

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092421\
 Data File : VN068652.D
 Acq On : 24 Sep 2021 20:49
 Operator : JC/MD
 Sample : M3832-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-B

Quant Time: Sep 25 01:52:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 13:52:37 2021
 Response via : Initial Calibration

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

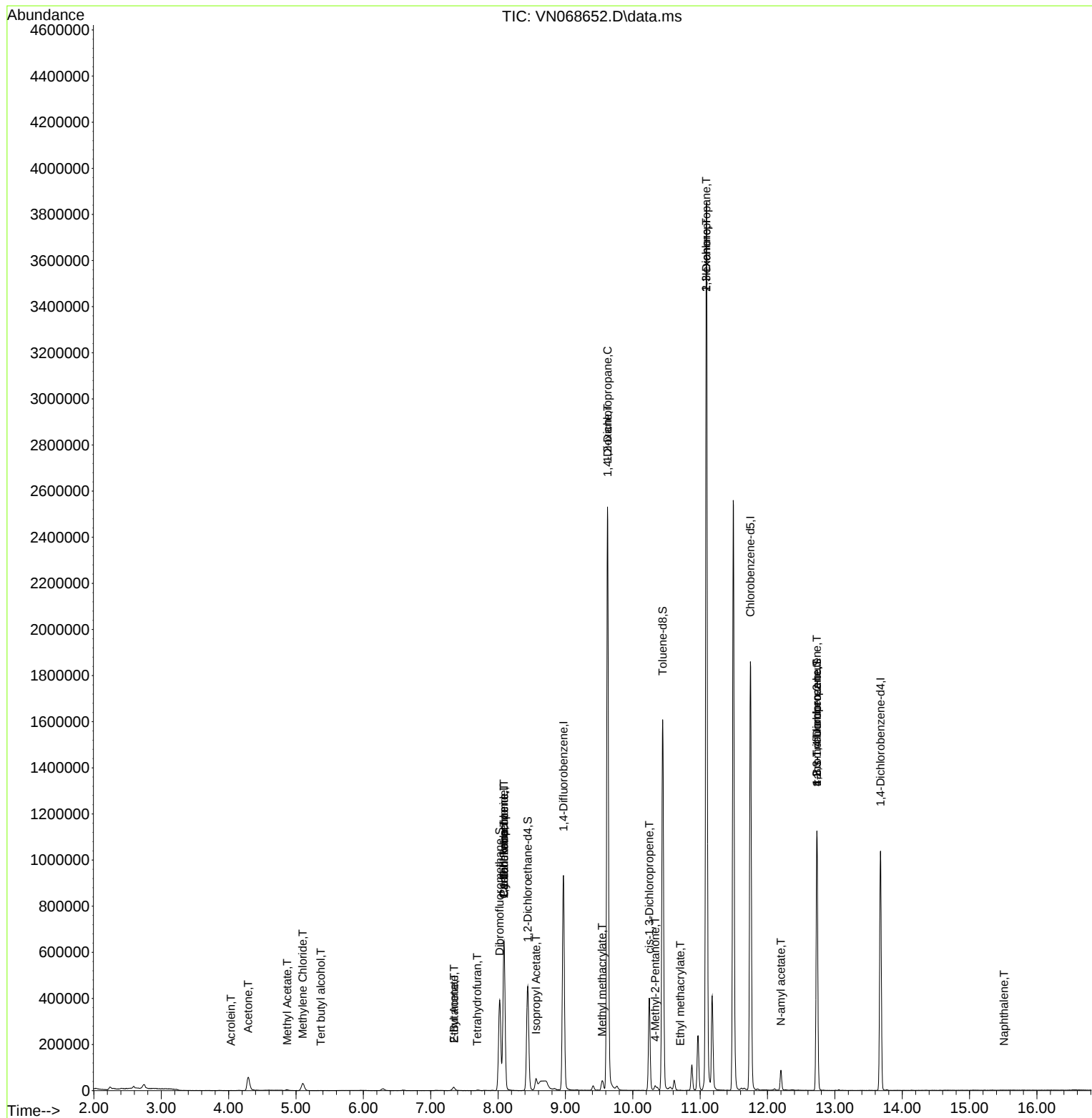
Internal Standards						
1) Pentafluorobenzene	8.088	168	486938	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	803181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1058643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	271299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	377480	49.671	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.340%
35) Dibromofluoromethane	8.024	113	286165	53.280	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.560%
50) Toluene-d8	10.443	98	1115133	48.955	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.900%
62) 4-Bromofluorobenzene	12.734	95	369078	47.376	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.760%
Target Compounds						
					Qvalue	
5) Bromomethane	2.859	94	298	Below Cal	#	4
6) Chloroethane	3.186	64	1007	Below Cal	#	44
11) Tert butyl alcohol	5.369	59	286	0.244	ug/l #	71
13) Acrolein	4.033	56	24	6.888	ug/l #	14
16) Acetone	4.291	43	110699	30.057	ug/l	95
18) Methyl Acetate	4.870	43	7250	0.648	ug/l #	70
20) Methylene Chloride	5.101	84	23611	2.199	ug/l	93
25) 2-Butanone	7.345	43	24818	5.355	ug/l	94
29) Tetrahydrofuran	7.689	42	873	0.296	ug/l #	55
31) Cyclohexane	8.088	56	11755	1.102	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	38974	4.805	ug/l #	52
37) Ethyl Acetate	7.345	43	24818	2.695	ug/l #	69
38) Carbon Tetrachloride	8.086	117	51409	6.136	ug/l #	17
43) Isopropyl Acetate	8.563	43	59508	3.777	ug/l #	84
45) 1,2-Dichloropropane	9.625	63	2871	0.458	ug/l #	44
48) Methyl methacrylate	9.545	41	12222	1.699	ug/l #	12
49) 1,4-Dioxane	9.628	88	181	1.724	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	12764	1.340	ug/l	92
54) cis-1,3-Dichloropropene	10.245	75	66440	6.708	ug/l #	62
56) Ethyl methacrylate	10.703	69	178	0.722	ug/l #	19
57) 1,3-Dichloropropane	11.092	76	39198	3.839	ug/l #	43
59) 2-Hexanone	11.092	43	642201	93.734	ug/l #	53
74) N-amyl acetate	12.197	43	30030	2.892	ug/l #	57
76) 1,2,3-Trichloropropane	12.734	75	208917	31.144	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	208917	87.974	ug/l #	6
95) Naphthalene	15.512	128	886	1.662	ug/l #	69

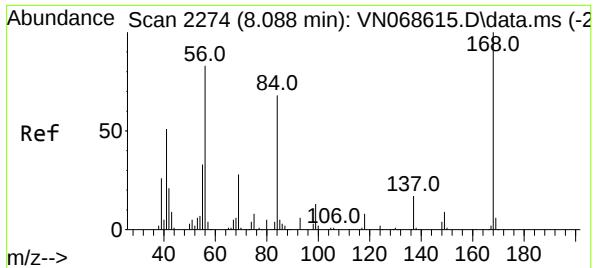
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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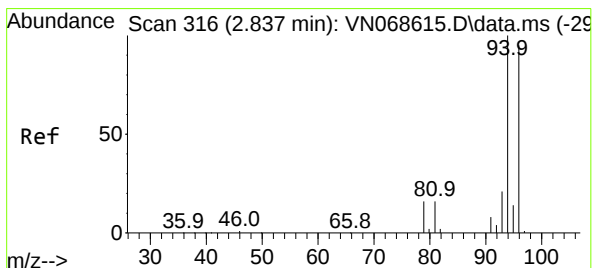
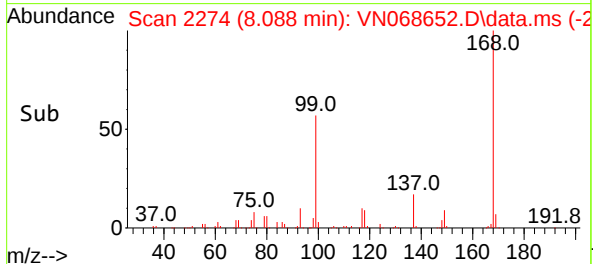
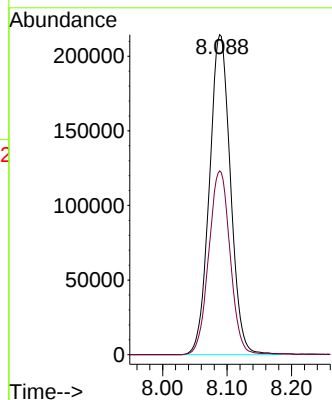
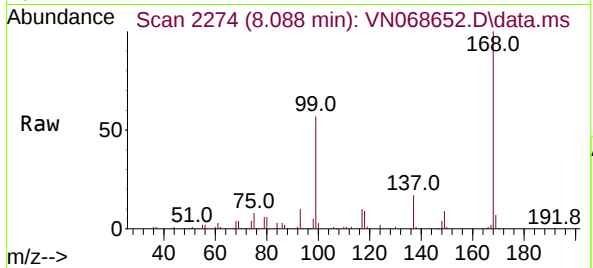




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

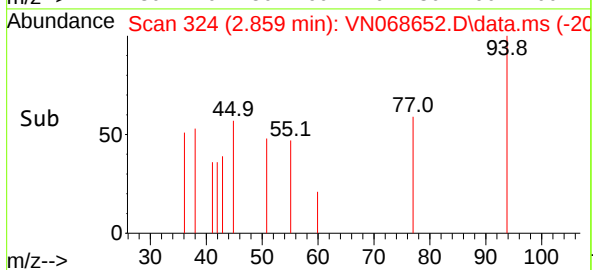
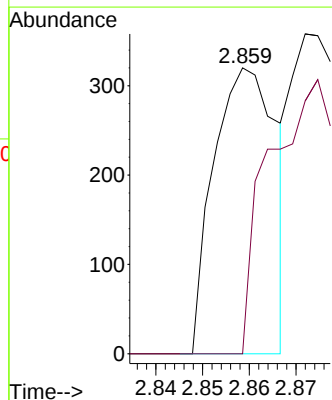
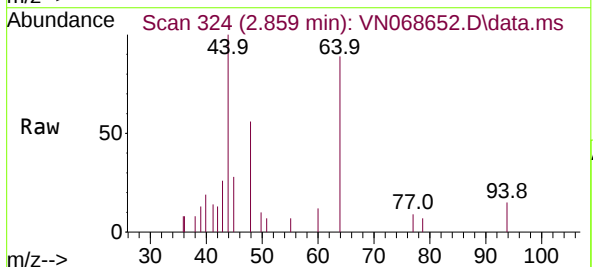
Instrument :
MSVOA_N
ClientSampled :
TP-B

