

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100521\
 Data File : VN068801.D
 Acq On : 5 Oct 2021 13:46
 Operator : JC/MD
 Sample : VN1005WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBL01

Quant Time: Oct 05 15:52:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 08:56:32 2021
 Response via : Initial Calibration

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

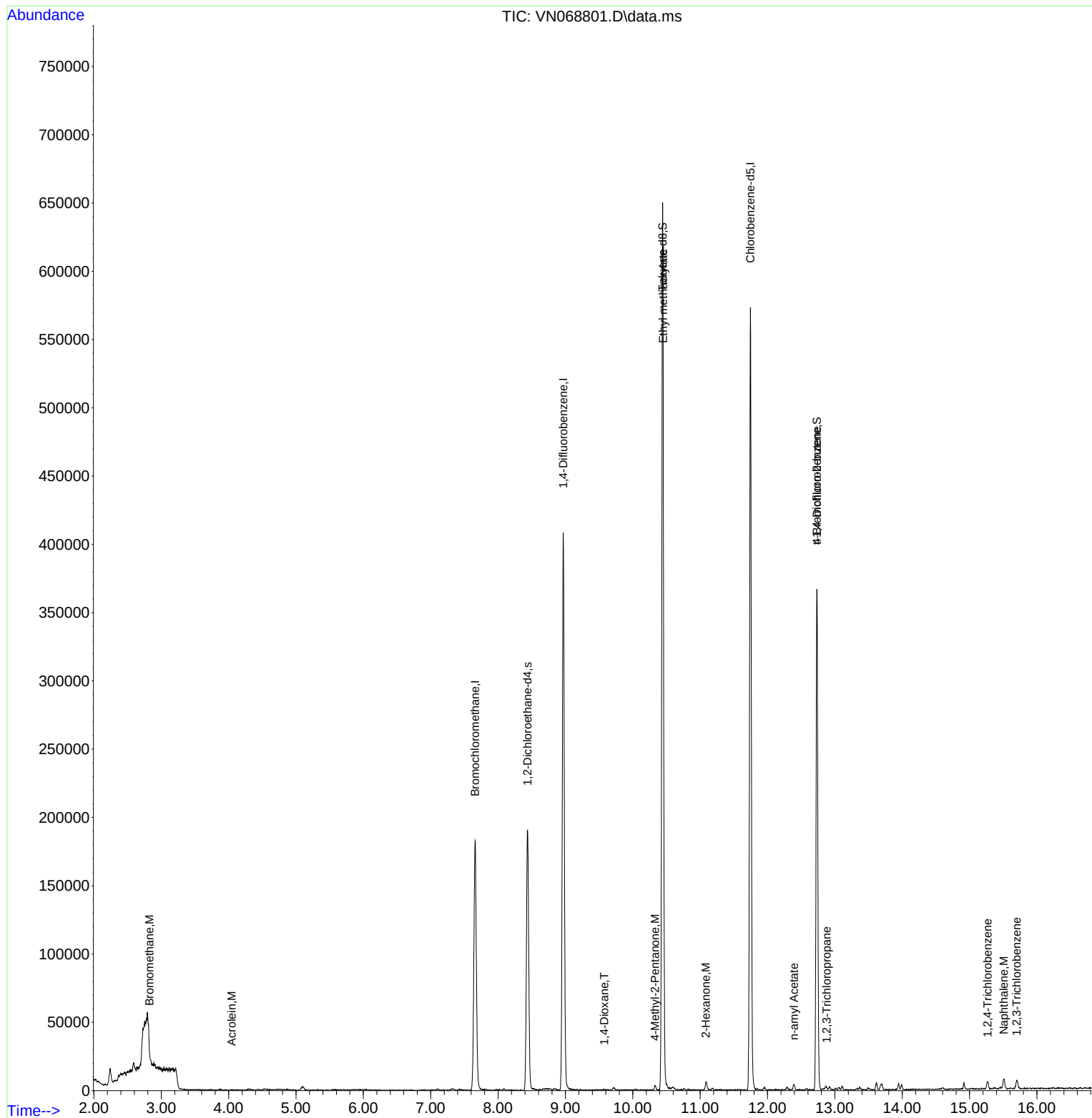
Internal Standards						
1) Bromochloromethane	7.659	128	64185	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	344433	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	321063	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	160626	32.467	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.233%
60) 4-Bromofluorobenzene	12.733	95	117246	23.376	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.933%
63) Toluene-d8	10.443	98	444856	30.654	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.167%
Target Compounds						
					Qvalue	
5) Bromomethane	2.824	94	2088	0.303	ug/l	98
13) Acrolein	4.044	56	54	0.235	ug/l #	1
45) 1,4-Dioxane	9.577	88	54	0.749	ug/l #	1
47) n-amyl Acetate	12.393	43	2804	0.372	ug/l #	79
51) Ethyl methacrylate	10.451	69	1716	0.259	ug/l	73
58) 4-Methyl-2-Pentanone	10.328	43	1244	0.230	ug/l #	76
59) 2-Hexanone	11.084	43	2346	0.594	ug/l #	58
72) 1,2,3-Trichloropropane	12.878	75	999	0.201	ug/l	1
77) t-1,4-Dichloro-2-butene	12.733	75	68950	35.517	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.268	180	2327	0.560	ug/l	96
91) Naphthalene	15.507	128	3966	0.338	ug/l	96
92) 1,2,3-Trichlorobenzene	15.700	180	1689	0.424	ug/l	56

