

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068980.D
 Acq On : 18 Oct 2021 15:34
 Operator : JC/MD
 Sample : M4243-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:36:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	348350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	599348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	570353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	206510	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	222567	48.459	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.920%
35) Dibromofluoromethane	8.024	113	179012	51.336	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.680%
50) Toluene-d8	10.443	98	750576	53.796	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.600%
62) 4-Bromofluorobenzene	12.733	95	258110	49.033	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.060%

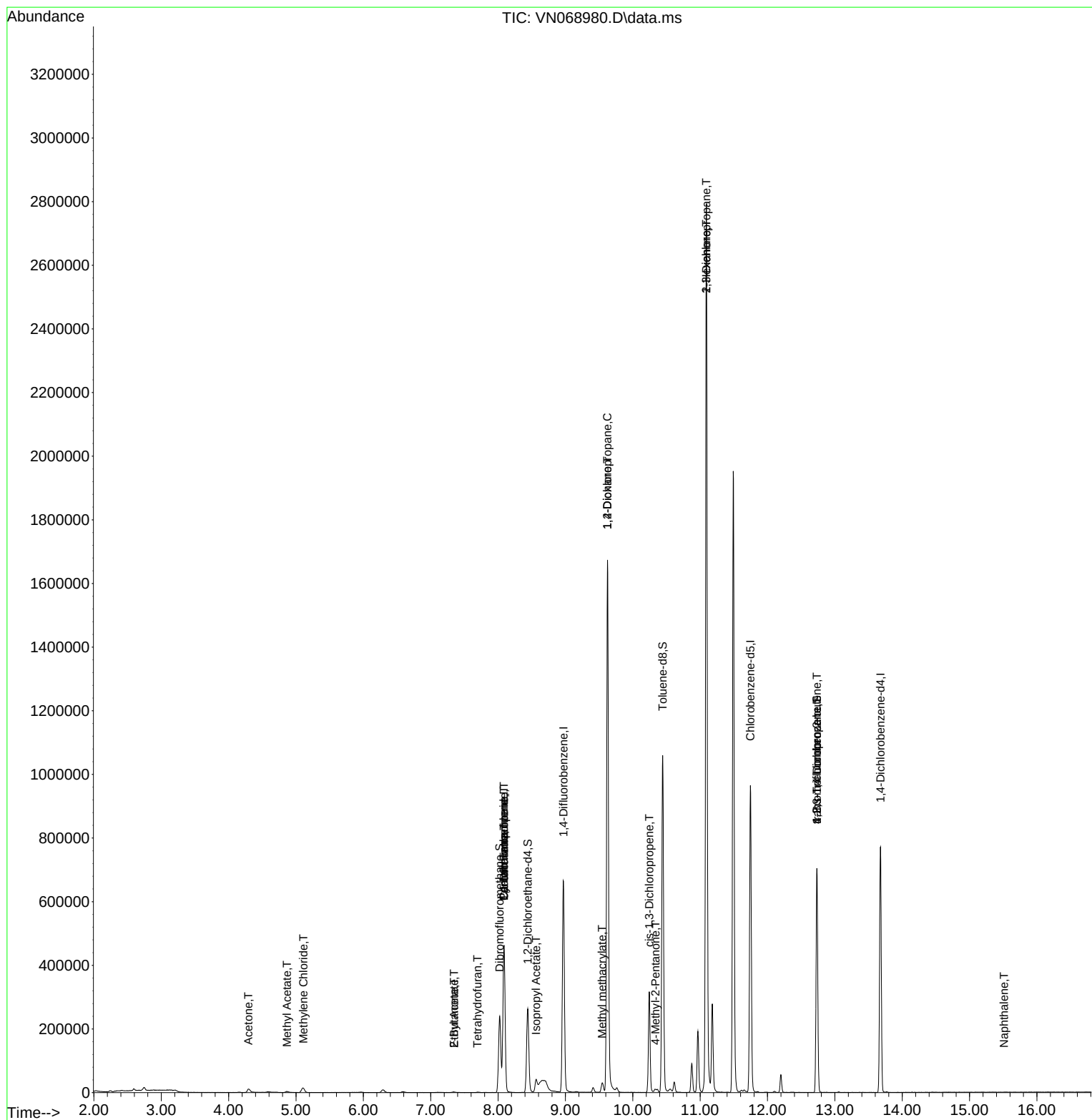
Target Compounds					Qvalue	
16) Acetone	4.293	43	21156	12.343	ug/l	100
18) Methyl Acetate	4.867	43	7409	1.140	ug/l	92
20) Methylene Chloride	5.109	84	12270	3.110	ug/l	94
25) 2-Butanone	7.345	43	3850	1.485	ug/l	97
29) Tetrahydrofuran	7.694	42	626	0.372	ug/l #	46
31) Cyclohexane	8.088	56	8400	1.176	ug/l #	13
36) 1,1-Dichloropropene	8.088	75	28577	5.582	ug/l #	50
37) Ethyl Acetate	7.345	43	3850	0.728	ug/l #	68
38) Carbon Tetrachloride	8.088	117	36079	6.417	ug/l #	15
43) Isopropyl Acetate	8.566	43	50133	5.374	ug/l #	82
45) 1,2-Dichloropropane	9.622	63	2169	0.536	ug/l #	43
48) Methyl methacrylate	9.545	41	8073	1.842	ug/l #	13
49) 1,4-Dioxane	9.622	88	53	36.232	ug/l #	1
51) 4-Methyl-2-Pentanone	10.338	43	5398	0.998	ug/l #	85
54) cis-1,3-Dichloropropene	10.245	75	59358	8.802	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	30326	4.651	ug/l #	42
59) 2-Hexanone	11.092	43	429991	110.847	ug/l #	50
76) 1,2,3-Trichloropropane	12.733	75	134017	30.500	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	134017	72.970	ug/l #	12
95) Naphthalene	15.509	128	358	3.846	ug/l #	69

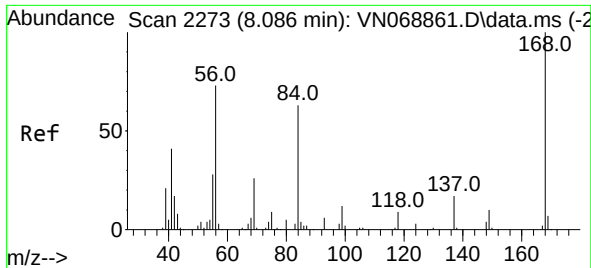
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

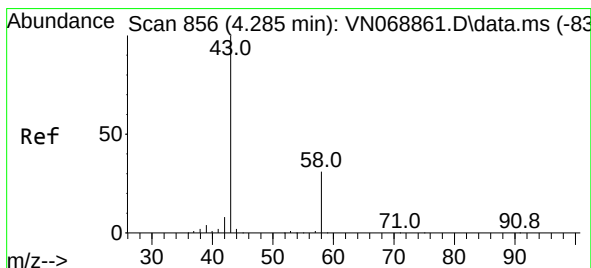
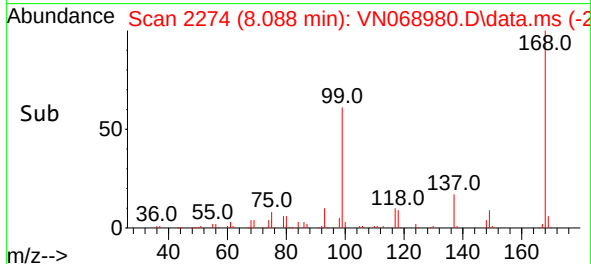
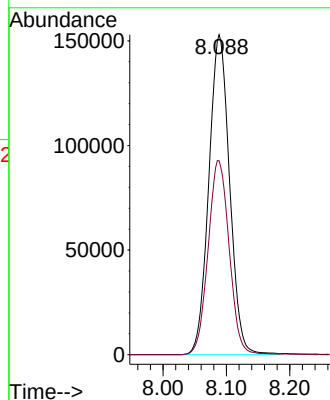
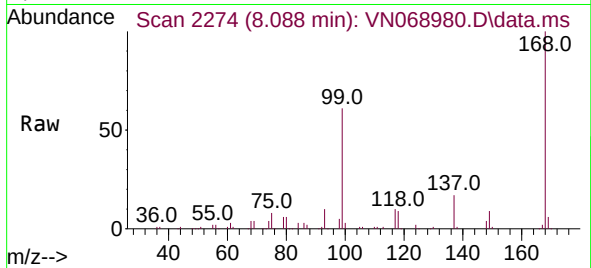