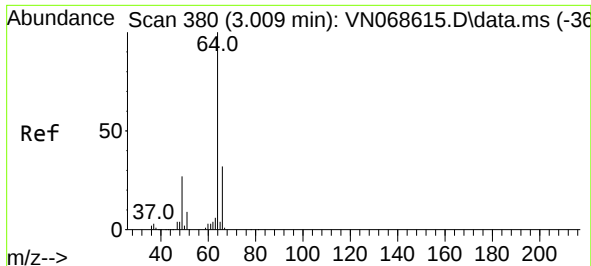
Tgt Ion:168 Resp: 486938
Ion Ratio Lower Upper
168 100
99 57.5 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.859 min Scan# 324
Delta R.T. 0.022 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion: 94 Resp: 298
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

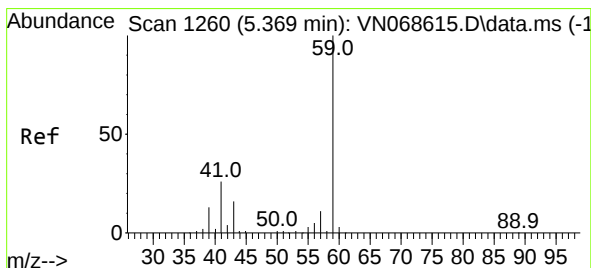
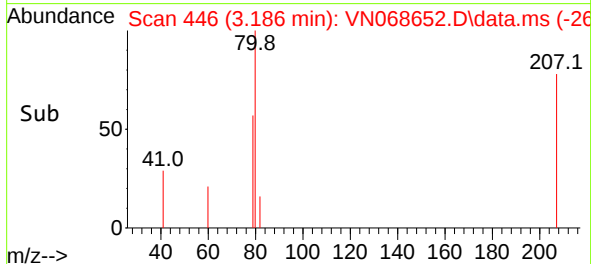
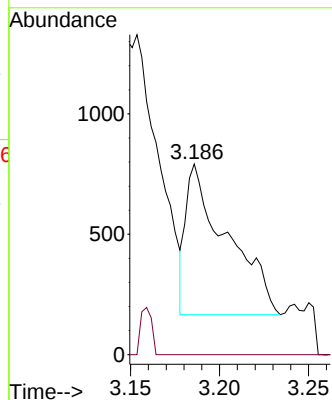
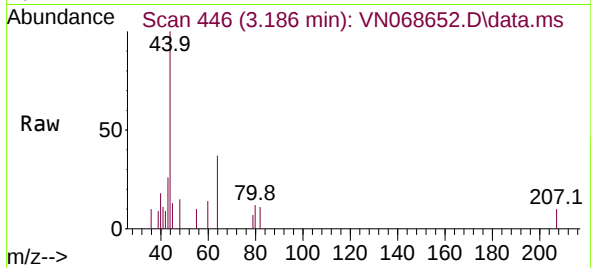




#6
Chloroethane
Concen: Below Cal
RT: 3.186 min Scan# 446
Delta R.T. 0.177 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

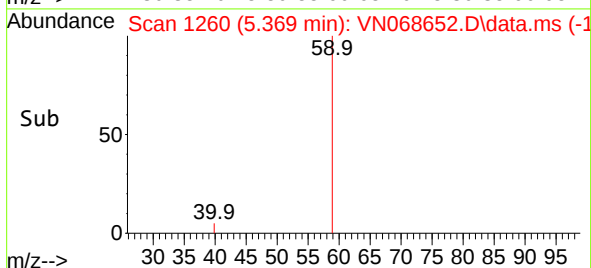
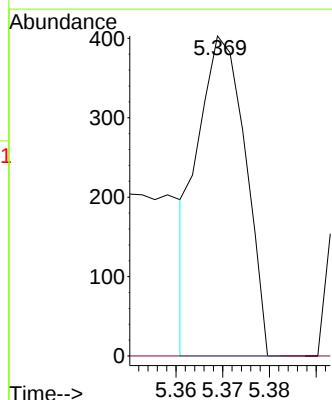
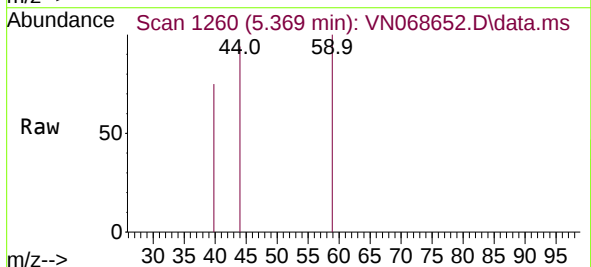
Instrument :
MSVOA_N
ClientSampled :
TP-B

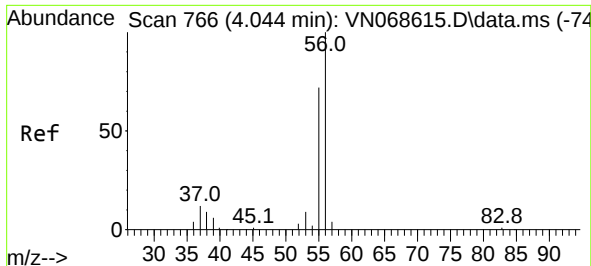
Tgt Ion: 64 Resp: 1007
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.244 ug/l
RT: 5.369 min Scan# 1260
Delta R.T. -0.000 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion: 59 Resp: 286
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

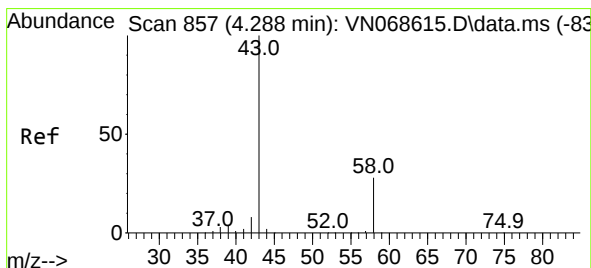
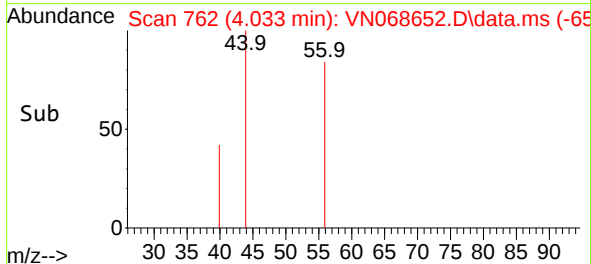
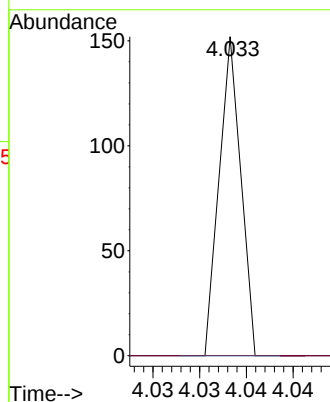
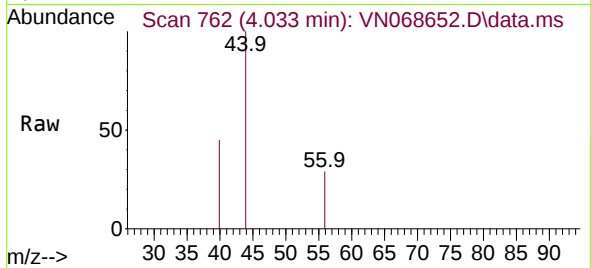




#13
Acrolein
Concen: 6.888 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.011 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

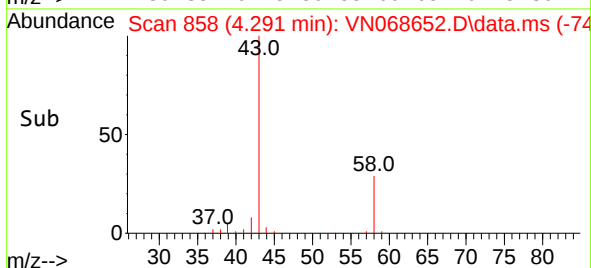
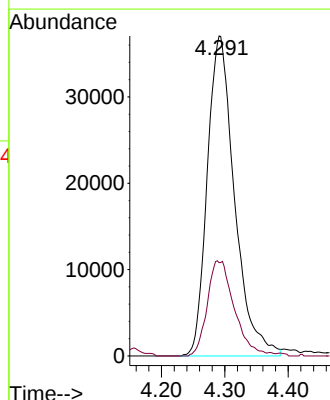
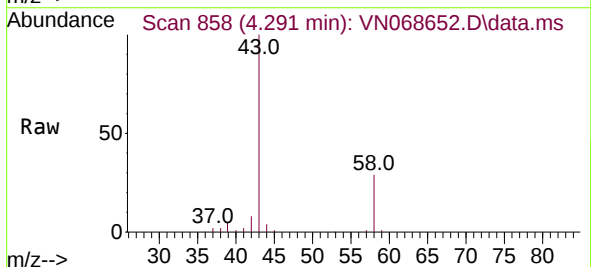
Instrument :
MSVOA_N
ClientSampled :
TP-B

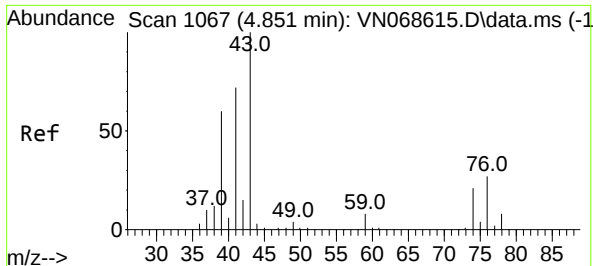
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 30.057 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion: 43 Resp: 110699
Ion Ratio Lower Upper
43 100
58 29.1 21.2 31.8





