

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061721\
 Data File : VN067386.D
 Acq On : 17 Jun 2021 19:03
 Operator : JC/MD
 Sample : M2746-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 05:12:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	312781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	648656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	562194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	199546	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	306714	49.708	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.420%
35) Dibromofluoromethane	8.024	113	196989	45.662	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.320%
50) Toluene-d8	10.443	98	837866	50.672	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.340%
62) 4-Bromofluorobenzene	12.733	95	296909	43.511	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.020%

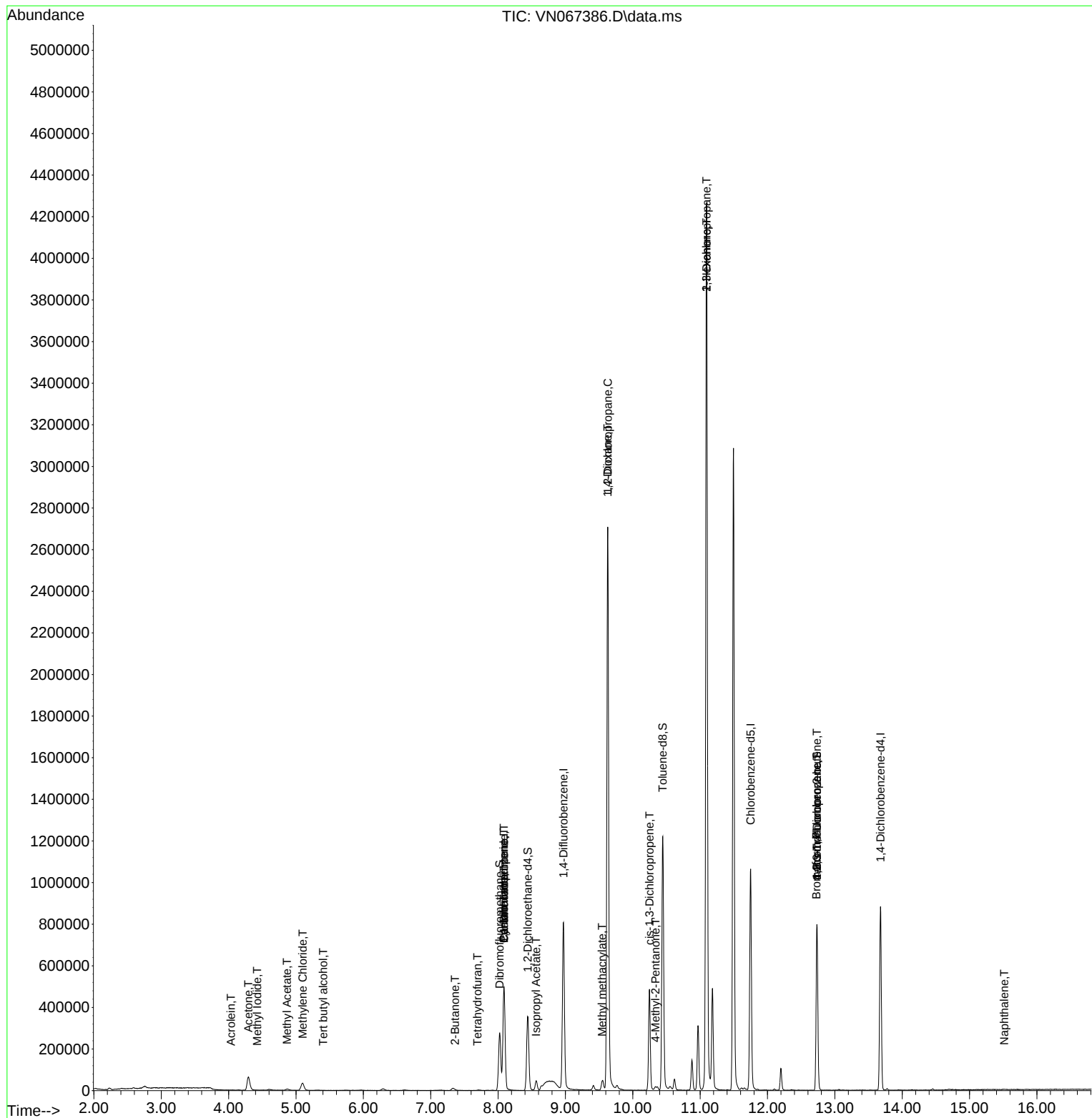
Target Compounds					Qvalue	
10) Methyl Iodide	4.422	142	92	6.764	ug/l #	33
11) Tert butyl alcohol	5.404	59	210	0.207	ug/l #	71
13) Acrolein	4.036	56	257	0.405	ug/l #	70
16) Acetone	4.293	43	121368	51.256	ug/l	92
18) Methyl Acetate	4.867	43	13729	2.391	ug/l #	77
20) Methylene Chloride	5.101	84	26007	5.279	ug/l	95
25) 2-Butanone	7.359	43	5307	1.568	ug/l #	82
29) Tetrahydrofuran	7.694	42	525	0.246	ug/l #	67
31) Cyclohexane	8.086	56	11902	1.419	ug/l #	24
36) 1,1-Dichloropropene	8.086	75	37951	5.219	ug/l #	52
38) Carbon Tetrachloride	8.088	117	40517	5.184	ug/l #	16
43) Isopropyl Acetate	8.563	43	56056	4.054	ug/l #	91
45) 1,2-Dichloropropane	9.630	63	2816	0.520	ug/l #	44
48) Methyl methacrylate	9.545	41	12875	2.042	ug/l #	12
49) 1,4-Dioxane	9.625	88	227	2.630	ug/l #	1
51) 4-Methyl-2-Pentanone	10.338	43	7849	0.986	ug/l #	66
54) cis-1,3-Dichloropropene	10.247	75	83714	9.054	ug/l #	58
57) 1,3-Dichloropropane	11.095	76	44162	4.899	ug/l #	43
59) 2-Hexanone	11.095	43	724188	124.156	ug/l #	53
71) Bromoform	12.728	173	817	0.235	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	172509	33.291	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	172509	82.505	ug/l #	6
95) Naphthalene	15.515	128	1961	2.761	ug/l #	73

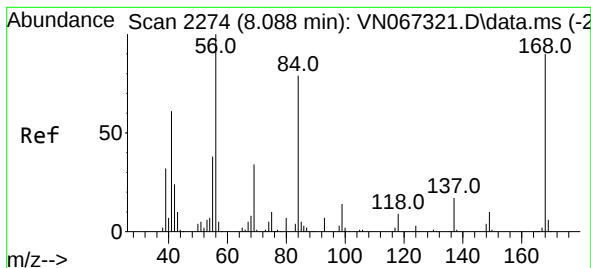
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 15 05:19:42 2021
Response via : Initial Calibration

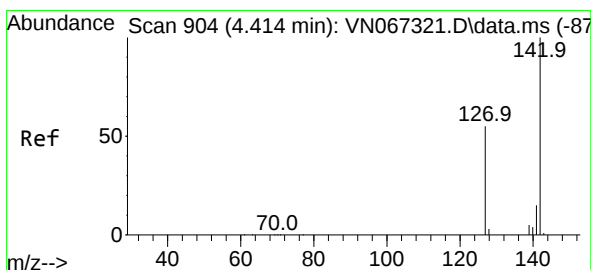
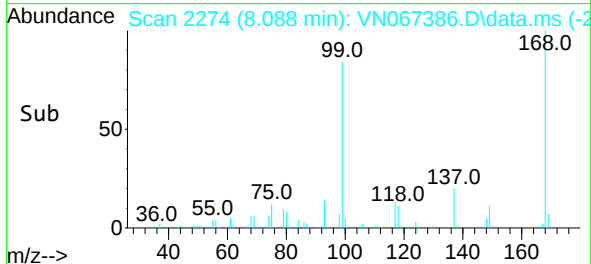
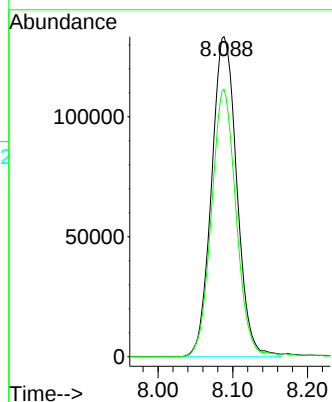
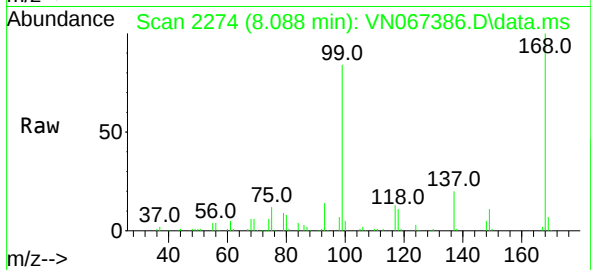