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

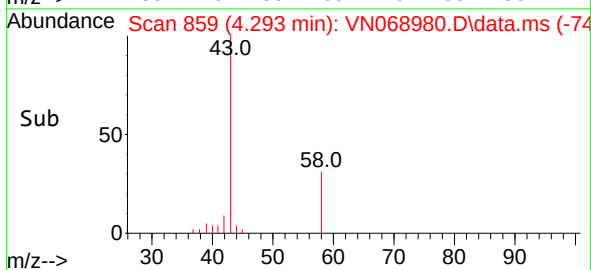
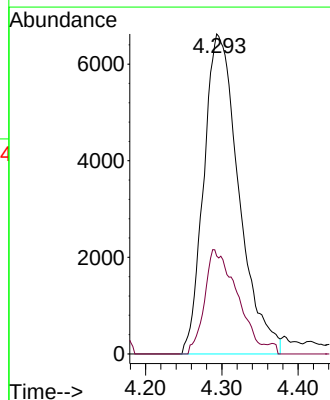
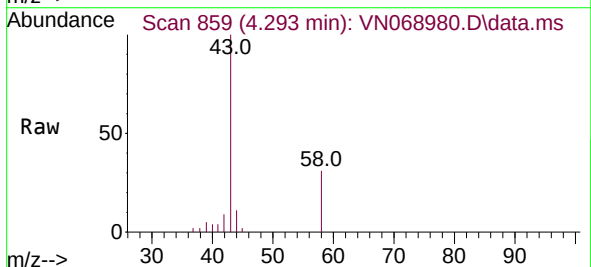
Instrument :
MSVOA_N
ClientSampled :

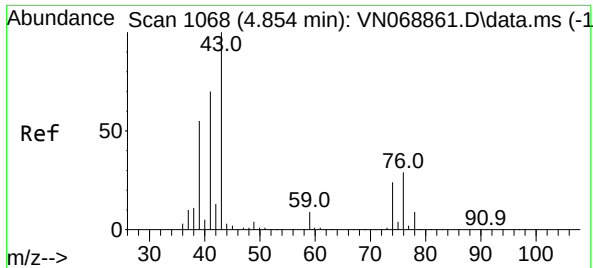
Tgt Ion:168 Resp: 348350
Ion Ratio Lower Upper
168 100
99 60.6 48.9 73.3



#16
Acetone
Concen: 12.343 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

Tgt Ion: 43 Resp: 21156
Ion Ratio Lower Upper
43 100
58 30.6 24.5 36.7

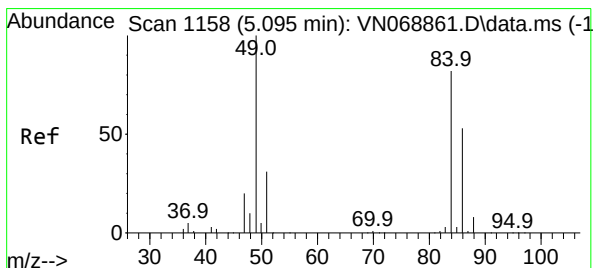
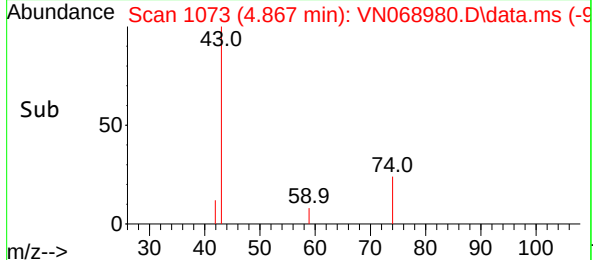
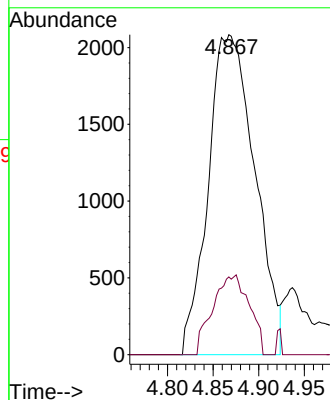
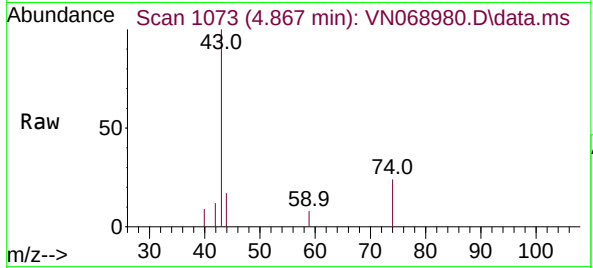




#18
Methyl Acetate
Concen: 1.140 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

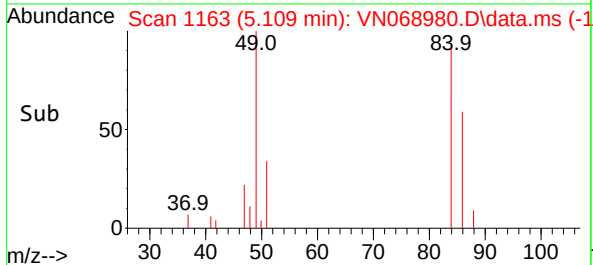
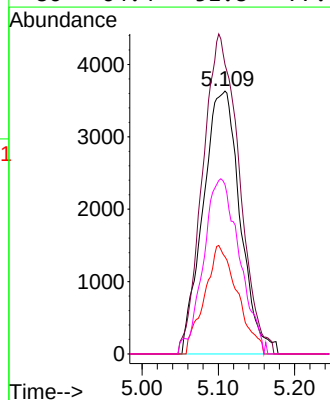
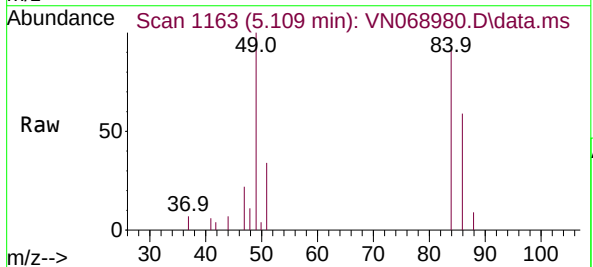
Instrument :
MSVOA_N
ClientSampled :

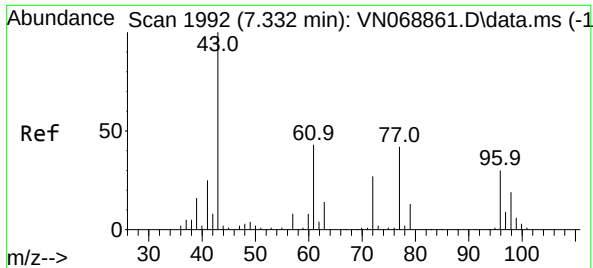
Tgt Ion: 43 Resp: 7409
Ion Ratio Lower Upper
43 100
74 19.5 18.9 28.3



#20
Methylene Chloride
Concen: 3.110 ug/l
RT: 5.109 min Scan# 1163
Delta R.T. 0.013 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

Tgt Ion: 84 Resp: 12270
Ion Ratio Lower Upper
84 100
49 110.1 97.6 146.4
51 37.0 30.3 45.5
86 64.4 51.8 77.6

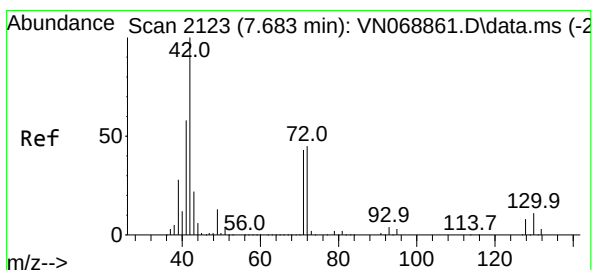
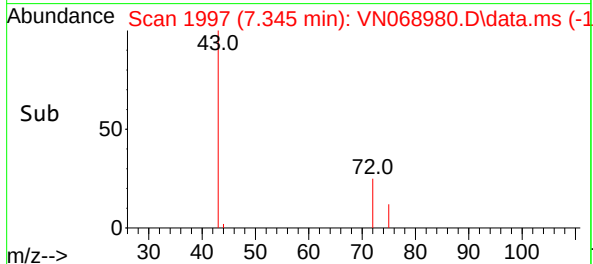
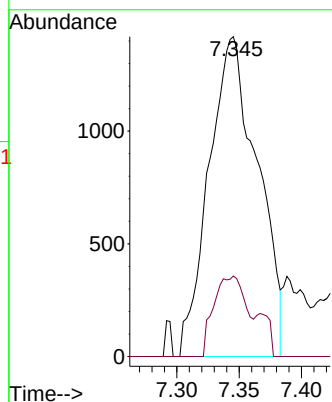
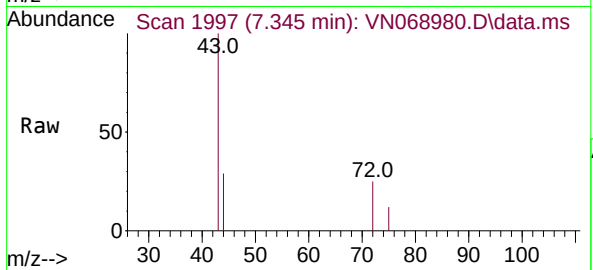