#18

Methyl Acetate

Concen: 0.648 ug/l

RT: 4.870 min Scan# 1074

Delta R.T. 0.019 min

Lab File: VN068652.D

Acq: 24 Sep 2021 20:49

Tgt Ion: 43 Resp: 7250

Ion Ratio Lower Upper

43 100

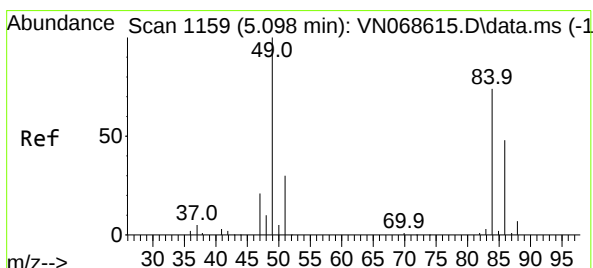
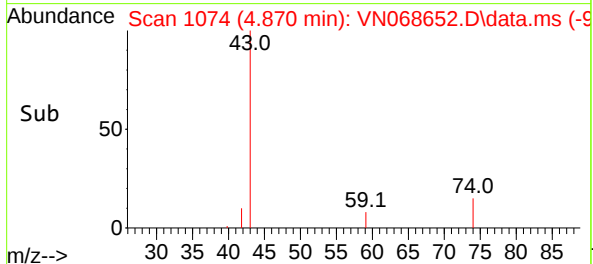
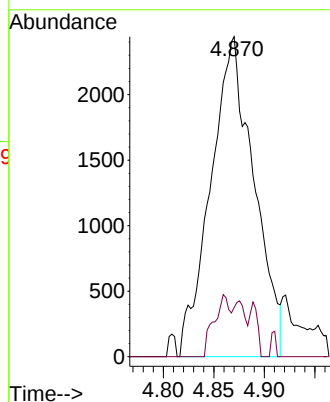
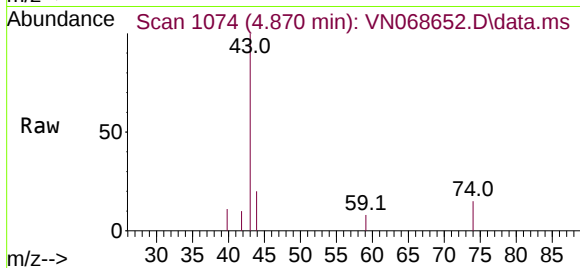
74 7.3 17.4 26.0#

Instrument :

MSVOA_N

ClientSampled :

TP-B



#20

Methylene Chloride

Concen: 2.199 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.003 min

Lab File: VN068652.D

Acq: 24 Sep 2021 20:49

Tgt Ion: 84 Resp: 23611

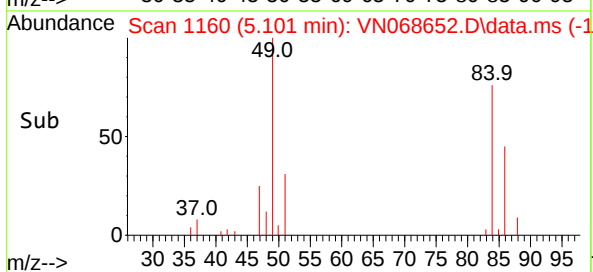
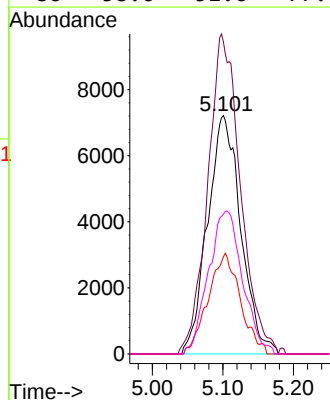
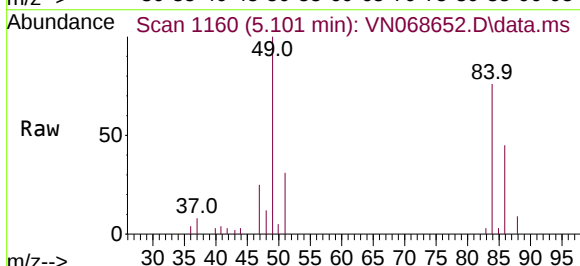
Ion Ratio Lower Upper

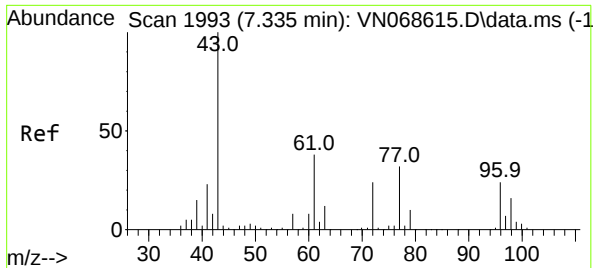
84 100

49 128.9 110.9 166.3

51 40.8 32.6 49.0

86 58.6 51.6 77.4

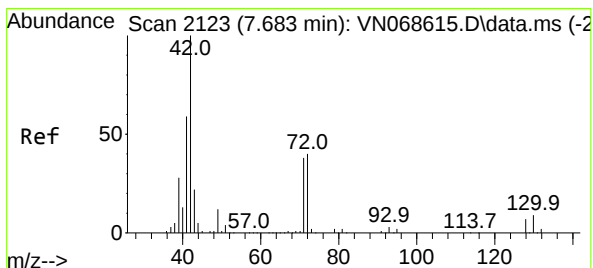
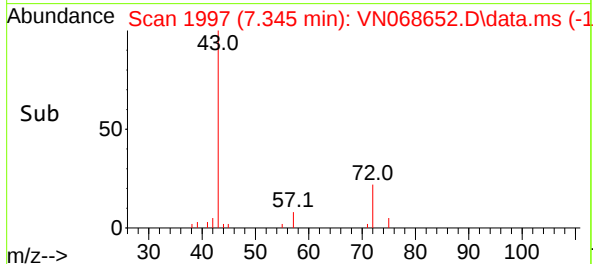
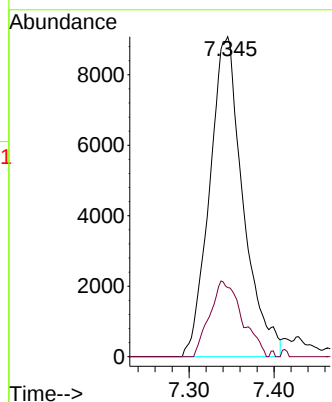
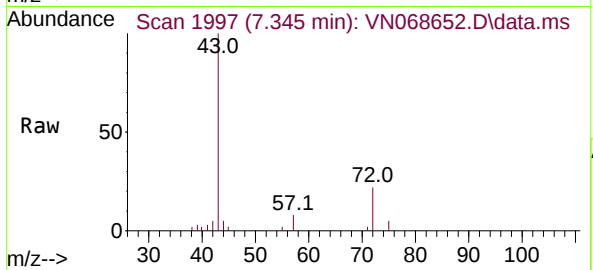




#25
2-Butanone
Concen: 5.355 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.010 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

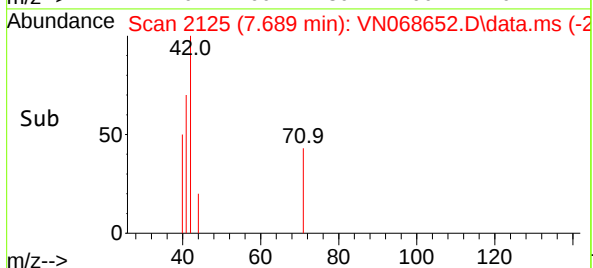
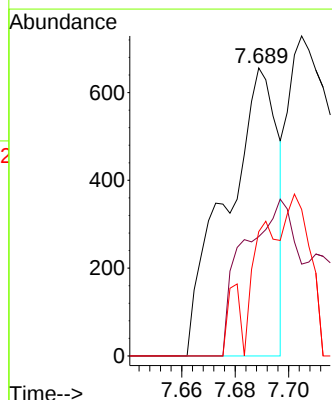
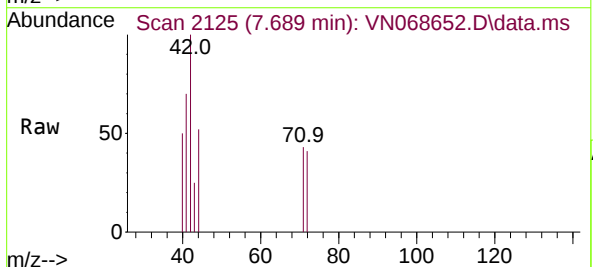
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MSVOA_N
ClientSampled :
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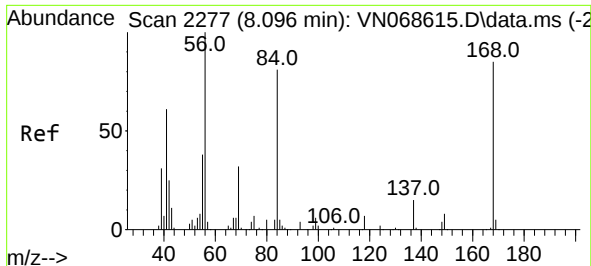
Tgt Ion: 43 Resp: 24818
Ion Ratio Lower Upper
43 100
72 21.6 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.296 ug/l
RT: 7.689 min Scan# 2125
Delta R.T. 0.006 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion: 42 Resp: 873
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 24.3 31.2 46.8#

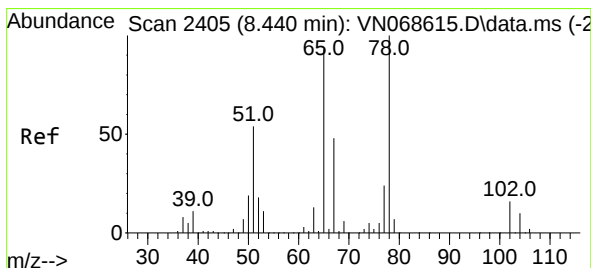
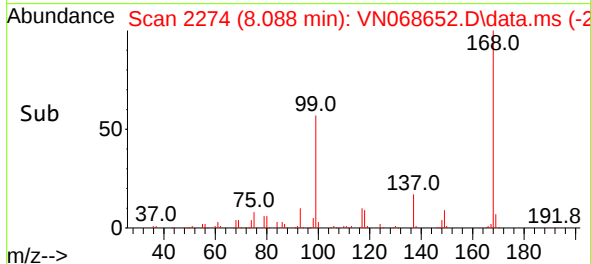
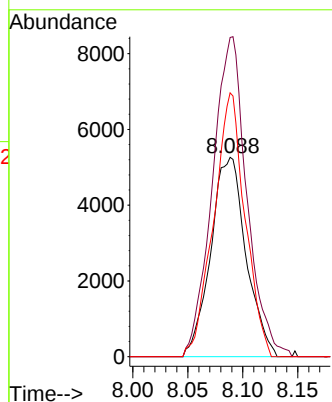
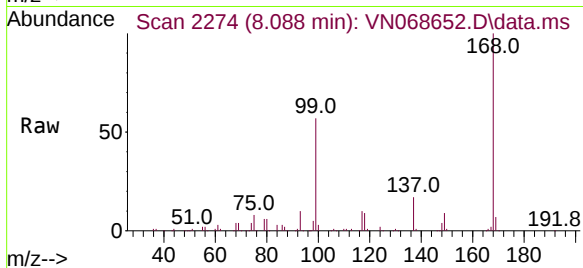