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

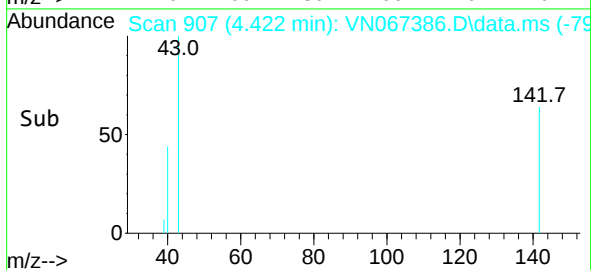
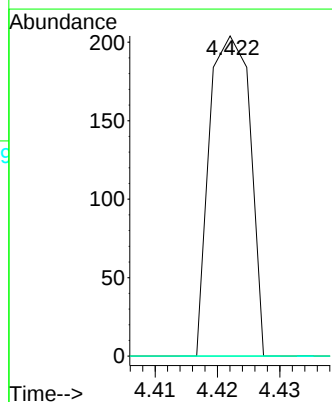
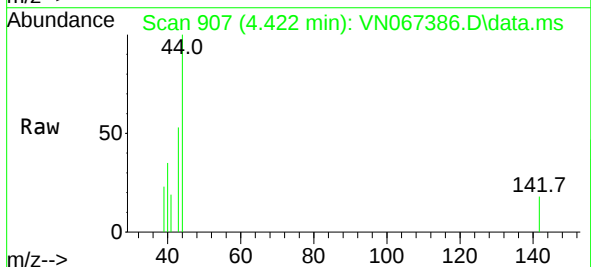
Instrument :
MSVOA_N
ClientSampled :

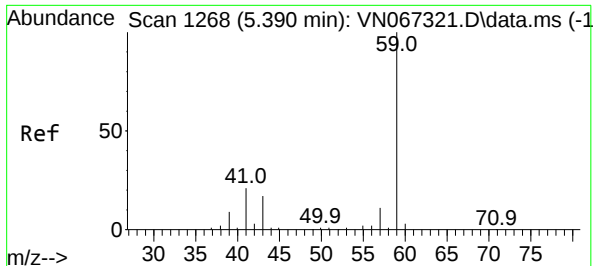
Tgt Ion:168 Resp: 312781
Ion Ratio Lower Upper
168 100
99 83.6 62.9 94.3



#10
Methyl Iodide
Concen: 6.764 ug/l
RT: 4.422 min Scan# 907
Delta R.T. 0.008 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

Tgt Ion:142 Resp: 92
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



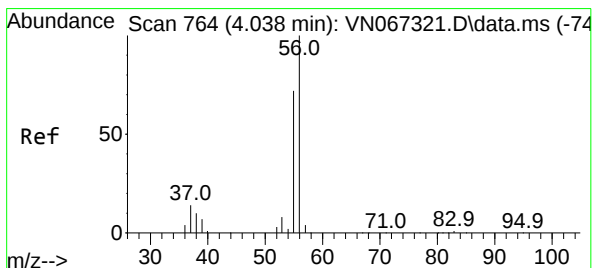
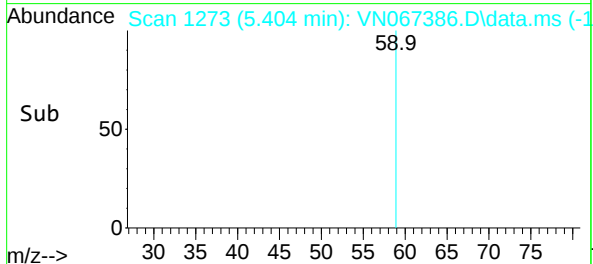
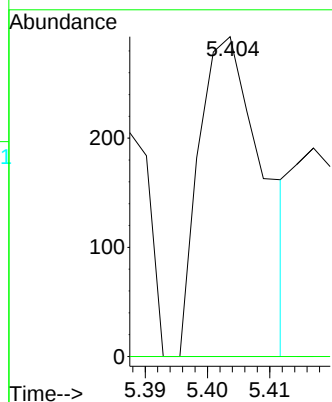
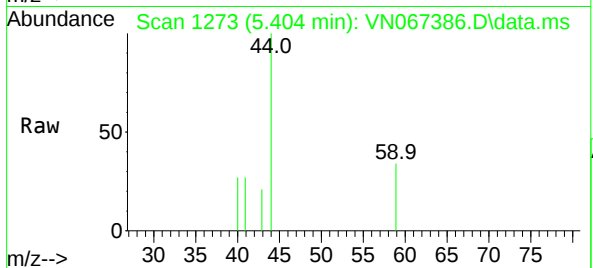


#11

Tert butyl alcohol
Concen: 0.207 ug/l
RT: 5.404 min Scan# 1273
Delta R.T. 0.014 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

Instrument :
MSVOA_N
ClientSampled :

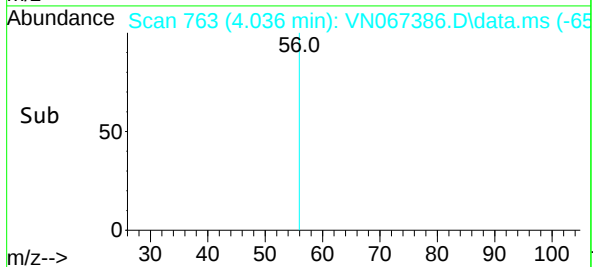
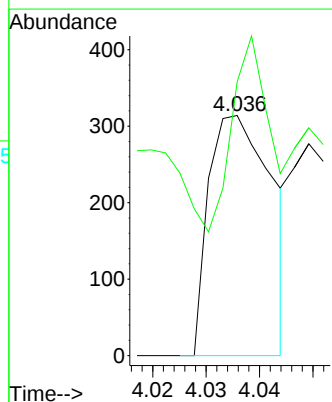
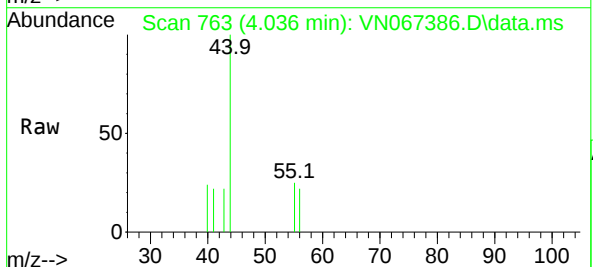
Tgt Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

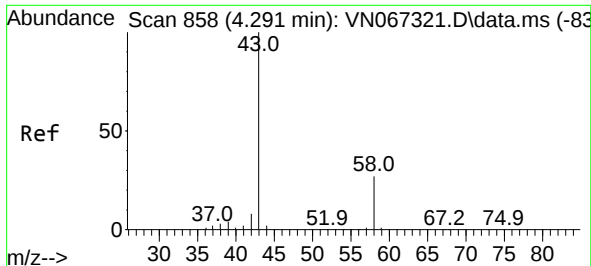


#13

Acrolein
Concen: 0.405 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.002 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

Tgt Ion: 56 Resp: 257
Ion Ratio Lower Upper
56 100
55 46.7 57.4 86.0#

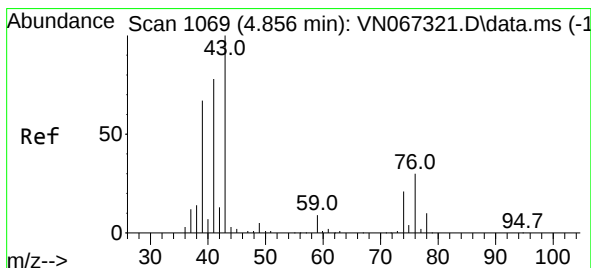
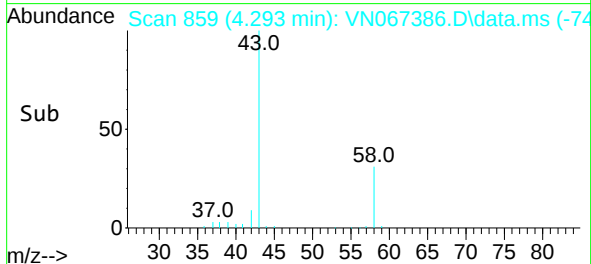
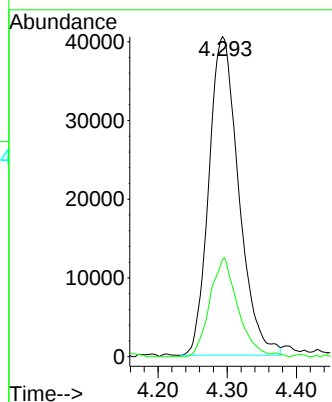
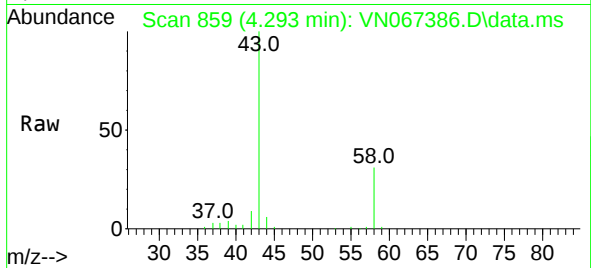




#16
Acetone
Concen: 51.256 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

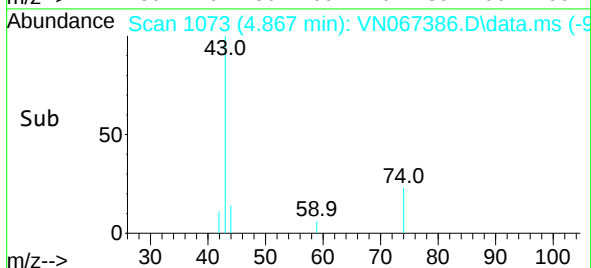
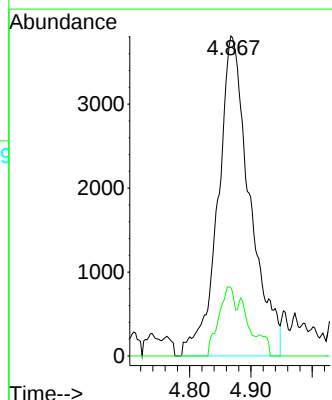
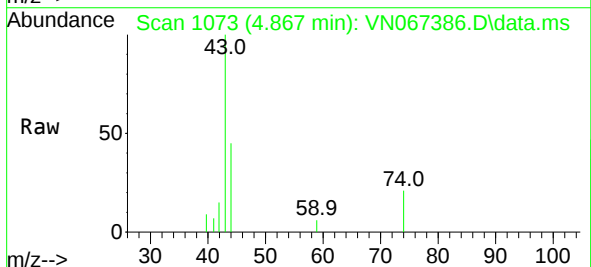
Instrument :
MSVOA_N
ClientSampled :

