

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN069005.D
 Acq On : 19 Oct 2021 2:54
 Operator : JC/MD
 Sample : M4242-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 09:59:32 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

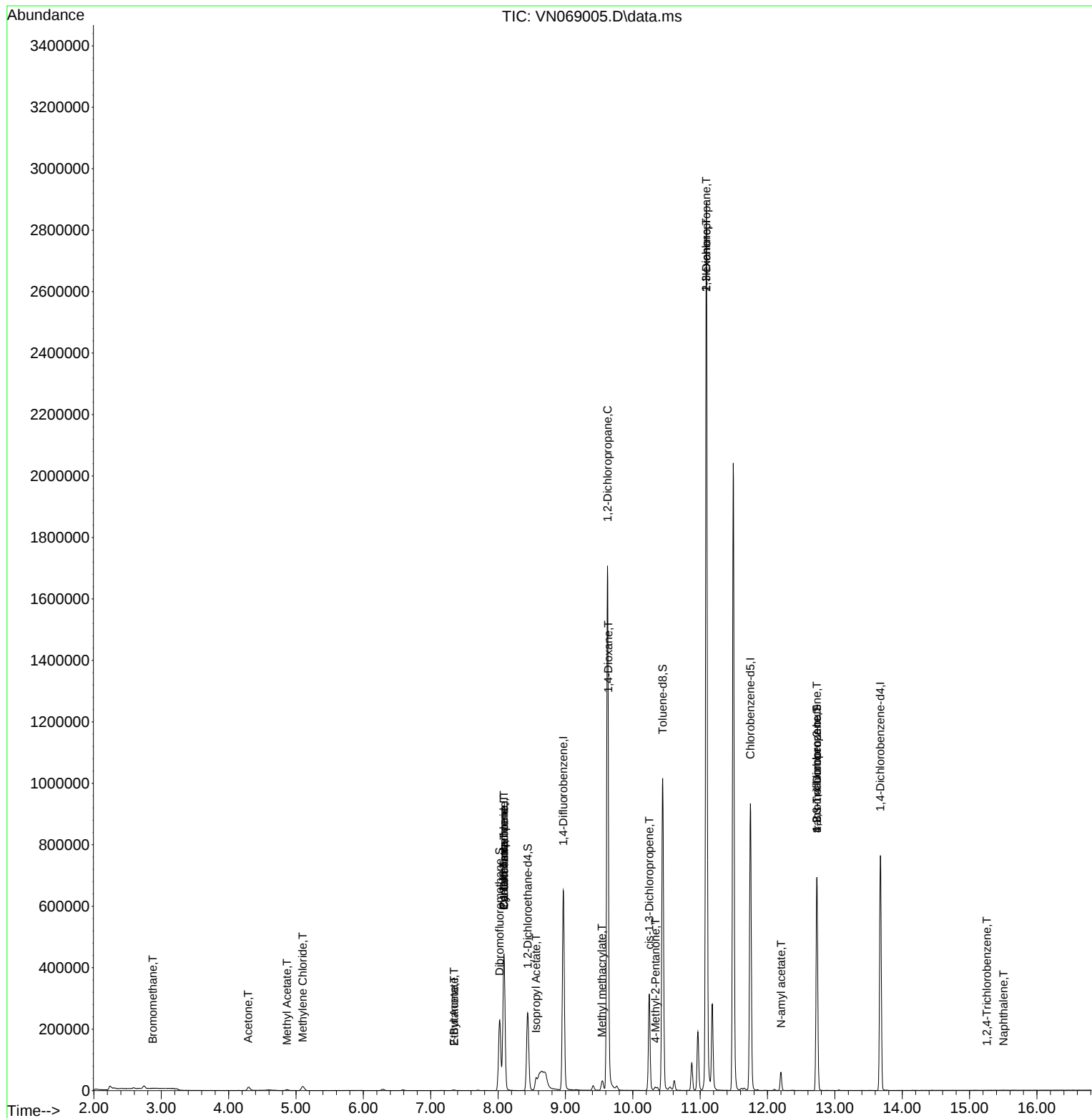
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	338226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	583828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	553950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	206434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	216345	48.514	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.020%
35) Dibromofluoromethane	8.024	113	172766	50.862	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.720%
50) Toluene-d8	10.443	98	726963	53.489	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.980%
62) 4-Bromofluorobenzene	12.733	95	254182	49.570	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.140%
Target Compounds						
					Qvalue	
5) Bromomethane	2.874	94	524	0.227	ug/l #	66
16) Acetone	4.291	43	22054	13.252	ug/l	99
18) Methyl Acetate	4.867	43	6243	0.989	ug/l	95
20) Methylene Chloride	5.101	84	11522	3.008	ug/l	91
25) 2-Butanone	7.348	43	4120	1.637	ug/l	96
31) Cyclohexane	8.086	56	7505	1.082	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	27636	5.542	ug/l #	49
37) Ethyl Acetate	7.348	43	4120	0.800	ug/l #	68
38) Carbon Tetrachloride	8.088	117	35425	6.468	ug/l #	16
43) Isopropyl Acetate	8.563	43	47108	5.184	ug/l #	84
45) 1,2-Dichloropropane	9.625	63	1905	0.483	ug/l #	43
48) Methyl methacrylate	9.542	41	8491	1.989	ug/l #	13
49) 1,4-Dioxane	9.636	88	109	36.897	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	7090	1.346	ug/l	99
54) cis-1,3-Dichloropropene	10.245	75	59733	9.093	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	32050	5.046	ug/l #	42
59) 2-Hexanone	11.092	43	449243	118.888	ug/l #	50
74) N-amyl acetate	12.200	43	19734	3.031	ug/l #	53
76) 1,2,3-Trichloropropane	12.733	75	132834	30.242	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	132834	72.353	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.257	180	57	2.617	ug/l #	12
95) Naphthalene	15.504	128	757	3.885	ug/l #	69

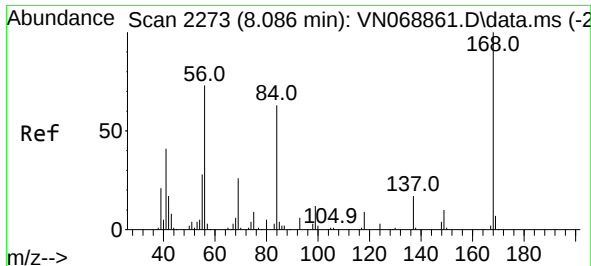
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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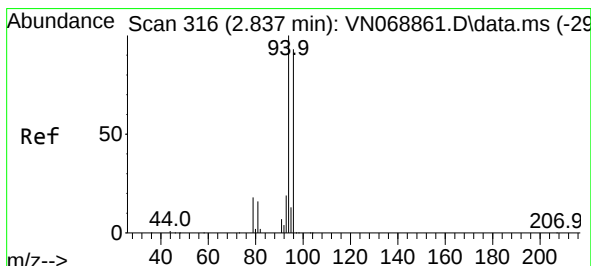
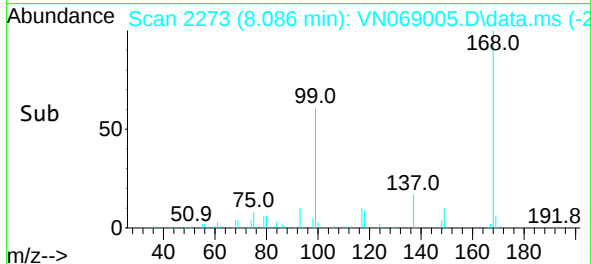
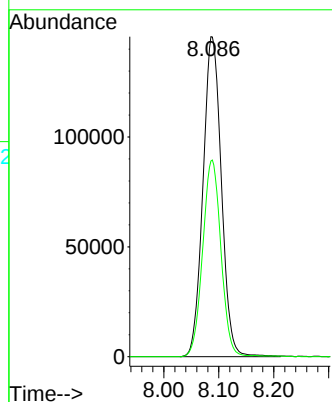
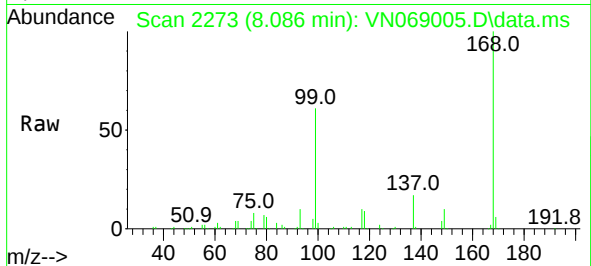