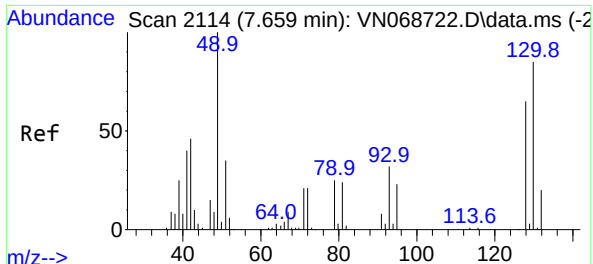
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VN1005WBL01

Quant Time: Oct 05 15:52:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 29 08:56:32 2021
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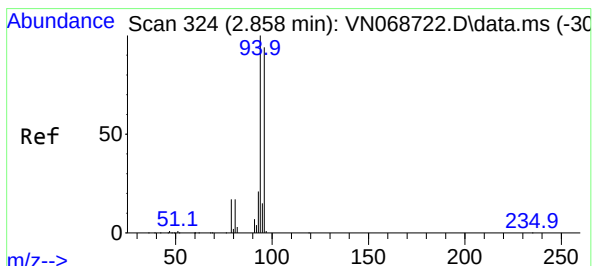
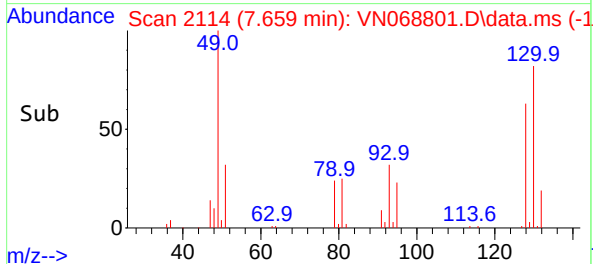
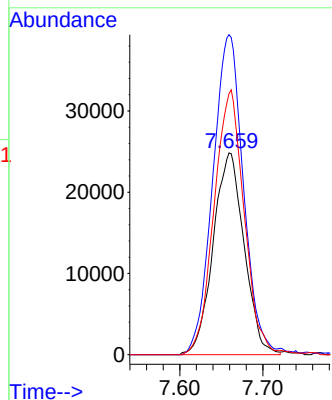
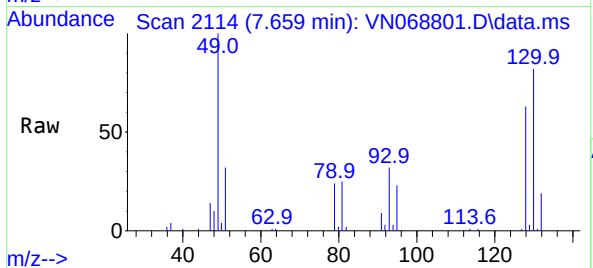




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

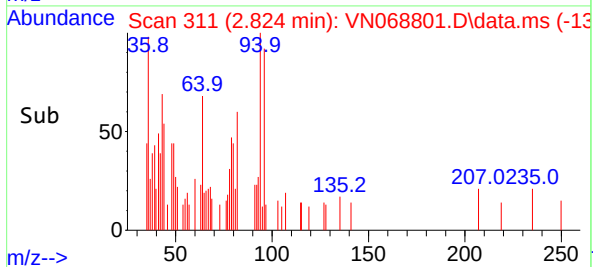
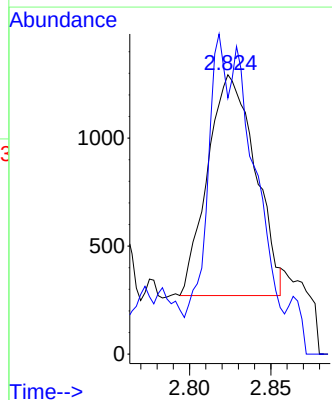
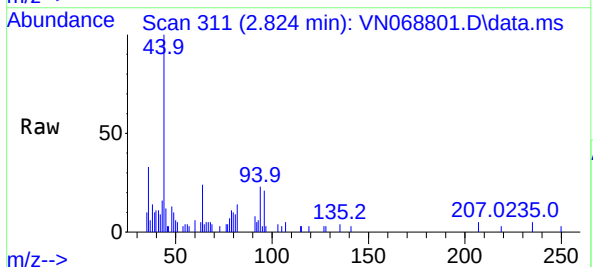
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL01

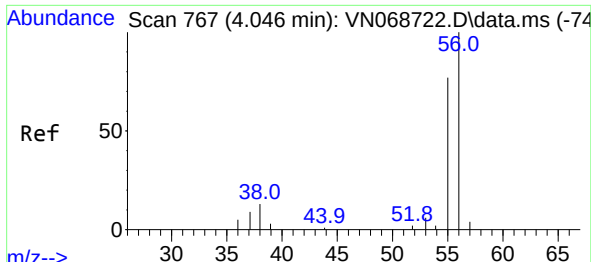
Tgt Ion:128 Resp: 64185
Ion Ratio Lower Upper
128 100
49 156.4 0.0 392.3
130 127.0 0.0 320.2



#5
Bromomethane
Concen: 0.303 ug/l
RT: 2.824 min Scan# 311
Delta R.T. -0.034 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