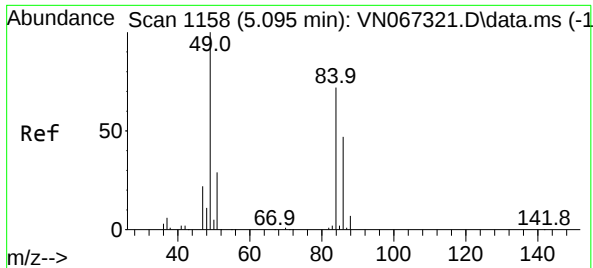
Tgt Ion: 43 Resp: 121368
Ion Ratio Lower Upper
43 100
58 30.6 21.2 31.8



#18
Methyl Acetate
Concen: 2.391 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.011 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

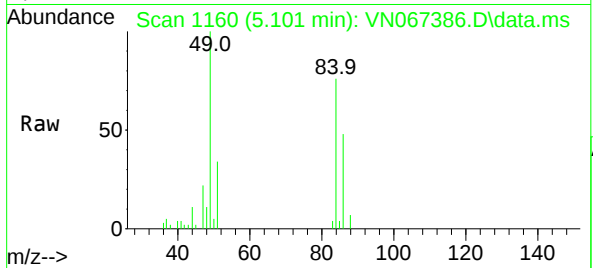
Tgt Ion: 43 Resp: 13729
Ion Ratio Lower Upper
43 100
74 10.8 17.4 26.0#



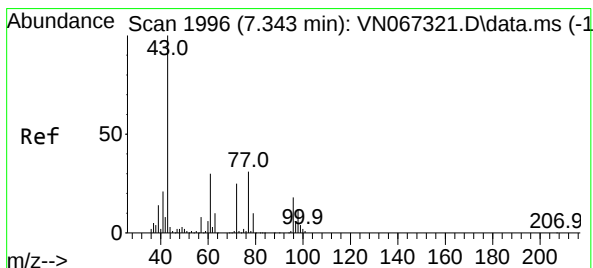
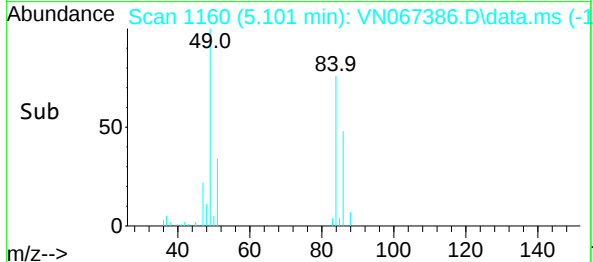
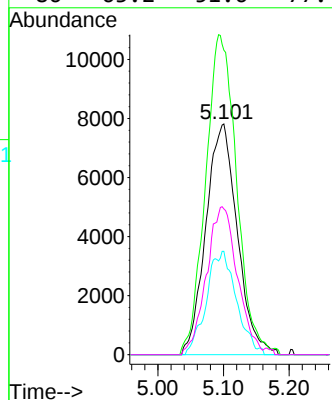


#20
Methylene Chloride
Concen: 5.279 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

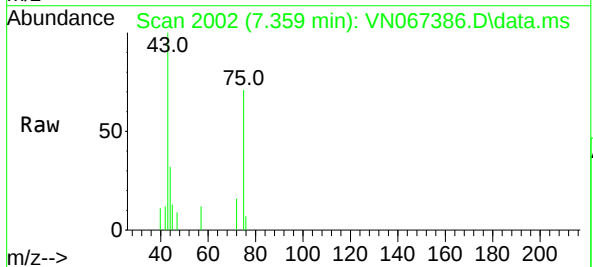
Instrument :
MSVOA_N
ClientSampled :



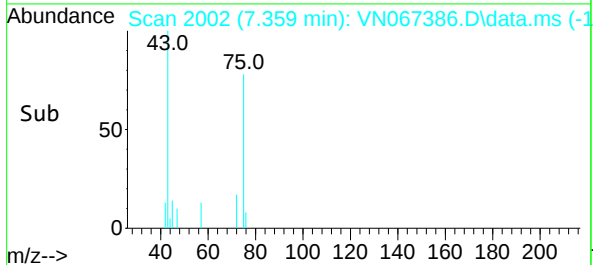
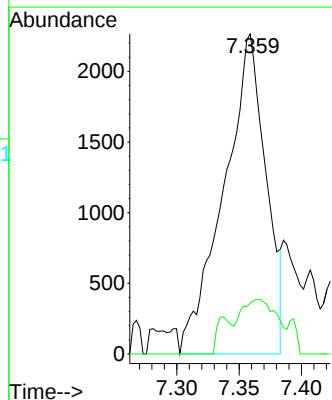
Tgt Ion:	84	Resp:	26007
Ion	Ratio	Lower	Upper
84	100		
49	131.9	110.9	166.3
51	44.8	32.6	49.0
86	63.2	51.6	77.4

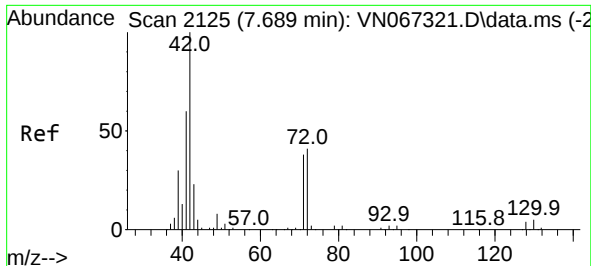


#25
2-Butanone
Concen: 1.568 ug/l
RT: 7.359 min Scan# 2002
Delta R.T. 0.016 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03



Tgt Ion:	43	Resp:	5307
Ion	Ratio	Lower	Upper
43	100		
72	15.8	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.246 ug/l

RT: 7.694 min Scan# 2127

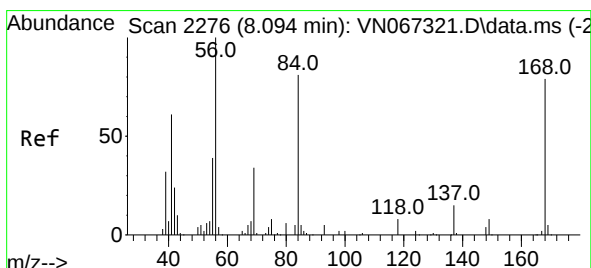
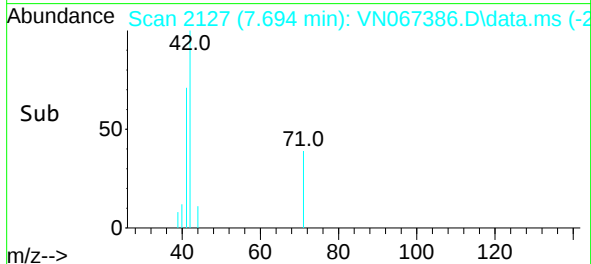
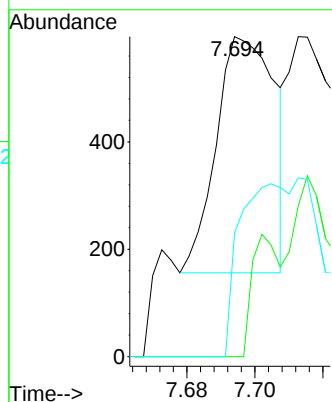
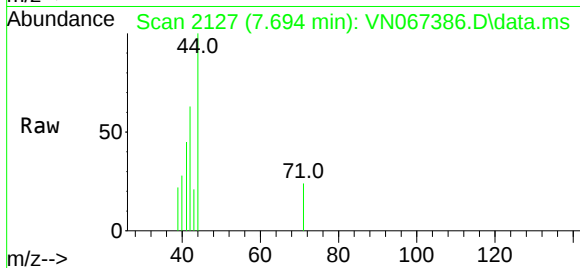
Delta R.T. 0.005 min

Lab File: VN067386.D

Acq: 17 Jun 2021 19:03

Tgt Ion: 42	Resp: 525
Ion Ratio	Lower Upper
42	100
72	24.0 32.8 49.2#
71	63.0 31.2 46.8#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.419 ug/l