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

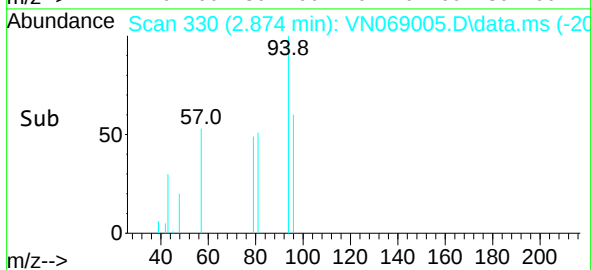
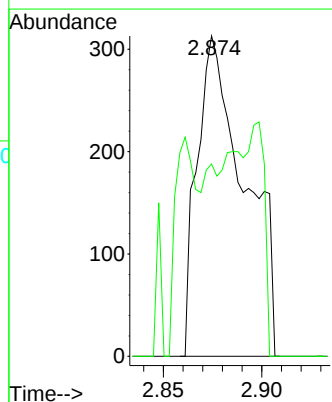
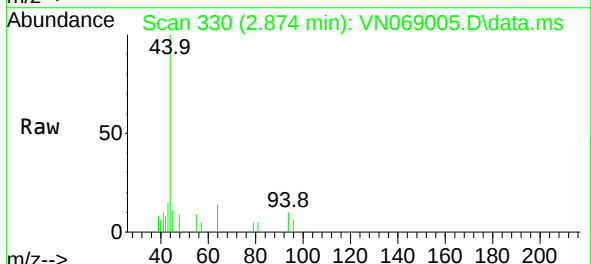
Instrument :
MSVOA_N
ClientSampled :

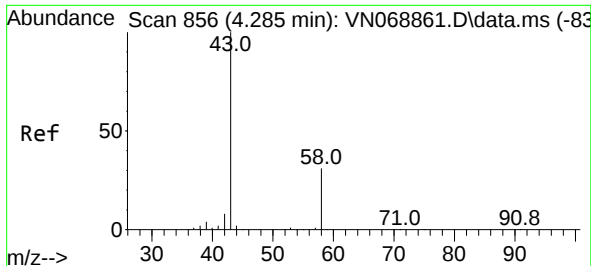
Tgt Ion:168 Resp: 338226
Ion Ratio Lower Upper
168 100
99 61.2 48.9 73.3



#5
Bromomethane
Concen: 0.227 ug/l
RT: 2.874 min Scan# 330
Delta R.T. 0.038 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

Tgt Ion: 94 Resp: 524
Ion Ratio Lower Upper
94 100
96 60.1 74.2 111.4#

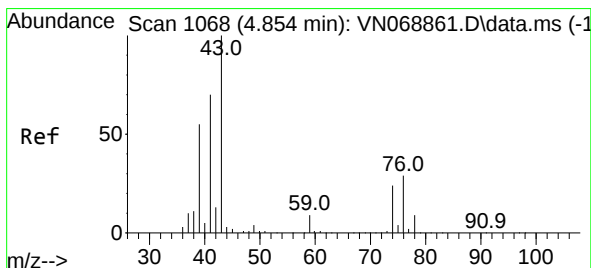
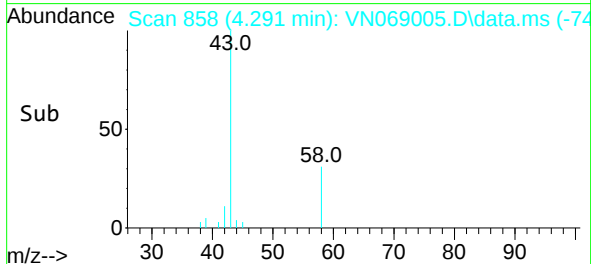
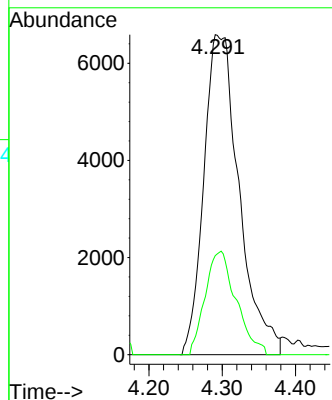
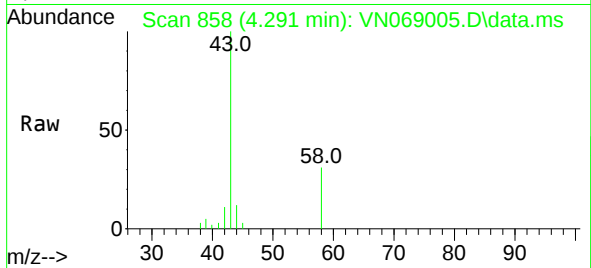




#16
Acetone
Concen: 13.252 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.005 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

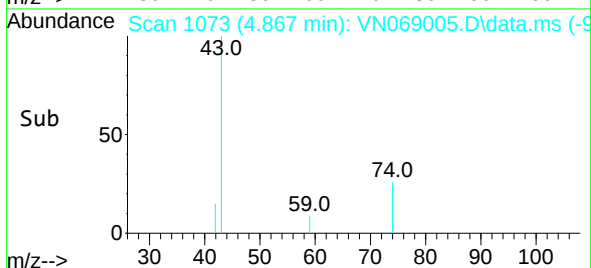
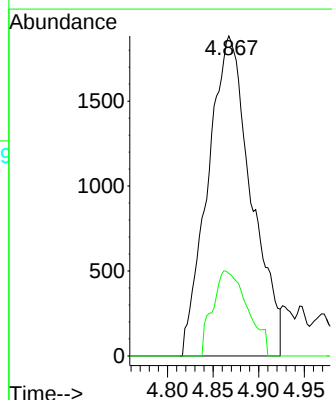
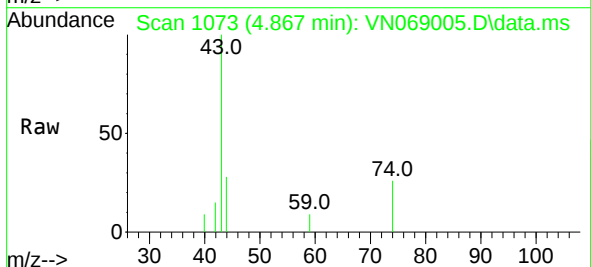
Instrument :
MSVOA_N
ClientSampled :

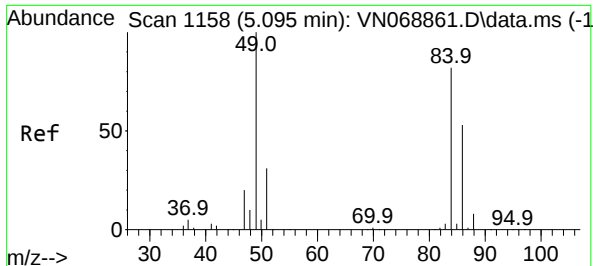
Tgt Ion: 43 Resp: 22054
Ion Ratio Lower Upper
43 100
58 30.9 24.5 36.7



#18
Methyl Acetate
Concen: 0.989 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

Tgt Ion: 43 Resp: 6243
Ion Ratio Lower Upper
43 100
74 21.4 18.9 28.3

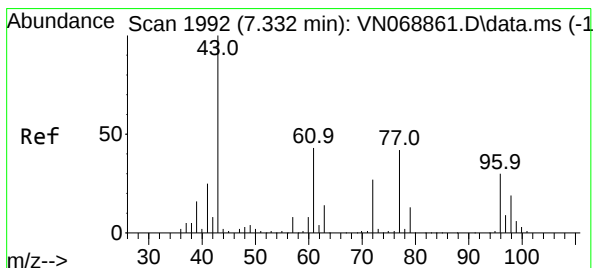
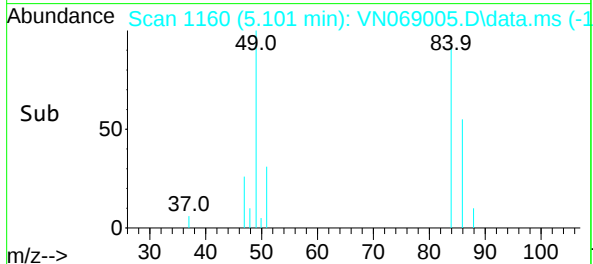
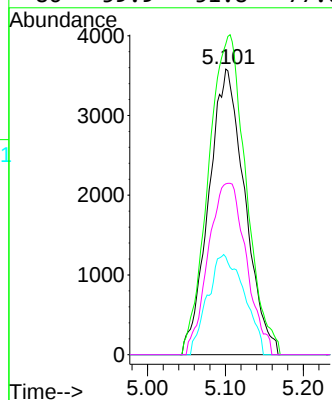
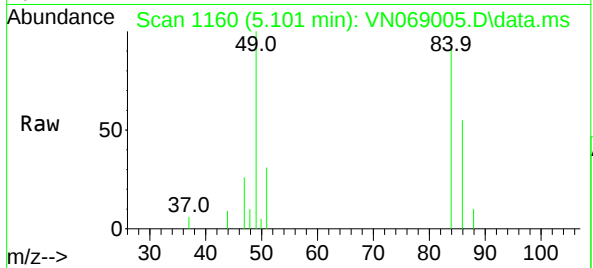




#20
Methylene Chloride
Concen: 3.008 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