#25
2-Butanone
Concen: 1.485 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

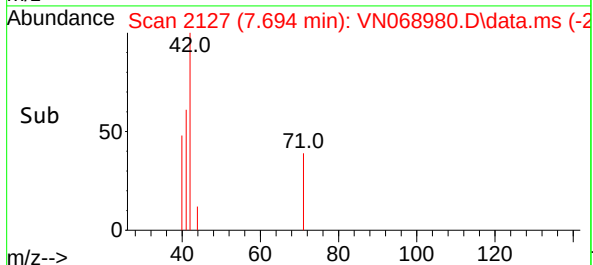
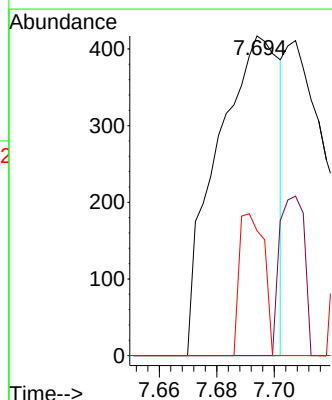
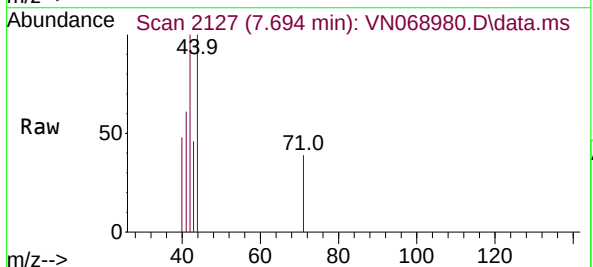
Instrument :
MSVOA_N
ClientSampled :

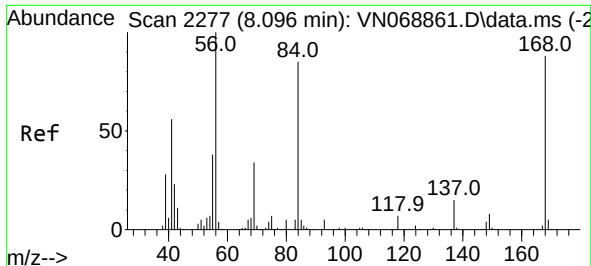
Tgt Ion: 43 Resp: 3850
Ion Ratio Lower Upper
43 100
72 25.2 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.372 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.011 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

Tgt Ion: 42 Resp: 626
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 17.6 33.8 50.6#

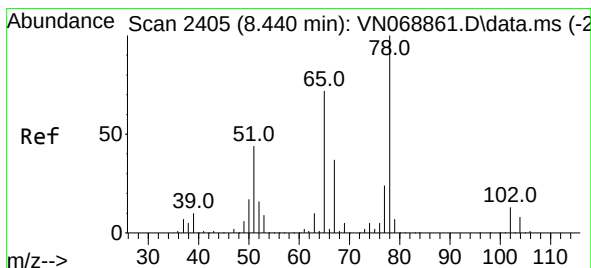
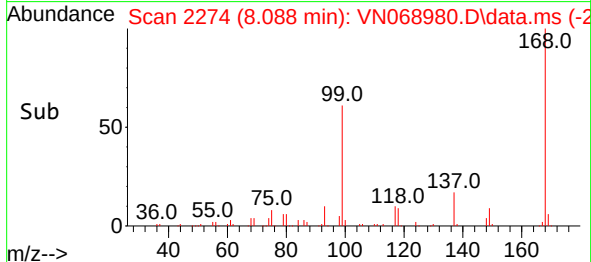
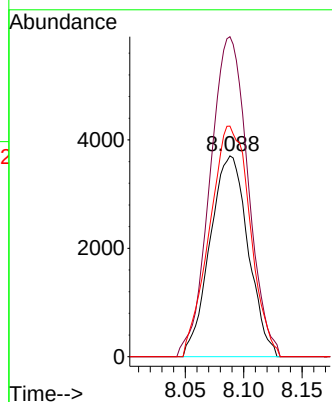
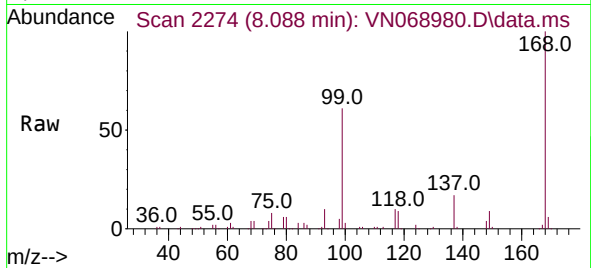




#31
Cyclohexane
Concen: 1.176 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

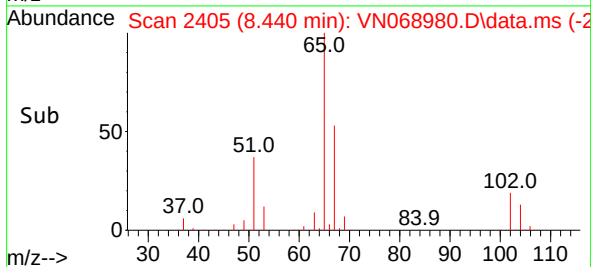
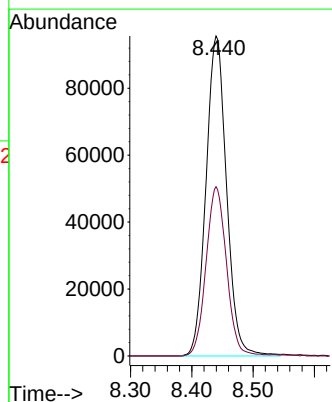
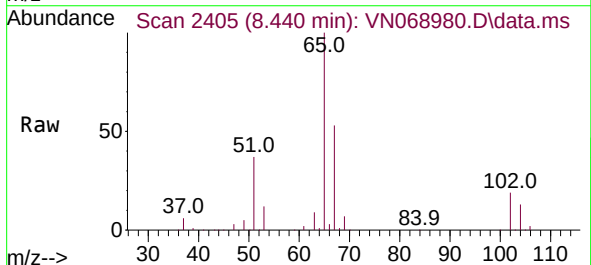
Instrument :
MSVOA_N
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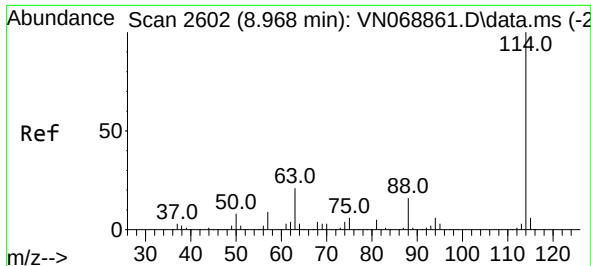
Tgt Ion: 56 Resp: 8400
Ion Ratio Lower Upper
56 100
69 159.3 26.9 40.3#
84 114.8 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.459 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