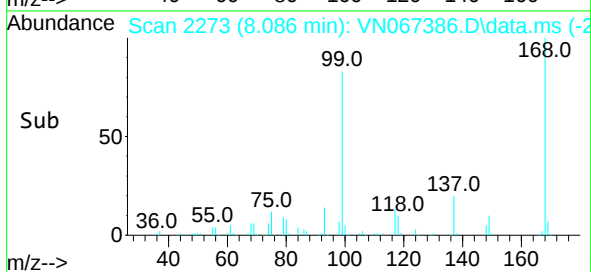
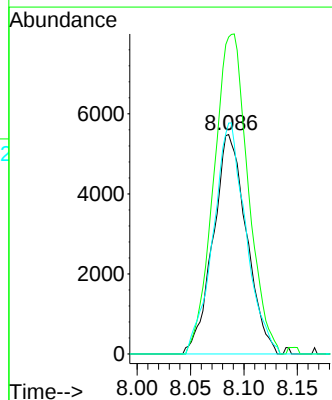
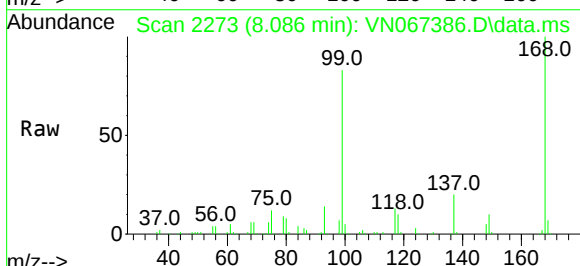
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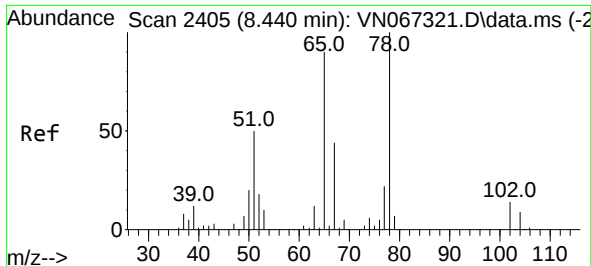
Delta R.T. -0.008 min

Lab File: VN067386.D

Acq: 17 Jun 2021 19:03

Tgt Ion: 56	Resp: 11902
Ion Ratio	Lower Upper
56	100
69	144.4 27.3 40.9#
84	105.2 64.9 97.3#

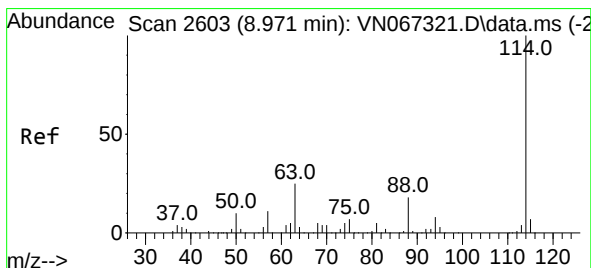
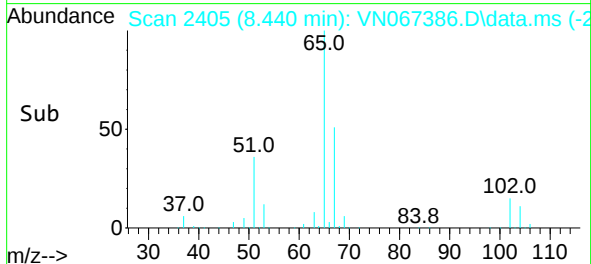
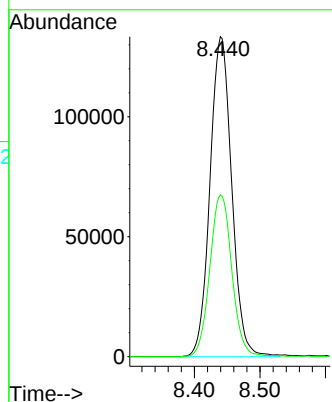
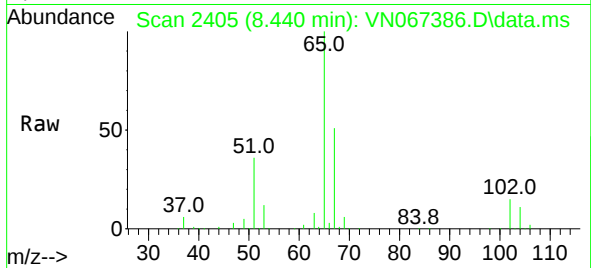




#33
 1,2-Dichloroethane-d4
 Concen: 49.708 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN067386.D
 Acq: 17 Jun 2021 19:03

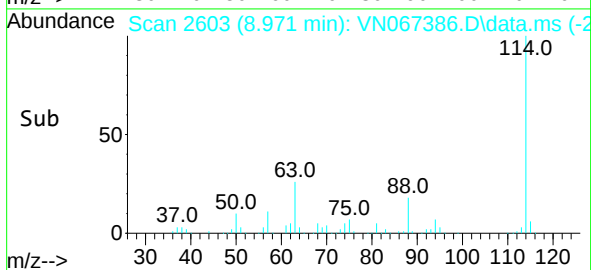
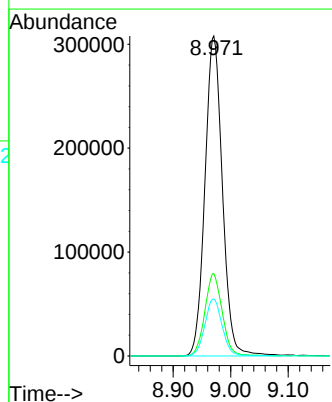
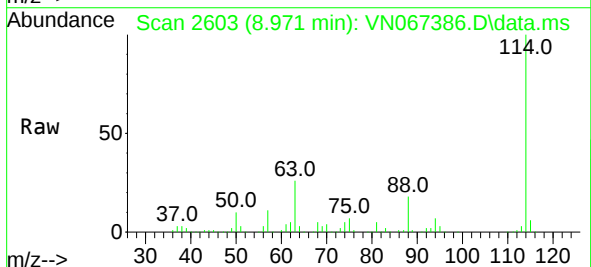
Instrument :
 MSVOA_N
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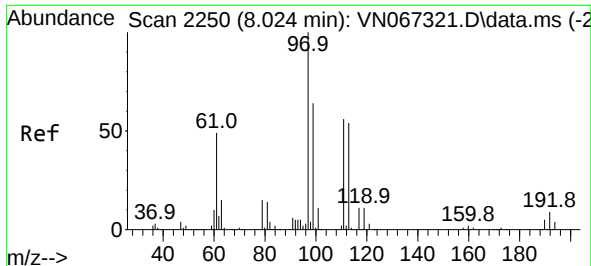
Tgt Ion: 65 Resp: 306714
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.000 min
 Lab File: VN067386.D
 Acq: 17 Jun 2021 19:03

Tgt Ion: 114 Resp: 648656
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 49.0
 88 17.8 0.0 36.6

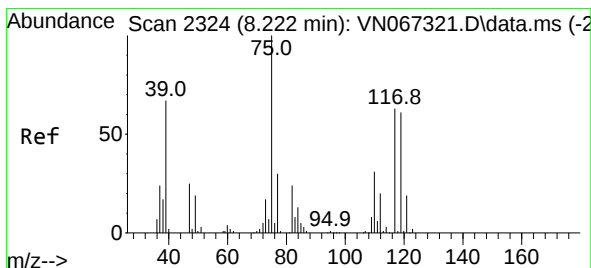
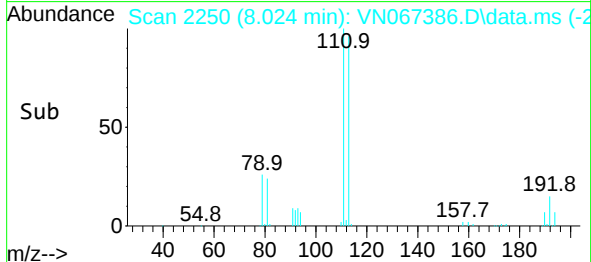
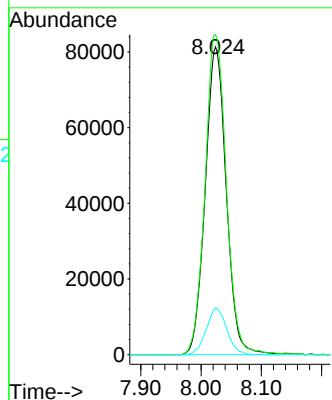
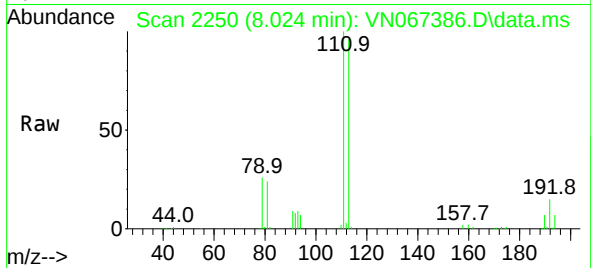




#35
Dibromofluoromethane
Concen: 45.662 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

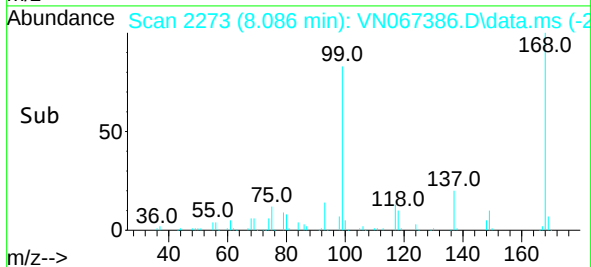
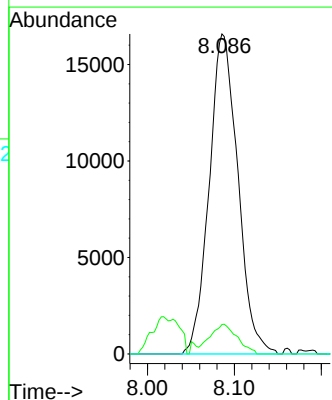
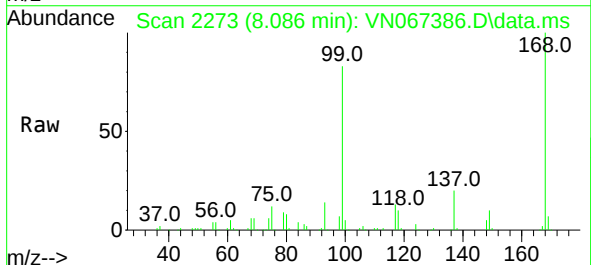
Instrument :
MSVOA_N
ClientSampled :