#31
Cyclohexane
Concen: 1.102 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

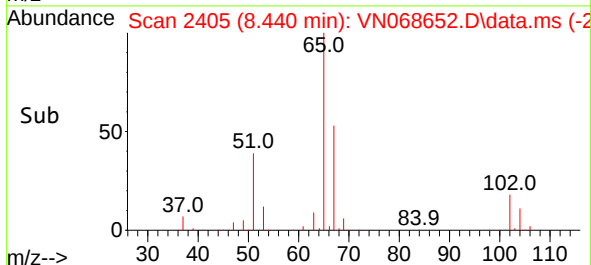
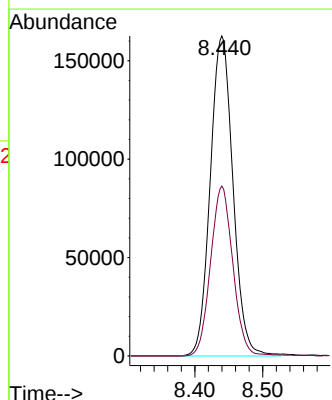
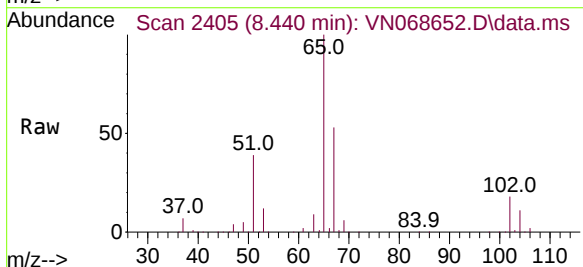
Instrument :
MSVOA_N
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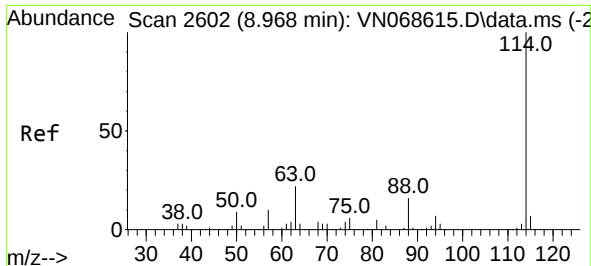
Tgt Ion: 56 Resp: 11755
Ion Ratio Lower Upper
56 100
69 160.1 27.3 40.9#
84 132.3 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 49.671 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion: 65 Resp: 377480
Ion Ratio Lower Upper
65 100
67 52.0 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: VN068652.D

Acq: 24 Sep 2021 20:49

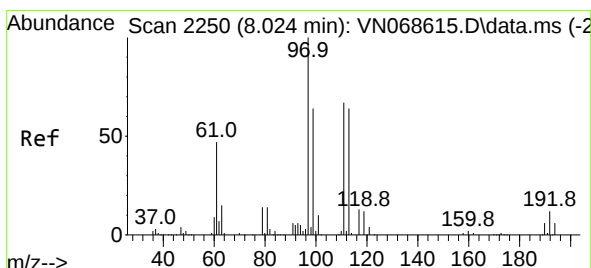
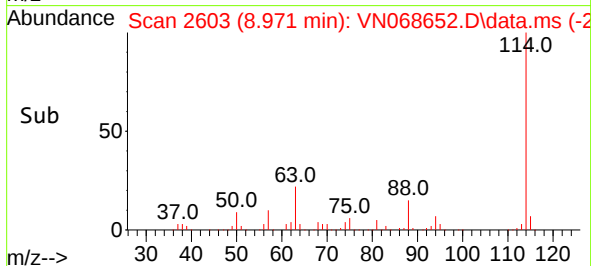
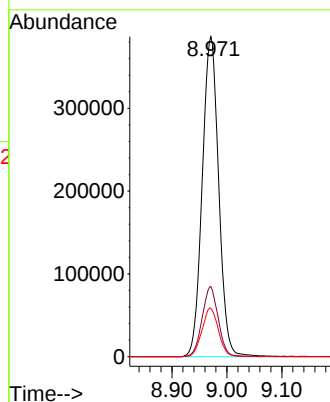
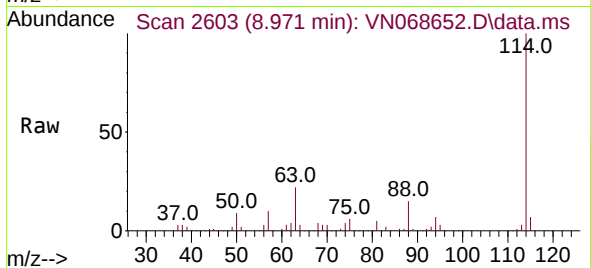
Tgt Ion:114 Resp: 803181

Ion Ratio Lower Upper

114 100

63 21.9 0.0 49.0

88 15.1 0.0 36.6



#35

Dibromofluoromethane

Concen: 53.280 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.000 min

Lab File: VN068652.D

Acq: 24 Sep 2021 20:49

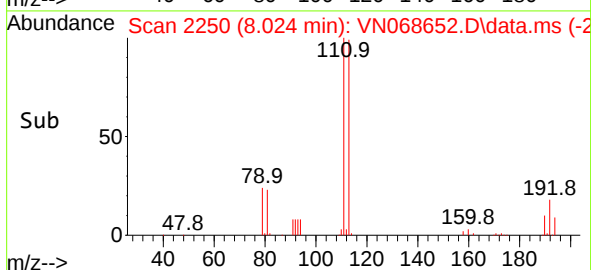
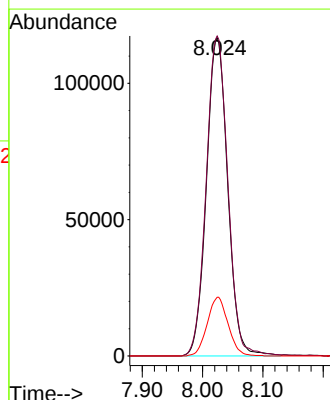
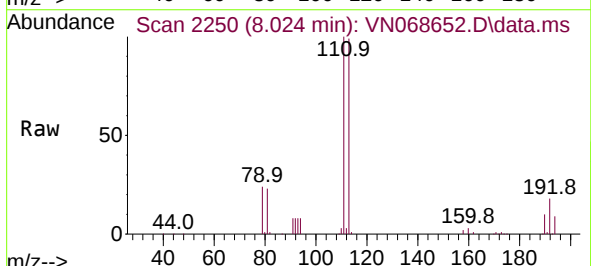
Tgt Ion:113 Resp: 286165

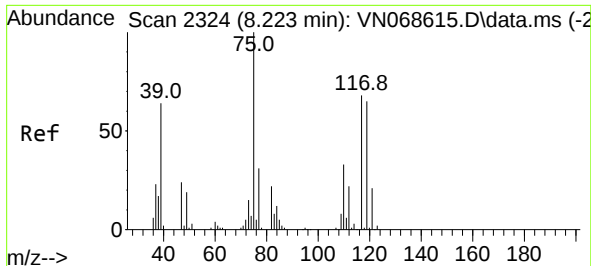
Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.8

192 18.1 13.4 20.0

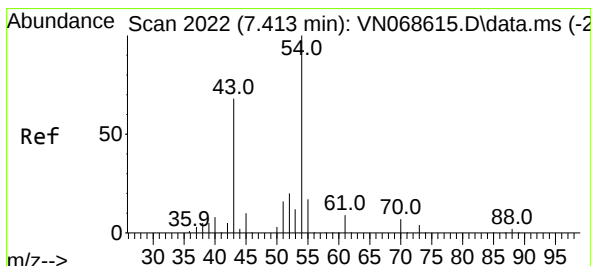
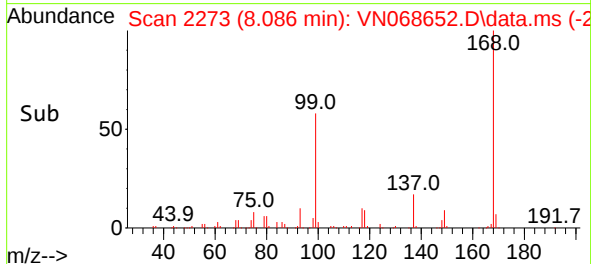
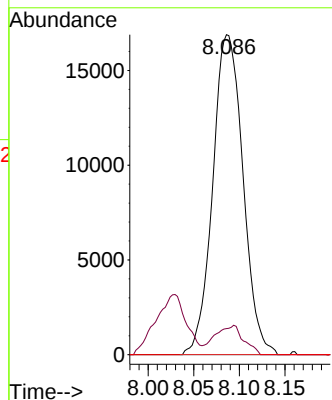
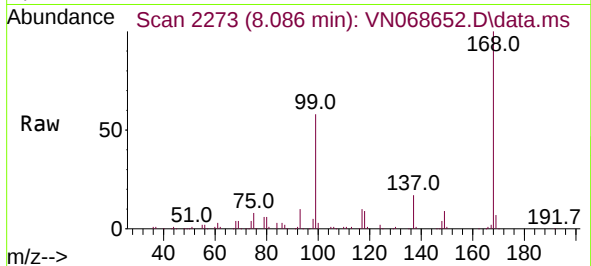




#36
1,1-Dichloropropene
Concen: 4.805 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