Tgt Ion: 94 Resp: 2088
Ion Ratio Lower Upper
94 100
96 95.9 75.2 112.8

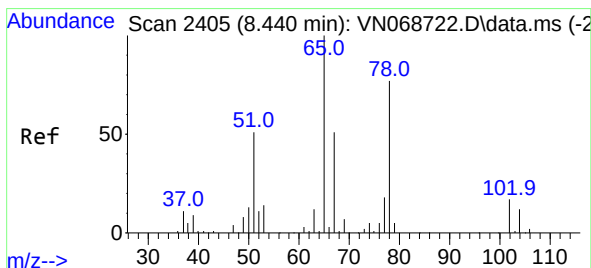
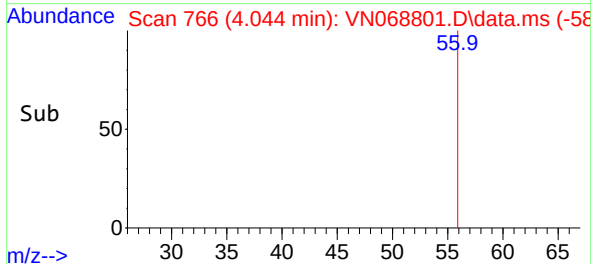
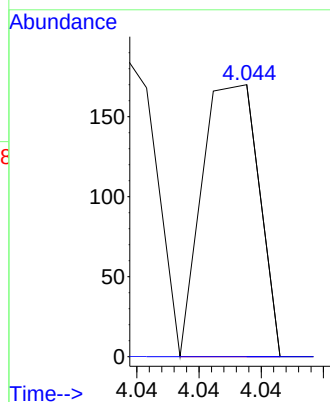
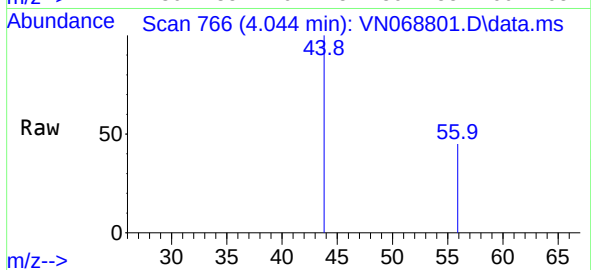




#13
Acrolein
Concen: 0.235 ug/l
RT: 4.044 min Scan# 766
Delta R.T. -0.002 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

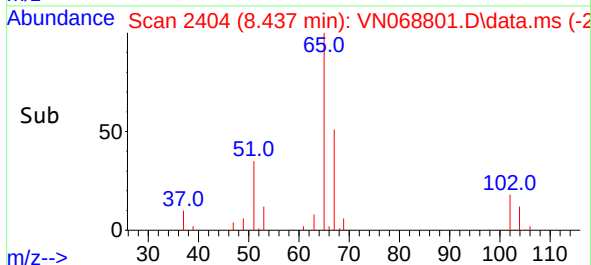
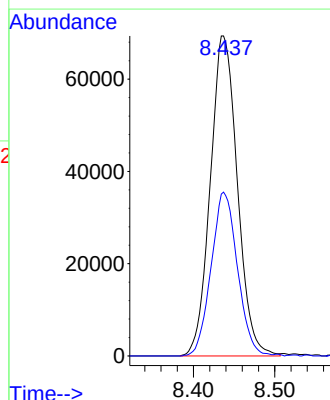
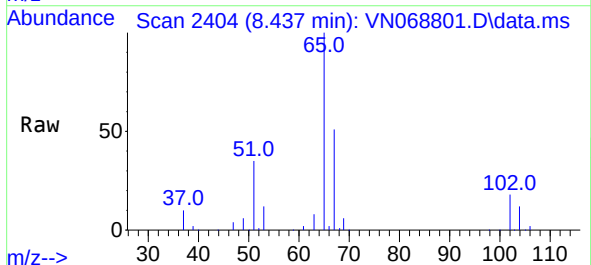
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL01

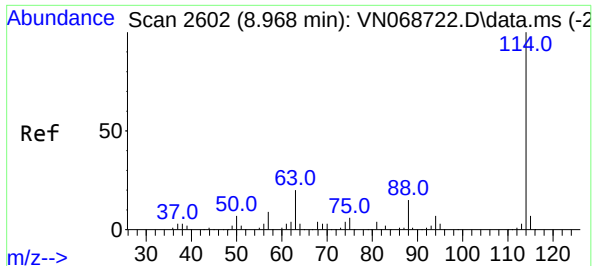
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 209.3 57.6 86.4#



#27
1,2-Dichloroethane-d4
Concen: 32.467 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

Tgt Ion: 65 Resp: 160626
Ion Ratio Lower Upper
65 100
67 49.7 40.2 60.2

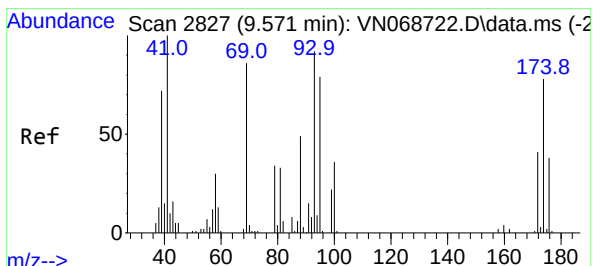
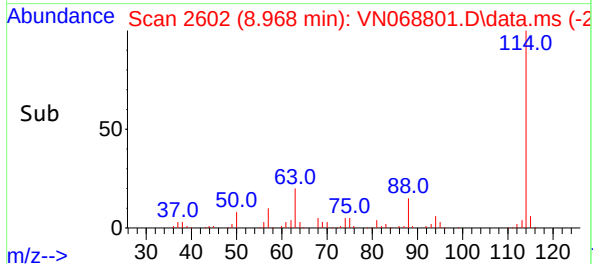
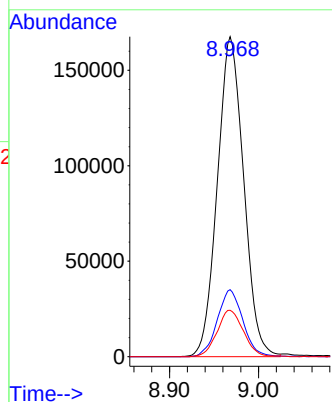
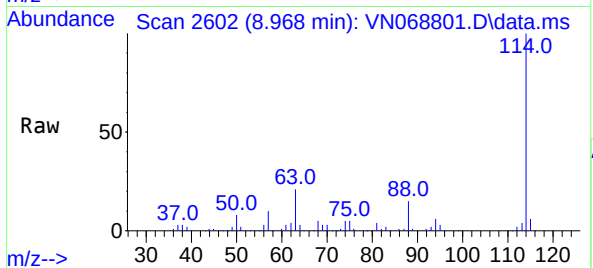