Tgt Ion: 65 Resp: 222567
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.8

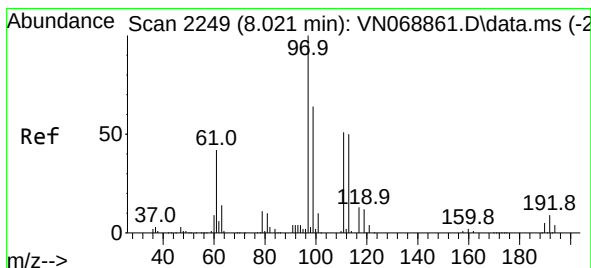
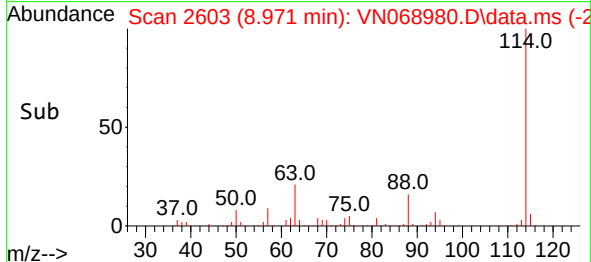
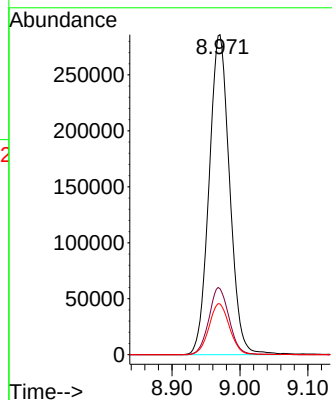
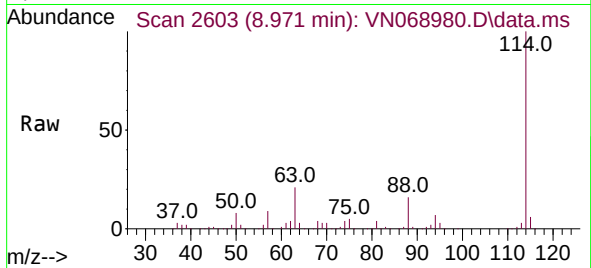




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

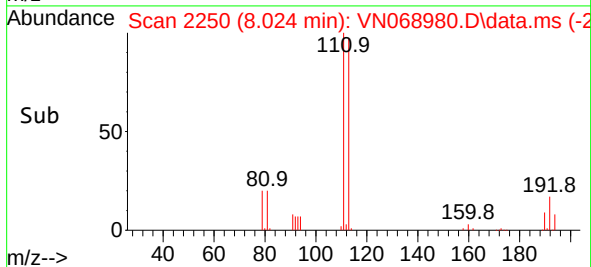
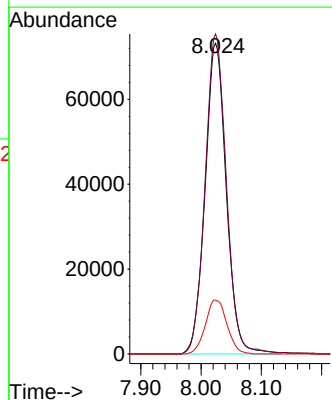
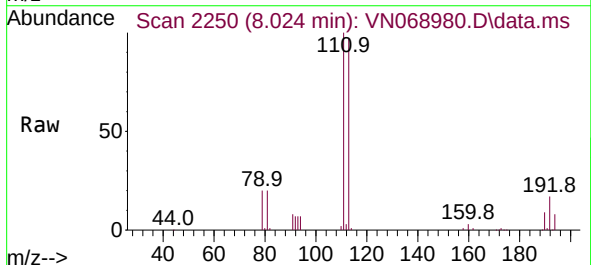
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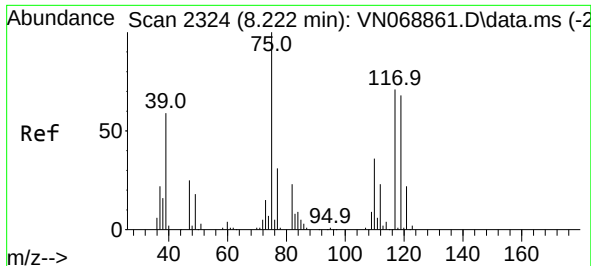
Tgt Ion:114 Resp: 599348
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.6
88 15.8 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.336 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

Tgt Ion:113 Resp: 179012
Ion Ratio Lower Upper
113 100
111 102.2 83.2 124.8
192 17.7 15.0 22.4

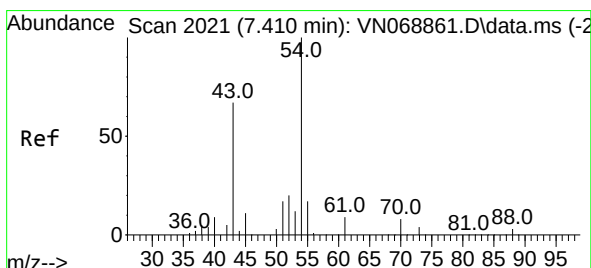
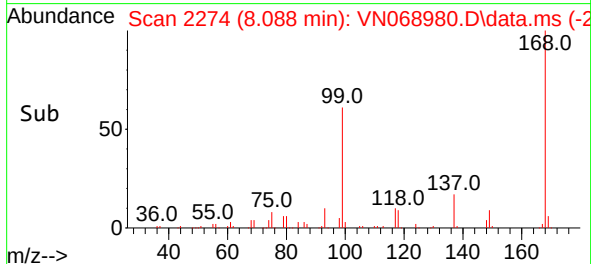
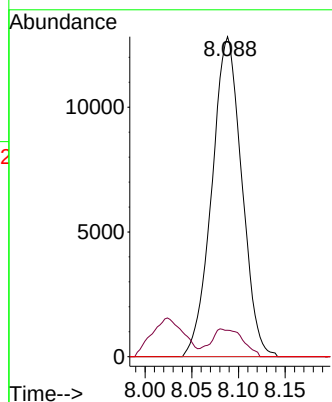
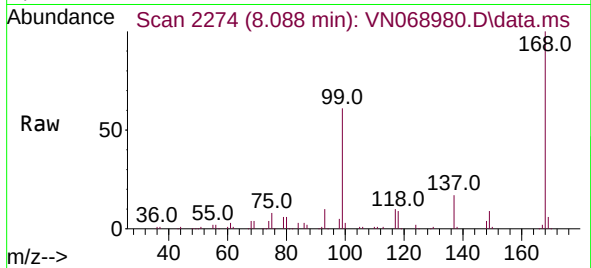




#36
1,1-Dichloropropene
Concen: 5.582 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

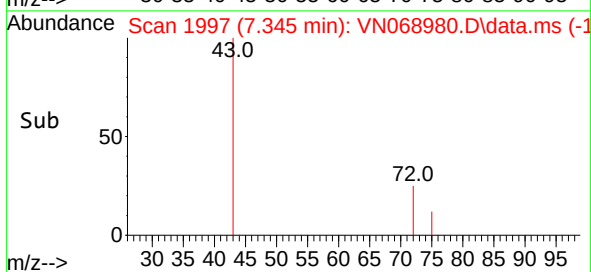
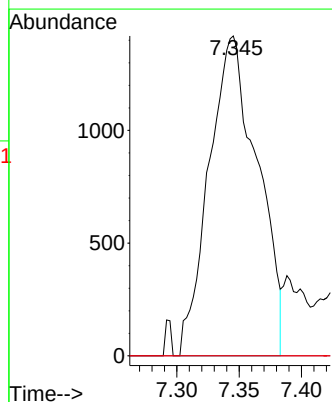
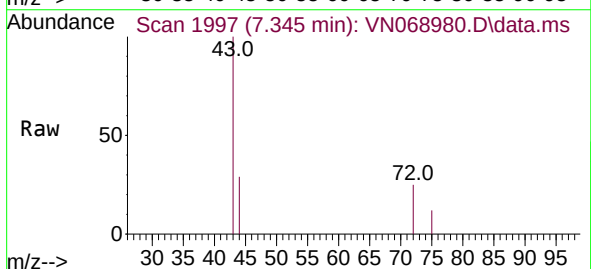
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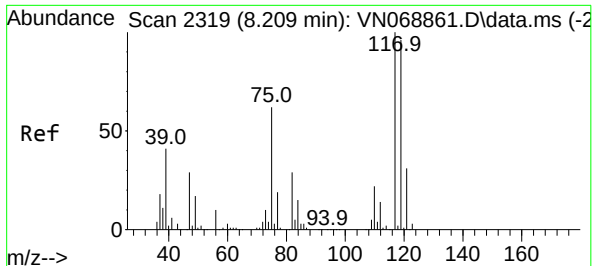
Tgt Ion: 75 Resp: 28577
Ion Ratio Lower Upper
75 100
110 9.2 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.728 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.064 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

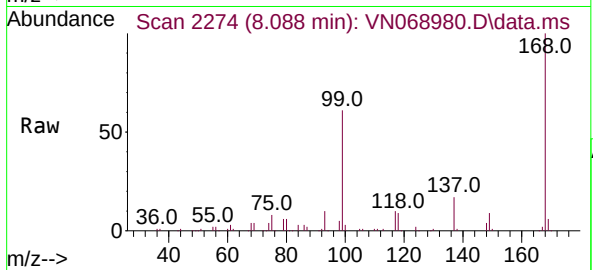
Tgt Ion: 43 Resp: 3850
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