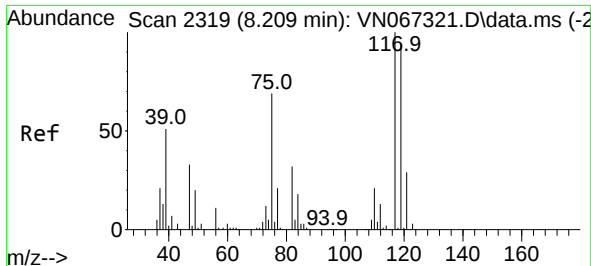
Tgt Ion:113 Resp: 196989
Ion Ratio Lower Upper
113 100
111 105.5 83.8 125.8
192 14.8 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.219 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

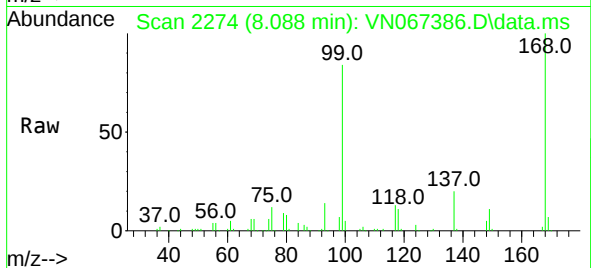
Tgt Ion: 75 Resp: 37951
Ion Ratio Lower Upper
75 100
110 8.8 15.7 47.0#
77 0.0 24.6 37.0#



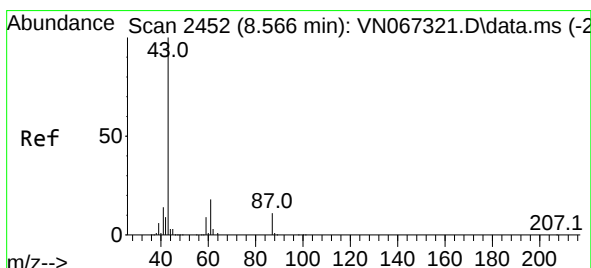
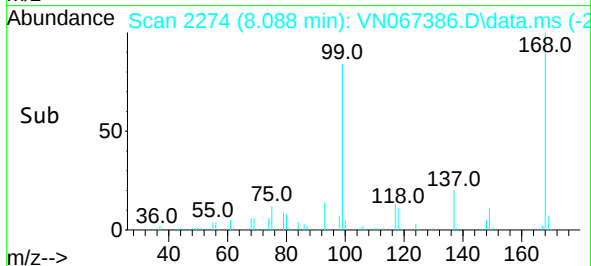
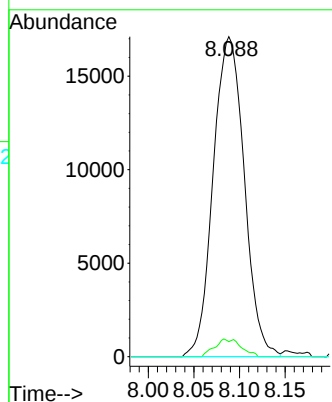


#38
Carbon Tetrachloride
Concen: 5.184 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

Instrument :
MSVOA_N
ClientSampled :

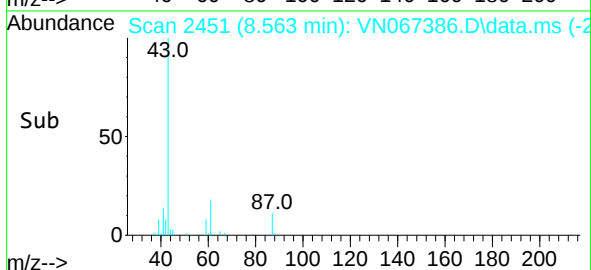
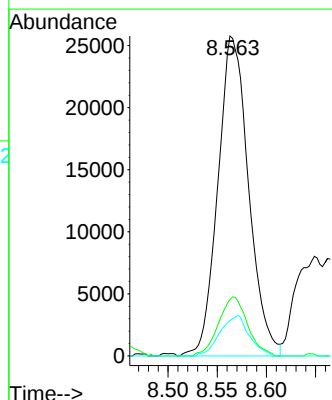
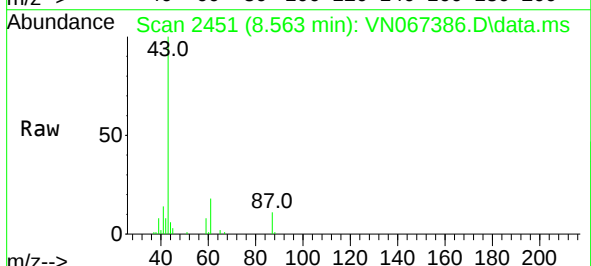


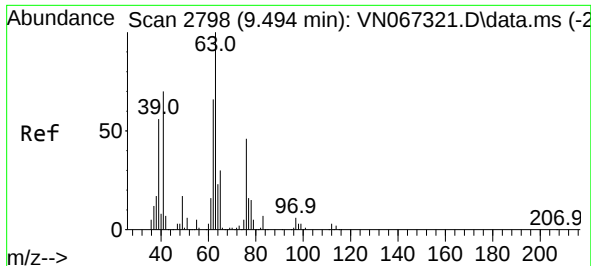
Tgt Ion:117 Resp: 40517
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 4.054 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. -0.003 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

Tgt Ion: 43 Resp: 56056
Ion Ratio Lower Upper
43 100
61 17.4 19.0 28.4#
87 11.9 9.5 14.3



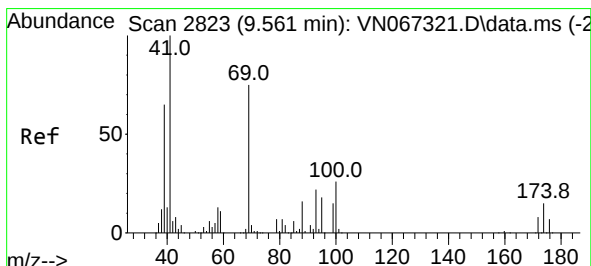
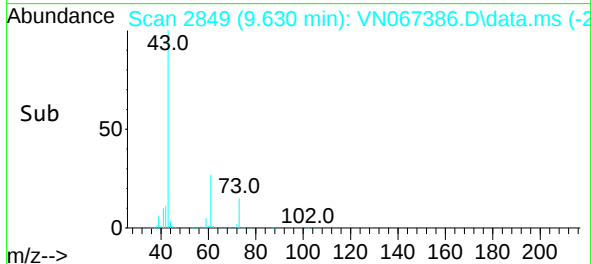
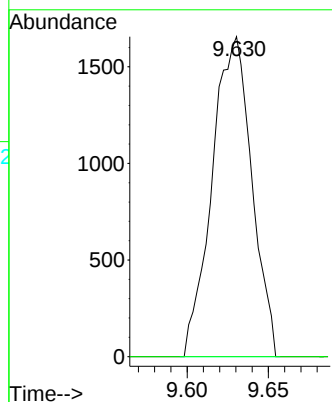
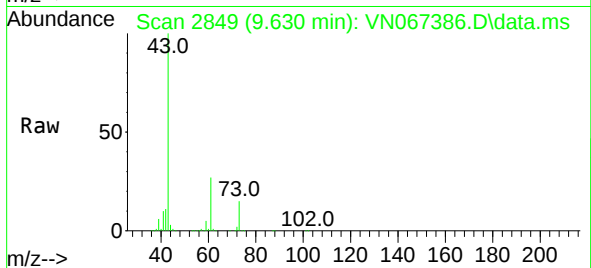


#45

1,2-Dichloropropane
Concen: 0.520 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.136 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

Instrument :
MSVOA_N
ClientSampled :

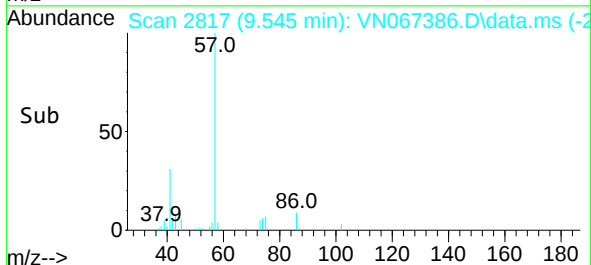
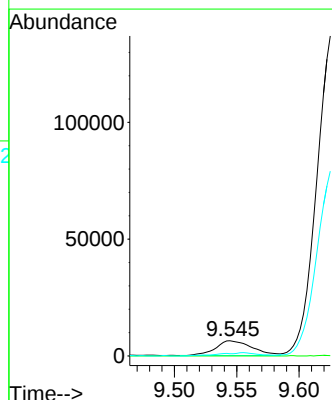
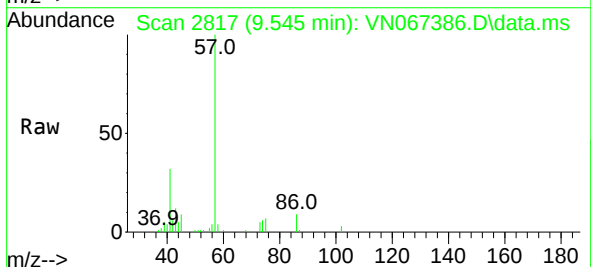
Tgt Ion: 63 Resp: 2816
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

