 43 Resp: 22618
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 41.627 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

Tgt Ion: 95 Resp: 305392
Ion Ratio Lower Upper
95 100
174 79.6 0.0 122.0
176 76.6 0.0 117.6

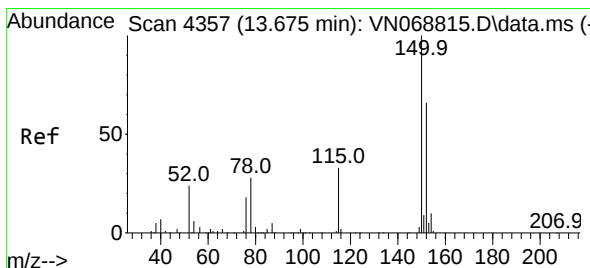
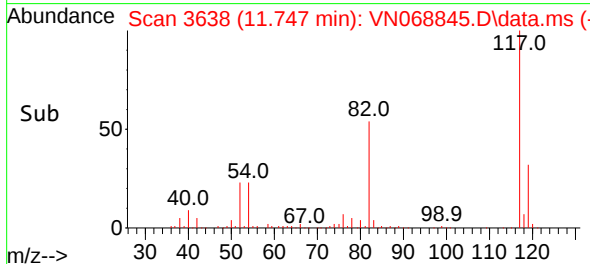
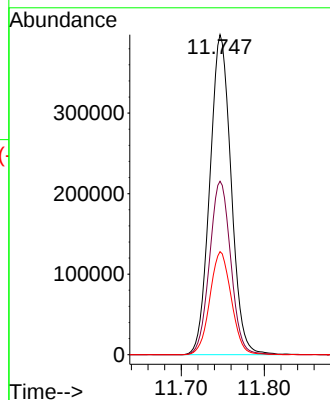
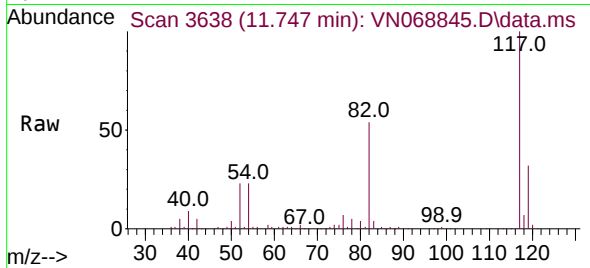




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

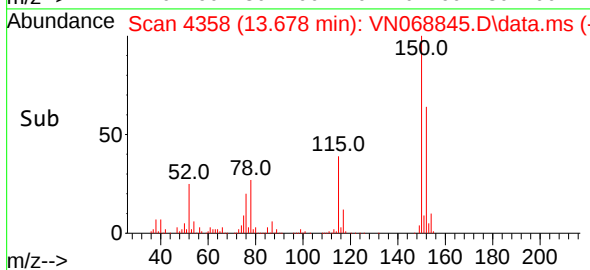
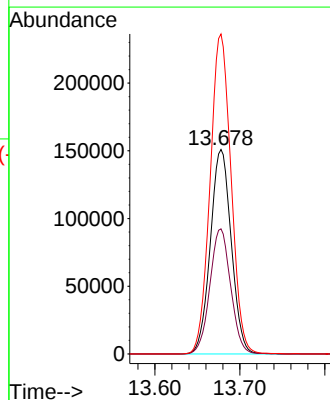
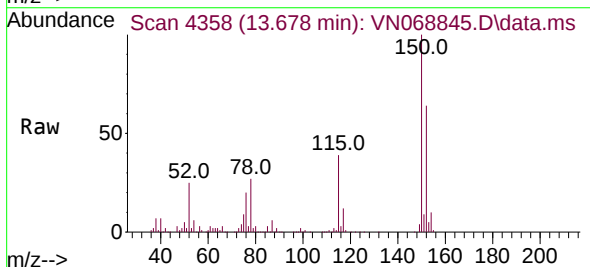
Instrument :
MSVOA_N
ClientSampleId :
GROWS-3

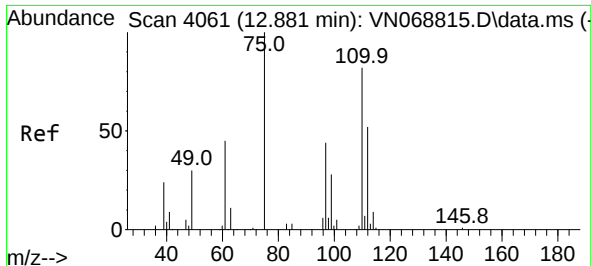
Tgt Ion:117 Resp: 707172
Ion Ratio Lower Upper
117 100
82 54.2 53.1 79.7
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

Tgt Ion:152 Resp: 258487
Ion Ratio Lower Upper
152 100
115 60.7 36.1 108.5
150 156.4 0.0 351.8

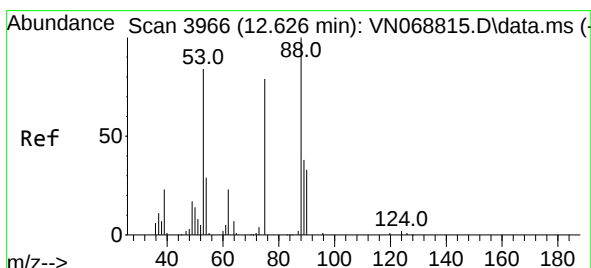
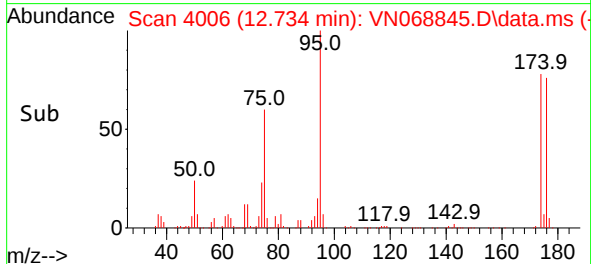
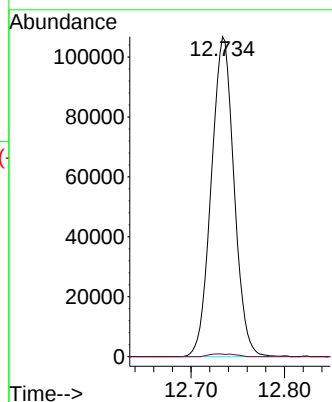
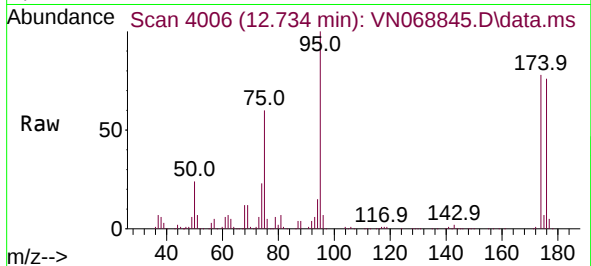




#76
1,2,3-Trichloropropane
Concen: 35.485 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

Instrument :
MSVOA_N
ClientSampleId :
GROWS-3

Tgt Ion: 75 Resp: 180809
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.799 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN068845.D
Acq: 7 Oct 2021 16:48

Tgt Ion: 75 Resp: 180809
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