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

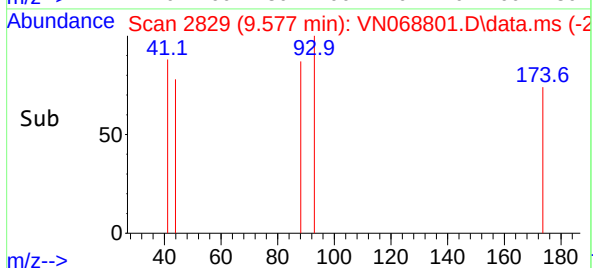
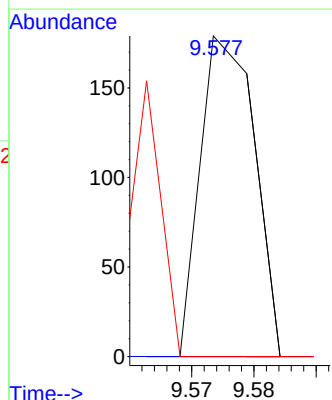
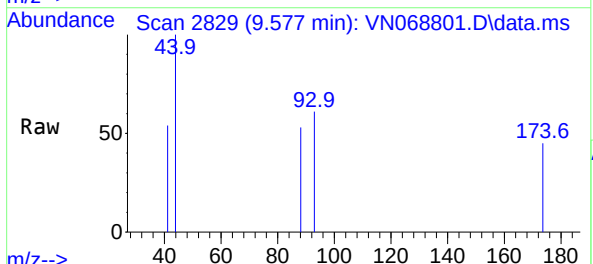
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL01

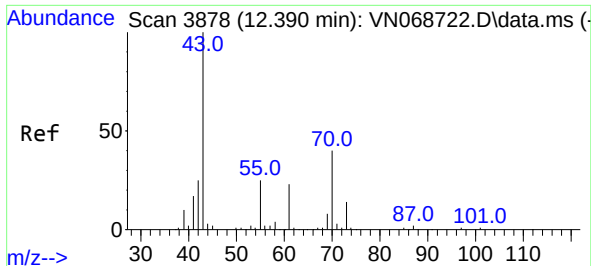
Tgt Ion:114 Resp: 344433
Ion Ratio Lower Upper
114 100
63 20.4 15.8 23.6
88 14.5 11.6 17.4



#45
1,4-Dioxane
Concen: 0.749 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.006 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 546.3 25.0 37.6#
58 0.0 49.4 74.2#

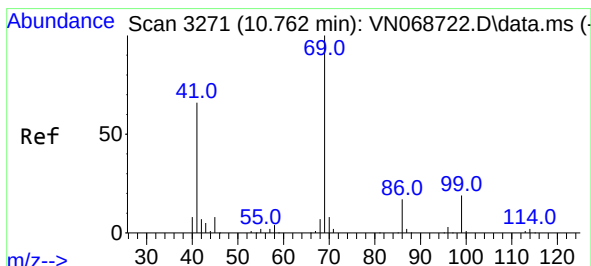
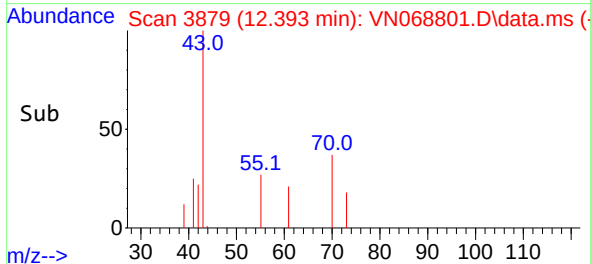
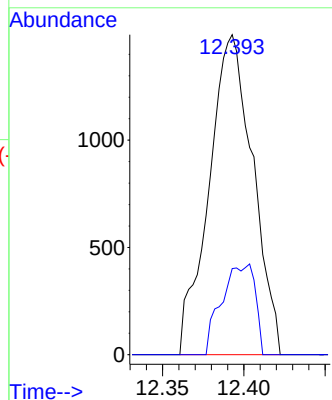
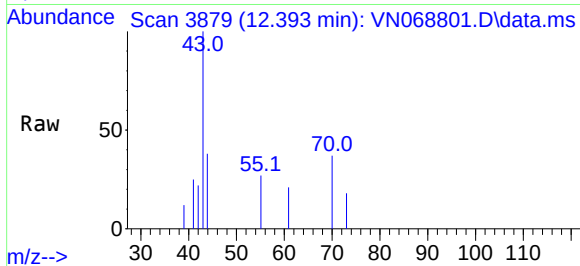




#47
n-amyl acetate
Concen: 0.372 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

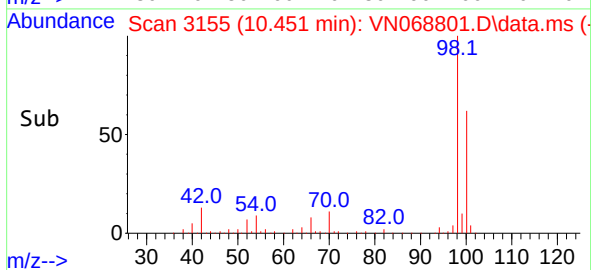
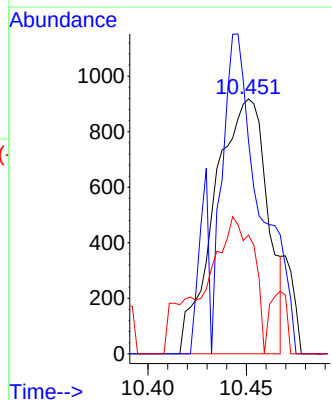
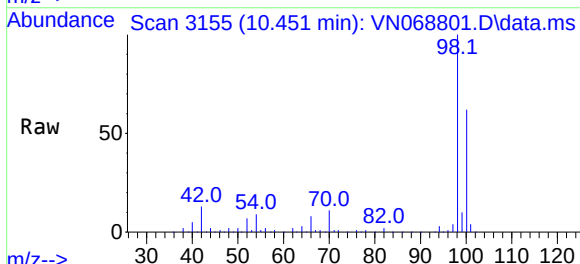
Instrument :
MSVOA_N
ClientSampled :
VN1005WBL01