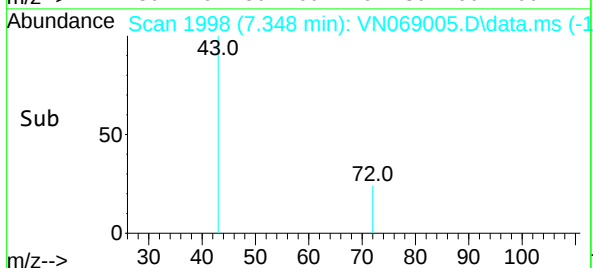
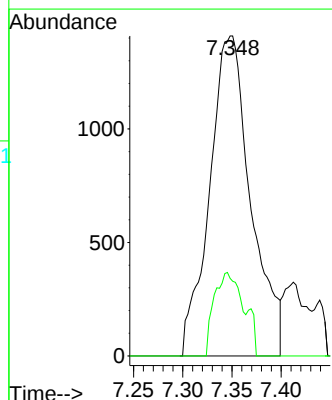
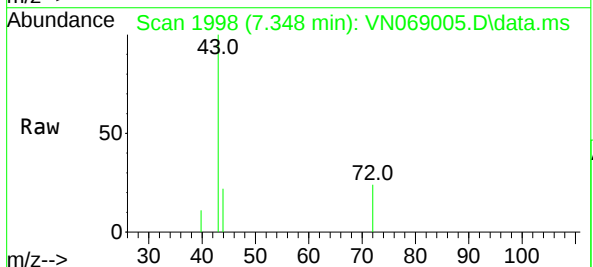
Instrument :
MSVOA_N
ClientSampled :

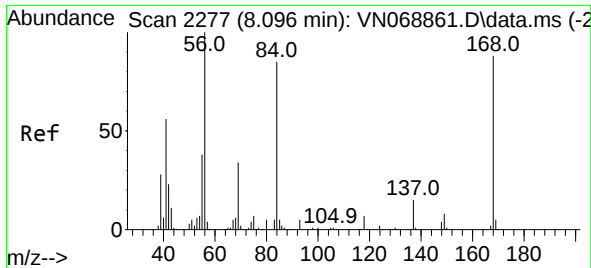
Tgt Ion: 84 Resp: 11522
Ion Ratio Lower Upper
84 100
49 108.8 97.6 146.4
51 34.2 30.3 45.5
86 59.9 51.8 77.6



#25
2-Butanone
Concen: 1.637 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

Tgt Ion: 43 Resp: 4120
Ion Ratio Lower Upper
43 100
72 24.3 21.2 31.8

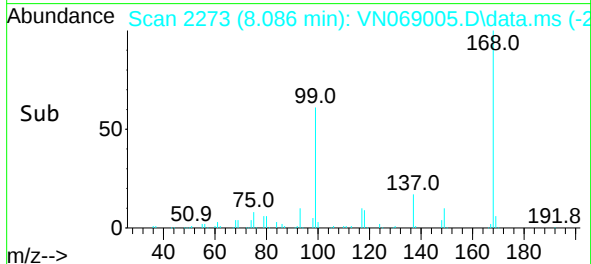
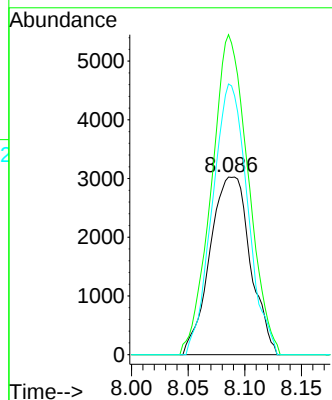
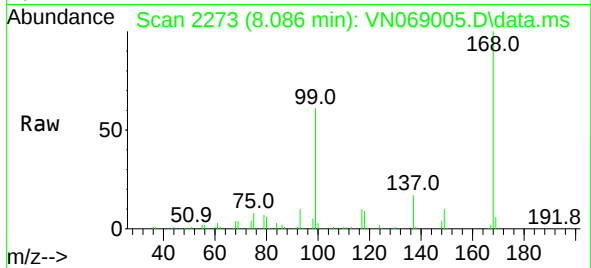




#31
Cyclohexane
Concen: 1.082 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

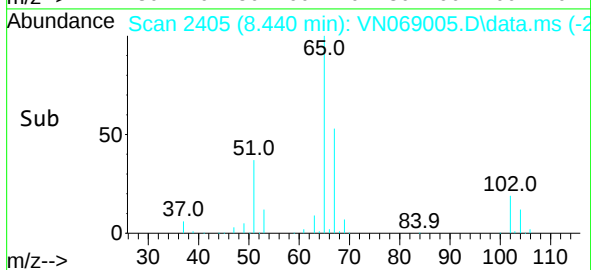
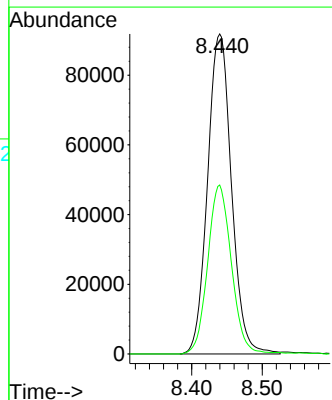
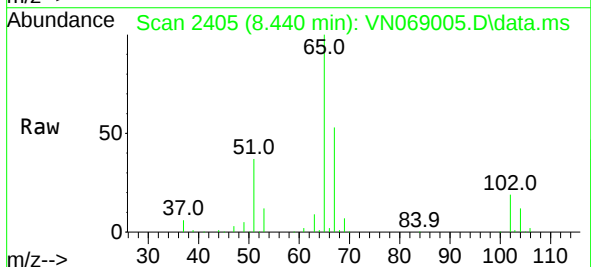
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 7505
Ion Ratio Lower Upper
56 100
69 180.2 26.9 40.3#
84 152.5 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.514 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

Tgt Ion: 65 Resp: 216345
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069005.D

Acq: 19 Oct 2021 2:54

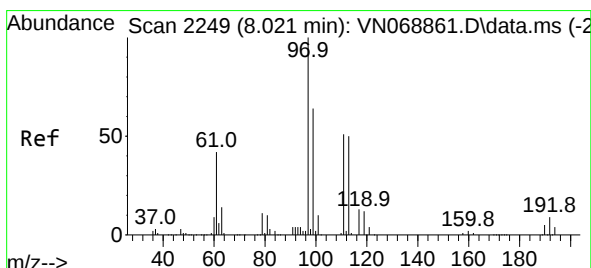
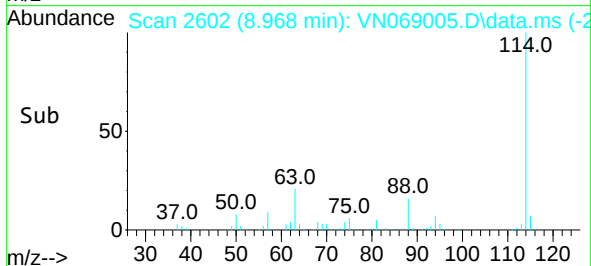
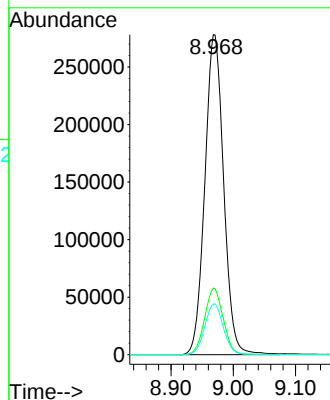
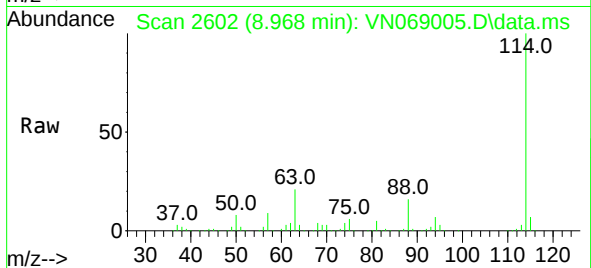
Tgt Ion:114 Resp: 583828

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 15.9 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.862 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN069005.D

Acq: 19 Oct 2021 2:54

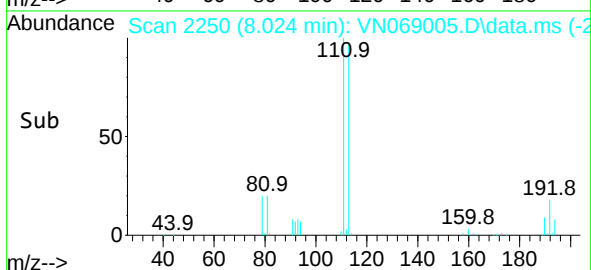
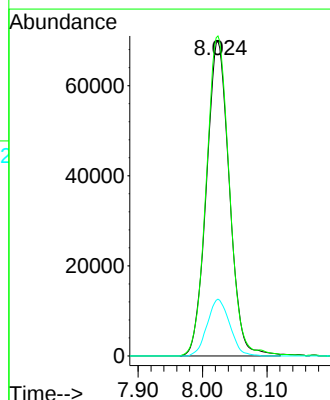
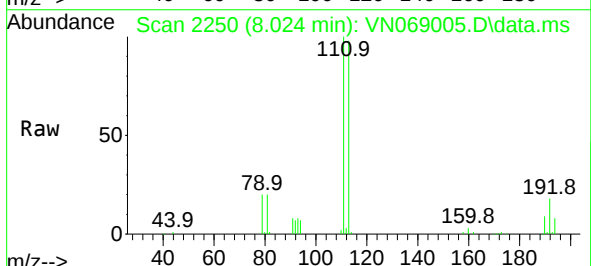
Tgt Ion:113 Resp: 172766