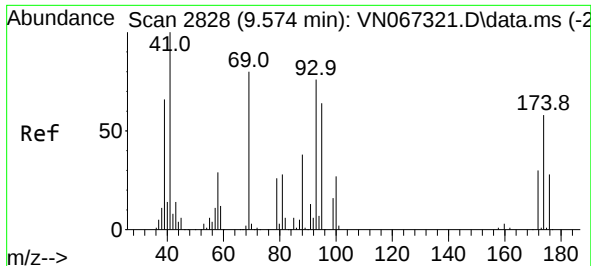


#48

Methyl methacrylate
Concen: 2.042 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

Tgt Ion: 41 Resp: 12875
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: 2.630 ug/l

RT: 9.625 min Scan# 2847

Delta R.T. 0.051 min

Lab File: VN067386.D

Acq: 17 Jun 2021 19:03

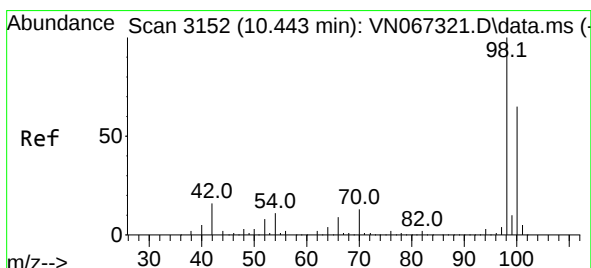
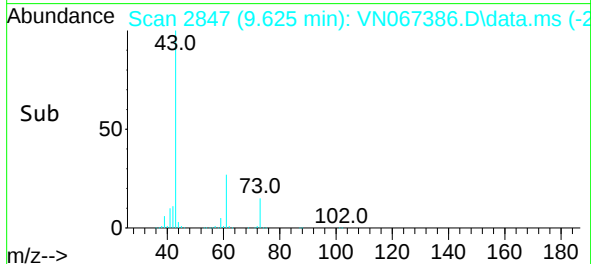
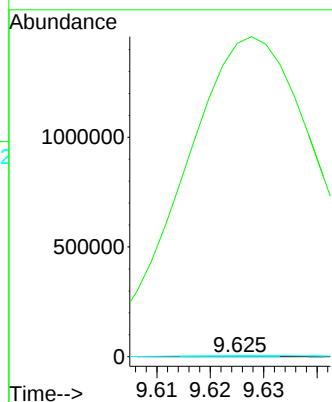
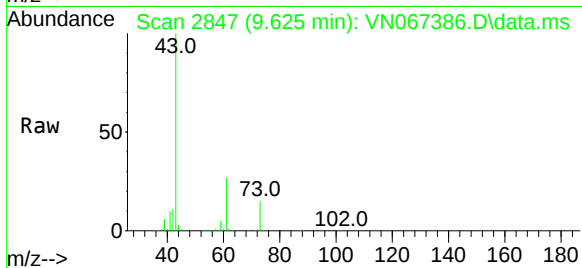
Tgt Ion: 88 Resp: 227

Ion Ratio Lower Upper

88 100

43 1226885.9 28.8 43.2#

58 4483.7 60.4 90.6#



#50

Toluene-d8

Concen: 50.672 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN067386.D

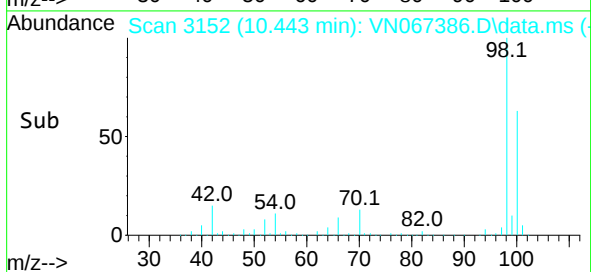
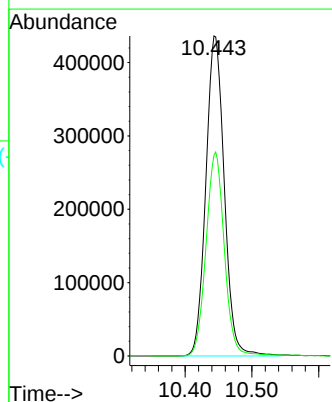
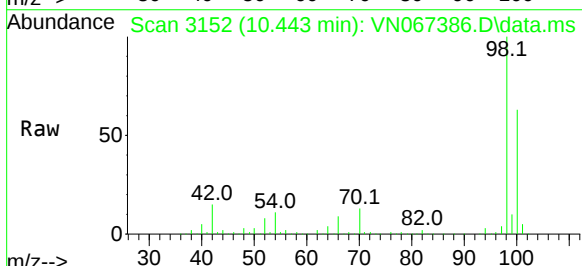
Acq: 17 Jun 2021 19:03

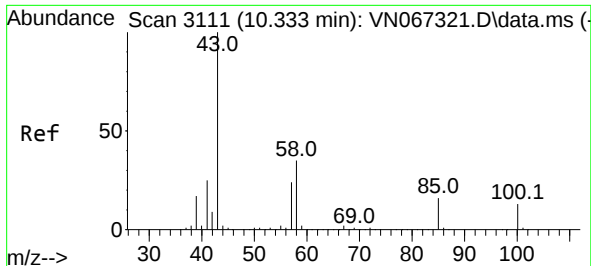
Tgt Ion: 98 Resp: 837866

Ion Ratio Lower Upper

98 100

100 63.1 51.7 77.5

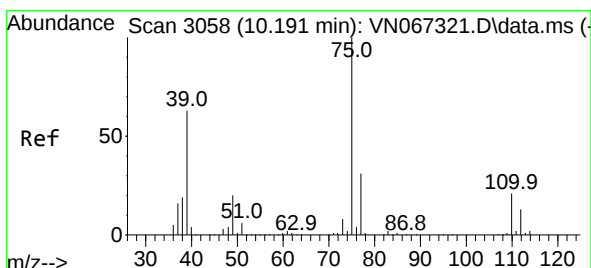
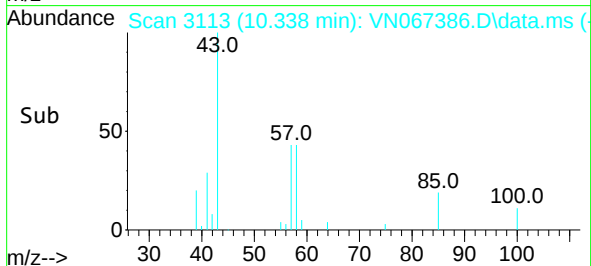
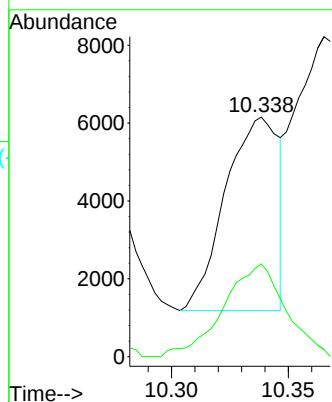
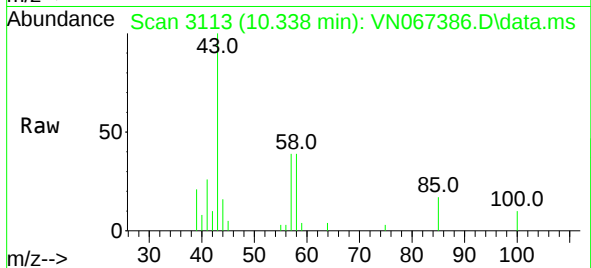




#51
4-Methyl-2-Pentanone
Concen: 0.986 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

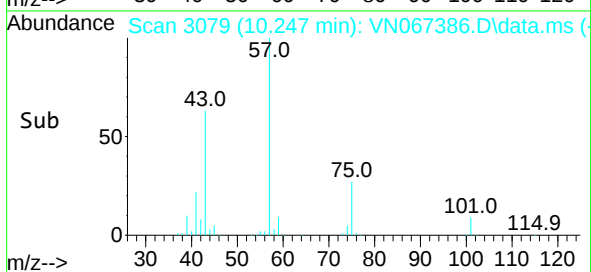
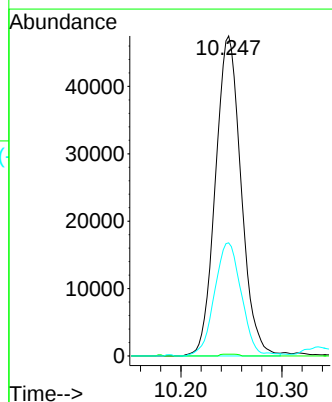
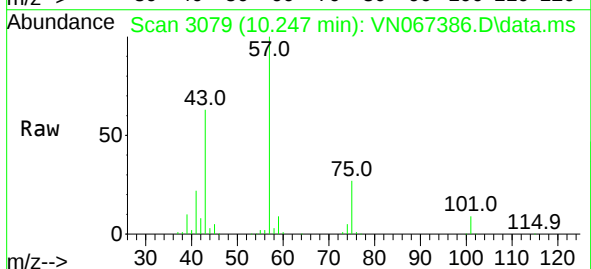
Instrument :
MSVOA_N
ClientSampled :

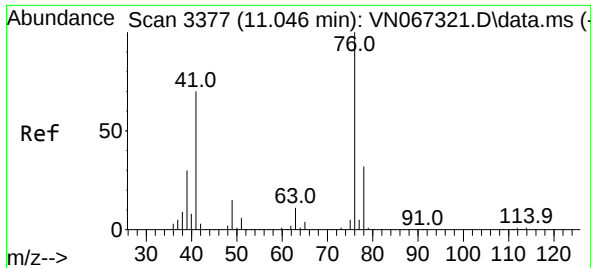
Tgt Ion: 43 Resp: 7849
Ion Ratio Lower Upper
43 100
58 55.9 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 9.054 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