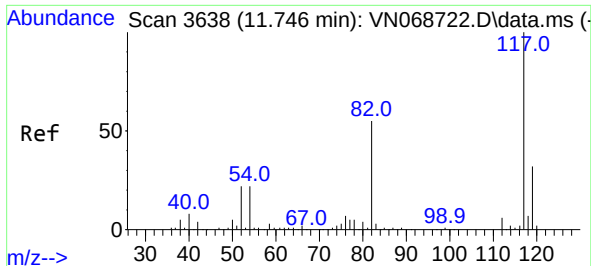
Tgt Ion: 43 Resp: 2804
Ion Ratio Lower Upper
43 100
55 13.6 19.0 28.6#



#51
Ethyl methacrylate
Concen: 0.259 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.311 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

Tgt Ion: 69 Resp: 1716
Ion Ratio Lower Upper
69 100
41 83.4 33.0 98.9
39 27.3 25.4 76.4

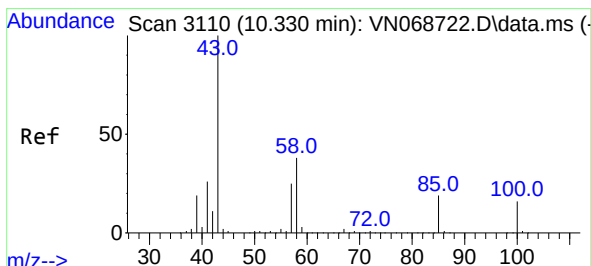
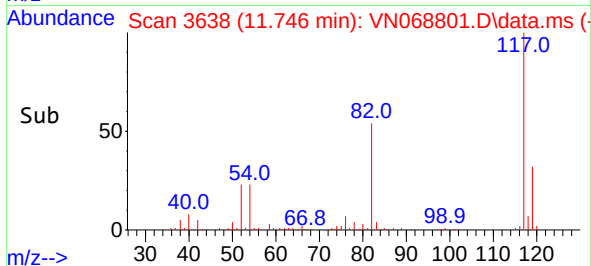
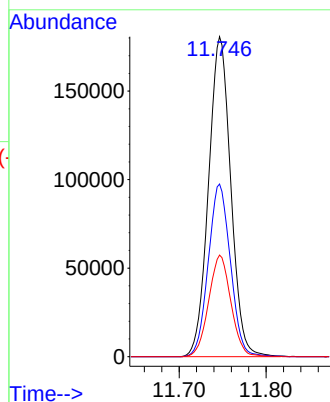
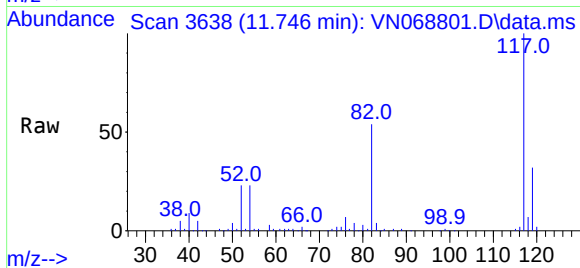




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

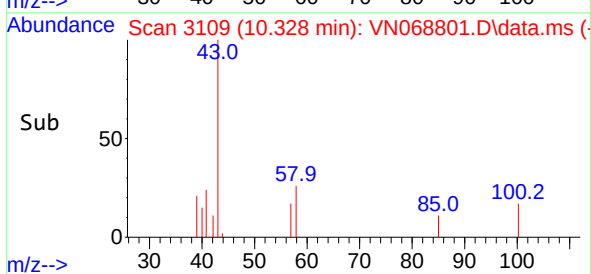
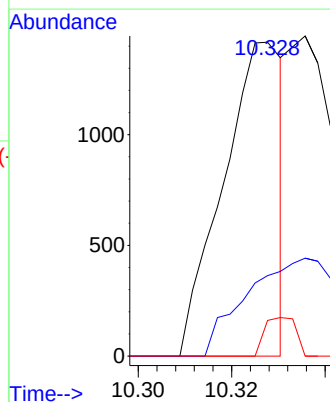
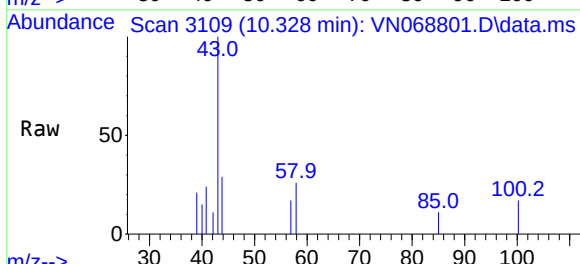
Instrument :
MSVOA_N
ClientSampled :
VN1005WBL01