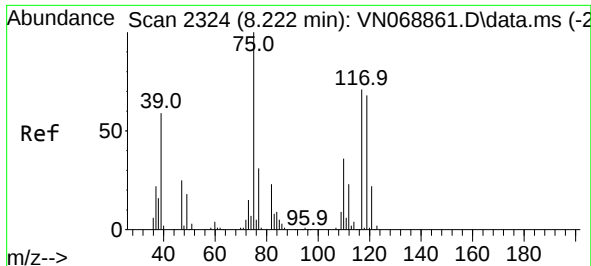
Ion Ratio Lower Upper

113 100

111 101.3 83.2 124.8

192 17.7 15.0 22.4

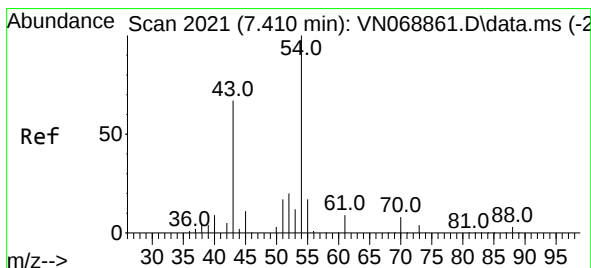
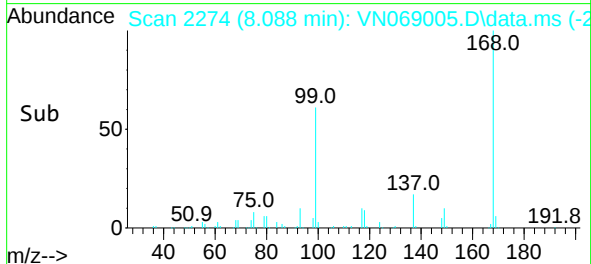
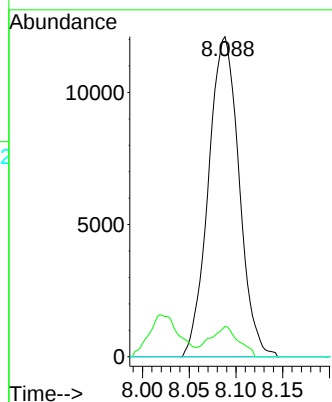
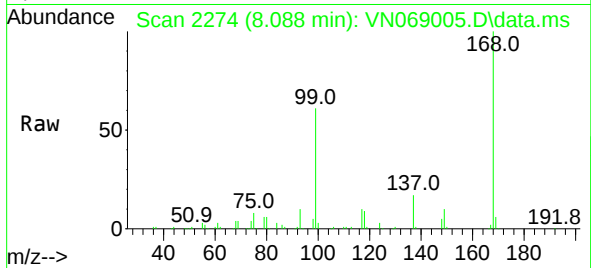




#36
1,1-Dichloropropene
Concen: 5.542 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

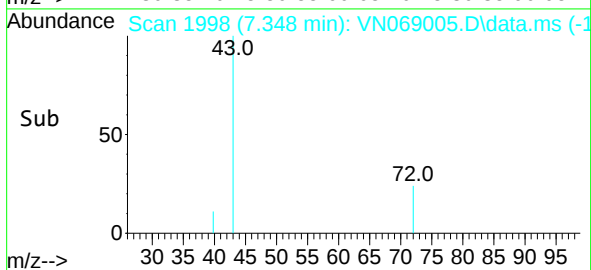
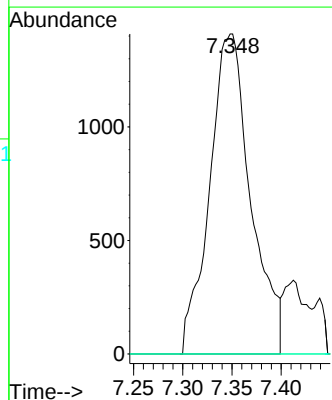
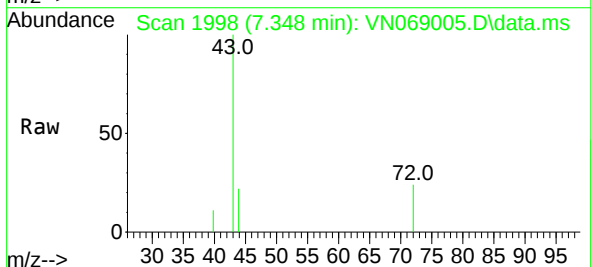
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ClientSampled :

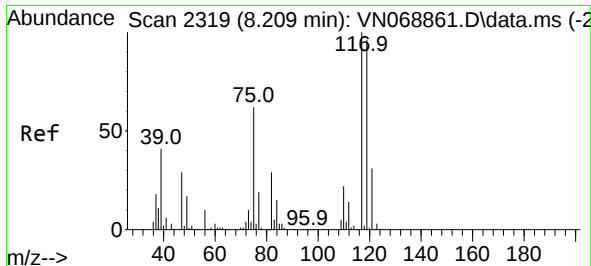
Tgt Ion: 75 Resp: 27636
Ion Ratio Lower Upper
75 100
110 8.8 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.800 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.062 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

Tgt Ion: 43 Resp: 4120
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#

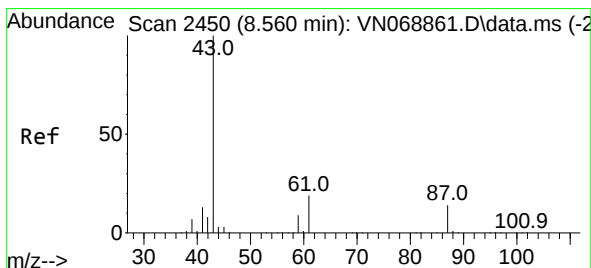
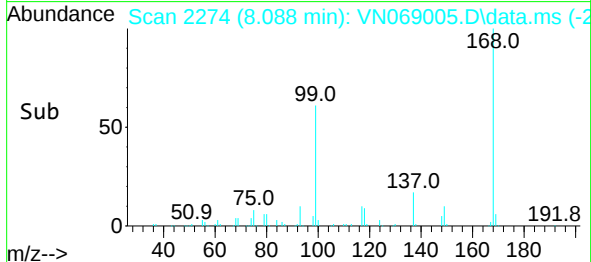
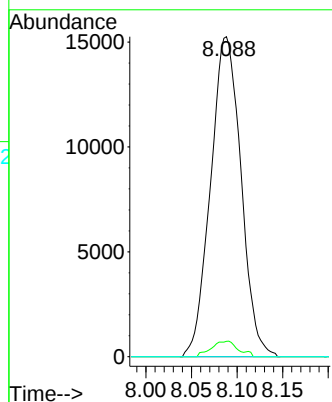
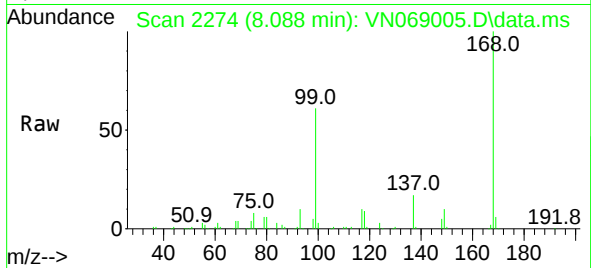




#38
Carbon Tetrachloride
Concen: 6.468 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

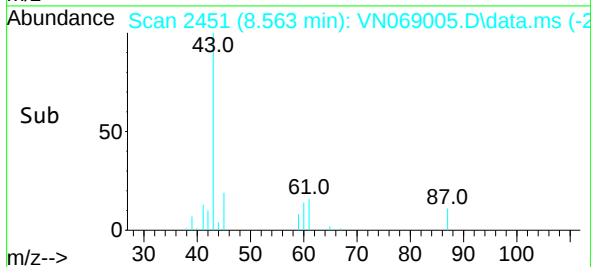
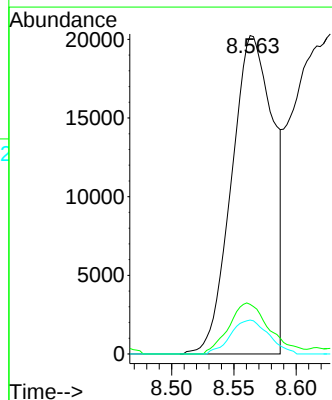
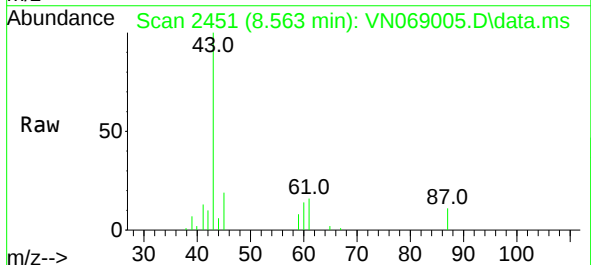
Instrument :
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ClientSampled :