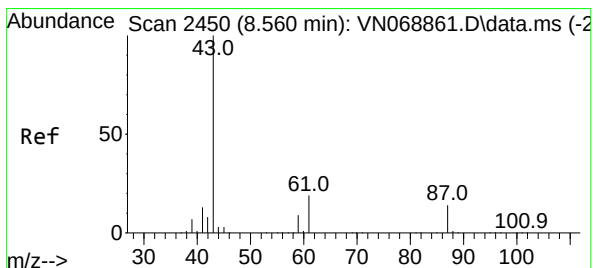
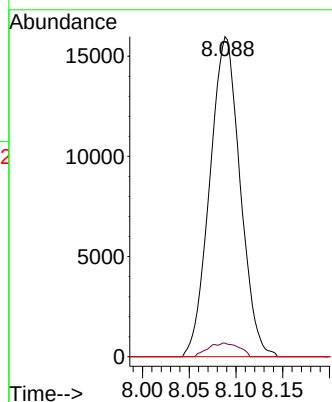
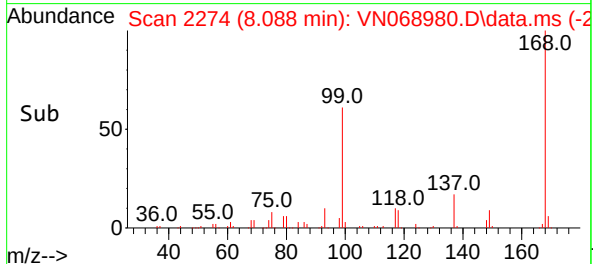


#38
Carbon Tetrachloride
Concen: 6.417 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

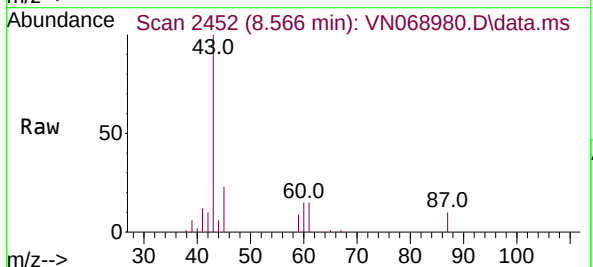
Instrument :
MSVOA_N
ClientSampled :



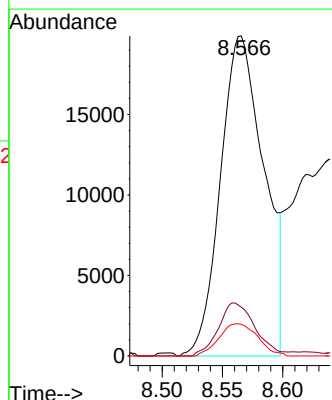
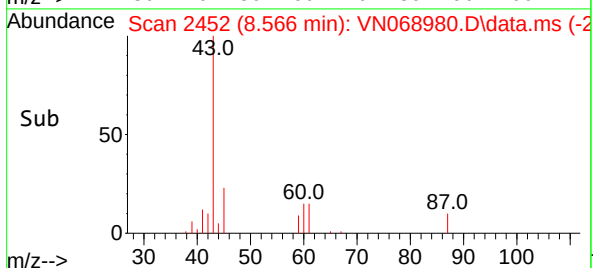
Tgt Ion:117 Resp: 36079
Ion Ratio Lower Upper
117 100
119 4.3 76.9 115.3#
121 0.0 24.6 37.0#

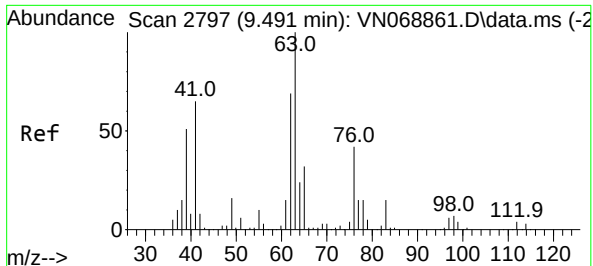


#43
Isopropyl Acetate
Concen: 5.374 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34



Tgt Ion: 43 Resp: 50133
Ion Ratio Lower Upper
43 100
61 14.3 20.4 30.6#
87 8.9 10.7 16.1#



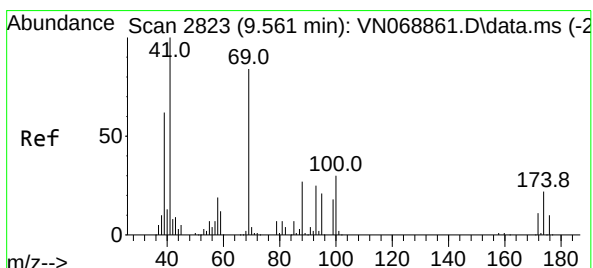
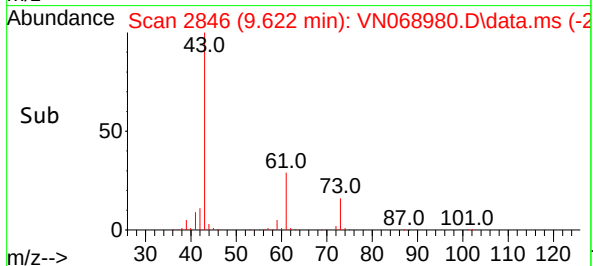
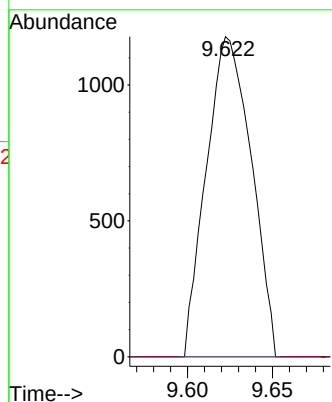
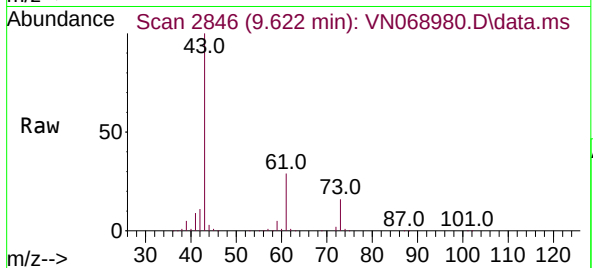


#45

1,2-Dichloropropane
Concen: 0.536 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

Instrument :
MSVOA_N
ClientSampled :

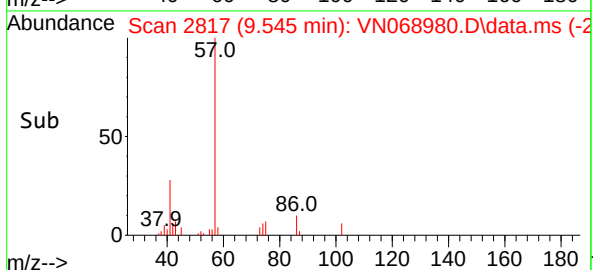
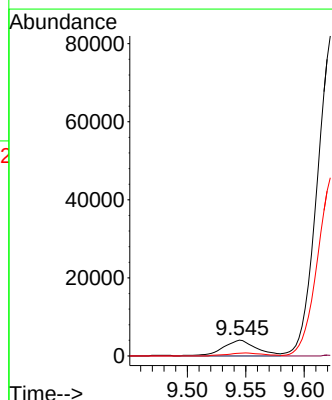
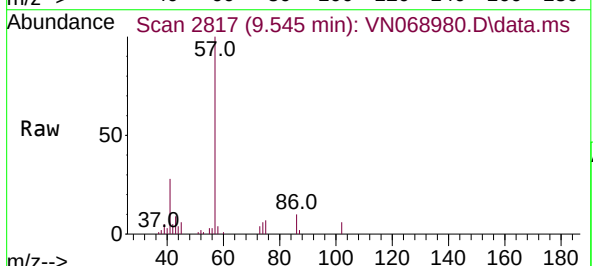
Tgt Ion: 63 Resp: 2169
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

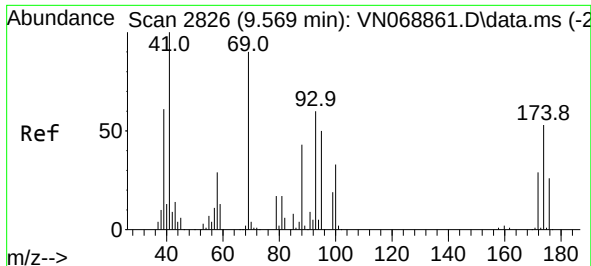


#48

Methyl methacrylate
Concen: 1.842 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