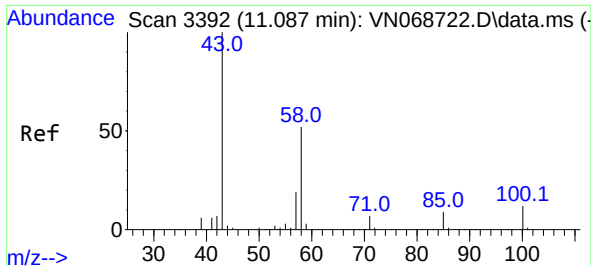
Tgt Ion:117 Resp: 321063
Ion Ratio Lower Upper
117 100
82 53.7 43.6 65.4
119 31.8 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.230 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.002 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

Tgt Ion: 43 Resp: 1244
Ion Ratio Lower Upper
43 100
58 51.1 30.0 45.0#
85 6.5 15.0 22.6#

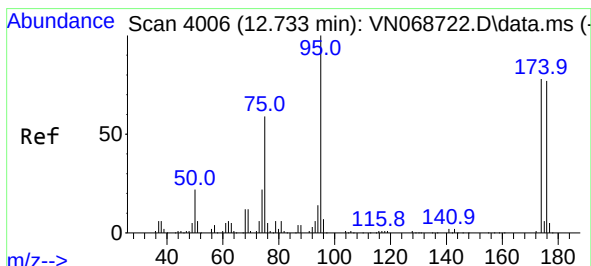
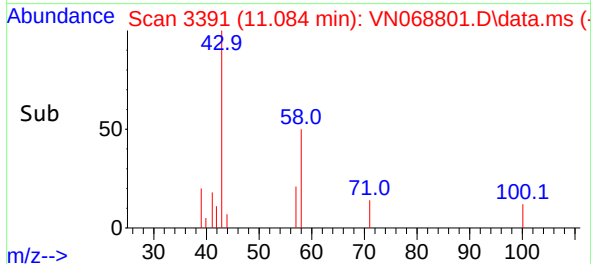
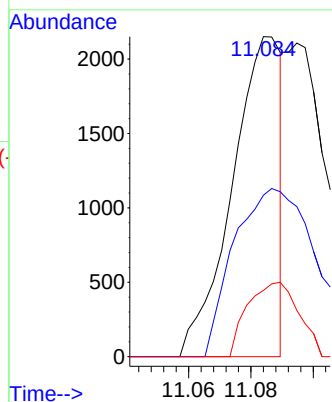
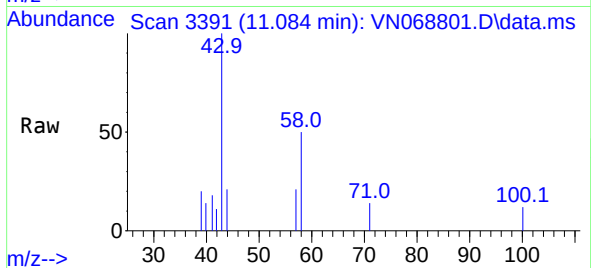




#59
2-Hexanone
Concen: 0.594 ug/l
RT: 11.084 min Scan# 3391
Delta R.T. -0.003 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

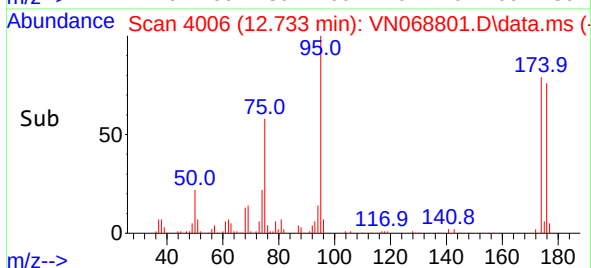
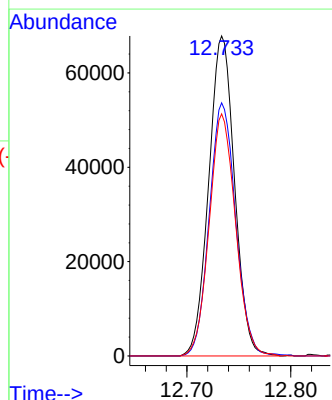
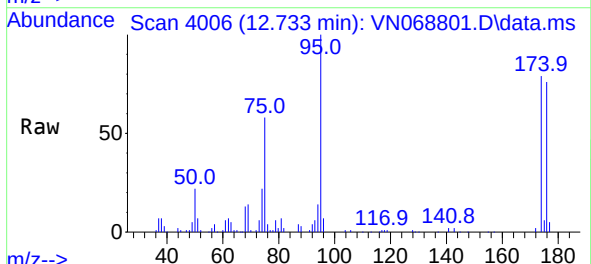
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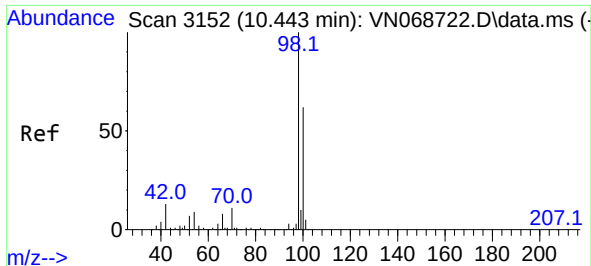
Tgt Ion: 43 Resp: 2346
Ion Ratio Lower Upper
43 100
58 89.5 42.2 63.2#
57 24.3 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 23.376 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

Tgt Ion: 95 Resp: 117246
Ion Ratio Lower Upper
95 100
174 80.7 62.9 94.3
176 77.1 61.0 91.4