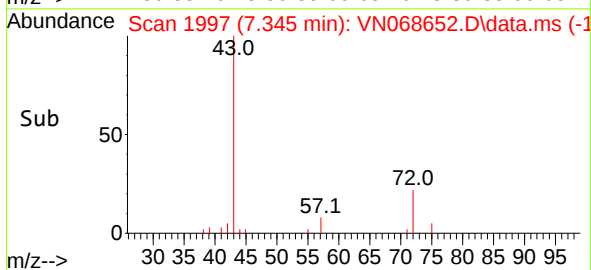
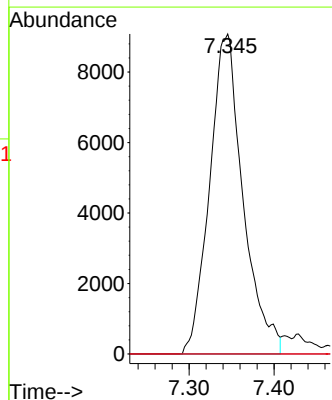
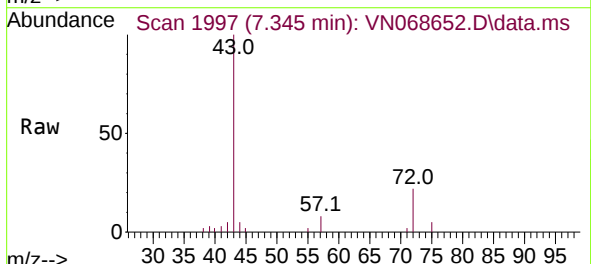
Instrument :
MSVOA_N
ClientSampled :
TP-B

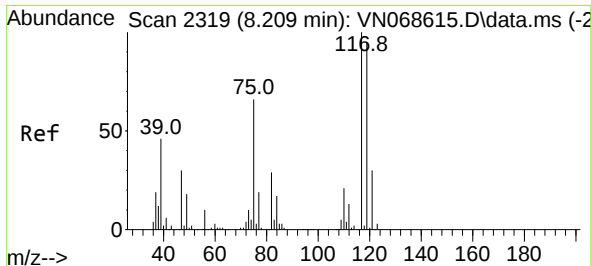
Tgt Ion: 75 Resp: 38974
Ion Ratio Lower Upper
75 100
110 8.8 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 2.695 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.068 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion: 43 Resp: 24818
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#

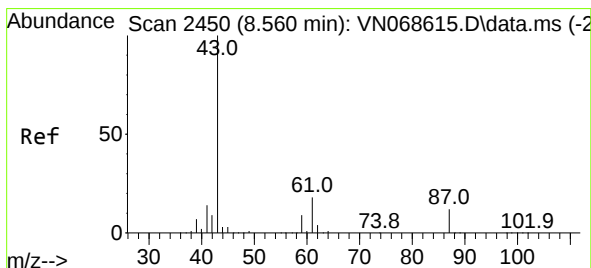
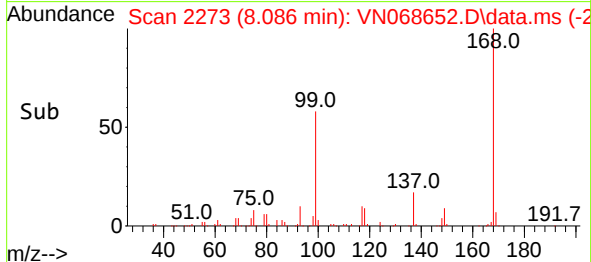
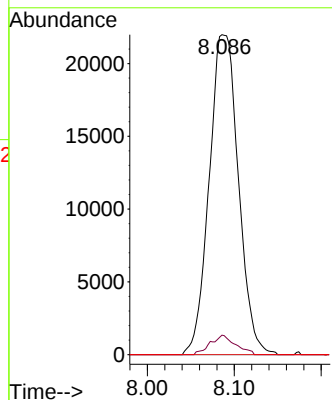
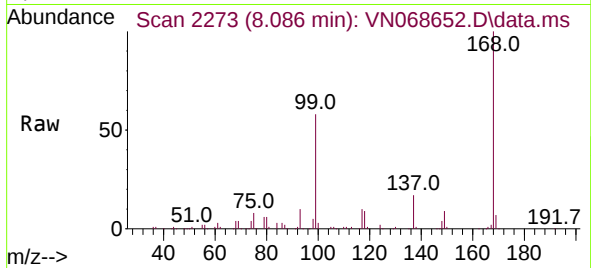




#38
Carbon Tetrachloride
Concen: 6.136 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

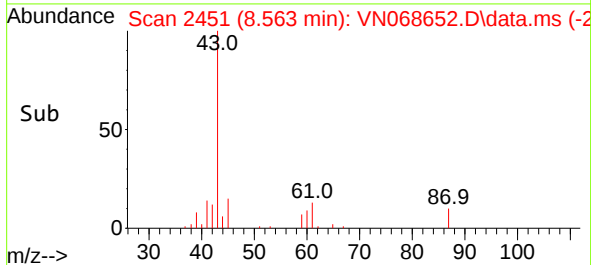
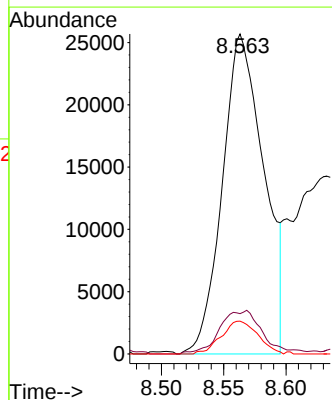
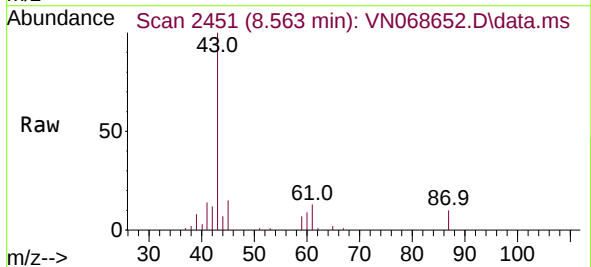
Instrument :
MSVOA_N
ClientSampled :
TP-B

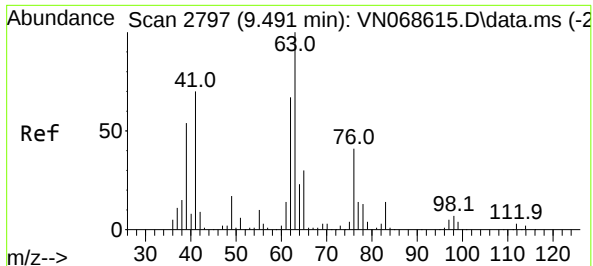
Tgt Ion:117 Resp: 51409
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 3.777 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion: 43 Resp: 59508
Ion Ratio Lower Upper
43 100
61 14.0 19.0 28.4#
87 9.0 9.5 14.3#



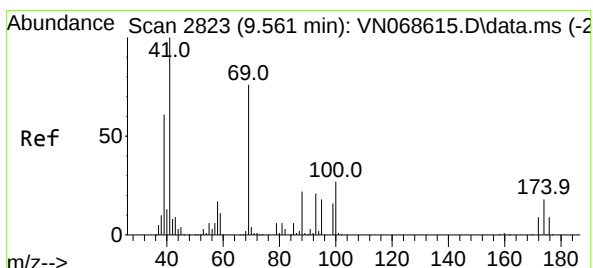
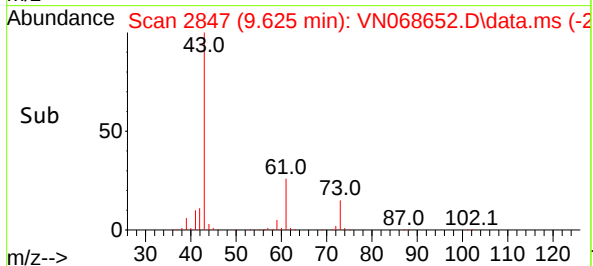
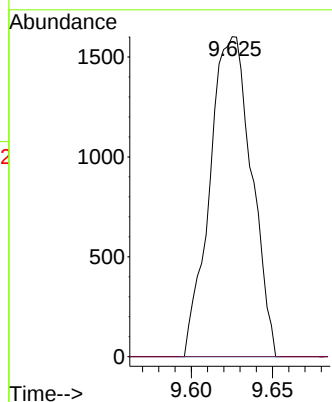
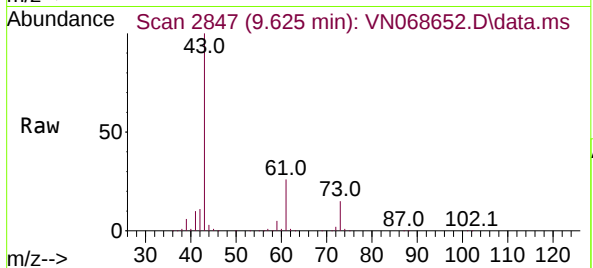


#45

1,2-Dichloropropane
Concen: 0.458 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Instrument :
MSVOA_N
ClientSampled :
TP-B

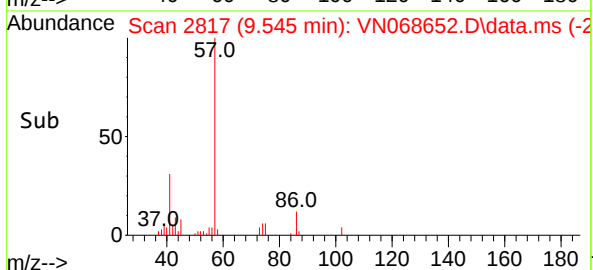
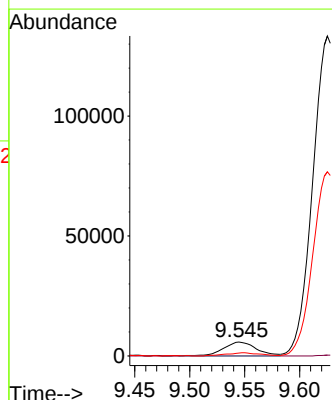
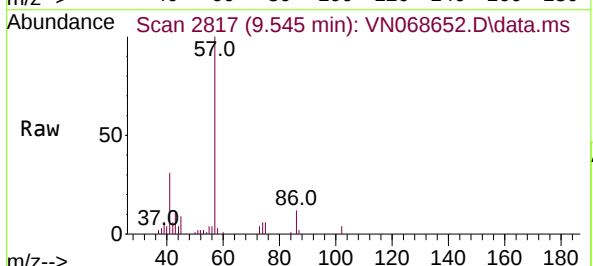
Tgt Ion: 63 Resp: 2871
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