Tgt Ion: 75 Resp: 83714
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 35.4 50.7 76.1#

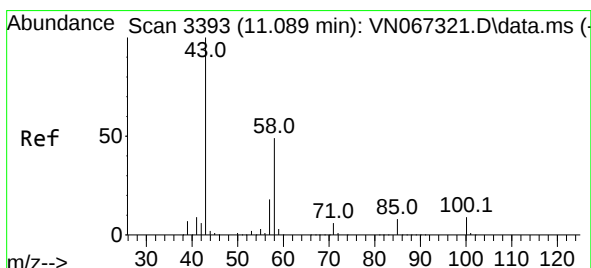
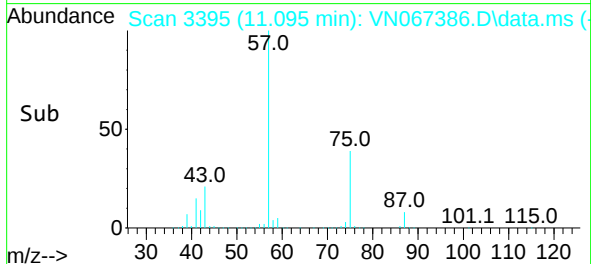
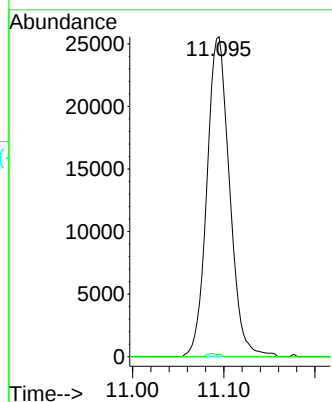
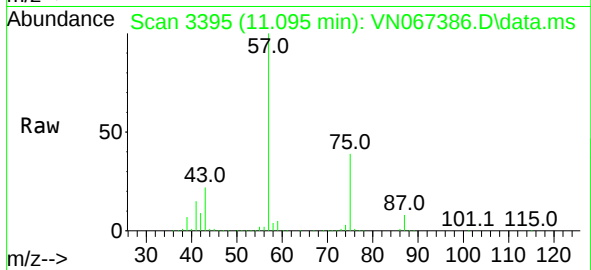




#57
1,3-Dichloropropane
Concen: 4.899 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

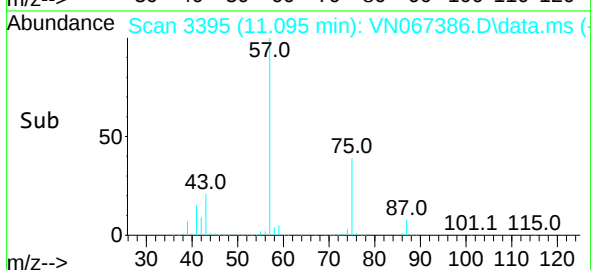
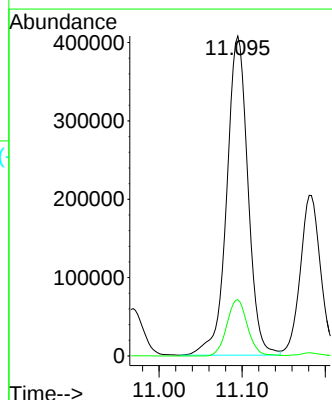
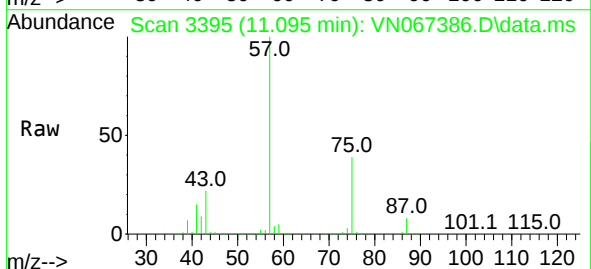
Instrument :
MSVOA_N
ClientSampled :

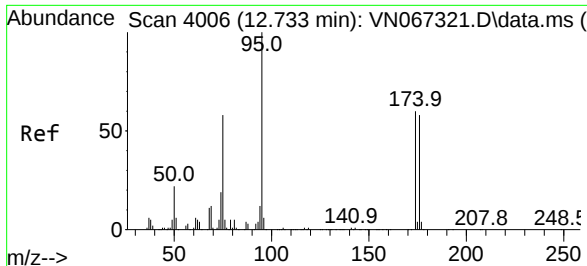
Tgt Ion: 76 Resp: 44162
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#



#59
2-Hexanone
Concen: 124.156 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

Tgt Ion: 43 Resp: 724188
Ion Ratio Lower Upper
43 100
58 17.2 24.7 74.1#

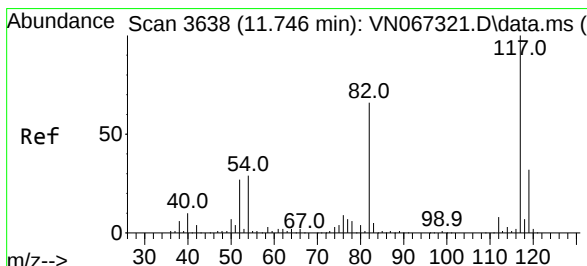
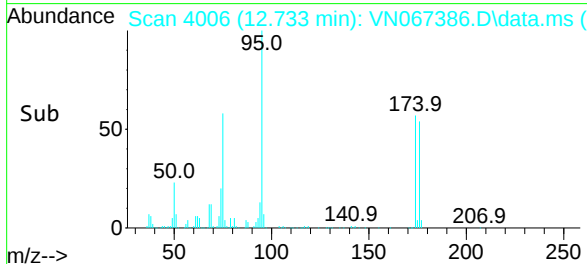
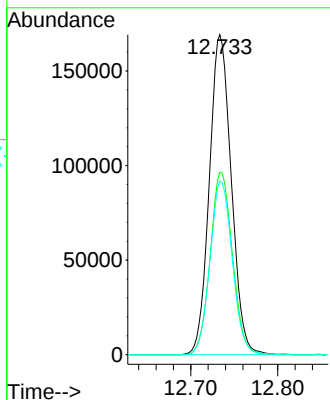
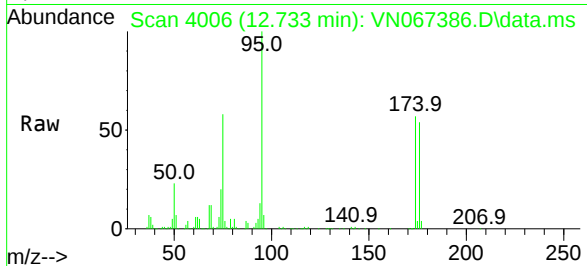




#62
4-Bromofluorobenzene
Concen: 43.511 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

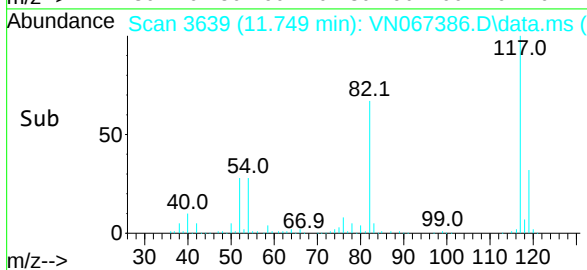
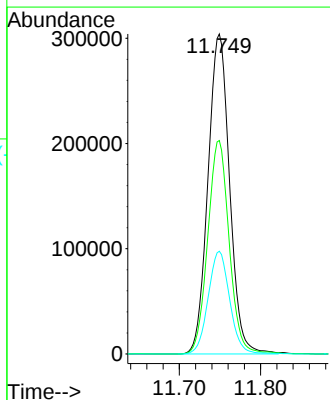
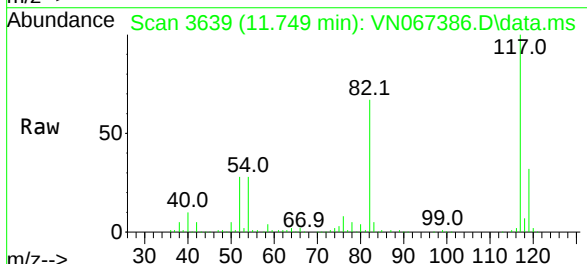
Instrument :
MSVOA_N
ClientSampled :

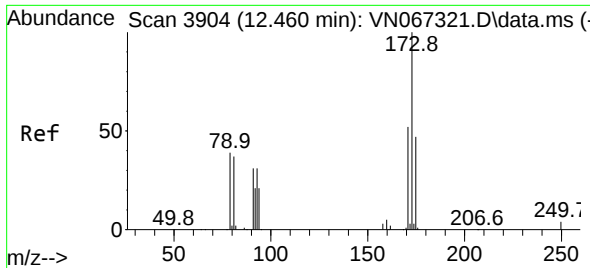
Tgt Ion: 95 Resp: 296909
Ion Ratio Lower Upper
95 100
174 57.8 0.0 122.0
176 55.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

Tgt Ion: 117 Resp: 562194
Ion Ratio Lower Upper
117 100
82 66.7 53.1 79.7
119 32.1 25.5 38.3