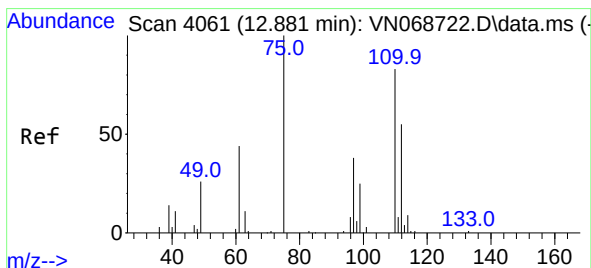
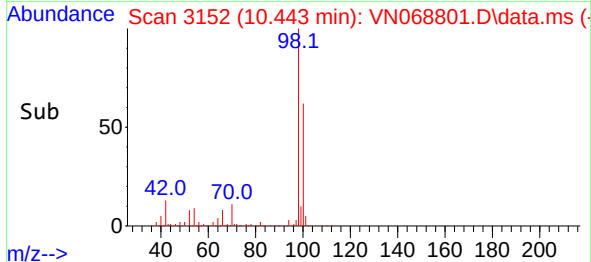
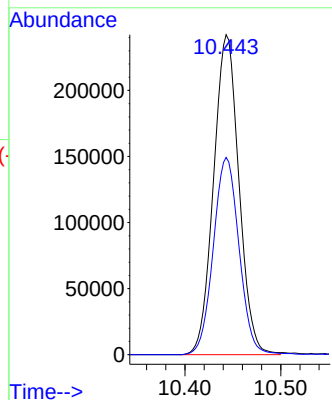
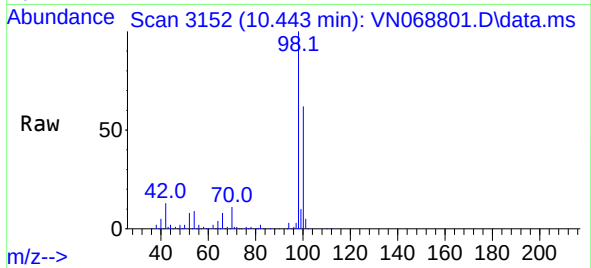




#63
Toluene-d8
Concen: 30.654 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

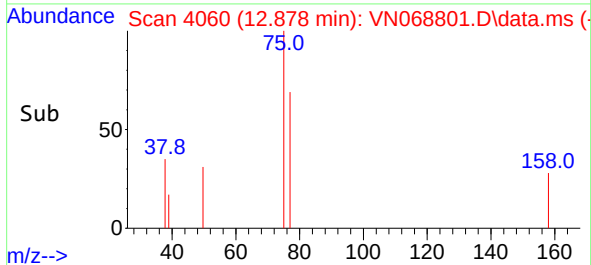
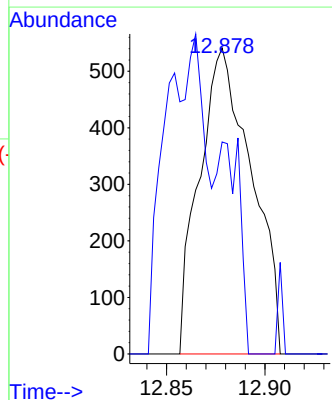
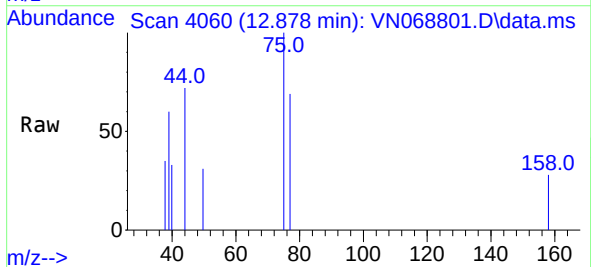
Instrument :
MSVOA_N
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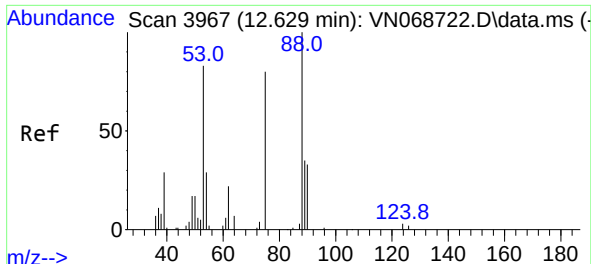
Tgt Ion: 98 Resp: 444856
Ion Ratio Lower Upper
98 100
100 62.4 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 0.201 ug/l
RT: 12.878 min Scan# 4060
Delta R.T. -0.003 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

Tgt Ion: 75 Resp: 999
Ion Ratio Lower Upper
75 100
77 5.8 0.0 378.0

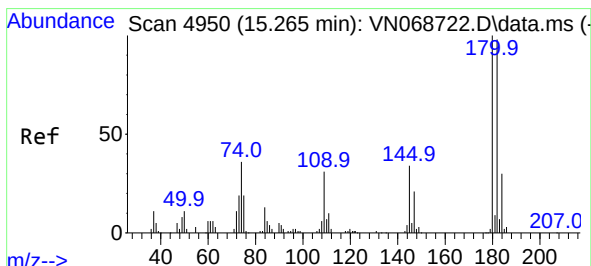
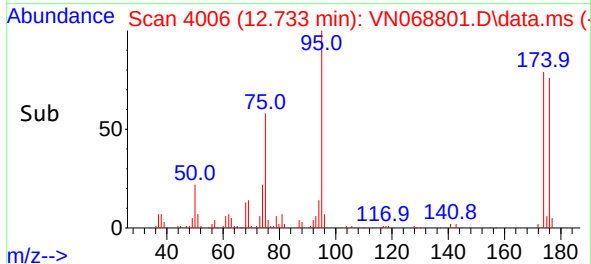
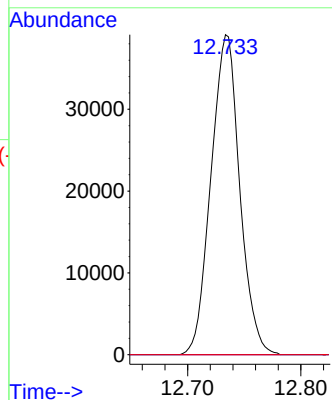
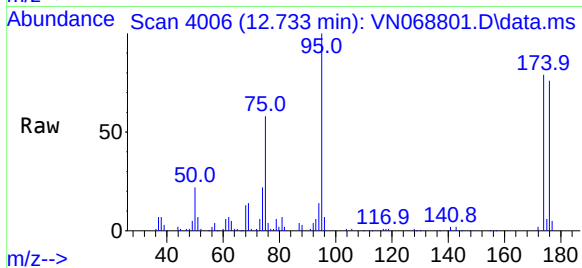