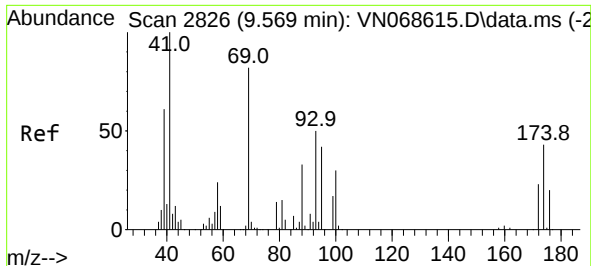


#48

Methyl methacrylate
Concen: 1.699 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion: 41 Resp: 12222
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#





#49

1,4-Dioxane

Concen: 1.724 ug/l

RT: 9.628 min Scan# 2848

Delta R.T. 0.059 min

Lab File: VN068652.D

Acq: 24 Sep 2021 20:49

Instrument :

MSVOA_N

ClientSampled :

TP-B

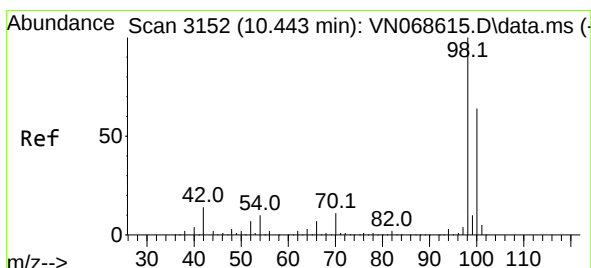
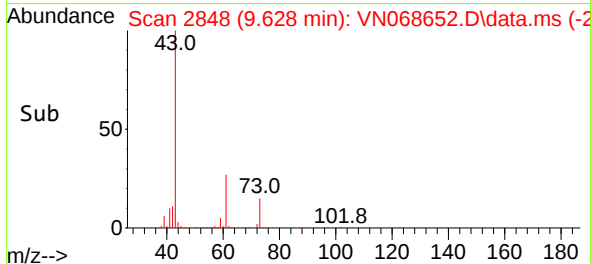
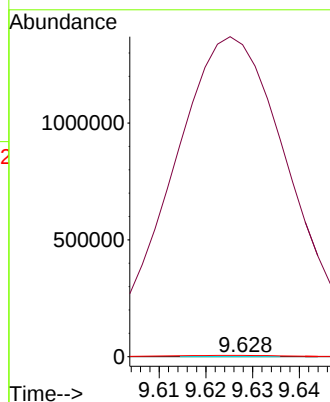
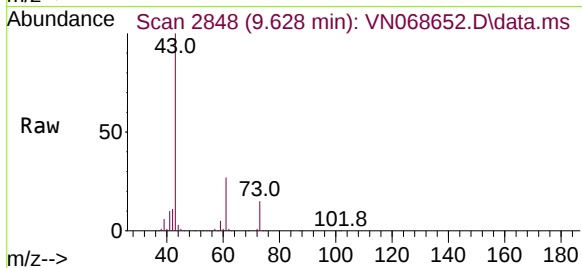
Tgt Ion: 88 Resp: 181

Ion Ratio Lower Upper

88 100

43 1414422.1 28.8 43.2#

58 6176.2 60.4 90.6#



#50

Toluene-d8

Concen: 48.955 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068652.D

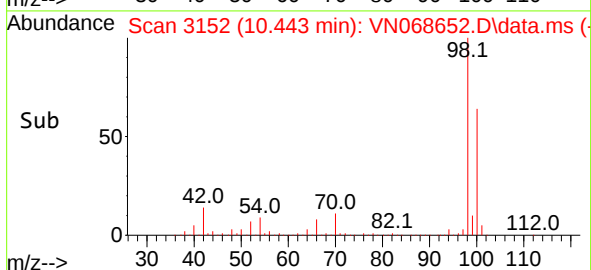
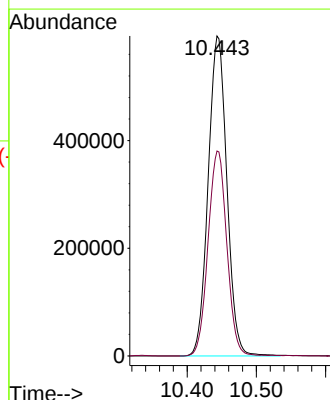
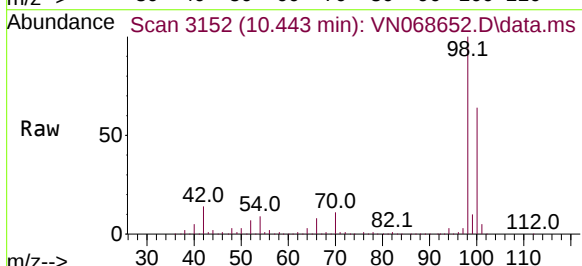
Acq: 24 Sep 2021 20:49

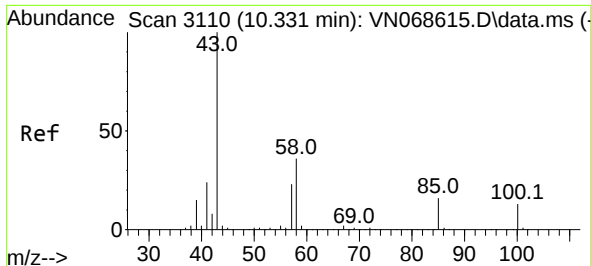
Tgt Ion: 98 Resp: 1115133

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5

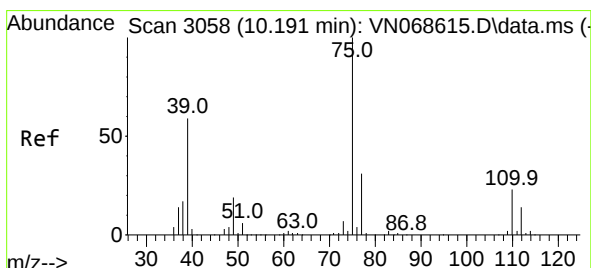
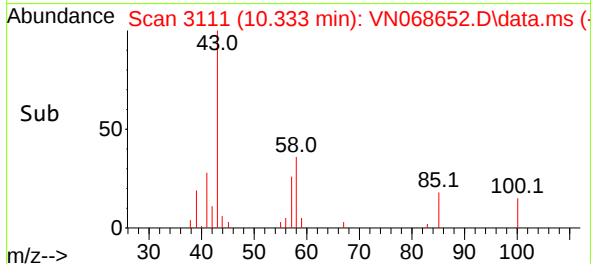
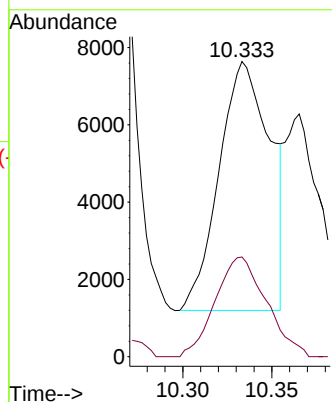
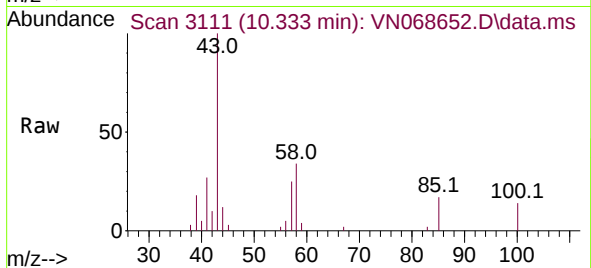




#51
4-Methyl-2-Pentanone
Concen: 1.340 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

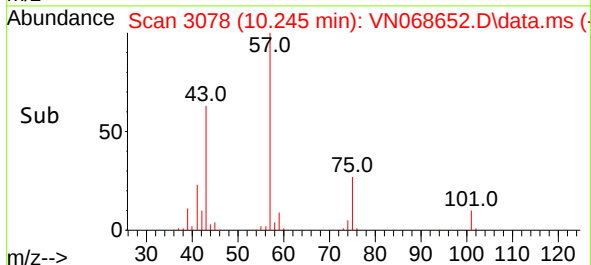
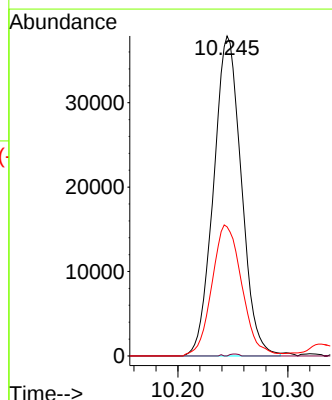
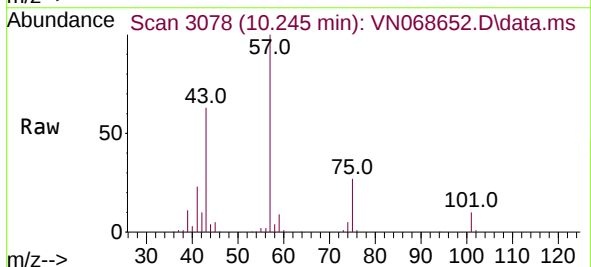
Instrument :
MSVOA_N
ClientSampled :
TP-B

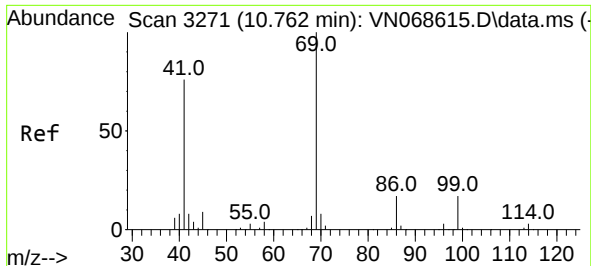
Tgt Ion: 43 Resp: 12764
Ion Ratio Lower Upper
43 100
58 40.2 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 6.708 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion: 75 Resp: 66440
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 40.4 50.7 76.1#