Tgt Ion: 41 Resp: 8073
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#





#49

1,4-Dioxane

Concen: 36.232 ug/l

RT: 9.622 min Scan# 2846

Delta R.T. 0.053 min

Lab File: VN068980.D

Acq: 18 Oct 2021 15:34

Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

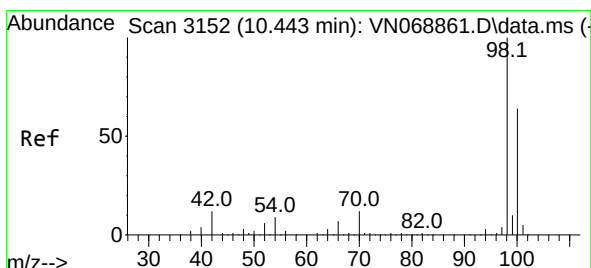
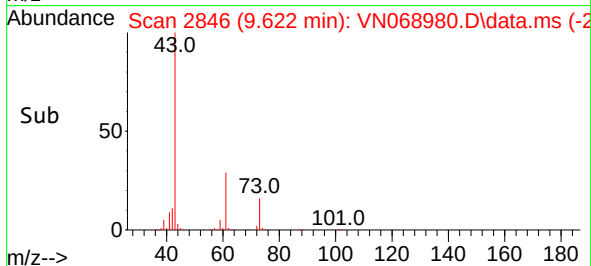
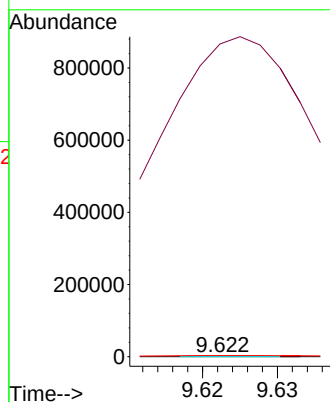
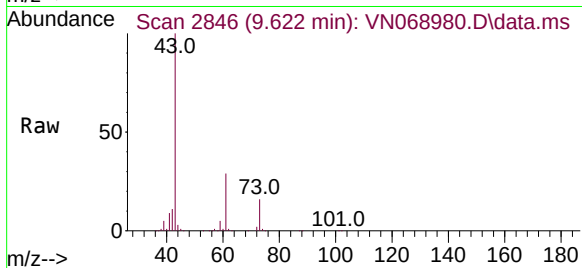
43 3194537.7 24.9 37.3#

58 11786.8 56.9 85.3#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 53.796 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. -0.000 min

Lab File: VN068980.D

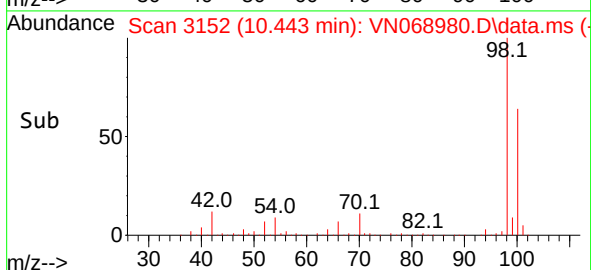
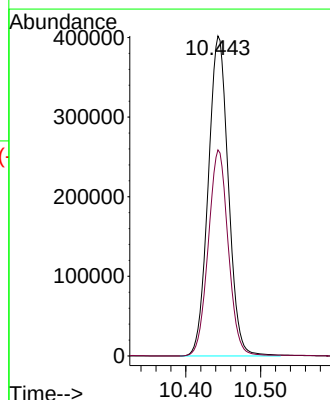
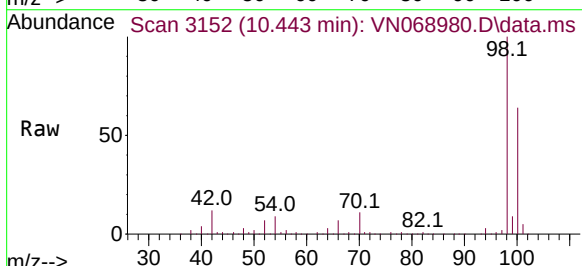
Acq: 18 Oct 2021 15:34

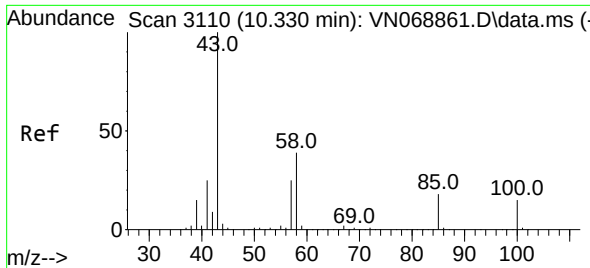
Tgt Ion: 98 Resp: 750576

Ion Ratio Lower Upper

98 100

100 64.0 51.5 77.3

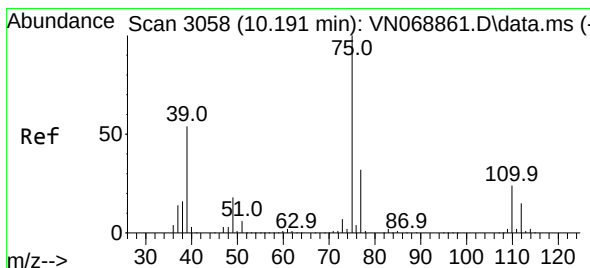
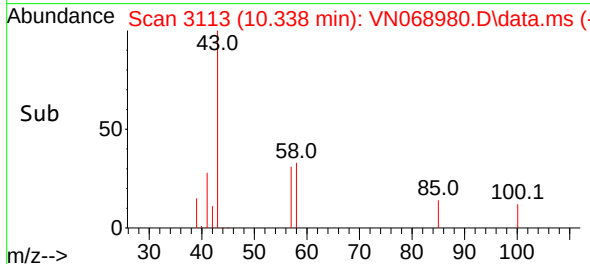
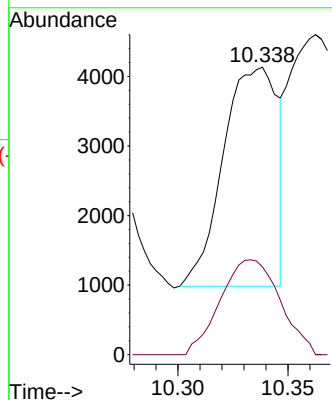
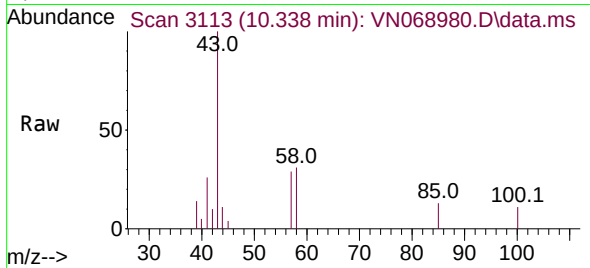




#51
4-Methyl-2-Pentanone
Concen: 0.998 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.008 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

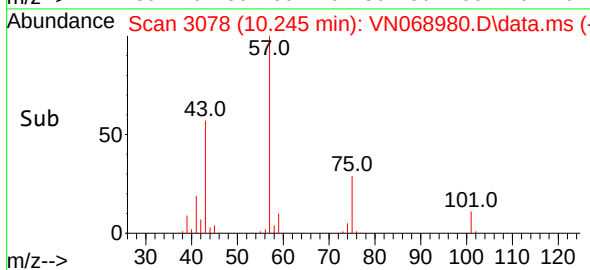
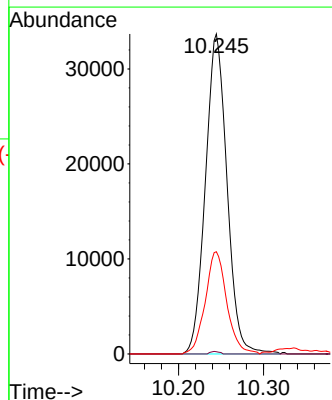
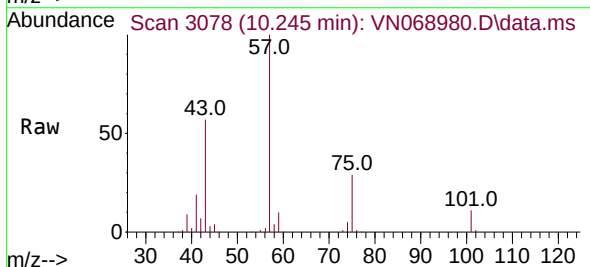
Instrument :
MSVOA_N
ClientSampled :