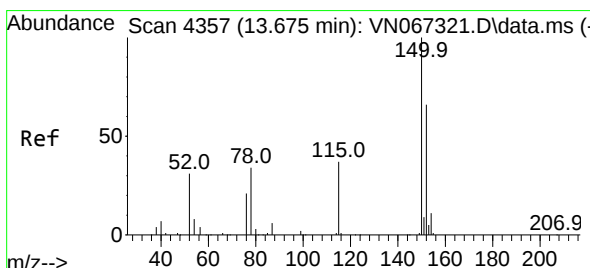
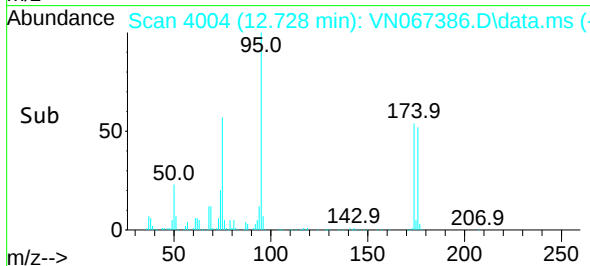
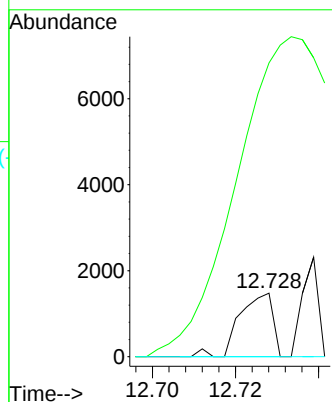
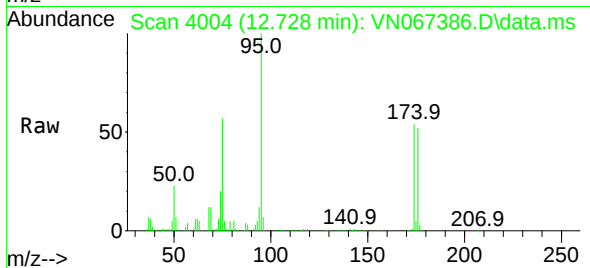




#71
Bromoform
Concen: 0.235 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

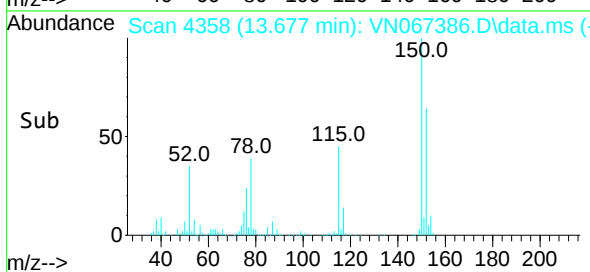
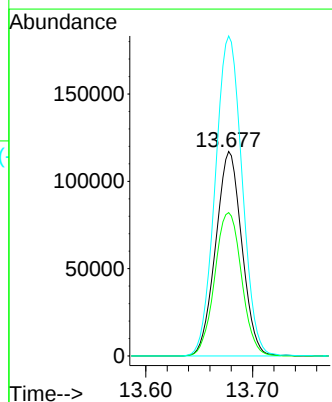
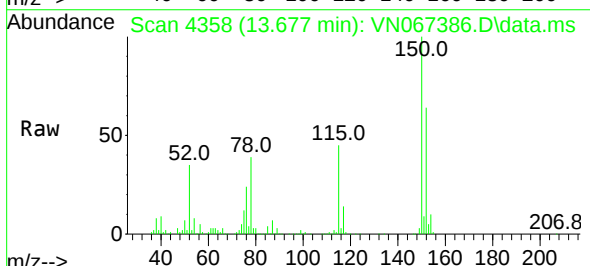
Instrument :
MSVOA_N
ClientSampleId :

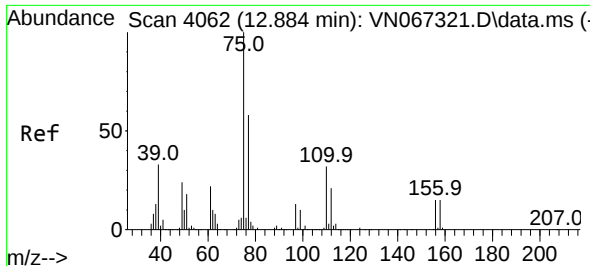
Tgt Ion:173 Resp: 817
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

Tgt Ion:152 Resp: 199546
Ion Ratio Lower Upper
152 100
115 72.0 36.1 108.5
150 160.9 0.0 351.8

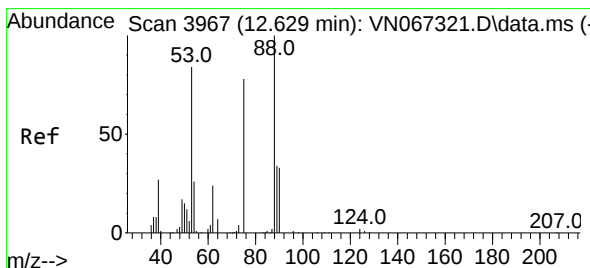
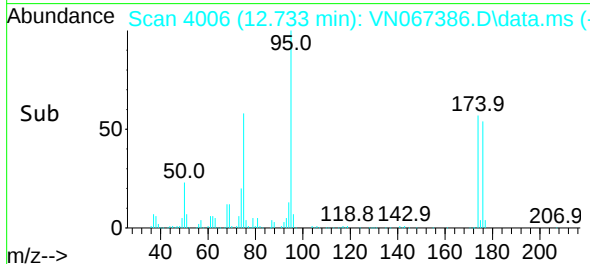
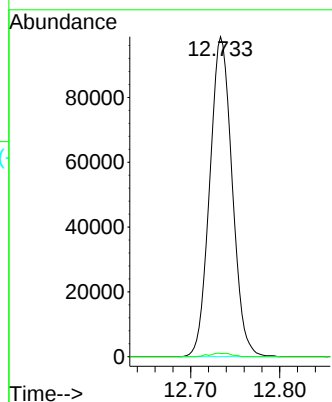
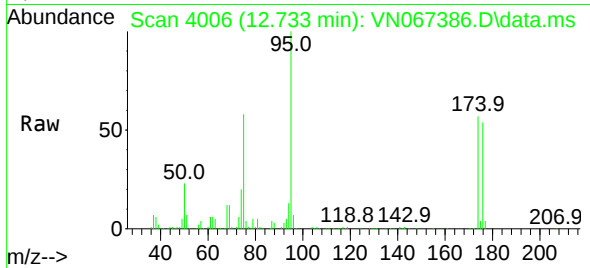




#76
1,2,3-Trichloropropane
Concen: 33.291 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

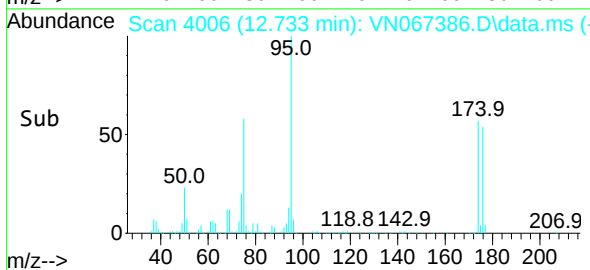
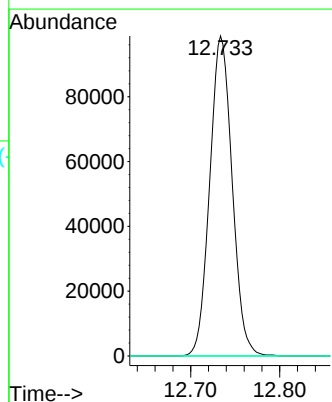
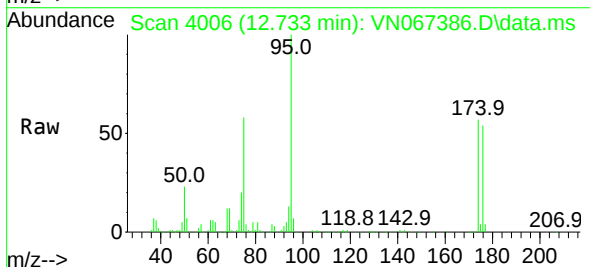
Instrument :
MSVOA_N
ClientSampled :

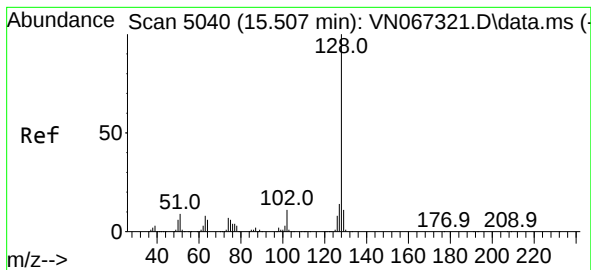
Tgt Ion: 75 Resp: 172509
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.505 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

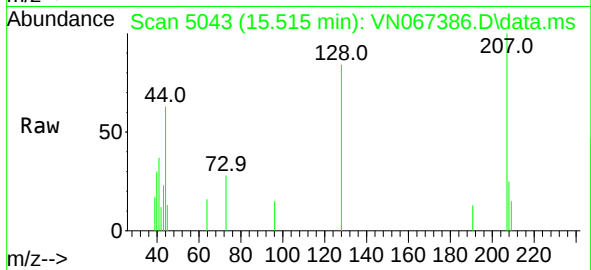
Tgt Ion: 75 Resp: 172509
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 2.761 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN067386.D
Acq: 17 Jun 2021 19:03

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	1961
Ion	Ratio	Lower	Upper
128	100		
127	3.0	10.6	15.8#
129	0.0	8.6	12.8#