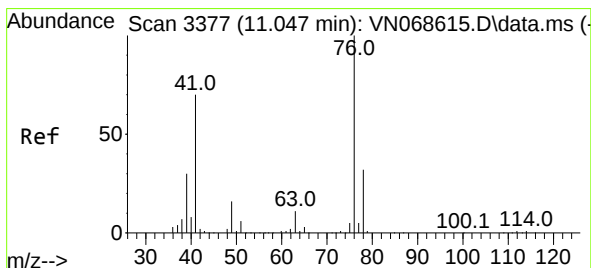
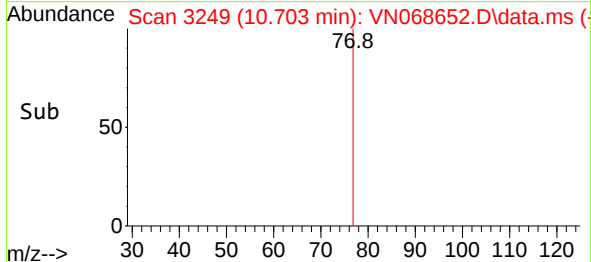
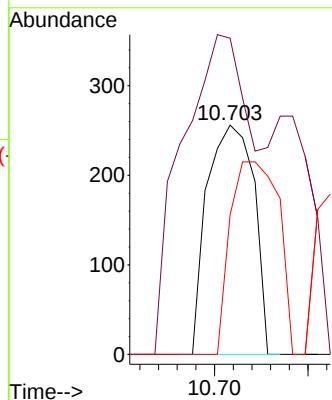
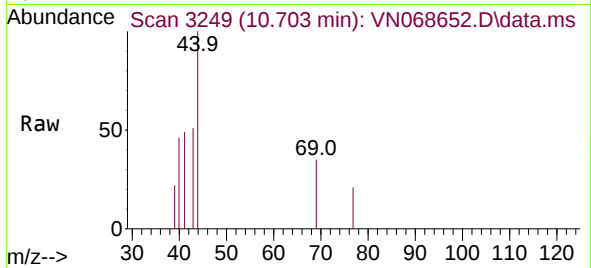




#56
Ethyl methacrylate
Concen: 0.722 ug/l
RT: 10.703 min Scan# 3249
Delta R.T. -0.059 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

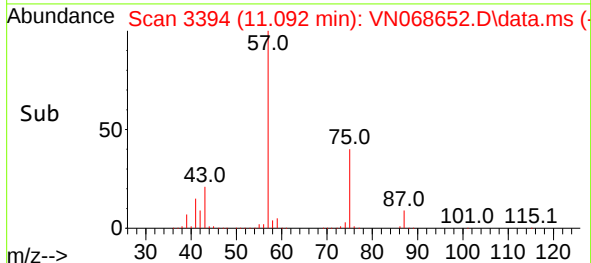
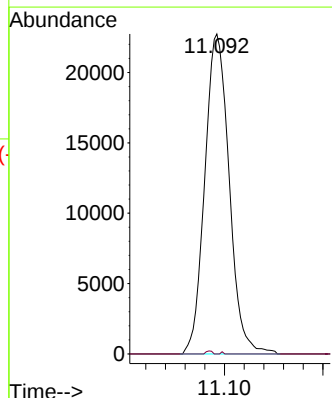
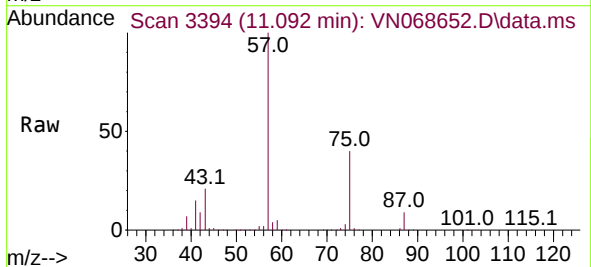
Instrument :
MSVOA_N
ClientSampled :
TP-B

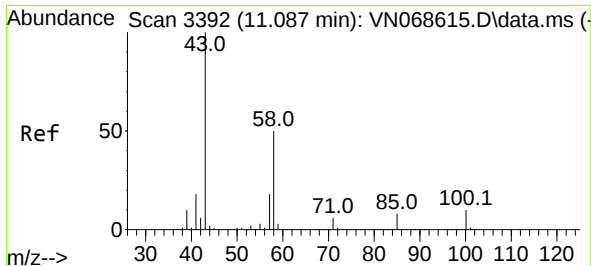
Tgt Ion: 69 Resp: 178
Ion Ratio Lower Upper
69 100
41 0.0 58.6 88.0#
39 0.0 38.3 57.5#



#57
1,3-Dichloropropane
Concen: 3.839 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion: 76 Resp: 39198
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

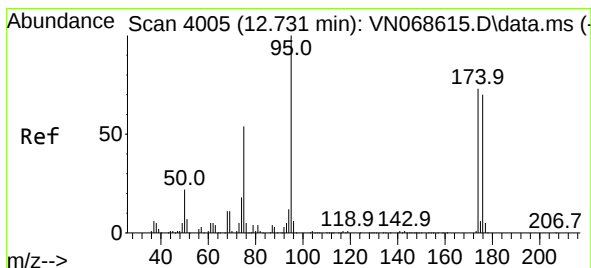
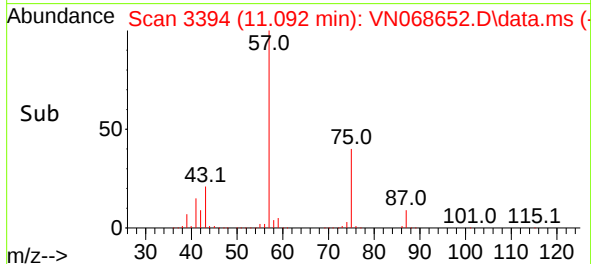
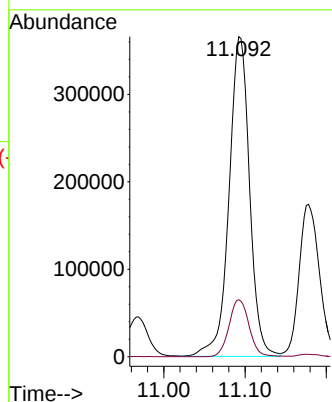
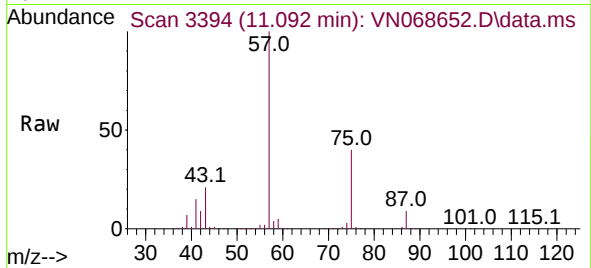




#59
2-Hexanone
Concen: 93.734 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

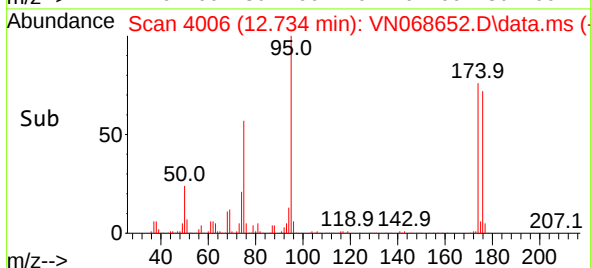
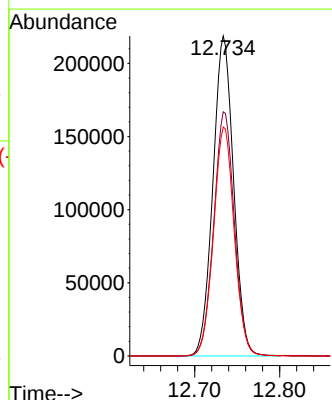
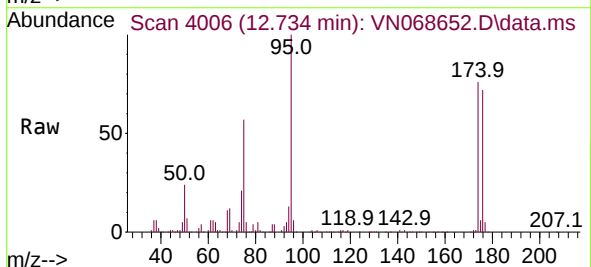
Instrument :
MSVOA_N
ClientSampled :
TP-B

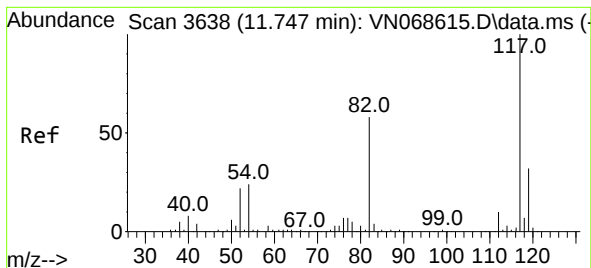
Tgt Ion: 43 Resp: 642201
Ion Ratio Lower Upper
43 100
58 17.4 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 47.376 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion: 95 Resp: 369078
Ion Ratio Lower Upper
95 100
174 76.4 0.0 122.0
176 71.9 0.0 117.6

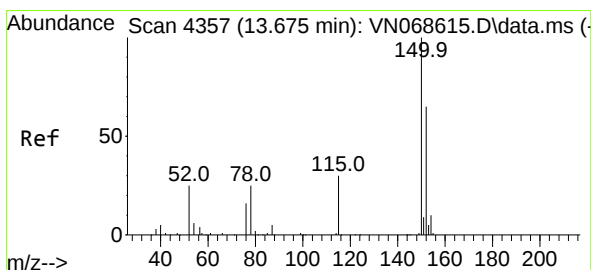
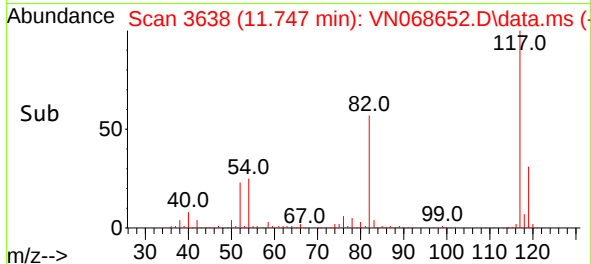
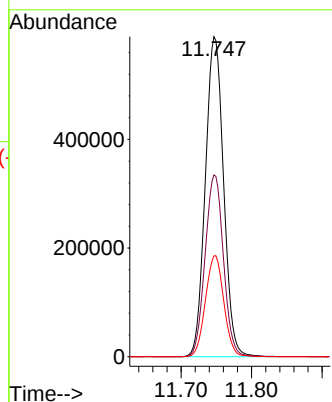
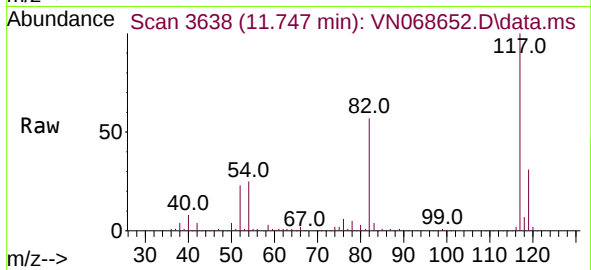