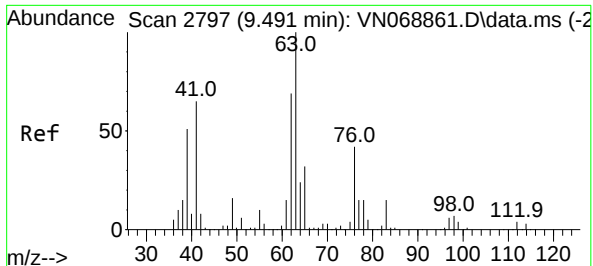
Tgt Ion:117 Resp: 35425
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 5.184 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

Tgt Ion: 43 Resp: 47108
Ion Ratio Lower Upper
43 100
61 15.7 20.4 30.6#
87 9.7 10.7 16.1#

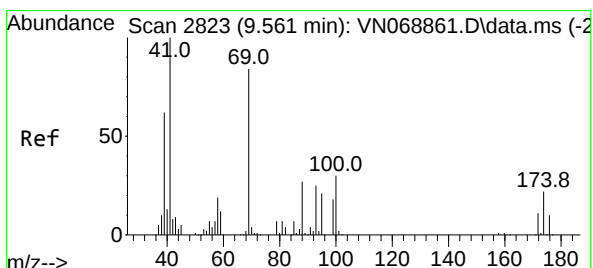
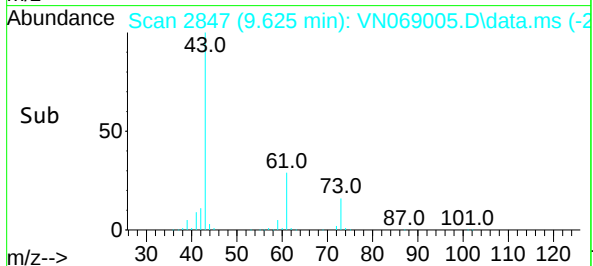
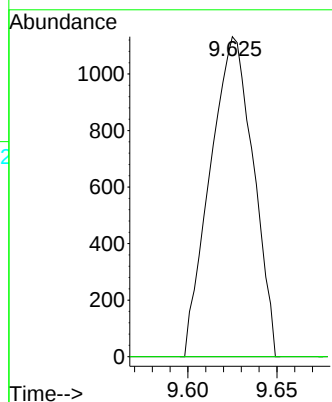
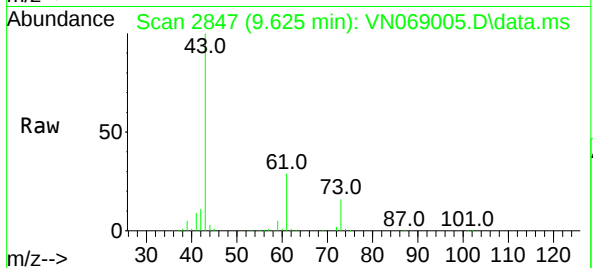




#45
1,2-Dichloropropane
Concen: 0.483 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

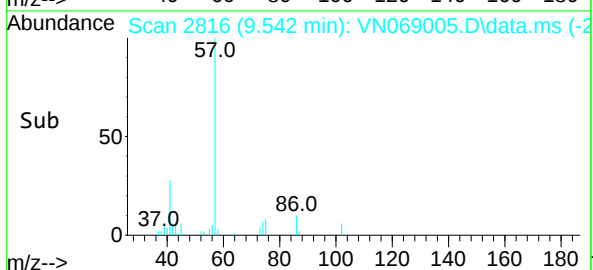
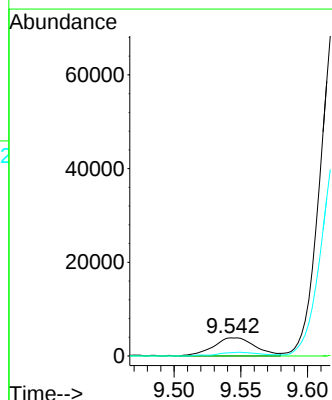
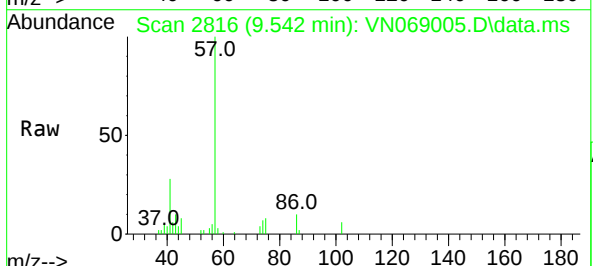
Instrument :
MSVOA_N
ClientSampled :

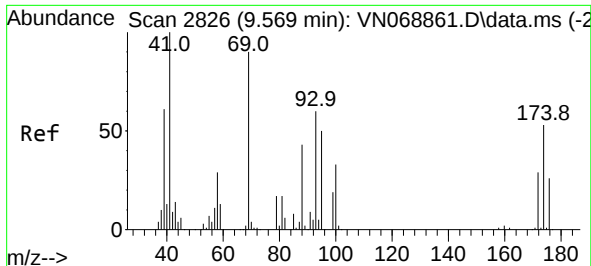
Tgt Ion: 63 Resp: 1905
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.989 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

Tgt Ion: 41 Resp: 8491
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

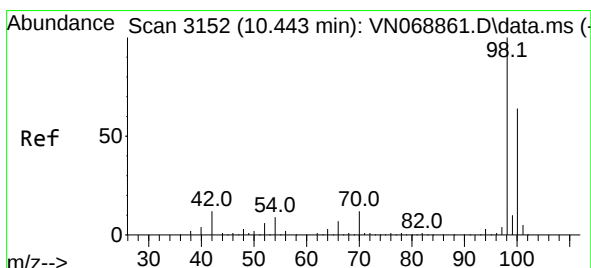
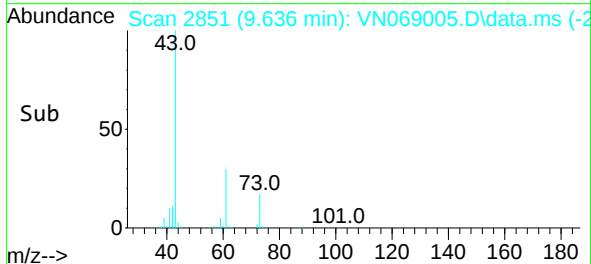
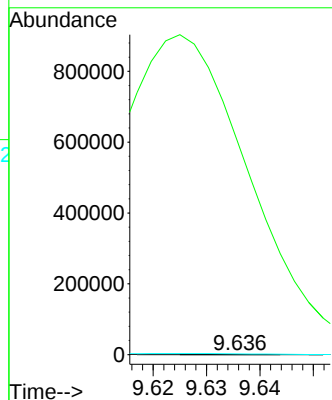
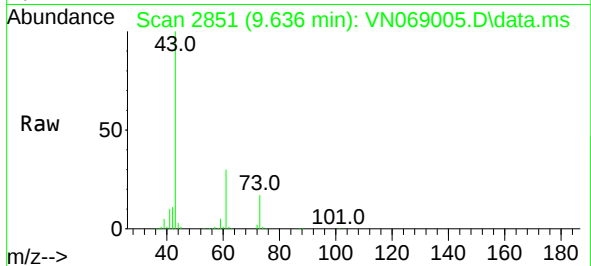




#49
1,4-Dioxane
Concen: 36.897 ug/l
RT: 9.636 min Scan# 2851
Delta R.T. 0.067 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

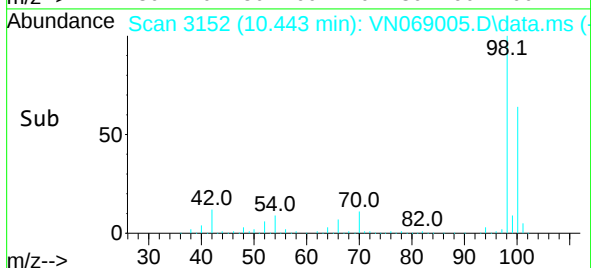
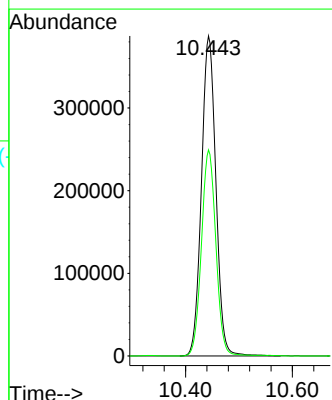
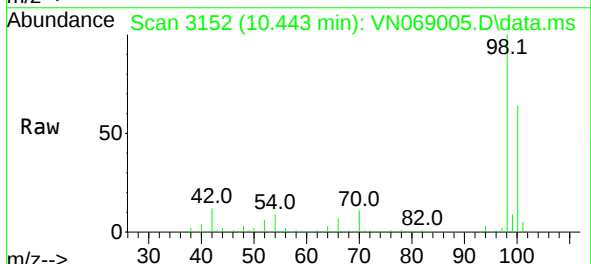
Instrument :
MSVOA_N
ClientSampled :