#77
t-1,4-Dichloro-2-butene
Concen: 35.517 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

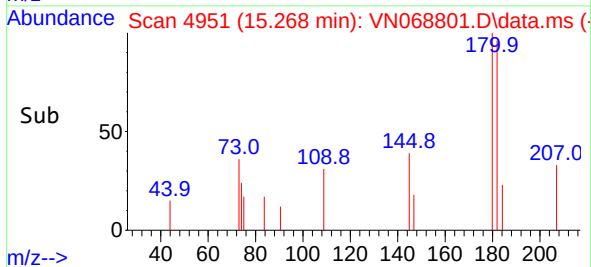
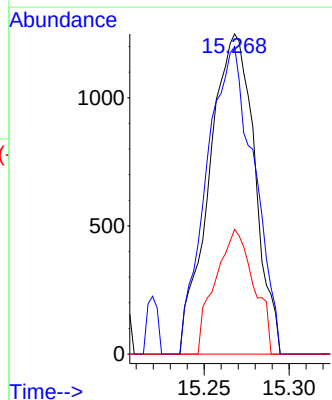
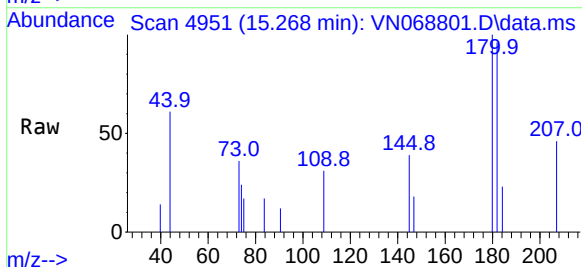
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MSVOA_N
ClientSampled :
VN1005WBL01

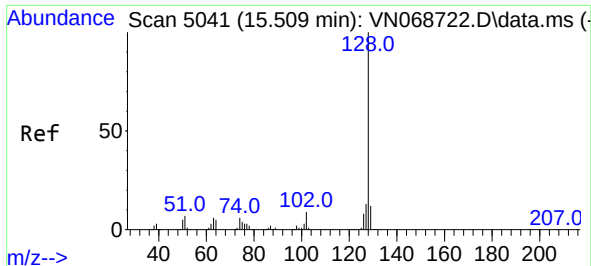
Tgt Ion: 75 Resp: 68950
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#89
1,2,4-Trichlorobenzene
Concen: 0.560 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

Tgt Ion:180 Resp: 2327
Ion Ratio Lower Upper
180 100
182 100.3 77.7 116.5
145 30.0 26.6 39.8

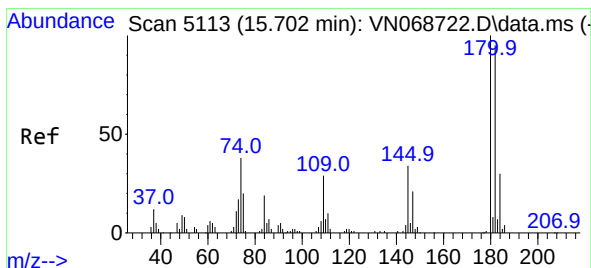
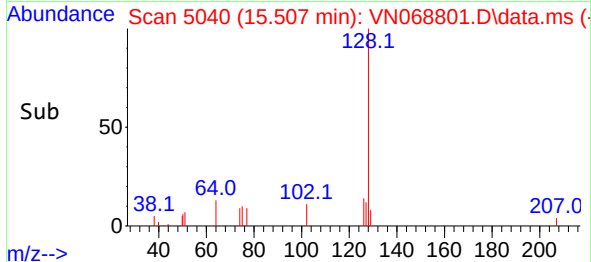
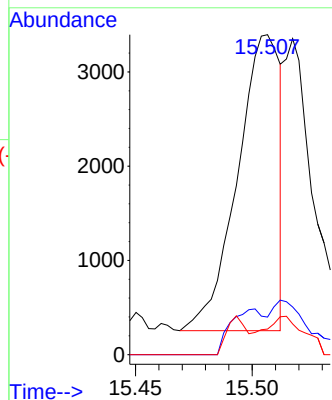
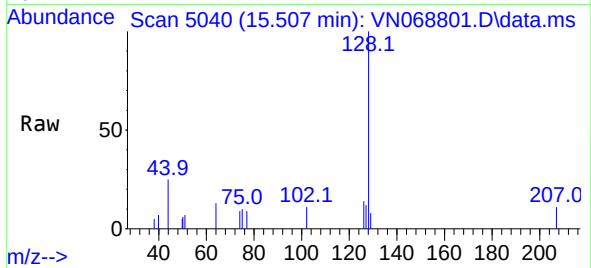




#91
Naphthalene
Concen: 0.338 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

Instrument :
MSVOA_N
ClientSampled :
VN1005WBL01

Tgt Ion:128 Resp: 3966
Ion Ratio Lower Upper
128 100
127 15.0 10.7 16.1
129 12.6 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 0.424 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN068801.D
Acq: 5 Oct 2021 13:46

Tgt Ion:180 Resp: 1689
Ion Ratio Lower Upper
180 100
182 145.7 0.0 190.0
145 46.9 0.0 67.8