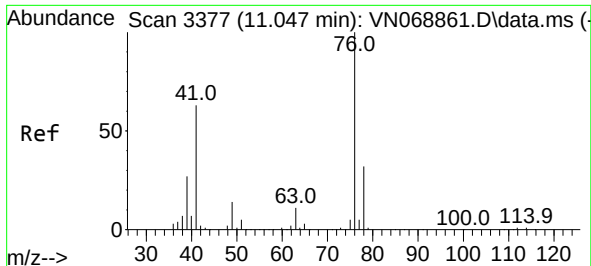
Tgt Ion: 43 Resp: 5398
Ion Ratio Lower Upper
43 100
58 47.6 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 8.802 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

Tgt Ion: 75 Resp: 59358
Ion Ratio Lower Upper
75 100
77 0.7 25.6 38.4#
39 32.0 42.9 64.3#

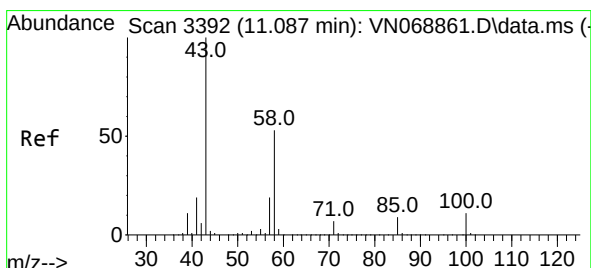
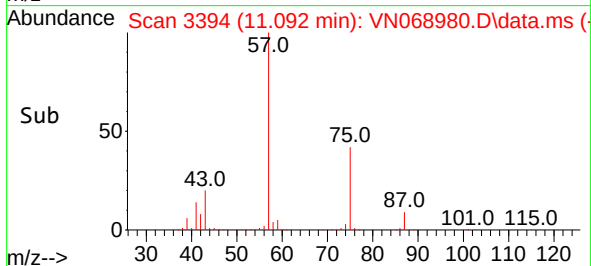
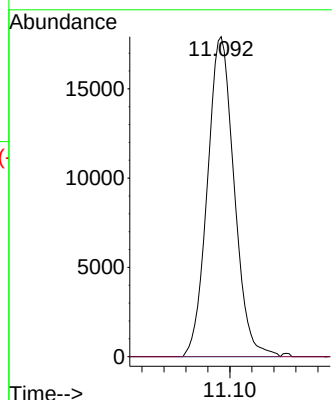
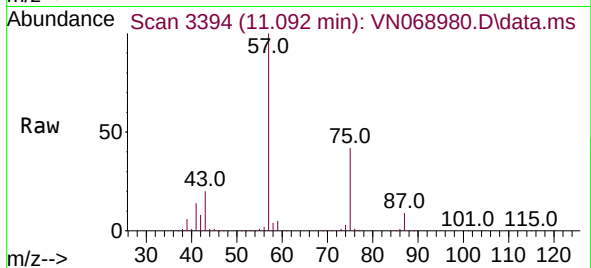




#57
1,3-Dichloropropane
Concen: 4.651 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

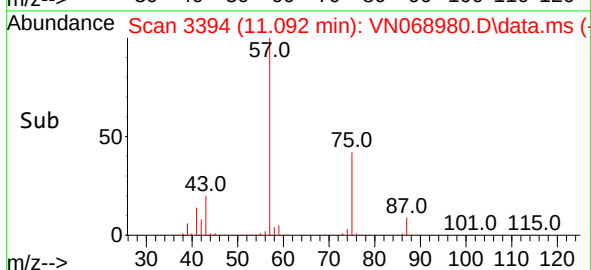
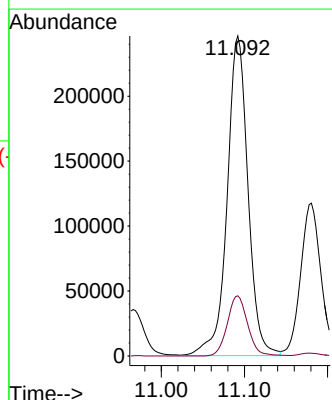
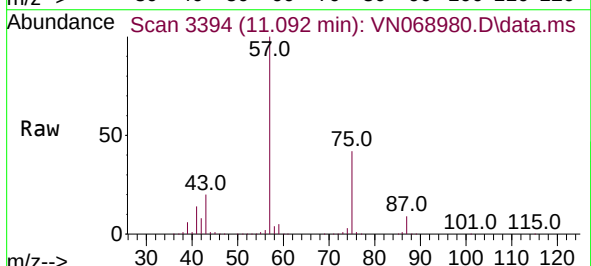
Instrument :
MSVOA_N
ClientSampled :

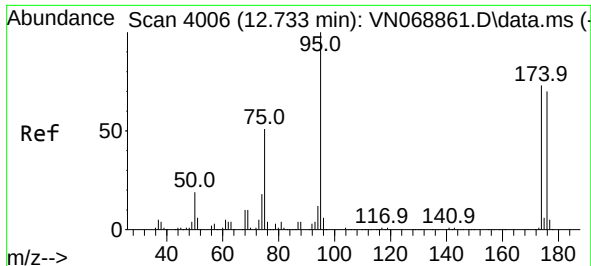
Tgt Ion: 76 Resp: 30326
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 110.847 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

Tgt Ion: 43 Resp: 429991
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#

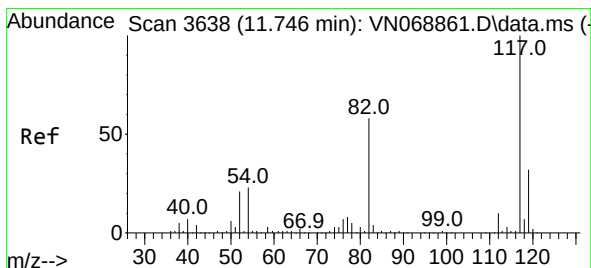
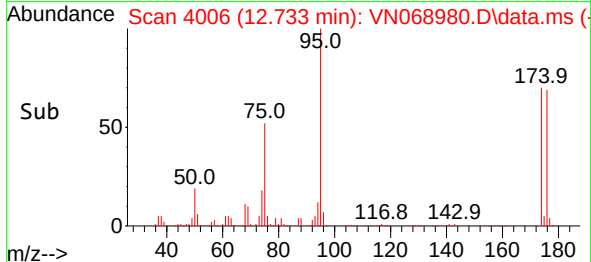
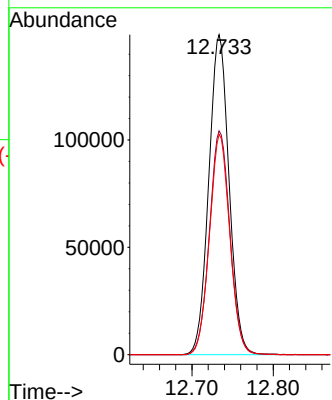
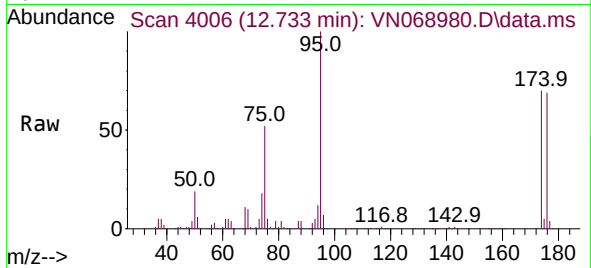




#62
4-Bromofluorobenzene
Concen: 49.033 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

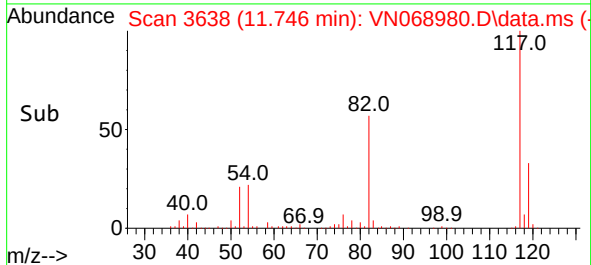
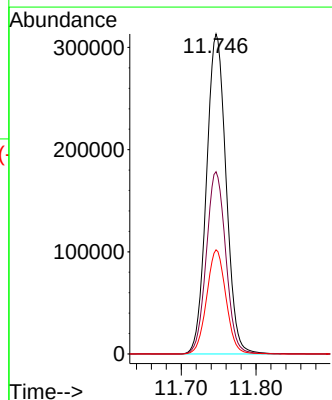
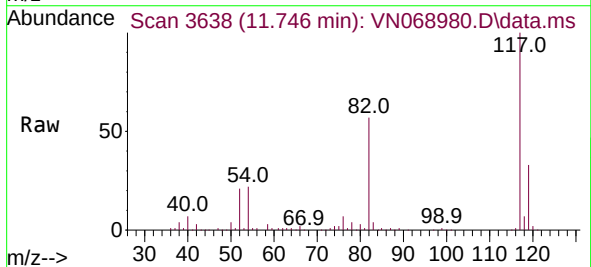
Instrument :
MSVOA_N
ClientSampleId :