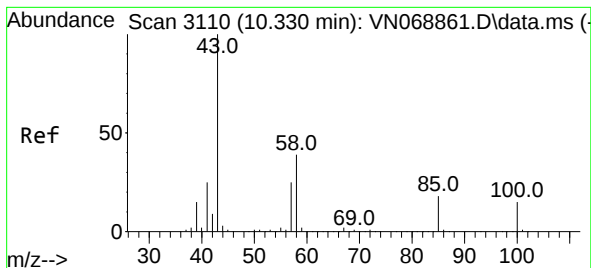
Tgt Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
43 1580825.7 24.9 37.3#
58 6173.4 56.9 85.3#



#50
Toluene-d8
Concen: 53.489 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

Tgt Ion: 98 Resp: 726963
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3

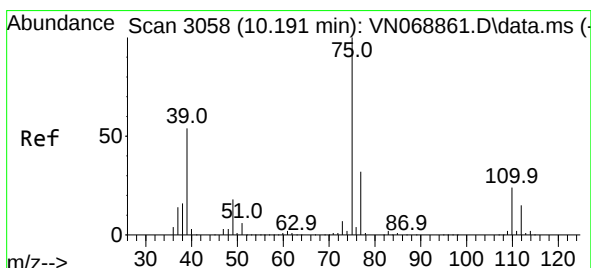
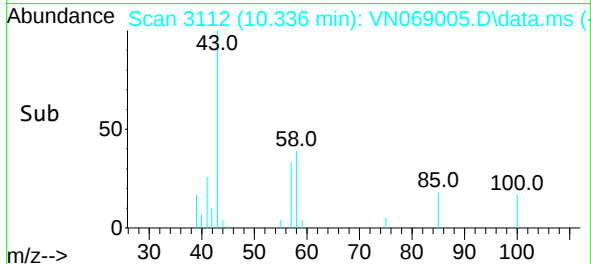
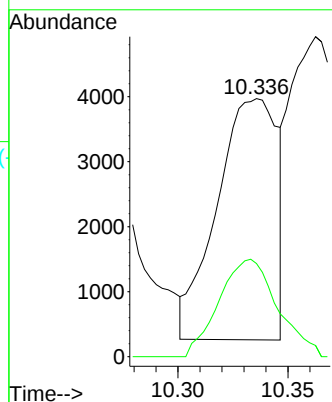
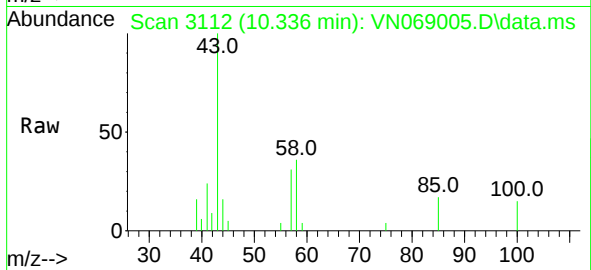




#51
4-Methyl-2-Pentanone
Concen: 1.346 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

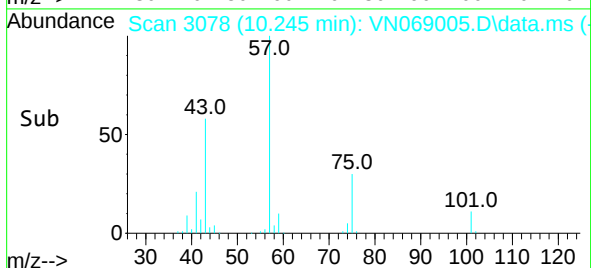
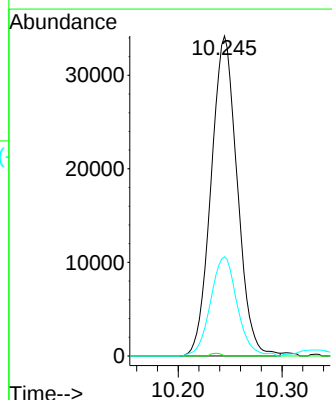
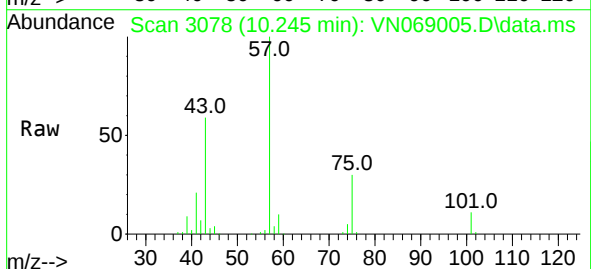
Instrument :
MSVOA_N
ClientSampled :

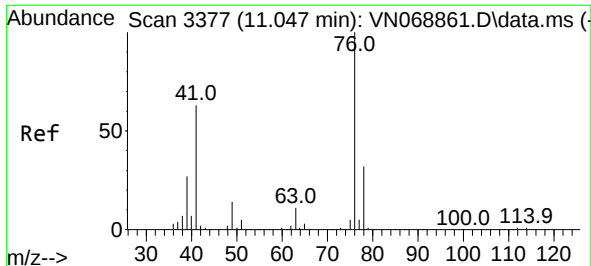
Tgt Ion: 43 Resp: 7090
Ion Ratio Lower Upper
43 100
58 39.2 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 9.093 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

Tgt Ion: 75 Resp: 59733
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 31.0 42.9 64.3#

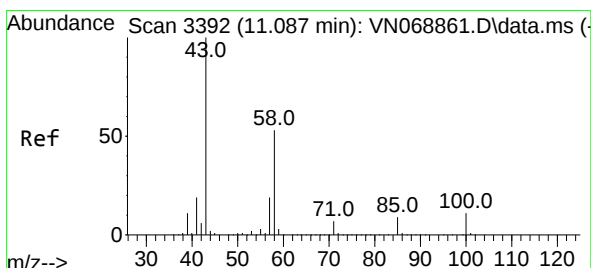
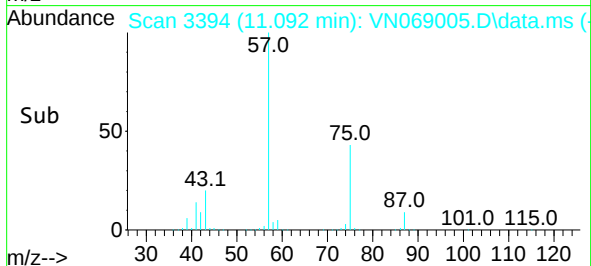
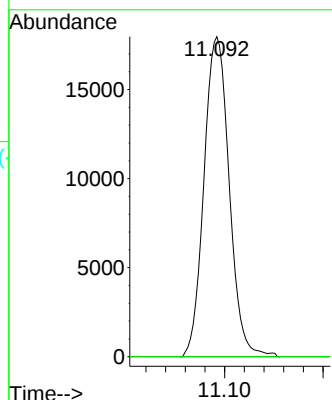
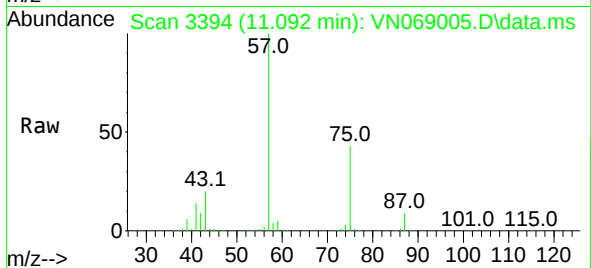




#57
1,3-Dichloropropane
Concen: 5.046 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

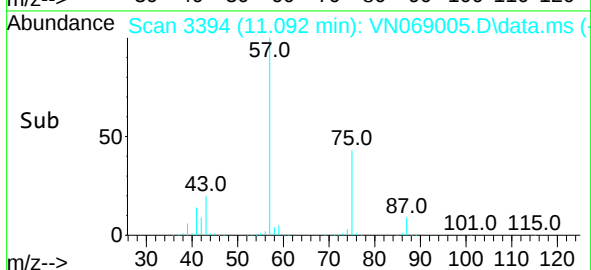
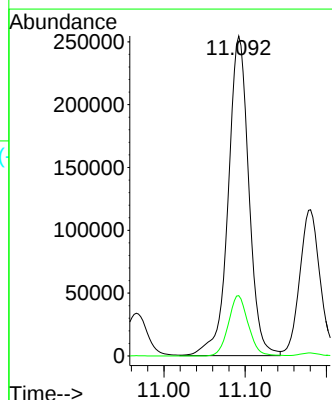
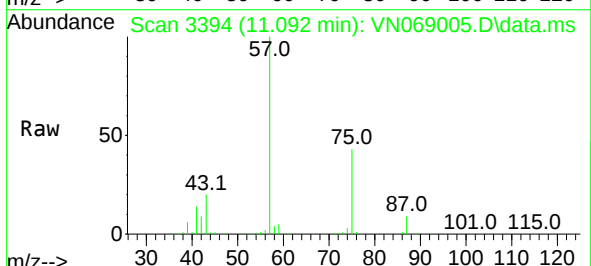
Instrument :
MSVOA_N
ClientSampled :