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

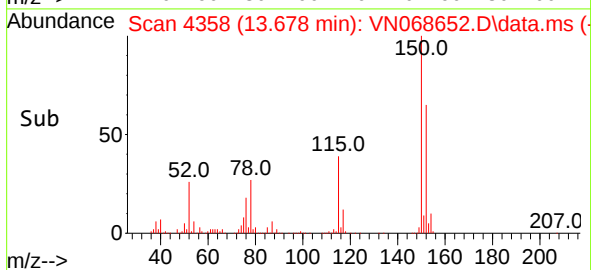
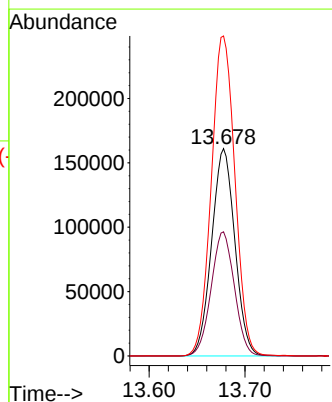
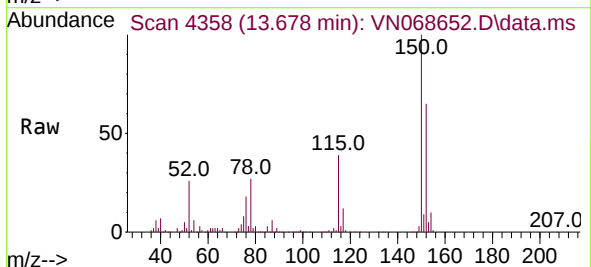
Instrument :
MSVOA_N
ClientSampled :
TP-B

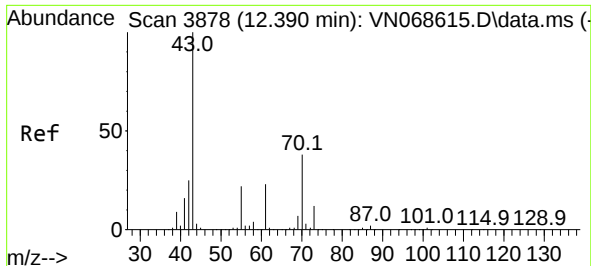
Tgt Ion:117 Resp: 1058643
Ion Ratio Lower Upper
117 100
82 56.8 53.1 79.7
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion:152 Resp: 271299
Ion Ratio Lower Upper
152 100
115 59.9 36.1 108.5
150 156.9 0.0 351.8

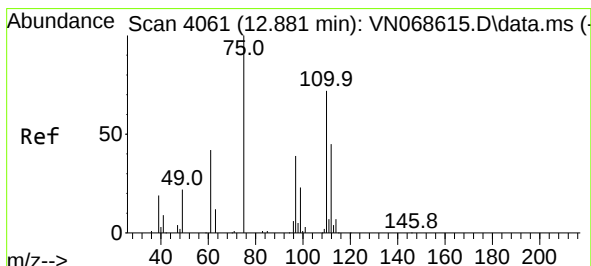
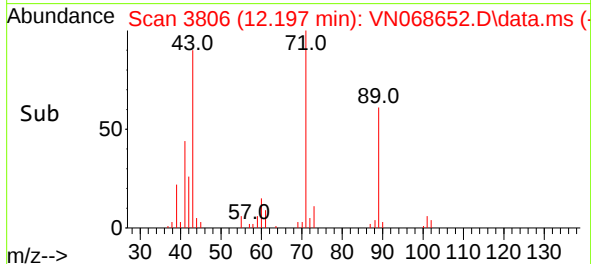
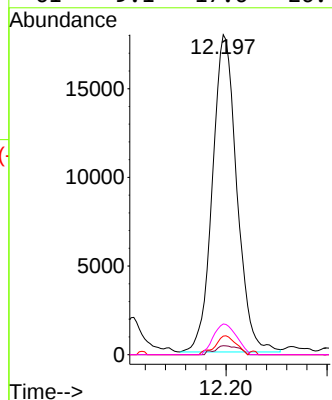
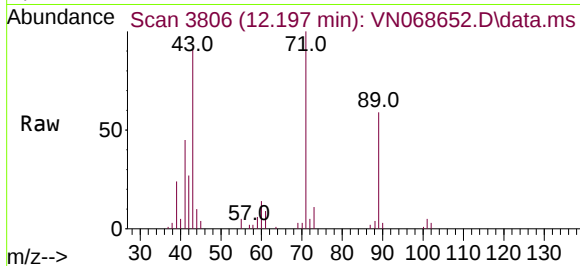




#74
N-amy1 acetate
Concen: 2.892 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

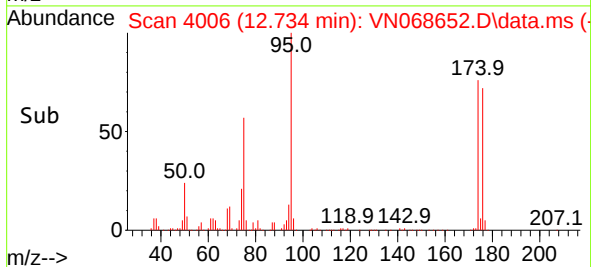
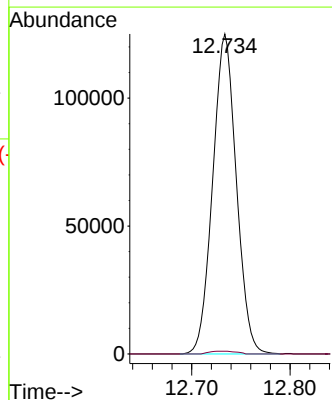
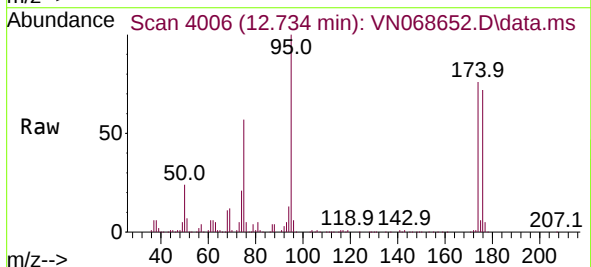
Instrument :
MSVOA_N
ClientSampled :
TP-B

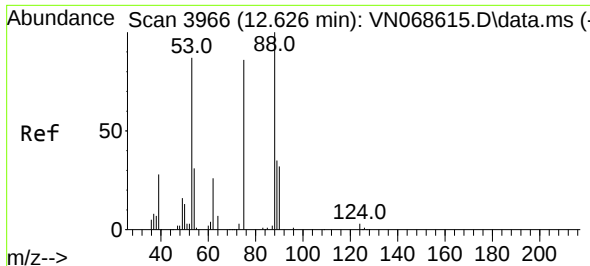
Tgt Ion:	43	Resp:	30030
Ion Ratio	100	Lower	Upper
70	2.8	29.4	44.2#
55	5.1	17.0	25.4#
61	9.1	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 31.144 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion:	75	Resp:	208917
Ion Ratio	100	Lower	Upper
77	1.0	0.0	0.0#

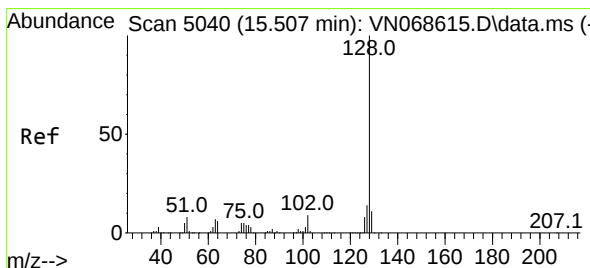
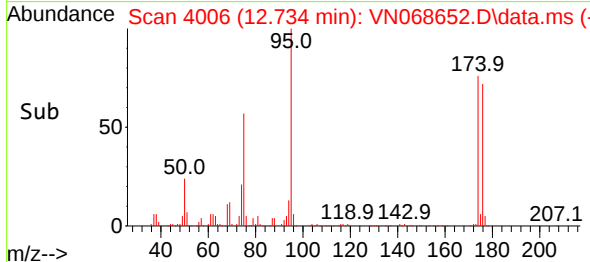
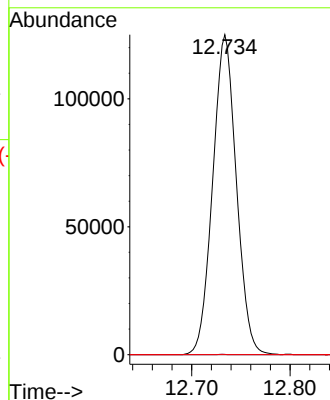
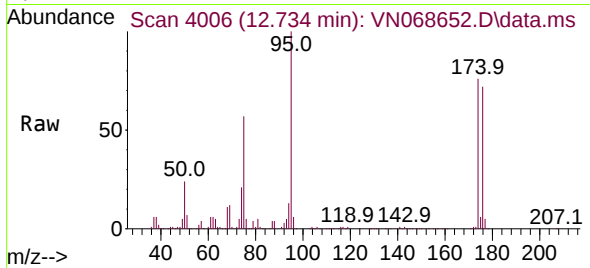




#81
trans-1,4-Dichloro-2-butene
Concen: 87.974 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Instrument :
MSVOA_N
ClientSampled :
TP-B

Tgt Ion: 75 Resp: 208917
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 1.662 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068652.D
Acq: 24 Sep 2021 20:49

Tgt Ion: 128 Resp: 886
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