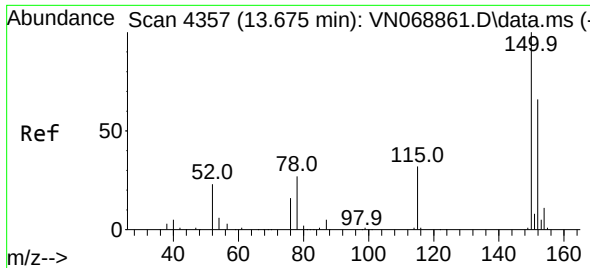
Tgt Ion: 95 Resp: 258110
Ion Ratio Lower Upper
95 100
174 70.7 0.0 144.8
176 68.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

Tgt Ion: 117 Resp: 570353
Ion Ratio Lower Upper
117 100
82 56.9 46.4 69.6
119 32.6 26.0 39.0

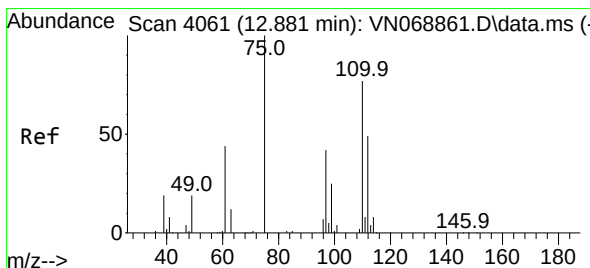
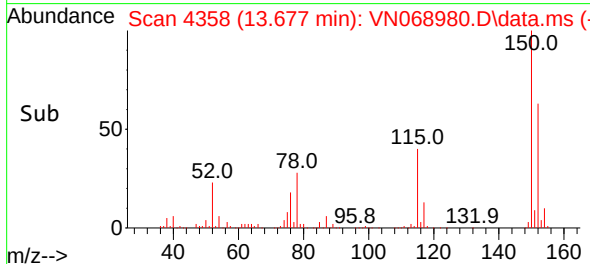
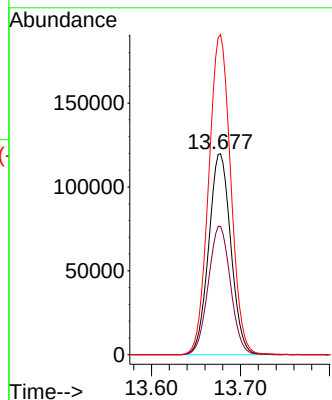
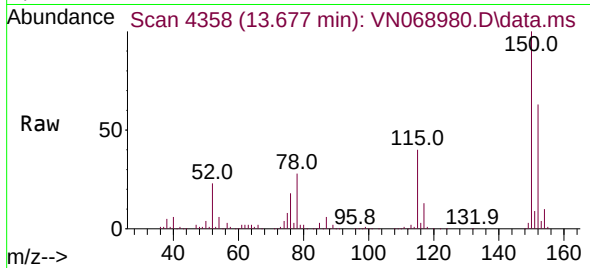




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068980.D
 Acq: 18 Oct 2021 15:34

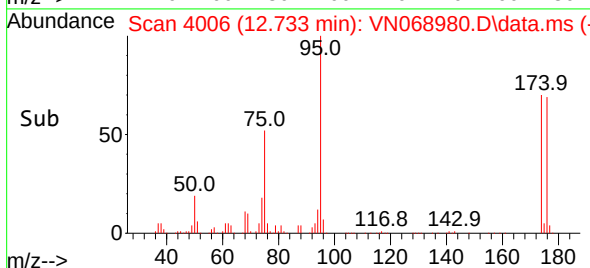
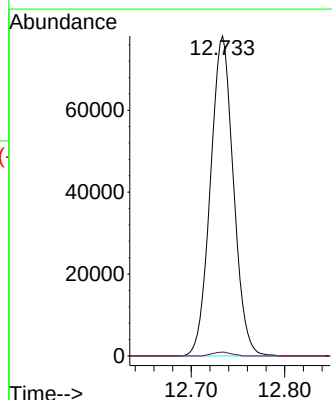
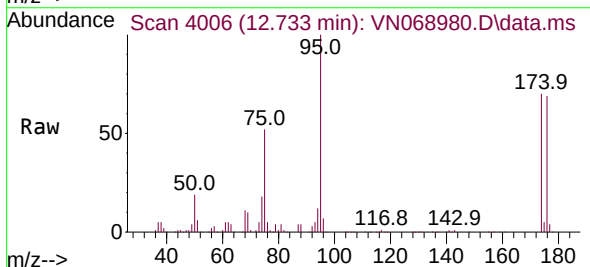
Instrument :
 MSVOA_N
 ClientSampled :

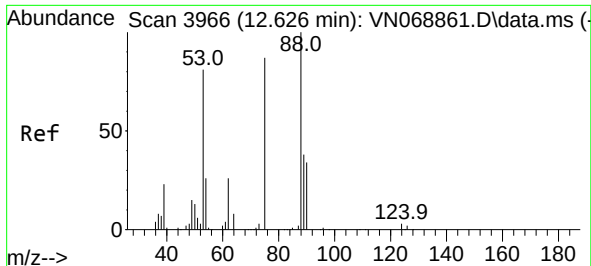
Tgt Ion:152 Resp: 206510
 Ion Ratio Lower Upper
 152 100
 115 64.3 31.4 94.3
 150 159.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 30.500 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN068980.D
 Acq: 18 Oct 2021 15:34

Tgt Ion: 75 Resp: 134017
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

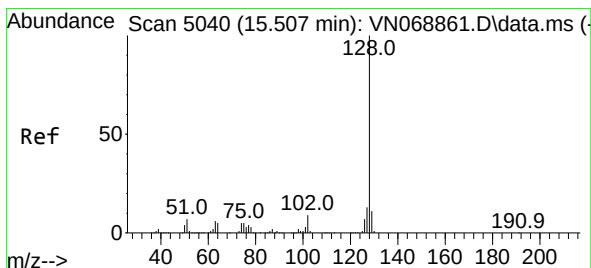
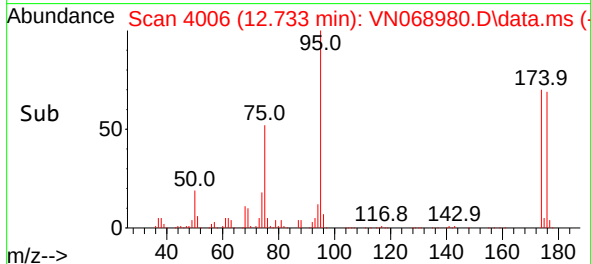
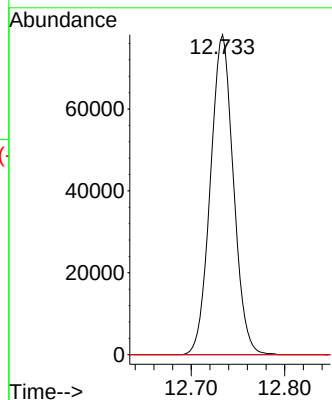
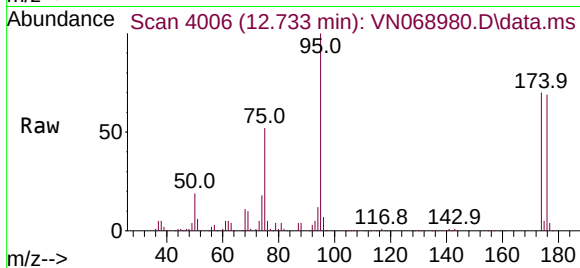




#81
trans-1,4-Dichloro-2-butene
Concen: 72.970 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 134017
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.846 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068980.D
Acq: 18 Oct 2021 15:34

Tgt Ion:128 Resp: 358
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