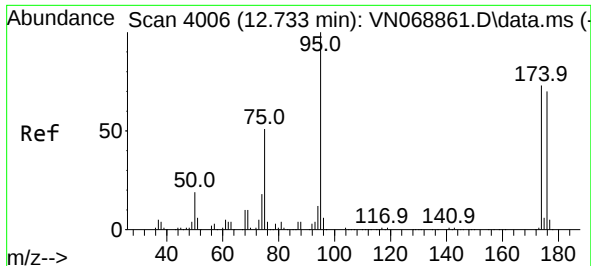
Tgt Ion: 76 Resp: 32050
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 118.888 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

Tgt Ion: 43 Resp: 449243
Ion Ratio Lower Upper
43 100
58 18.2 26.9 80.7#

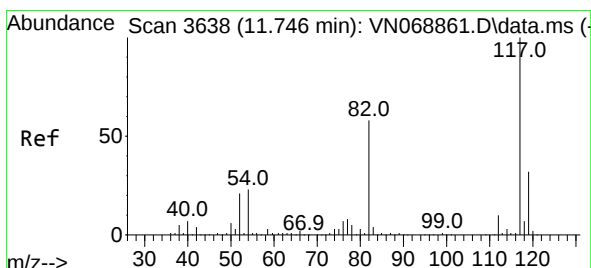
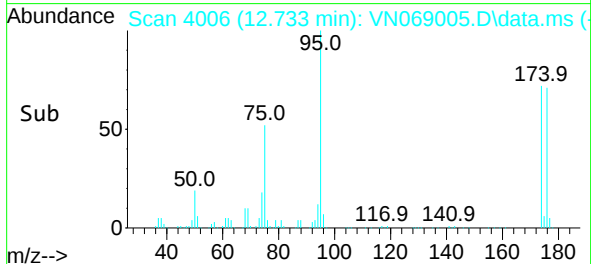
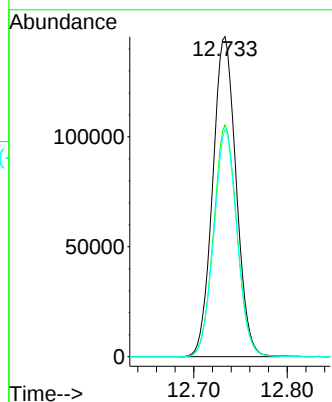
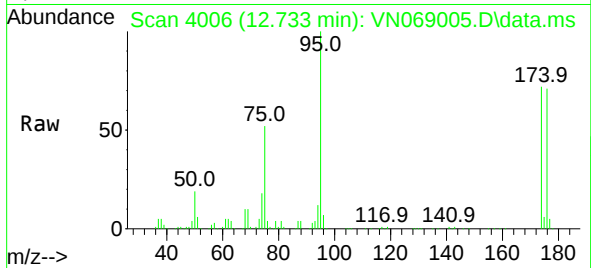




#62
4-Bromofluorobenzene
Concen: 49.570 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

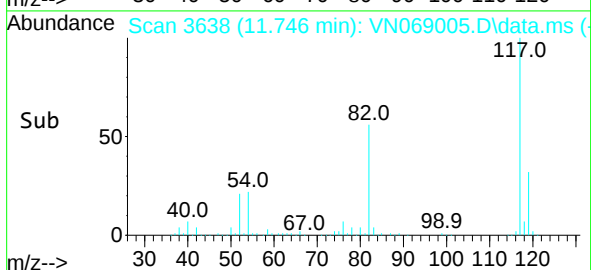
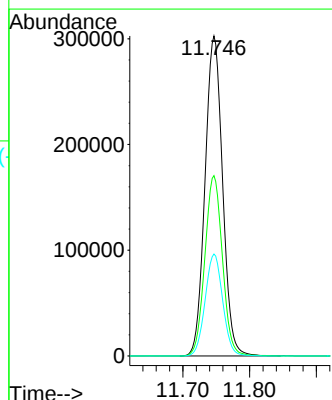
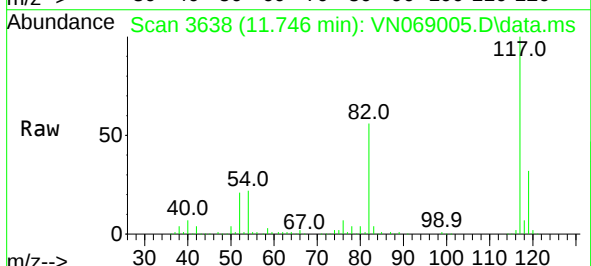
Instrument :
MSVOA_N
ClientSampleId :

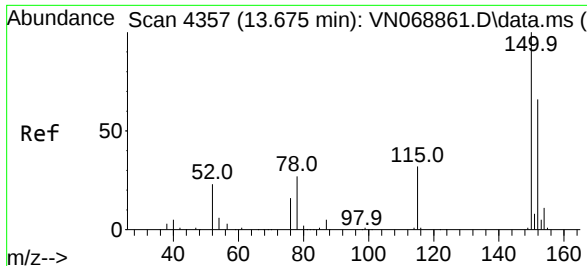
Tgt Ion: 95 Resp: 254182
Ion Ratio Lower Upper
95 100
174 72.4 0.0 144.8
176 70.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

Tgt Ion: 117 Resp: 553950
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 31.9 26.0 39.0

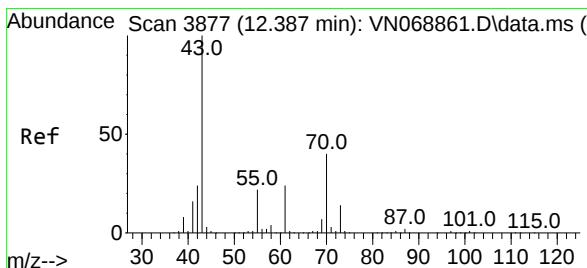
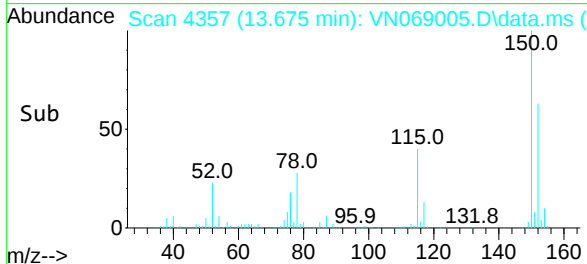
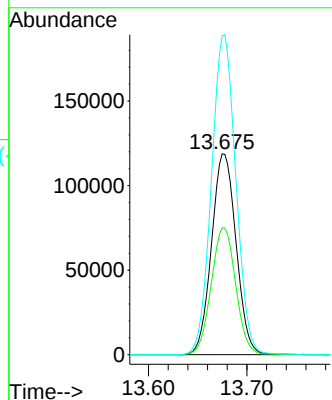
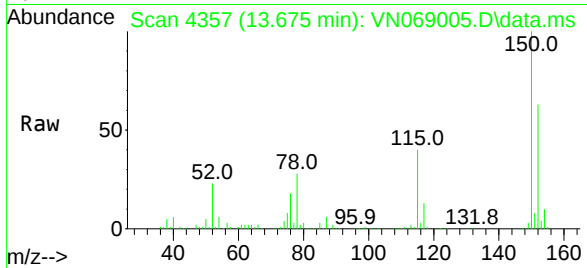




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

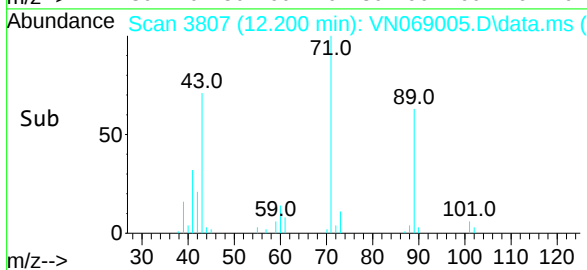
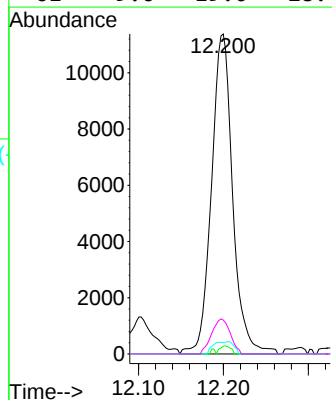
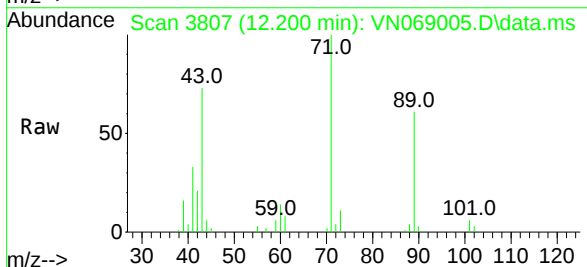
Instrument :
MSVOA_N
ClientSampled :

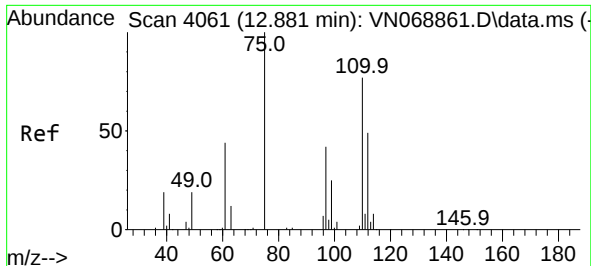
Tgt Ion:152 Resp: 206434
Ion Ratio Lower Upper
152 100
115 63.1 31.4 94.3
150 158.3 0.0 351.0



#74
N-ethyl acetate
Concen: 3.031 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.188 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

Tgt Ion: 43 Resp: 19734
Ion Ratio Lower Upper
43 100
70 1.3 32.2 48.2#
55 3.7 18.0 27.0#
61 9.6 19.0 28.4#

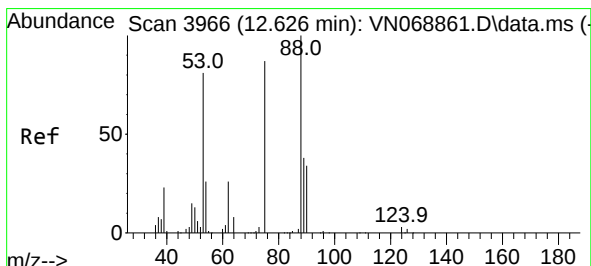
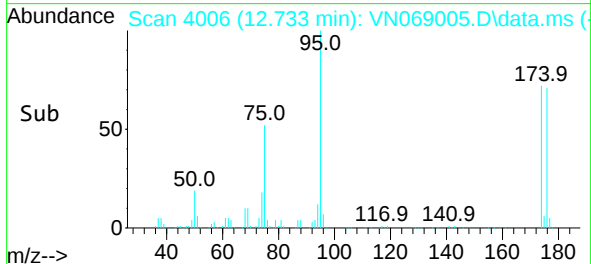
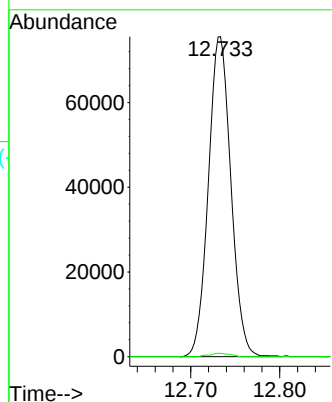
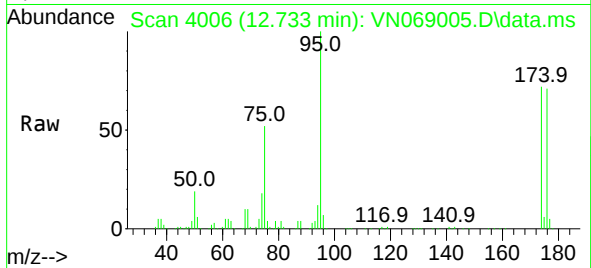




#76
1,2,3-Trichloropropane
Concen: 30.242 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

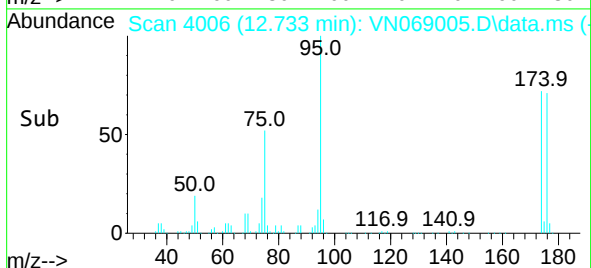
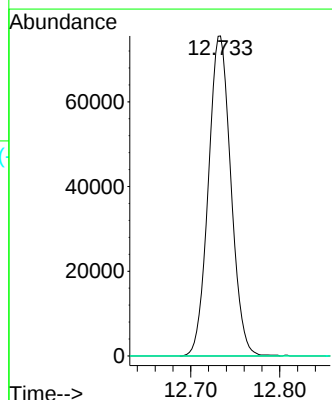
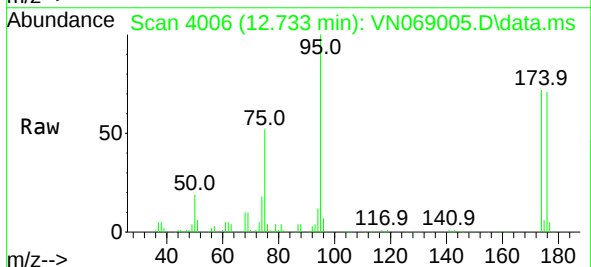
Instrument :
MSVOA_N
ClientSampled :

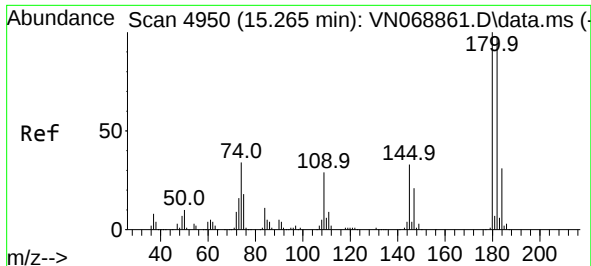
Tgt Ion: 75 Resp: 132834
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.353 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

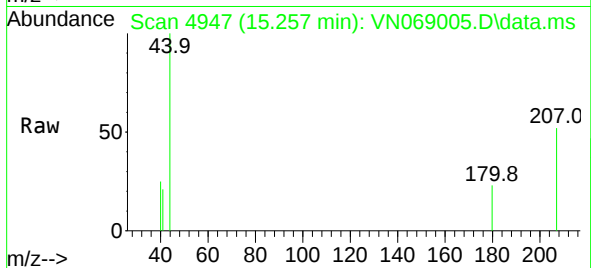
Tgt Ion: 75 Resp: 132834
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



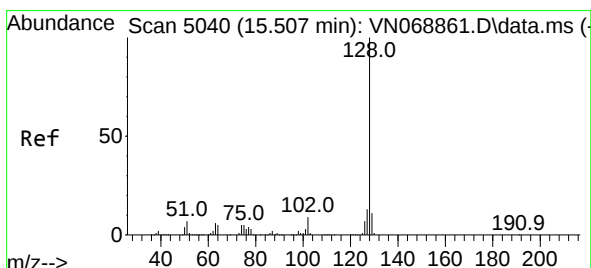
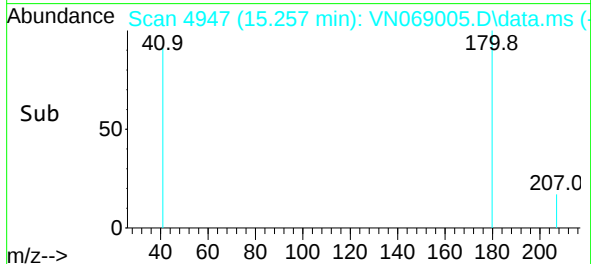
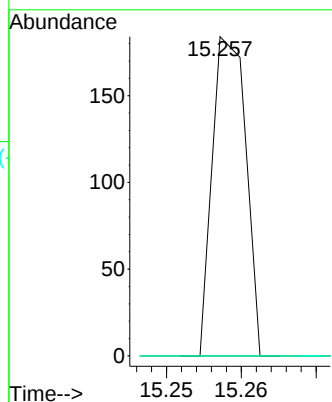


#93
1,2,4-Trichlorobenzene
Concen: 2.617 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54

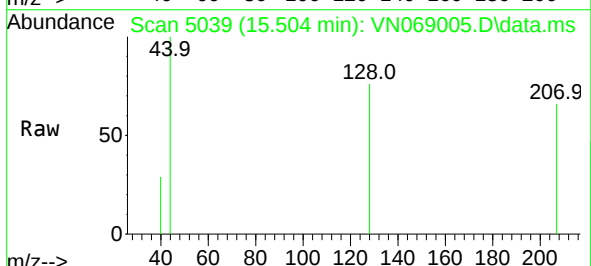
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:180 Resp: 57
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.7#
145 0.0 16.4 49.2#



#95
Naphthalene
Concen: 3.885 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069005.D
Acq: 19 Oct 2021 2:54



Tgt Ion:128 Resp: 757
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

